Exhibit 21

No. 1

JUHL-008
Witnesses: Bleau J. LaFave; Luke Hansen
Re: Hansen Exhibit (LPH-1); LaFave Exhibit (BJL-1), LaFave Exhibit (BJL-2)

Since NorthWestern has updated its avoided cost estimates relative to the April, 2016 estimate provided to Juhl, please provide the following based on your filed testimony:

a) Please provide Excel-readable files of all spreadsheets, exhibits and supporting files underlying NorthWestern's avoided cost calculation for Juhl Energy.
b) Please provide in electronic format all supporting work papers and output of the PowerSimm modeling runs which NWE used to calculate avoided energy and capacity costs attributable to Juhl Wind's expected energy production. If any work papers are Excel-readable, please provide those work papers with the formulae intact.
c) To the extent not provided in part (b), please provide the PowerSimm Supply Cost Reports for the base case (current) portfolio and the alternative (current+ Juhl) portfolio in Excel-readable files.

RESPONSE:
a) Attached in folder Juhl-008.
b) Attached in folder Juhl-008.
c) Attached in folder Juhl-008.

	2017	2018	2019	2020	2021	2022	2023	2024	2025
Coyote ($/ton)	$ 26.20	25.19	29.36	26.29	28.72				
Big Stone ($/ton)	$ 39.14	$ 40.31	$ 41.52	$ 42.77	$ 44.05	$ 45.37	$ 46.74	$ 48.14	
Neal ($/ton)	$ 34.70	$ 39.05	$ 39.83	$ 41.34	$ 43.10	$ 44.91	$ 46.74	$ 48.47	$ 50.45

			8750
	7000	8400	8600
	Coyote	Big Stone	Neal
2017	$ 26.20	$ 39.14	$ 34.70
2018	$ 25.19	$ 40.31	$ 39.05
2019	$ 29.36	$ 41.52	$ 39.83
2020	$ 26.29	$ 42.77	$ 41.34
2021	$ 28.72	$ 44.05	$ 43.10
2022	$ 29.29	$ 45.37	$ 44.91
2023	$ 29.88	$ 46.74	$ 46.74
2024	$ 30.48	$ 48.14	$ 48.47
2025	$ 31.09	$ 49.10	$ 50.45
2026	$ 31.71	$ 50.08	$ 51.46
2027	$ 32.34	$ 51.08	$ 52.49
2028	$ 32.99	$ 52.11	$ 53.54
2029	$ 33.65	$ 53.15	$ 54.61
2030	$ 34.32	$ 54.21	$ 55.70
2031	$ 35.01	$ 55.29	$ 56.81
2032	$ 35.71	$ 56.40	$ 57.95
2033	$ 36.42	$ 57.53	$ 59.11
2034	$ 37.15	$ 58.68	$ 60.29
2035	$ 37.90	$ 59.85	$ 61.50

	Coyote	Big Stone	Neal
2017	$ 1.87	$ 2.33	$ 1.98
2018	$ 1.80	$ 2.40	$ 2.23
2019	$ 2.10	$ 2.47	$ 2.28
2020	$ 1.88	$ 2.55	$ 2.40
2021	$ 2.05	$ 2.62	$ 2.51
2022	$ 2.09	$ 2.70	$ 2.61
2023	$ 2.13	$ 2.78	$ 2.72
2024	$ 2.18	$ 2.87	$ 2.82
2025	$ 2.22	$ 2.92	$ 2.93
2026	$ 2.26	$ 2.98	$ 2.99
2027	$ 2.31	$ 3.04	$ 3.05
2028	$ 2.36	$ 3.10	$ 3.11
2029	$ 2.40	$ 3.16	$ 3.17
2030	$ 2.45	$ 3.23	$ 3.24
2031	$ 2.50	$ 3.29	$ 3.30
2032	$ 2.55	$ 3.36	$ 3.37
2033	$ 2.60	$ 3.42	$ 3.44
2034	$ 2.65	$ 3.49	$ 3.51
2035	$ 2.71	$ 3.56	$ 3.58

2036	$ 38.65	$ 61.05	$ 62.73
2037	$ 39.43	$ 62.27	$ 63.98
2038	$ 40.21	$ 63.52	$ 65.26
2039	$ 41.02	$ 64.79	$ 66.57
2040	$ 41.84	$ 66.08	$ 67.90

2036	$ 2.76	$ 3.63	$ 3.65
2037	$ 2.82	$ 3.71	$ 3.72
2038	$ 2.87	$ 3.78	$ 3.79
2039	$ 2.93	$ 3.86	$ 3.87
2040	$ 2.99	$ 3.93	$ 3.95

	Coyote	Big Stone	Neal
2017	$ 0.89	$ 0.9784	$ 1.4367	$ 1.0898
2018	$ 0.97	$ 0.8293	$ 1.4297	$ 1.2615
2019	$ 0.99	$ 1.1115	$ 1.4860	$ 1.2903
2020	$ 1.01	$ 0.8687	$ 1.5367	$ 1.3944
2021	$ 1.03	$ 1.0178	$ 1.5885	$ 1.4722
2022	$ 1.06	$ 1.0365	$ 1.6449	$ 1.5551
2023	$ 1.09	$ 1.0491	$ 1.6966	$ 1.6322
2024	$ 1.11	$ 1.0679	$ 1.7563	$ 1.7090
2025	$ 1.15	$ 1.0741	$ 1.7762	$ 1.7867
2026	$ 1.18	$ 1.0873	$ 1.8035	$ 1.8142
2027	$ 1.22	$ 1.0946	$ 1.8251	$ 1.8360
2028	$ 1.25	$ 1.1043	$ 1.8494	$ 1.8605
2029	$ 1.30	$ 1.1074	$ 1.8673	$ 1.8787
2030	$ 1.35	$ 1.1019	$ 1.8770	$ 1.8887
2031	$ 1.40	$ 1.1022	$ 1.8929	$ 1.9047
2032	$ 1.44	$ 1.1066	$ 1.9131	$ 1.9252
2033	$ 1.50	$ 1.0991	$ 1.9217	$ 1.9341
2034	$ 1.55	$ 1.0995	$ 1.9386	$ 1.9512
2035	$ 1.59	$ 1.1160	$ 1.9718	$ 1.9847
2036	$ 1.64	$ 1.1235	$ 1.9964	$ 2.0095
2037	$ 1.69	$ 1.1306	$ 2.0210	$ 2.0343
2038	$ 1.75	$ 1.1262	$ 2.0344	$ 2.0480
2039	$ 1.80	$ 1.1348	$ 2.0611	$ 2.0750
2040	$ 1.84	$ 1.1506	$ 2.0956	$ 2.1097

2%	Inflation rate

Modified on 10/04/2016 at 09:15:46 PM					
TRADE DATE	**HUB**	**PRODUCT**	**STRIP**	**CONTRACT**	**CONTRACT TYPE**
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10/4/16	AD Hub DA Off-Peak	Off-Peak Futures	May-24	ADD	F
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10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D

10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	ADO	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D

10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Oct-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D

10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	NYISO A	Peak Futures	Nov-16	ADP	D
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Oct-16	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Nov-16	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Dec-16	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Jan-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Feb-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Mar-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Apr-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	May-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Jun-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Jul-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Aug-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Sep-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Oct-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Nov-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Dec-17	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Jan-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Feb-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Mar-18	AF1	F

10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Apr-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	May-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Jun-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Jul-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Aug-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Sep-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Oct-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Nov-18	AF1	F
10/4/16	Richards Bay 1x Cal (122 days)	Richards Bay Coal Futures	Dec-18	AF1	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Oct-16	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Nov-16	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Dec-16	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Jan-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Feb-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Mar-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Apr-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	May-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Jun-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Jul-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Aug-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Sep-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Oct-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Nov-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Dec-17	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Jan-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Feb-18	AF2	F

10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Mar-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Apr-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	May-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Jun-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Jul-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Aug-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Sep-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Oct-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Nov-18	AF2	F
10/4/16	Richards Bay 1x Cal (214 days)	Richards Bay Coal Futures	Dec-18	AF2	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Oct-16	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Nov-16	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Dec-16	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jan-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Feb-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Mar-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Apr-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	May-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jun-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jul-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Aug-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Sep-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Oct-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Nov-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Dec-17	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jan-18	AF3	F

10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Feb-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Mar-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Apr-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	May-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jun-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jul-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Aug-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Sep-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Oct-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Nov-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Dec-18	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jan-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Feb-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Mar-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Apr-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	May-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jun-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Jul-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Aug-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Sep-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Oct-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Nov-19	AF3	F
10/4/16	Richards Bay 1x Cal (305 days)	Richards Bay Coal Futures	Dec-19	AF3	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Oct-16	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Nov-16	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Dec-16	AFC	F

10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jan-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Feb-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Mar-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Apr-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	May-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jun-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jul-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Aug-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Sep-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Oct-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Nov-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Dec-17	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jan-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Feb-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Mar-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Apr-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	May-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jun-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jul-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Aug-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Sep-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Oct-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Nov-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Dec-18	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jan-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Feb-19	AFC	F

10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Mar-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Apr-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	May-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jun-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jul-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Aug-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Sep-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Oct-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Nov-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Dec-19	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jan-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Feb-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Mar-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Apr-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	May-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jun-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Jul-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Aug-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Sep-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Oct-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Nov-20	AFC	F
10/4/16	Richards Bay 1x Cal	Richards Bay Coal Futures	Dec-20	AFC	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Oct-16	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Nov-16	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Dec-16	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Jan-17	AFQ	F

10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Feb-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Mar-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Apr-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	May-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Jun-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Jul-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Aug-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Sep-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Oct-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Nov-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Dec-17	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Jan-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Feb-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Mar-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Apr-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	May-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Jun-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Jul-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Aug-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Sep-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Oct-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Nov-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Dec-18	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Jan-19	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Feb-19	AFQ	F
10/4/16	Richards Bay 1x Qtr	Richards Bay Coal Futures	Mar-19	AFQ	F

10/4/16	Richards Bay	Richards Bay Coal Futures	Oct-16	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Nov-16	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Dec-16	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jan-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Feb-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Mar-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Apr-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	May-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jun-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jul-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Aug-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Sep-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Oct-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Nov-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Dec-17	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jan-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Feb-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Mar-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Apr-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	May-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jun-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jul-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Aug-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Sep-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Oct-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Nov-18	AFR	F

10/4/16	Richards Bay	Richards Bay Coal Futures	Dec-18	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jan-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Feb-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Mar-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Apr-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	May-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jun-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jul-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Aug-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Sep-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Oct-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Nov-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Dec-19	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jan-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Feb-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Mar-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Apr-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	May-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jun-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jul-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Aug-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Sep-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Oct-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Nov-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Dec-20	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jan-21	AFR	F

10/4/16	Richards Bay	Richards Bay Coal Futures	Feb-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Mar-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Apr-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	May-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jun-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jul-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Aug-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Sep-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Oct-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Nov-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Dec-21	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jan-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Feb-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Mar-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Apr-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	May-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jun-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Jul-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Aug-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Sep-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Oct-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Nov-22	AFR	F
10/4/16	Richards Bay	Richards Bay Coal Futures	Dec-22	AFR	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Sep-16	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	ALO	F

10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Dec-16	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Jan-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Feb-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Mar-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Apr-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	May-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Jun-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Jul-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Aug-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Sep-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Dec-17	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Jan-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Feb-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Mar-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Apr-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	May-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Jun-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Jul-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Aug-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Sep-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-18	ALO	F
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Dec-18	ALO	F
10/4/16	Arkansas Hub DA	Peak Futures	Sep-16	ALP	F

10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Dec-16	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Jan-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Feb-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Mar-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Apr-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	May-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Jun-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Jul-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Aug-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Sep-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Oct-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Nov-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Dec-17	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Jan-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Feb-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Mar-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Apr-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	May-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Jun-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Jul-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Aug-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Sep-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Oct-18	ALP	F
10/4/16	Arkansas Hub DA	Peak Futures	Nov-18	ALP	F

10/4/16	Arkansas Hub DA	Peak Futures	Dec-18	ALP	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-16	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-16	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-16	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-16	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-17	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-18	AOD	F

10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-18	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-19	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-20	AOD	F

10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-20	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-21	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-22	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-23	AOD	F

10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-23	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jan-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Feb-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Mar-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Apr-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	May-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jun-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Jul-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Aug-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Sep-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Oct-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Nov-24	AOD	F
10/4/16	AD Hub RT Off-Peak	Off-Peak Futures	Dec-24	AOD	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Sep-16	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	AOP	F

10/4/16	NYISO A Off-Peak	Off-Peak Futures	Dec-16	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jan-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Feb-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Mar-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Apr-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	May-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jun-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jul-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Aug-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Sep-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Dec-17	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jan-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Feb-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Mar-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Apr-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	May-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jun-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jul-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Aug-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Sep-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Dec-18	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jan-19	AOP	F

10/4/16	NYISO A Off-Peak	Off-Peak Futures	Feb-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Mar-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Apr-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	May-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jun-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jul-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Aug-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Sep-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Dec-19	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jan-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Feb-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Mar-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Apr-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	May-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jun-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jul-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Aug-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Sep-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Dec-20	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jan-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Feb-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Mar-21	AOP	F

10/4/16	NYISO A Off-Peak	Off-Peak Futures	Apr-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	May-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jun-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Jul-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Aug-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Sep-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Dec-21	AOP	F
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D

10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Oct-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	NYISO A Off-Peak	Off-Peak Futures	Nov-16	APO	D
10/4/16	AD Hub RT Cal 1x	Peak Futures	Sep-16	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Oct-16	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Nov-16	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Dec-16	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Jan-17	ARY	F

10/4/16	AD Hub RT Cal 1x	Peak Futures	Feb-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Mar-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Apr-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	May-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Jun-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Jul-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Aug-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Sep-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Oct-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Nov-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Dec-17	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Jan-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Feb-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Mar-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Apr-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	May-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Jun-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Jul-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Aug-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Sep-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Oct-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Nov-18	ARY	F
10/4/16	AD Hub RT Cal 1x	Peak Futures	Dec-18	ARY	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Sep-16	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Oct-16	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Nov-16	ARZ	F

10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Dec-16	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Jan-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Feb-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Mar-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Apr-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	May-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Jun-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Jul-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Aug-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Sep-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Oct-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Nov-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Dec-17	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Jan-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Feb-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Mar-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Apr-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	May-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Jun-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Jul-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Aug-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Sep-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Oct-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Nov-18	ARZ	F
10/4/16	AD Hub RT Off-Peak Cal 1x	Off-Peak Futures	Dec-18	ARZ	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Oct-16	AT1	F

10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Nov-16	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Dec-16	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Jan-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Feb-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Mar-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Apr-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	May-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Jun-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Jul-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Aug-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Sep-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Oct-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Nov-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Dec-17	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Jan-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Feb-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Mar-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Apr-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	May-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Jun-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Jul-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Aug-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Sep-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Oct-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Nov-18	AT1	F
10/4/16	ARA 1x Cal (122 days)	Rotterdam Coal Futures	Dec-18	AT1	F

10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Oct-16	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Nov-16	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Dec-16	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Jan-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Feb-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Mar-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Apr-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	May-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Jun-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Jul-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Aug-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Sep-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Oct-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Nov-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Dec-17	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Jan-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Feb-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Mar-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Apr-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	May-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Jun-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Jul-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Aug-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Sep-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Oct-18	AT2	F
10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Nov-18	AT2	F

10/4/16	ARA 1x Cal (214 days)	Rotterdam Coal Futures	Dec-18	AT2	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Oct-16	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Nov-16	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Dec-16	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jan-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Feb-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Mar-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Apr-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	May-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jun-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jul-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Aug-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Sep-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Oct-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Nov-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Dec-17	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jan-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Feb-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Mar-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Apr-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	May-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jun-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jul-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Aug-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Sep-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Oct-18	AT3	F

10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Nov-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Dec-18	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jan-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Feb-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Mar-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Apr-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	May-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jun-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Jul-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Aug-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Sep-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Oct-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Nov-19	AT3	F
10/4/16	ARA 1x Cal (305 days)	Rotterdam Coal Futures	Dec-19	AT3	F
10/4/16	ARA APO	Rotterdam Coal Futures	Oct-16	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Nov-16	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Dec-16	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jan-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Feb-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Mar-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Apr-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	May-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jun-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jul-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Aug-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Sep-17	ATA	F

10/4/16	ARA APO	Rotterdam Coal Futures	Oct-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Nov-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Dec-17	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jan-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Feb-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Mar-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Apr-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	May-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jun-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jul-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Aug-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Sep-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Oct-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Nov-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Dec-18	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jan-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Feb-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Mar-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Apr-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	May-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jun-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Jul-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Aug-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Sep-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Oct-19	ATA	F
10/4/16	ARA APO	Rotterdam Coal Futures	Nov-19	ATA	F

10/4/16	ARA APO	Rotterdam Coal Futures	Dec-19	ATA	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Oct-16	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Nov-16	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Dec-16	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jan-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Feb-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Mar-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Apr-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	May-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jun-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jul-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Aug-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Sep-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Oct-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Nov-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Dec-17	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jan-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Feb-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Mar-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Apr-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	May-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jun-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jul-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Aug-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Sep-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Oct-18	ATC	F

10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Nov-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Dec-18	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jan-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Feb-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Mar-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Apr-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	May-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jun-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jul-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Aug-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Sep-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Oct-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Nov-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Dec-19	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jan-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Feb-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Mar-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Apr-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	May-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jun-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Jul-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Aug-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Sep-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Oct-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Nov-20	ATC	F
10/4/16	ARA 1x Cal	Rotterdam Coal Futures	Dec-20	ATC	F

10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Oct-16	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Nov-16	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Dec-16	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Jan-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Feb-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Mar-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Apr-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	May-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Jun-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Jul-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Aug-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Sep-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Oct-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Nov-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Dec-17	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Jan-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Feb-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Mar-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Apr-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	May-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Jun-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Jul-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Aug-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Sep-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Oct-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Nov-18	ATQ	F

10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Dec-18	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Jan-19	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Feb-19	ATQ	F
10/4/16	ARA 1x Qtr	Rotterdam Coal Futures	Mar-19	ATQ	F
10/4/16	ARA	Rotterdam Coal Futures	Oct-16	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Nov-16	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Dec-16	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jan-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Feb-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Mar-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Apr-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	May-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jun-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jul-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Aug-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Sep-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Oct-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Nov-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Dec-17	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jan-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Feb-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Mar-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Apr-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	May-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jun-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jul-18	ATW	F

10/4/16	ARA	Rotterdam Coal Futures	Aug-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Sep-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Oct-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Nov-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Dec-18	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jan-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Feb-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Mar-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Apr-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	May-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jun-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jul-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Aug-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Sep-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Oct-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Nov-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Dec-19	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jan-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Feb-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Mar-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Apr-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	May-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jun-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jul-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Aug-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Sep-20	ATW	F

10/4/16	ARA	Rotterdam Coal Futures	Oct-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Nov-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Dec-20	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jan-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Feb-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Mar-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Apr-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	May-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jun-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jul-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Aug-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Sep-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Oct-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Nov-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Dec-21	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jan-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Feb-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Mar-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Apr-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	May-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jun-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Jul-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Aug-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Sep-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Oct-22	ATW	F
10/4/16	ARA	Rotterdam Coal Futures	Nov-22	ATW	F

10/4/16	ARA	Rotterdam Coal Futures	Dec-22	ATW	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Oct-16	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Nov-16	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Dec-16	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jan-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Feb-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Mar-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Apr-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	May-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jun-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jul-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Aug-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Sep-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Oct-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Nov-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Dec-17	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jan-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Feb-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Mar-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Apr-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	May-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jun-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jul-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Aug-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Sep-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Oct-18	BEB	F

10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Nov-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Dec-18	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jan-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Feb-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Mar-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Apr-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	May-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jun-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jul-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Aug-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Sep-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Oct-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Nov-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Dec-19	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jan-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Feb-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Mar-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Apr-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	May-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jun-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jul-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Aug-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Sep-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Oct-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Nov-20	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Dec-20	BEB	F

10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jan-21	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Feb-21	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Mar-21	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Apr-21	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	May-21	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jun-21	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Jul-21	BEB	F
10/4/16	Belgian Grid	Belgian Power Financial Base Futures	Aug-21	BEB	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Sep-16	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Oct-16	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Nov-16	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Dec-16	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jan-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Feb-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Mar-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Apr-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	May-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jun-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jul-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Aug-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Sep-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Oct-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Nov-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Dec-17	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jan-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Feb-18	BGA	F

10/4/16	AMIL.BGS6 DA	Peak Futures	Mar-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Apr-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	May-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jun-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jul-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Aug-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Sep-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Oct-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Nov-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Dec-18	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jan-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Feb-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Mar-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Apr-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	May-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jun-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Jul-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Aug-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Sep-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Oct-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Nov-19	BGA	F
10/4/16	AMIL.BGS6 DA	Peak Futures	Dec-19	BGA	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Sep-16	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Oct-16	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Nov-16	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Dec-16	BGB	F

10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jan-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Feb-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Mar-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Apr-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	May-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jun-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jul-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Aug-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Sep-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Oct-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Nov-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Dec-17	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jan-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Feb-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Mar-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Apr-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	May-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jun-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jul-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Aug-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Sep-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Oct-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Nov-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Dec-18	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jan-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Feb-19	BGB	F

10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Mar-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Apr-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	May-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jun-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Jul-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Aug-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Sep-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Oct-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Nov-19	BGB	F
10/4/16	AMIL.BGS6 DA Off-Peak	Off-Peak Futures	Dec-19	BGB	F
10/4/16	PJM BGE DA	Peak Futures	Sep-16	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Oct-16	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Nov-16	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Dec-16	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jan-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Feb-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Mar-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Apr-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	May-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jun-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jul-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Aug-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Sep-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Oct-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Nov-17	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Dec-17	BGY	F

10/4/16	PJM BGE DA	Peak Futures	Jan-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Feb-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Mar-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Apr-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	May-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jun-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jul-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Aug-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Sep-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Oct-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Nov-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Dec-18	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jan-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Feb-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Mar-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Apr-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	May-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jun-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jul-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Aug-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Sep-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Oct-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Nov-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Dec-19	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jan-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Feb-20	BGY	F

10/4/16	PJM BGE DA	Peak Futures	Mar-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Apr-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	May-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jun-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Jul-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Aug-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Sep-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Oct-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Nov-20	BGY	F
10/4/16	PJM BGE DA	Peak Futures	Dec-20	BGY	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Sep-16	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Dec-16	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jan-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Feb-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Mar-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Apr-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	May-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jun-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jul-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Aug-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Sep-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-17	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Dec-17	BGZ	F

10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jan-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Feb-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Mar-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Apr-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	May-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jun-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jul-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Aug-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Sep-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Dec-18	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jan-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Feb-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Mar-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Apr-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	May-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jun-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jul-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Aug-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Sep-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Dec-19	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jan-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Feb-20	BGZ	F

10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Mar-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Apr-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	May-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jun-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Jul-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Aug-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Sep-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-20	BGZ	F
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Dec-20	BGZ	F
10/4/16	ELIA	Belgian Power Base Load Futures	Oct-16	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Nov-16	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Dec-16	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jan-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Feb-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Mar-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Apr-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	May-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jun-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jul-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Aug-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Sep-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Oct-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Nov-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Dec-17	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jan-18	BPB	M

10/4/16	ELIA	Belgian Power Base Load Futures	Feb-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Mar-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Apr-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	May-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jun-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jul-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Aug-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Sep-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Oct-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Nov-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Dec-18	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jan-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Feb-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Mar-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Apr-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	May-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jun-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jul-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Aug-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Sep-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Oct-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Nov-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Dec-19	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jan-20	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Feb-20	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Mar-20	BPB	M

10/4/16	ELIA	Belgian Power Base Load Futures	Apr-20	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	May-20	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jun-20	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Jul-20	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Aug-20	BPB	M
10/4/16	ELIA	Belgian Power Base Load Futures	Sep-20	BPB	M
10/4/16	EUA	EUA Futures	Oct-16	C	F
10/4/16	EUA	EUA Futures	Nov-16	C	F
10/4/16	EUA	EUA Futures	Dec-16	C	F
10/4/16	EUA	EUA Futures	Mar-17	C	F
10/4/16	EUA	EUA Futures	Jun-17	C	F
10/4/16	EUA	EUA Futures	Sep-17	C	F
10/4/16	EUA	EUA Futures	Dec-17	C	F
10/4/16	EUA	EUA Futures	Mar-18	C	F
10/4/16	EUA	EUA Futures	Jun-18	C	F
10/4/16	EUA	EUA Futures	Sep-18	C	F
10/4/16	EUA	EUA Futures	Dec-18	C	F
10/4/16	EUA	EUA Futures	Mar-19	C	F
10/4/16	EUA	EUA Futures	Jun-19	C	F
10/4/16	EUA	EUA Futures	Sep-19	C	F
10/4/16	EUA	EUA Futures	Dec-19	C	F
10/4/16	EUA	EUA Futures	Mar-20	C	F
10/4/16	EUA	EUA Futures	Jun-20	C	F
10/4/16	EUA	EUA Futures	Sep-20	C	F
10/4/16	EUA	EUA Futures	Dec-20	C	F
10/4/16	CCAS V17	CCA Specific Futures	Oct-16	CA7	F

10/4/16	CCAS V17	CCA Specific Futures	Nov-16	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Dec-16	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Mar-17	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Jun-17	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Sep-17	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Dec-17	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Dec-18	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Dec-19	CA7	F
10/4/16	CCAS V17	CCA Specific Futures	Dec-20	CA7	F
10/4/16	CCAS V18	CCA Specific Futures	Oct-16	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Nov-16	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Dec-16	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Mar-17	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Jun-17	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Sep-17	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Dec-17	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Dec-18	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Dec-19	CA8	F
10/4/16	CCAS V18	CCA Specific Futures	Dec-20	CA8	F
10/4/16	CCAS V19	CCA Specific Futures	Oct-16	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Nov-16	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Dec-16	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Mar-17	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Jun-17	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Sep-17	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Dec-17	CA9	F

10/4/16	CCAS V19	CCA Specific Futures	Dec-18	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Dec-19	CA9	F
10/4/16	CCAS V19	CCA Specific Futures	Dec-20	CA9	F
10/4/16	NP15 DA Mini	Peak Futures	Sep-16	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Oct-16	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Nov-16	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Dec-16	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jan-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Feb-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Mar-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Apr-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	May-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jun-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jul-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Aug-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Sep-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Oct-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Nov-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Dec-17	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jan-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Feb-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Mar-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Apr-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	May-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jun-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jul-18	CAA	F

10/4/16	NP15 DA Mini	Peak Futures	Aug-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Sep-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Oct-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Nov-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Dec-18	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jan-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Feb-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Mar-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Apr-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	May-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jun-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jul-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Aug-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Sep-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Oct-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Nov-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Dec-19	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jan-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Feb-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Mar-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Apr-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	May-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jun-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Jul-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Aug-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Sep-20	CAA	F

10/4/16	NP15 DA Mini	Peak Futures	Oct-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Nov-20	CAA	F
10/4/16	NP15 DA Mini	Peak Futures	Dec-20	CAA	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Sep-16	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Oct-16	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Nov-16	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Dec-16	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jan-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Feb-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Mar-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Apr-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	May-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jun-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jul-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Aug-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Sep-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Oct-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Nov-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Dec-17	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jan-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Feb-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Mar-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Apr-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	May-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jun-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jul-18	CAB	F

10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Aug-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Sep-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Oct-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Nov-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Dec-18	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jan-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Feb-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Mar-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Apr-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	May-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jun-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jul-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Aug-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Sep-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Oct-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Nov-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Dec-19	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jan-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Feb-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Mar-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Apr-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	May-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jun-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Jul-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Aug-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Sep-20	CAB	F

10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Oct-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Nov-20	CAB	F
10/4/16	NP15 DA Off-Peak Mini	Off-Peak Futures	Dec-20	CAB	F
10/4/16	CCA V13	CCA Futures	Dec-16	CAL	F
10/4/16	CCA V13	CCA Futures	Dec-17	CAL	F
10/4/16	CCA V13	CCA Futures	Dec-18	CAL	F
10/4/16	CCA V13	CCA Futures	Dec-19	CAL	F
10/4/16	CCA V14	CCA Futures	Dec-16	CAM	F
10/4/16	CCA V14	CCA Futures	Dec-17	CAM	F
10/4/16	CCA V14	CCA Futures	Dec-18	CAM	F
10/4/16	CCA V14	CCA Futures	Dec-19	CAM	F
10/4/16	CCA V15	CCA Futures	Oct-16	CAN	F
10/4/16	CCA V15	CCA Futures	Nov-16	CAN	F
10/4/16	CCA V15	CCA Futures	Dec-16	CAN	F
10/4/16	CCA V15	CCA Futures	Jan-17	CAN	F
10/4/16	CCA V15	CCA Futures	Feb-17	CAN	F
10/4/16	CCA V15	CCA Futures	Mar-17	CAN	F
10/4/16	CCA V15	CCA Futures	Apr-17	CAN	F
10/4/16	CCA V15	CCA Futures	May-17	CAN	F
10/4/16	CCA V15	CCA Futures	Jun-17	CAN	F
10/4/16	CCA V15	CCA Futures	Jul-17	CAN	F
10/4/16	CCA V15	CCA Futures	Aug-17	CAN	F
10/4/16	CCA V15	CCA Futures	Sep-17	CAN	F
10/4/16	CCA V15	CCA Futures	Oct-17	CAN	F
10/4/16	CCA V15	CCA Futures	Nov-17	CAN	F
10/4/16	CCA V15	CCA Futures	Dec-17	CAN	F

10/4/16	CCA V15	CCA Futures	Mar-18	CAN	F
10/4/16	CCA V15	CCA Futures	Jun-18	CAN	F
10/4/16	CCA V15	CCA Futures	Sep-18	CAN	F
10/4/16	CCA V15	CCA Futures	Dec-18	CAN	F
10/4/16	CCA V15	CCA Futures	Dec-19	CAN	F
10/4/16	CCA V15	CCA Futures	Dec-20	CAN	F
10/4/16	CCA V16	CCA Futures	Oct-16	CAO	F
10/4/16	CCA V16	CCA Futures	Nov-16	CAO	F
10/4/16	CCA V16	CCA Futures	Dec-16	CAO	F
10/4/16	CCA V16	CCA Futures	Jan-17	CAO	F
10/4/16	CCA V16	CCA Futures	Feb-17	CAO	F
10/4/16	CCA V16	CCA Futures	Mar-17	CAO	F
10/4/16	CCA V16	CCA Futures	Apr-17	CAO	F
10/4/16	CCA V16	CCA Futures	May-17	CAO	F
10/4/16	CCA V16	CCA Futures	Jun-17	CAO	F
10/4/16	CCA V16	CCA Futures	Jul-17	CAO	F
10/4/16	CCA V16	CCA Futures	Aug-17	CAO	F
10/4/16	CCA V16	CCA Futures	Sep-17	CAO	F
10/4/16	CCA V16	CCA Futures	Oct-17	CAO	F
10/4/16	CCA V16	CCA Futures	Nov-17	CAO	F
10/4/16	CCA V16	CCA Futures	Dec-17	CAO	F
10/4/16	CCA V16	CCA Futures	Mar-18	CAO	F
10/4/16	CCA V16	CCA Futures	Jun-18	CAO	F
10/4/16	CCA V16	CCA Futures	Sep-18	CAO	F
10/4/16	CCA V16	CCA Futures	Dec-18	CAO	F
10/4/16	CCA V16	CCA Futures	Dec-19	CAO	F

10/4/16	CCA V16	CCA Futures	Dec-20	CAO	F
10/4/16	CCA V17	CCA Futures	Oct-16	CAP	F
10/4/16	CCA V17	CCA Futures	Nov-16	CAP	F
10/4/16	CCA V17	CCA Futures	Dec-16	CAP	F
10/4/16	CCA V17	CCA Futures	Jan-17	CAP	F
10/4/16	CCA V17	CCA Futures	Feb-17	CAP	F
10/4/16	CCA V17	CCA Futures	Mar-17	CAP	F
10/4/16	CCA V17	CCA Futures	Apr-17	CAP	F
10/4/16	CCA V17	CCA Futures	May-17	CAP	F
10/4/16	CCA V17	CCA Futures	Jun-17	CAP	F
10/4/16	CCA V17	CCA Futures	Jul-17	CAP	F
10/4/16	CCA V17	CCA Futures	Aug-17	CAP	F
10/4/16	CCA V17	CCA Futures	Sep-17	CAP	F
10/4/16	CCA V17	CCA Futures	Oct-17	CAP	F
10/4/16	CCA V17	CCA Futures	Nov-17	CAP	F
10/4/16	CCA V17	CCA Futures	Dec-17	CAP	F
10/4/16	CCA V17	CCA Futures	Mar-18	CAP	F
10/4/16	CCA V17	CCA Futures	Jun-18	CAP	F
10/4/16	CCA V17	CCA Futures	Sep-18	CAP	F
10/4/16	CCA V17	CCA Futures	Dec-18	CAP	F
10/4/16	CCA V17	CCA Futures	Dec-19	CAP	F
10/4/16	CCA V17	CCA Futures	Dec-20	CAP	F
10/4/16	CCA V18	CCA Futures	Oct-16	CAW	F
10/4/16	CCA V18	CCA Futures	Nov-16	CAW	F
10/4/16	CCA V18	CCA Futures	Dec-16	CAW	F
10/4/16	CCA V18	CCA Futures	Jan-17	CAW	F

10/4/16	CCA V18	CCA Futures	Feb-17	CAW	F
10/4/16	CCA V18	CCA Futures	Mar-17	CAW	F
10/4/16	CCA V18	CCA Futures	Apr-17	CAW	F
10/4/16	CCA V18	CCA Futures	May-17	CAW	F
10/4/16	CCA V18	CCA Futures	Jun-17	CAW	F
10/4/16	CCA V18	CCA Futures	Jul-17	CAW	F
10/4/16	CCA V18	CCA Futures	Aug-17	CAW	F
10/4/16	CCA V18	CCA Futures	Sep-17	CAW	F
10/4/16	CCA V18	CCA Futures	Oct-17	CAW	F
10/4/16	CCA V18	CCA Futures	Nov-17	CAW	F
10/4/16	CCA V18	CCA Futures	Dec-17	CAW	F
10/4/16	CCA V18	CCA Futures	Mar-18	CAW	F
10/4/16	CCA V18	CCA Futures	Jun-18	CAW	F
10/4/16	CCA V18	CCA Futures	Sep-18	CAW	F
10/4/16	CCA V18	CCA Futures	Dec-18	CAW	F
10/4/16	CCA V18	CCA Futures	Dec-19	CAW	F
10/4/16	CCA V18	CCA Futures	Dec-20	CAW	F
10/4/16	CCA V18	CCA Futures	Jul-21	CAW	F
10/4/16	CCA V19	CCA Futures	Oct-16	CAX	F
10/4/16	CCA V19	CCA Futures	Nov-16	CAX	F
10/4/16	CCA V19	CCA Futures	Dec-16	CAX	F
10/4/16	CCA V19	CCA Futures	Mar-17	CAX	F
10/4/16	CCA V19	CCA Futures	Jun-17	CAX	F
10/4/16	CCA V19	CCA Futures	Sep-17	CAX	F
10/4/16	CCA V19	CCA Futures	Dec-17	CAX	F
10/4/16	CCA V19	CCA Futures	Mar-18	CAX	F

10/4/16	CCA V19	CCA Futures	Jun-18	CAX	F
10/4/16	CCA V19	CCA Futures	Sep-18	CAX	F
10/4/16	CCA V19	CCA Futures	Dec-18	CAX	F
10/4/16	CCA V19	CCA Futures	Mar-19	CAX	F
10/4/16	CCA V19	CCA Futures	Jun-19	CAX	F
10/4/16	CCA V19	CCA Futures	Sep-19	CAX	F
10/4/16	CCA V19	CCA Futures	Dec-19	CAX	F
10/4/16	CCA V20	CCA Futures	Oct-16	CAY	F
10/4/16	CCA V20	CCA Futures	Nov-16	CAY	F
10/4/16	CCA V20	CCA Futures	Dec-16	CAY	F
10/4/16	CCA V20	CCA Futures	Mar-17	CAY	F
10/4/16	CCA V20	CCA Futures	Jun-17	CAY	F
10/4/16	CCA V20	CCA Futures	Sep-17	CAY	F
10/4/16	CCA V20	CCA Futures	Dec-17	CAY	F
10/4/16	CCA V20	CCA Futures	Mar-18	CAY	F
10/4/16	CCA V20	CCA Futures	Jun-18	CAY	F
10/4/16	CCA V20	CCA Futures	Sep-18	CAY	F
10/4/16	CCA V20	CCA Futures	Dec-18	CAY	F
10/4/16	CCA V20	CCA Futures	Mar-19	CAY	F
10/4/16	CCA V20	CCA Futures	Jun-19	CAY	F
10/4/16	CCA V20	CCA Futures	Sep-19	CAY	F
10/4/16	CCA V20	CCA Futures	Dec-19	CAY	F
10/4/16	REC-CT C1 V16	REC-CT Futures	Apr-17	CC6	F
10/4/16	REC-CT C1 V16	REC-CT Futures	May-17	CC6	F
10/4/16	REC-CT C1 V17	REC-CT Futures	Apr-18	CC7	F
10/4/16	REC-CT C1 V17	REC-CT Futures	May-18	CC7	F

10/4/16	REC-CT C1 V18	REC-CT Futures	Jul-18	CC8	F
10/4/16	REC-CT C1 V18	REC-CT Futures	Aug-18	CC8	F
10/4/16	REC-CT C1 V18	REC-CT Futures	Apr-19	CC8	F
10/4/16	REC-CT C1 V18	REC-CT Futures	May-19	CC8	F
10/4/16	REC-CT C1 V19	REC-CT Futures	Apr-20	CC9	F
10/4/16	REC-CT C1 V19	REC-CT Futures	May-20	CC9	F
10/4/16	CAISO Malin DA	Peak Futures	Sep-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Sep-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Sep-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D

10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Oct-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D

10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Nov-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D

10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	CAISO Malin DA	Peak Futures	Dec-16	CCL	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Sep-16	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Dec-16	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jan-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Feb-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Mar-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Apr-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	May-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jun-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jul-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Aug-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Sep-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Dec-17	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jan-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Feb-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Mar-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Apr-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	May-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jun-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jul-18	CEO	F

10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Aug-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Sep-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Dec-18	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jan-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Feb-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Mar-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Apr-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	May-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jun-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jul-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Aug-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Sep-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Dec-19	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jan-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Feb-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Mar-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Apr-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	May-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jun-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Jul-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Aug-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Sep-20	CEO	F

10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-20	CEO	F
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Dec-20	CEO	F
10/4/16	PJM ComEd DA	Peak Futures	Sep-16	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Dec-16	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jan-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Feb-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Mar-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Apr-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	May-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jun-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jul-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Aug-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Sep-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Oct-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Nov-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Dec-17	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jan-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Feb-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Mar-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Apr-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	May-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jun-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jul-18	CEP	F

10/4/16	PJM ComEd DA	Peak Futures	Aug-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Sep-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Oct-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Nov-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Dec-18	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jan-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Feb-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Mar-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Apr-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	May-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jun-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jul-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Aug-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Sep-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Oct-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Nov-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Dec-19	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jan-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Feb-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Mar-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Apr-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	May-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jun-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Jul-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Aug-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Sep-20	CEP	F

10/4/16	PJM ComEd DA	Peak Futures	Oct-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Nov-20	CEP	F
10/4/16	PJM ComEd DA	Peak Futures	Dec-20	CEP	F
10/4/16	CER	CER Futures	Oct-16	CER	F
10/4/16	CER	CER Futures	Nov-16	CER	F
10/4/16	CER	CER Futures	Dec-16	CER	F
10/4/16	CER	CER Futures	Mar-17	CER	F
10/4/16	CER	CER Futures	Jun-17	CER	F
10/4/16	CER	CER Futures	Sep-17	CER	F
10/4/16	CER	CER Futures	Dec-17	CER	F
10/4/16	CER	CER Futures	Mar-18	CER	F
10/4/16	CER	CER Futures	Jun-18	CER	F
10/4/16	CER	CER Futures	Sep-18	CER	F
10/4/16	CER	CER Futures	Dec-18	CER	F
10/4/16	CER	CER Futures	Mar-19	CER	F
10/4/16	CER	CER Futures	Jun-19	CER	F
10/4/16	CER	CER Futures	Sep-19	CER	F
10/4/16	CER	CER Futures	Dec-19	CER	F
10/4/16	CER	CER Futures	Mar-20	CER	F
10/4/16	CER	CER Futures	Jun-20	CER	F
10/4/16	CER	CER Futures	Sep-20	CER	F
10/4/16	CER	CER Futures	Dec-20	CER	F
10/4/16	CER Daily	CER Daily Futures	Oct-16	CES	D
10/4/16	CER Daily	CER Daily Futures	Oct-16	CES	D
10/4/16	CER Daily	CER Daily Futures	Oct-16	CES	D
10/4/16	CER Daily	CER Daily Futures	Oct-16	CES	D

10/4/16	CER Daily	CER Daily Futures	Oct-16	CES	D
10/4/16	CER Daily	CER Daily Futures	Oct-16	CES	D
10/4/16	EUAA	EUAA Futures	Oct-16	CEU	F
10/4/16	EUAA	EUAA Futures	Nov-16	CEU	F
10/4/16	EUAA	EUAA Futures	Dec-16	CEU	F
10/4/16	EUAA	EUAA Futures	Mar-17	CEU	F
10/4/16	EUAA	EUAA Futures	Jun-17	CEU	F
10/4/16	EUAA	EUAA Futures	Sep-17	CEU	F
10/4/16	EUAA	EUAA Futures	Dec-17	CEU	F
10/4/16	EUAA	EUAA Futures	Mar-18	CEU	F
10/4/16	EUAA	EUAA Futures	Jun-18	CEU	F
10/4/16	EUAA	EUAA Futures	Sep-18	CEU	F
10/4/16	EUAA	EUAA Futures	Dec-18	CEU	F
10/4/16	EUAA	EUAA Futures	Mar-19	CEU	F
10/4/16	EUAA	EUAA Futures	Jun-19	CEU	F
10/4/16	EUAA	EUAA Futures	Sep-19	CEU	F
10/4/16	EUAA	EUAA Futures	Dec-19	CEU	F
10/4/16	EUAA	EUAA Futures	Mar-20	CEU	F
10/4/16	EUAA	EUAA Futures	Jun-20	CEU	F
10/4/16	EUAA	EUAA Futures	Sep-20	CEU	F
10/4/16	EUAA	EUAA Futures	Dec-20	CEU	F
10/4/16	CFI-US	CFI-US Futures	Dec-16	CFS	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-16	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	CIN	F

10/4/16	Indiana Hub RT	Peak Futures	Jan-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Mar-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	May-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jul-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-17	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jan-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Mar-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	May-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jul-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-18	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jan-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-19	CIN	F

10/4/16	Indiana Hub RT	Peak Futures	Mar-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	May-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jul-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-19	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jan-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Mar-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	May-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jul-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-20	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jan-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Mar-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-21	CIN	F

10/4/16	Indiana Hub RT	Peak Futures	May-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jul-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-21	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jan-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Mar-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	May-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jul-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-22	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jan-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Mar-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	May-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-23	CIN	F

10/4/16	Indiana Hub RT	Peak Futures	Jul-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-23	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jan-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Feb-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Mar-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Apr-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	May-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jun-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Jul-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Aug-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Sep-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Oct-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Nov-24	CIN	F
10/4/16	Indiana Hub RT	Peak Futures	Dec-24	CIN	F
10/4/16	NP15 FMM	Peak Futures	Sep-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Sep-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Sep-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Sep-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Sep-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D

10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D

10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Oct-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D

10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Nov-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM	Peak Futures	Dec-16	CIP	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D

10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D

10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D

10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	NP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CIQ	D
10/4/16	CAISO PV DA	Peak Futures	Sep-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Sep-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Sep-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D

10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Oct-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D

10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Nov-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D

10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	CAISO PV DA	Peak Futures	Dec-16	CPC	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-16	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-16	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-17	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-18	CPO	F

10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-18	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-19	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-20	CPO	F

10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-20	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-21	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-22	CPO	F

10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-22	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-23	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jan-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Feb-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Mar-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Apr-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	May-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jun-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Jul-24	CPO	F

10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Aug-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-24	CPO	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Dec-24	CPO	F
10/4/16	REC-CT C1 V20	REC-CT Futures	Apr-21	CR0	F
10/4/16	REC-CT C1 V20	REC-CT Futures	May-21	CR0	F
10/4/16	REC-CT C1 V21	REC-CT Futures	Apr-22	CR1	F
10/4/16	REC-CT C1 V21	REC-CT Futures	May-22	CR1	F
10/4/16	REC-CT C1 V22	REC-CT Futures	Apr-23	CR2	F
10/4/16	REC-CT C1 V22	REC-CT Futures	May-23	CR2	F
10/4/16	REC-CT C1 V23	REC-CT Futures	Apr-24	CR3	F
10/4/16	REC-CT C1 V23	REC-CT Futures	May-24	CR3	F
10/4/16	CFR S China	CFR South China Coal Futures	Oct-16	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Nov-16	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Dec-16	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jan-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Feb-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Mar-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Apr-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	May-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jun-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jul-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Aug-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Sep-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Oct-17	CRF	F

10/4/16	CFR S China	CFR South China Coal Futures	Nov-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Dec-17	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jan-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Feb-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Mar-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Apr-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	May-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jun-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jul-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Aug-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Sep-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Oct-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Nov-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Dec-18	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jan-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Feb-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Mar-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Apr-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	May-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jun-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jul-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Aug-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Sep-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Oct-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Nov-19	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Dec-19	CRF	F

10/4/16	CFR S China	CFR South China Coal Futures	Jan-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Feb-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Mar-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Apr-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	May-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jun-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jul-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Aug-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Sep-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Oct-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Nov-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Dec-20	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jan-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Feb-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Mar-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Apr-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	May-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jun-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Jul-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Aug-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Sep-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Oct-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Nov-21	CRF	F
10/4/16	CFR S China	CFR South China Coal Futures	Dec-21	CRF	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-16	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-16	CSO	F

10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-16	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-17	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-18	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-19	CSO	F

10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-19	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-20	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-21	CSO	F

10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-21	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-22	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-23	CSO	F

10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-23	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-24	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-25	CSO	F

10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-25	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jan-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Feb-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Mar-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Apr-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	May-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jun-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Jul-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Aug-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Sep-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Oct-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Nov-26	CSO	F
10/4/16	Mid C Off-Peak Mini	Off-Peak Futures	Dec-26	CSO	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-16	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-16	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-16	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-16	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-17	CSP	F

10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-17	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-18	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-19	CSP	F

10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-19	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-20	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-21	CSP	F

10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-21	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-22	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-23	CSP	F

10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-23	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-24	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-25	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jan-26	CSP	F

10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Feb-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Mar-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Apr-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	May-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jun-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Jul-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Aug-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Sep-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Oct-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Nov-26	CSP	F
10/4/16	SP15 DA Off-Peak Mini	Off-Peak Futures	Dec-26	CSP	F
10/4/16	SP15 FMM	Peak Futures	Sep-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Sep-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Sep-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Sep-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Sep-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D

10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Oct-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D

10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
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10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
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10/4/16	SP15 FMM	Peak Futures	Nov-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D

10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D
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10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D
10/4/16	SP15 FMM	Peak Futures	Dec-16	CSY	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Sep-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
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10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
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10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
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10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D

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10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
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10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Oct-16	CSZ	D
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10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Nov-16	CSZ	D

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10/4/16	SP15 FMM Off-Peak	Off-Peak Futures	Dec-16	CSZ	D

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10/4/16	AD Hub RT (Look Back)	Peak Futures	Mar-17	DDO	D
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10/4/16	AD Hub RT	Peak Futures	Mar-17	DDP	D
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10/4/16	AD Hub RT	Peak Futures	Mar-17	DDP	D
10/4/16	AD Hub RT	Peak Futures	Apr-17	DDP	D
10/4/16	AD Hub RT	Peak Futures	Apr-17	DDP	D
10/4/16	AD Hub RT	Peak Futures	Apr-17	DDP	D
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10/4/16	AD Hub RT	Peak Futures	Jun-17	DDP	D
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10/4/16	AD Hub RT	Peak Futures	Jun-17	DDP	D
10/4/16	AD Hub RT	Peak Futures	Jun-17	DDP	D

10/4/16	AD Hub RT	Peak Futures	Jun-17	DDP	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Sep-16	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Dec-16	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jan-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Feb-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Mar-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Apr-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	May-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jun-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jul-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Aug-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Sep-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Dec-17	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jan-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Feb-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Mar-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Apr-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	May-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jun-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jul-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Aug-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Sep-18	DEO	F

10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Dec-18	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jan-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Feb-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Mar-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Apr-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	May-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jun-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jul-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Aug-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Sep-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Dec-19	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jan-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Feb-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Mar-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Apr-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	May-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jun-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Jul-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Aug-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Sep-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-20	DEO	F
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-20	DEO	F

10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Dec-20	DEO	F
10/4/16	PJM DEOK DA	Peak Futures	Sep-16	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Dec-16	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jan-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Feb-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Mar-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Apr-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	May-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jun-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jul-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Aug-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Sep-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Oct-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Nov-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Dec-17	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jan-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Feb-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Mar-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Apr-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	May-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jun-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jul-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Aug-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Sep-18	DEP	F

10/4/16	PJM DEOK DA	Peak Futures	Oct-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Nov-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Dec-18	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jan-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Feb-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Mar-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Apr-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	May-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jun-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jul-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Aug-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Sep-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Oct-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Nov-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Dec-19	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jan-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Feb-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Mar-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Apr-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	May-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jun-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Jul-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Aug-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Sep-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Oct-20	DEP	F
10/4/16	PJM DEOK DA	Peak Futures	Nov-20	DEP	F

10/4/16	PJM DEOK DA	Peak Futures	Dec-20	DEP	F
10/4/16	French Grid	French Power Financial Peak Daily Futures	Oct-16	DFA	D
10/4/16	French Grid	French Power Financial Peak Daily Futures	Oct-16	DFA	D
10/4/16	French Grid	French Power Financial Peak Daily Futures	Oct-16	DFA	D
10/4/16	French Grid	French Power Financial Peak Daily Futures	Oct-16	DFA	D
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10/4/16	French Grid	French Power Financial Peak Daily Futures	Oct-16	DFA	D

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10/4/16	French Grid	French Power Financial Peak Daily Futures	Nov-16	DFA	D
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10/4/16	French Grid	French Power Financial Peak Daily Futures	Nov-16	DFA	D
10/4/16	French Grid	French Power Financial Peak Daily Futures	Dec-16	DFA	D
10/4/16	French Grid	French Power Financial Peak Daily Futures	Dec-16	DFA	D
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10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
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10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D

10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
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10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Oct-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Nov-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Nov-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Nov-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Nov-16	DIF	D
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10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Nov-16	DIF	D
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10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Nov-16	DIF	D
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10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Dec-16	DIF	D
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10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Dec-16	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Jan-17	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Jan-17	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Jan-17	DIF	D
10/4/16	Italian Grid	Italian Power Financial Base Daily Futures	Jan-17	DIF	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Oct-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Oct-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Oct-16	DNB	D
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10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
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10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
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10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
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10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Nov-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D

10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
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10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
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10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
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10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Dec-16	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Jan-17	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Jan-17	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Jan-17	DNB	D
10/4/16	Nordic Grid	Nordic Power Financial Base Daily Futures	Jan-17	DNB	D
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Oct-16	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Nov-16	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Dec-16	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jan-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Feb-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Mar-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Apr-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	May-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jun-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jul-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Aug-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Sep-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Oct-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Nov-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Dec-17	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jan-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Feb-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Mar-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Apr-18	DPA	M

10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	May-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jun-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jul-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Aug-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Sep-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Oct-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Nov-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Dec-18	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jan-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Feb-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Mar-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Apr-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	May-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jun-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jul-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Aug-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Sep-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Oct-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Nov-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Dec-19	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jan-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Feb-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Mar-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Apr-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	May-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jun-20	DPA	M

10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jul-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Aug-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Sep-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Oct-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Nov-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Dec-20	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jan-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Feb-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Mar-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Apr-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	May-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jun-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Jul-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Aug-21	DPA	M
10/4/16	TenneT	Dutch Power Peak Load (8-20) Futures	Sep-21	DPA	M
10/4/16	TenneT	Dutch Power Base Load Futures	Oct-16	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Nov-16	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Dec-16	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jan-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Feb-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Mar-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Apr-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	May-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jun-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jul-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Aug-17	DPB	M

10/4/16	TenneT	Dutch Power Base Load Futures	Sep-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Oct-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Nov-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Dec-17	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jan-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Feb-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Mar-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Apr-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	May-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jun-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jul-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Aug-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Sep-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Oct-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Nov-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Dec-18	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jan-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Feb-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Mar-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Apr-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	May-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jun-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jul-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Aug-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Sep-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Oct-19	DPB	M

10/4/16	TenneT	Dutch Power Base Load Futures	Nov-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Dec-19	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jan-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Feb-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Mar-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Apr-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	May-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jun-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jul-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Aug-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Sep-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Oct-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Nov-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Dec-20	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jan-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Feb-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Mar-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Apr-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	May-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jun-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Jul-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Aug-21	DPB	M
10/4/16	TenneT	Dutch Power Base Load Futures	Sep-21	DPB	M
10/4/16	NP15 DA	Peak Futures	Sep-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Sep-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Sep-16	DPN	D

10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D

10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Oct-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D

10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Nov-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	NP15 DA	Peak Futures	Dec-16	DPN	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D

10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Oct-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Nov-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Nov-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Nov-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Nov-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Nov-16	DPW	D
10/4/16	TenneT	Dutch Power Base Load Week Futures	Nov-16	DPW	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D

10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Oct-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D

10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D

10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Nov-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D

10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Dec-16	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Jan-17	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Jan-17	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Jan-17	DSB	D
10/4/16	Spanish Grid	Spanish Power Financial Base Daily Futures	Jan-17	DSB	D
10/4/16	EUA Phase 3 Daily	EUA Phase 3 Daily Futures	Oct-16	ECP	D
10/4/16	EUA Phase 3 Daily	EUA Phase 3 Daily Futures	Oct-16	ECP	D
10/4/16	EUA Phase 3 Daily	EUA Phase 3 Daily Futures	Oct-16	ECP	D
10/4/16	EUA Phase 3 Daily	EUA Phase 3 Daily Futures	Oct-16	ECP	D
10/4/16	EUA Phase 3 Daily	EUA Phase 3 Daily Futures	Oct-16	ECP	D
10/4/16	EUA Phase 3 Daily	EUA Phase 3 Daily Futures	Oct-16	ECP	D
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Sep-16	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Oct-16	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Nov-16	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Dec-16	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jan-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Feb-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Mar-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Apr-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	May-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jun-17	ECR	F

10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jul-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Aug-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Sep-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Oct-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Nov-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Dec-17	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jan-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Feb-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Mar-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Apr-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	May-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jun-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jul-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Aug-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Sep-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Oct-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Nov-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Dec-18	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jan-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Feb-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Mar-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Apr-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	May-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jun-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Jul-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Aug-19	ECR	F

10/4/16	ERCOT	Capacity Responsive Reserve Futures	Sep-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Oct-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Nov-19	ECR	F
10/4/16	ERCOT	Capacity Responsive Reserve Futures	Dec-19	ECR	F
10/4/16	ERCOT ISO DL	Daily Load Futures	Sep-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Sep-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Sep-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Sep-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Sep-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT ISO DL	Daily Load Futures	Oct-16	EDF	D
10/4/16	ERCOT Houston LZ RT	Peak Futures	Sep-16	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Oct-16	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Nov-16	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Dec-16	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jan-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Feb-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Mar-17	EDH	F

10/4/16	ERCOT Houston LZ RT	Peak Futures	Apr-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	May-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jun-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jul-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Aug-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Sep-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Oct-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Nov-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Dec-17	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jan-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Feb-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Mar-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Apr-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	May-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jun-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jul-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Aug-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Sep-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Oct-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Nov-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Dec-18	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jan-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Feb-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Mar-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Apr-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	May-19	EDH	F

10/4/16	ERCOT Houston LZ RT	Peak Futures	Jun-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Jul-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Aug-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Sep-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Oct-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Nov-19	EDH	F
10/4/16	ERCOT Houston LZ RT	Peak Futures	Dec-19	EDH	F
10/4/16	ERCOT North LZ RT	Peak Futures	Sep-16	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Oct-16	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Nov-16	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Dec-16	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jan-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Feb-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Mar-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Apr-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	May-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jun-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jul-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Aug-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Sep-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Oct-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Nov-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Dec-17	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jan-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Feb-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Mar-18	EDN	F

10/4/16	ERCOT North LZ RT	Peak Futures	Apr-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	May-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jun-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jul-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Aug-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Sep-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Oct-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Nov-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Dec-18	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jan-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Feb-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Mar-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Apr-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	May-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jun-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Jul-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Aug-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Sep-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Oct-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Nov-19	EDN	F
10/4/16	ERCOT North LZ RT	Peak Futures	Dec-19	EDN	F
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Oct-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
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10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
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10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Nov-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Dec-16	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jan-17	EDP	D
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10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
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10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
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10/4/16	Nepool MH DA (Daily)	Peak Futures	Feb-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
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10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Mar-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Apr-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	May-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D

10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	Nepool MH DA (Daily)	Peak Futures	Jun-17	EDP	D
10/4/16	ERCOT South LZ RT	Peak Futures	Sep-16	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Oct-16	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Nov-16	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Dec-16	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jan-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Feb-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Mar-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Apr-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	May-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jun-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jul-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Aug-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Sep-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Oct-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Nov-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Dec-17	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jan-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Feb-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Mar-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Apr-18	EDS	F

10/4/16	ERCOT South LZ RT	Peak Futures	May-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jun-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jul-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Aug-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Sep-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Oct-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Nov-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Dec-18	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jan-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Feb-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Mar-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Apr-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	May-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jun-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Jul-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Aug-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Sep-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Oct-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Nov-19	EDS	F
10/4/16	ERCOT South LZ RT	Peak Futures	Dec-19	EDS	F
10/4/16	ERCOT West LZ RT	Peak Futures	Sep-16	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Oct-16	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Nov-16	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Dec-16	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jan-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Feb-17	EDW	F

10/4/16	ERCOT West LZ RT	Peak Futures	Mar-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Apr-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	May-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jun-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jul-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Aug-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Sep-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Oct-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Nov-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Dec-17	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jan-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Feb-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Mar-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Apr-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	May-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jun-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jul-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Aug-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Sep-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Oct-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Nov-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Dec-18	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jan-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Feb-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Mar-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Apr-19	EDW	F

10/4/16	ERCOT West LZ RT	Peak Futures	May-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jun-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Jul-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Aug-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Sep-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Oct-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Nov-19	EDW	F
10/4/16	ERCOT West LZ RT	Peak Futures	Dec-19	EDW	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D

10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D

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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D

10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D

10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
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10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	EHD	D
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10/4/16	ERCOT	Non-Spinning Reserve Futures	Sep-16	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Oct-16	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Nov-16	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Dec-16	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Jan-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Feb-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Mar-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Apr-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	May-17	ENS	F

10/4/16	ERCOT	Non-Spinning Reserve Futures	Jun-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Jul-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Aug-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Sep-17	ENS	F
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10/4/16	ERCOT	Non-Spinning Reserve Futures	Nov-17	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Dec-17	ENS	F
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10/4/16	ERCOT	Non-Spinning Reserve Futures	May-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Jun-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Jul-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Aug-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Sep-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Oct-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Nov-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Dec-18	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Jan-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Feb-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Mar-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Apr-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	May-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Jun-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Jul-19	ENS	F

10/4/16	ERCOT	Non-Spinning Reserve Futures	Aug-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Sep-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Oct-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Nov-19	ENS	F
10/4/16	ERCOT	Non-Spinning Reserve Futures	Dec-19	ENS	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-16	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-16	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-16	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-16	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Feb-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Mar-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Apr-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	May-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jun-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jul-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Aug-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-17	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Feb-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Mar-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Apr-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	May-18	ERH	F

10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jun-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jul-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Aug-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-18	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Feb-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Mar-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Apr-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	May-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jun-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jul-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Aug-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-19	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Feb-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Mar-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Apr-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	May-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jun-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jul-20	ERH	F

10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Aug-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-20	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Feb-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Mar-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Apr-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	May-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jun-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jul-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Aug-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-21	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jan-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Feb-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Mar-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Apr-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	May-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jun-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Jul-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Aug-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Sep-22	ERH	F

10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Oct-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Nov-22	ERH	F
10/4/16	ERCOT Houston 345KV Hub RT	Peak Futures	Dec-22	ERH	F
10/4/16	ERCOT	Regulation Up Futures	Sep-16	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Oct-16	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Nov-16	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Dec-16	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jan-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Feb-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Mar-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Apr-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	May-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jun-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jul-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Aug-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Sep-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Oct-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Nov-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Dec-17	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jan-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Feb-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Mar-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Apr-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	May-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jun-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jul-18	ERK	F

10/4/16	ERCOT	Regulation Up Futures	Aug-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Sep-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Oct-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Nov-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Dec-18	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jan-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Feb-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Mar-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Apr-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	May-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jun-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Jul-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Aug-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Sep-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Oct-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Nov-19	ERK	F
10/4/16	ERCOT	Regulation Up Futures	Dec-19	ERK	F
10/4/16	ERCOT	Regulation Down Futures	Sep-16	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Oct-16	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Nov-16	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Dec-16	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jan-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Feb-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Mar-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Apr-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	May-17	ERL	F

10/4/16	ERCOT	Regulation Down Futures	Jun-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jul-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Aug-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Sep-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Oct-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Nov-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Dec-17	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jan-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Feb-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Mar-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Apr-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	May-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jun-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jul-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Aug-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Sep-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Oct-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Nov-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Dec-18	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jan-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Feb-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Mar-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Apr-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	May-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jun-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Jul-19	ERL	F

10/4/16	ERCOT	Regulation Down Futures	Aug-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Sep-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Oct-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Nov-19	ERL	F
10/4/16	ERCOT	Regulation Down Futures	Dec-19	ERL	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Sep-16	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Oct-16	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Nov-16	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Dec-16	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jan-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Feb-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Mar-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Apr-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	May-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jun-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jul-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Aug-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Sep-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Oct-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Nov-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Dec-17	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jan-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Feb-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Mar-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Apr-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	May-18	ERN	F

10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jun-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jul-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Aug-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Sep-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Oct-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Nov-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Dec-18	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jan-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Feb-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Mar-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Apr-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	May-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jun-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jul-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Aug-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Sep-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Oct-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Nov-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Dec-19	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jan-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Feb-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Mar-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Apr-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	May-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jun-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jul-20	ERN	F

10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Aug-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Sep-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Oct-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Nov-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Dec-20	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jan-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Feb-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Mar-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Apr-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	May-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jun-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jul-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Aug-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Sep-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Oct-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Nov-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Dec-21	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jan-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Feb-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Mar-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Apr-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	May-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jun-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Jul-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Aug-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Sep-22	ERN	F

10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Oct-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Nov-22	ERN	F
10/4/16	ERCOT North 345KV Hub RT	Peak Futures	Dec-22	ERN	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-16	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-16	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-16	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-16	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Mar-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Apr-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	May-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jun-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jul-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Aug-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-17	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Mar-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Apr-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	May-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jun-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jul-18	ERS	F

10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Aug-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-18	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Mar-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Apr-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	May-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jun-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jul-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Aug-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-19	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Mar-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Apr-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	May-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jun-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jul-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Aug-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-20	ERS	F

10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-20	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Mar-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Apr-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	May-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jun-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jul-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Aug-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-21	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Mar-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Apr-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	May-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jun-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jul-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Aug-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-22	ERS	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-22	ERS	F

10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-22	ERS	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-16	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Mar-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Apr-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	May-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jun-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jul-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Aug-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-17	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Mar-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Apr-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	May-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jun-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jul-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Aug-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-18	ERW	F

10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-18	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-19	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-19	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Mar-19	ERW	F
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	May-19	ERW	F
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jul-19	ERW	F
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	May-20	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jun-20	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jul-20	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Aug-20	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-20	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-20	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-20	ERW	F

10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-20	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-21	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-21	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Mar-21	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Apr-21	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	May-21	ERW	F
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-22	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-22	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-22	ERW	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-22	ERW	F
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-16	ESD	D

10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-16	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-16	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-16	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Sep-16	ESD	D
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10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Oct-16	ESD	D

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10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-16	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-16	ESD	D

10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-16	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Nov-16	ESD	D
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10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-16	ESD	D

10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-16	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-16	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Dec-16	ESD	D
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10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-17	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-17	ESD	D

10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-17	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Jan-17	ESD	D
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10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-17	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-17	ESD	D

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10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-17	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-17	ESD	D
10/4/16	ERCOT South 345KV Hub RT	Peak Futures	Feb-17	ESD	D
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Sep-16	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Oct-16	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Nov-16	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Dec-16	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jan-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Feb-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Mar-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Apr-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	May-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jun-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jul-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Aug-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Sep-17	ETW	F
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10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Nov-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Dec-17	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jan-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Feb-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Mar-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Apr-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	May-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jun-18	ETW	F

10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jul-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Aug-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Sep-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Oct-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Nov-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Dec-18	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jan-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Feb-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Mar-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Apr-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	May-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jun-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jul-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Aug-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Sep-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Oct-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Nov-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Dec-19	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jan-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Feb-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Mar-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Apr-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	May-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jun-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jul-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Aug-20	ETW	F

10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Sep-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Oct-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Nov-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Dec-20	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jan-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Feb-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Mar-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Apr-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	May-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jun-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jul-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Aug-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Sep-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Oct-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Nov-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Dec-21	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jan-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Feb-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Mar-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Apr-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	May-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jun-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Jul-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Aug-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Sep-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Oct-22	ETW	F

10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Nov-22	ETW	F
10/4/16	ERCOT North 345KV Hub RT Mini	Peak Futures	Dec-22	ETW	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Sep-16	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Oct-16	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Nov-16	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Dec-16	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jan-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Feb-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Mar-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Apr-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	May-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jun-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jul-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Aug-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Sep-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Oct-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Nov-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Dec-17	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jan-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Feb-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Mar-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Apr-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	May-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jun-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jul-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Aug-18	ETX	F

10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Sep-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Oct-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Nov-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Dec-18	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jan-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Feb-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Mar-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Apr-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	May-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jun-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jul-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Aug-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Sep-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Oct-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Nov-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Dec-19	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jan-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Feb-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Mar-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Apr-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	May-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jun-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jul-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Aug-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Sep-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Oct-20	ETX	F

10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Nov-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Dec-20	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jan-21	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Feb-21	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Mar-21	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Apr-21	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	May-21	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jun-21	ETX	F
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10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Nov-21	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Dec-21	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jan-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Feb-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Mar-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Apr-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	May-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jun-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Jul-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Aug-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Sep-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Oct-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Nov-22	ETX	F
10/4/16	ERCOT Houston 345KV Hub RT Min	Peak Futures	Dec-22	ETX	F

10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Sep-16	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Oct-16	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Nov-16	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Dec-16	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jan-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Feb-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Mar-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Apr-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	May-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jun-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jul-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Aug-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Sep-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Oct-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Nov-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Dec-17	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jan-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Feb-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Mar-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Apr-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	May-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jun-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jul-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Aug-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Sep-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Oct-18	ETY	F

10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Nov-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Dec-18	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jan-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Feb-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Mar-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Apr-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	May-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jun-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jul-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Aug-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Sep-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Oct-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Nov-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Dec-19	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jan-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Feb-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Mar-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Apr-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	May-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jun-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jul-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Aug-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Sep-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Oct-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Nov-20	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Dec-20	ETY	F

10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jan-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Feb-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Mar-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Apr-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	May-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jun-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jul-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Aug-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Sep-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Oct-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Nov-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Dec-21	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jan-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Feb-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Mar-22	ETY	F
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10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	May-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jun-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Jul-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Aug-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Sep-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Oct-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Nov-22	ETY	F
10/4/16	ERCOT South 345KV Hub RT Mini	Peak Futures	Dec-22	ETY	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Sep-16	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Oct-16	ETZ	F

10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Nov-16	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Dec-16	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jan-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Feb-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Mar-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Apr-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	May-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jun-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jul-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Aug-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Sep-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Oct-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Nov-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Dec-17	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jan-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Feb-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Mar-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Apr-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	May-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jun-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jul-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Aug-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Sep-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Oct-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Nov-18	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Dec-18	ETZ	F

10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jan-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Feb-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Mar-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Apr-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	May-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jun-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jul-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Aug-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Sep-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Oct-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Nov-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Dec-19	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jan-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Feb-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Mar-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Apr-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	May-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jun-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jul-20	ETZ	F
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10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Sep-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Oct-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Nov-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Dec-20	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jan-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Feb-21	ETZ	F

10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Mar-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Apr-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	May-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jun-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jul-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Aug-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Sep-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Oct-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Nov-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Dec-21	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jan-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Feb-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Mar-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Apr-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	May-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jun-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Jul-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Aug-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Sep-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Oct-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Nov-22	ETZ	F
10/4/16	ERCOT West 345KV Hub RT Mini	Peak Futures	Dec-22	ETZ	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-16	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-16	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-16	EVN	F

10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Mar-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Apr-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	May-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jun-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jul-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Aug-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-17	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Mar-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Apr-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	May-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jun-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jul-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Aug-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-18	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-19	EVN	F

10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Mar-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Apr-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	May-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jun-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jul-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Aug-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-19	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Mar-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Apr-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	May-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jun-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jul-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Aug-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-20	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Mar-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Apr-21	EVN	F

10/4/16	ERCOT North 345KV Hub DA	Peak Futures	May-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jun-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jul-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Aug-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-21	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Mar-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Apr-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	May-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jun-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jul-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Aug-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-22	EVN	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-22	EVN	F
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Sep-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D

10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D

10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Oct-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D

10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Nov-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D

10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Dec-16	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D

10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
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10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Jan-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	EWD	D
10/4/16	ERCOT West 345KV Hub RT	Peak Futures	Feb-17	EWD	D
10/4/16	French Grid	French Power Financial Peak Futures	Oct-16	FNA	F

10/4/16	French Grid	French Power Financial Peak Futures	Nov-16	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Dec-16	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jan-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Feb-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Mar-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Apr-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	May-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jun-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jul-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Aug-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Sep-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Oct-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Nov-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Dec-17	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jan-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Feb-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Mar-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Apr-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	May-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jun-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jul-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Aug-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Sep-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Oct-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Nov-18	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Dec-18	FNA	F

10/4/16	French Grid	French Power Financial Peak Futures	Jan-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Feb-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Mar-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Apr-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	May-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jun-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jul-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Aug-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Sep-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Oct-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Nov-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Dec-19	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jan-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Feb-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Mar-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Apr-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	May-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jun-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jul-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Aug-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Sep-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Oct-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Nov-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Dec-20	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jan-21	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Feb-21	FNA	F

10/4/16	French Grid	French Power Financial Peak Futures	Mar-21	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Apr-21	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	May-21	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jun-21	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Jul-21	FNA	F
10/4/16	French Grid	French Power Financial Peak Futures	Aug-21	FNA	F
10/4/16	French Grid	French Power Financial Base Futures	Oct-16	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Nov-16	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Dec-16	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jan-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Feb-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Mar-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Apr-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	May-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jun-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jul-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Aug-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Sep-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Oct-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Nov-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Dec-17	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jan-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Feb-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Mar-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Apr-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	May-18	FNB	F

10/4/16	French Grid	French Power Financial Base Futures	Jun-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jul-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Aug-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Sep-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Oct-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Nov-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Dec-18	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jan-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Feb-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Mar-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Apr-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	May-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jun-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jul-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Aug-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Sep-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Oct-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Nov-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Dec-19	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jan-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Feb-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Mar-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Apr-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	May-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jun-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jul-20	FNB	F

10/4/16	French Grid	French Power Financial Base Futures	Aug-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Sep-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Oct-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Nov-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Dec-20	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jan-21	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Feb-21	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Mar-21	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Apr-21	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	May-21	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jun-21	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Jul-21	FNB	F
10/4/16	French Grid	French Power Financial Base Futures	Aug-21	FNB	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Sep-16	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Dec-16	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jan-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Feb-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Mar-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Apr-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	May-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jun-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jul-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Aug-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Sep-17	FNO	F

10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Dec-17	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jan-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Feb-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Mar-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Apr-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	May-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jun-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jul-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Aug-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Sep-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Dec-18	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jan-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Feb-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Mar-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Apr-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	May-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jun-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jul-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Aug-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Sep-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-19	FNO	F

10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Dec-19	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jan-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Feb-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Mar-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Apr-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	May-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jun-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jul-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Aug-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Sep-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Dec-20	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jan-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Feb-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Mar-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Apr-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	May-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jun-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Jul-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Aug-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Sep-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-21	FNO	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Dec-21	FNO	F
10/4/16	SPP North DA	Peak Futures	Sep-16	FNP	F

10/4/16	SPP North DA	Peak Futures	Oct-16	FNP	F
10/4/16	SPP North DA	Peak Futures	Nov-16	FNP	F
10/4/16	SPP North DA	Peak Futures	Dec-16	FNP	F
10/4/16	SPP North DA	Peak Futures	Jan-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Feb-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Mar-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Apr-17	FNP	F
10/4/16	SPP North DA	Peak Futures	May-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Jun-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Jul-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Aug-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Sep-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Oct-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Nov-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Dec-17	FNP	F
10/4/16	SPP North DA	Peak Futures	Jan-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Feb-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Mar-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Apr-18	FNP	F
10/4/16	SPP North DA	Peak Futures	May-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Jun-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Jul-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Aug-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Sep-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Oct-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Nov-18	FNP	F

10/4/16	SPP North DA	Peak Futures	Dec-18	FNP	F
10/4/16	SPP North DA	Peak Futures	Jan-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Feb-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Mar-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Apr-19	FNP	F
10/4/16	SPP North DA	Peak Futures	May-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Jun-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Jul-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Aug-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Sep-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Oct-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Nov-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Dec-19	FNP	F
10/4/16	SPP North DA	Peak Futures	Jan-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Feb-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Mar-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Apr-20	FNP	F
10/4/16	SPP North DA	Peak Futures	May-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Jun-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Jul-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Aug-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Sep-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Oct-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Nov-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Dec-20	FNP	F
10/4/16	SPP North DA	Peak Futures	Jan-21	FNP	F

10/4/16	SPP North DA	Peak Futures	Feb-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Mar-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Apr-21	FNP	F
10/4/16	SPP North DA	Peak Futures	May-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Jun-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Jul-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Aug-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Sep-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Oct-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Nov-21	FNP	F
10/4/16	SPP North DA	Peak Futures	Dec-21	FNP	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Sep-16	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Dec-16	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jan-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Feb-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Mar-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Apr-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	May-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jun-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jul-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Aug-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Sep-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-17	FSO	F

10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Dec-17	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jan-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Feb-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Mar-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Apr-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	May-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jun-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jul-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Aug-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Sep-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Dec-18	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jan-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Feb-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Mar-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Apr-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	May-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jun-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jul-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Aug-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Sep-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Dec-19	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jan-20	FSO	F

10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Feb-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Mar-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Apr-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	May-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jun-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jul-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Aug-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Sep-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Dec-20	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jan-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Feb-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Mar-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Apr-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	May-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jun-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Jul-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Aug-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Sep-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-21	FSO	F
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Dec-21	FSO	F
10/4/16	SPP South DA	Peak Futures	Sep-16	FSP	F
10/4/16	SPP South DA	Peak Futures	Oct-16	FSP	F
10/4/16	SPP South DA	Peak Futures	Nov-16	FSP	F

10/4/16	SPP South DA	Peak Futures	Dec-16	FSP	F
10/4/16	SPP South DA	Peak Futures	Jan-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Feb-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Mar-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Apr-17	FSP	F
10/4/16	SPP South DA	Peak Futures	May-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Jun-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Jul-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Aug-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Sep-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Oct-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Nov-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Dec-17	FSP	F
10/4/16	SPP South DA	Peak Futures	Jan-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Feb-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Mar-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Apr-18	FSP	F
10/4/16	SPP South DA	Peak Futures	May-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Jun-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Jul-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Aug-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Sep-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Oct-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Nov-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Dec-18	FSP	F
10/4/16	SPP South DA	Peak Futures	Jan-19	FSP	F

10/4/16	SPP South DA	Peak Futures	Feb-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Mar-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Apr-19	FSP	F
10/4/16	SPP South DA	Peak Futures	May-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Jun-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Jul-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Aug-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Sep-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Oct-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Nov-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Dec-19	FSP	F
10/4/16	SPP South DA	Peak Futures	Jan-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Feb-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Mar-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Apr-20	FSP	F
10/4/16	SPP South DA	Peak Futures	May-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Jun-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Jul-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Aug-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Sep-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Oct-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Nov-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Dec-20	FSP	F
10/4/16	SPP South DA	Peak Futures	Jan-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Feb-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Mar-21	FSP	F

10/4/16	SPP South DA	Peak Futures	Apr-21	FSP	F
10/4/16	SPP South DA	Peak Futures	May-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Jun-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Jul-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Aug-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Sep-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Oct-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Nov-21	FSP	F
10/4/16	SPP South DA	Peak Futures	Dec-21	FSP	F
10/4/16	German Grid	German Power Financial Base Futures	Oct-16	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Nov-16	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Dec-16	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jan-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Feb-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Mar-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Apr-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	May-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jun-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jul-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Aug-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Sep-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Oct-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Nov-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Dec-17	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jan-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Feb-18	GAB	F

10/4/16	German Grid	German Power Financial Base Futures	Mar-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Apr-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	May-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jun-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jul-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Aug-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Sep-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Oct-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Nov-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Dec-18	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jan-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Feb-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Mar-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Apr-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	May-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jun-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jul-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Aug-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Sep-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Oct-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Nov-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Dec-19	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jan-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Feb-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Mar-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Apr-20	GAB	F

10/4/16	German Grid	German Power Financial Base Futures	May-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jun-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jul-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Aug-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Sep-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Oct-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Nov-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Dec-20	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jan-21	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Feb-21	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Mar-21	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Apr-21	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	May-21	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jun-21	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Jul-21	GAB	F
10/4/16	German Grid	German Power Financial Base Futures	Aug-21	GAB	F
10/4/16	German Grid	German Power Financial Peak Futures	Oct-16	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Nov-16	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Dec-16	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jan-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Feb-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Mar-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Apr-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	May-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jun-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jul-17	GAP	F

10/4/16	German Grid	German Power Financial Peak Futures	Aug-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Sep-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Oct-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Nov-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Dec-17	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jan-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Feb-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Mar-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Apr-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	May-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jun-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jul-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Aug-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Sep-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Oct-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Nov-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Dec-18	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jan-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Feb-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Mar-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Apr-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	May-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jun-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jul-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Aug-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Sep-19	GAP	F

10/4/16	German Grid	German Power Financial Peak Futures	Oct-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Nov-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Dec-19	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jan-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Feb-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Mar-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Apr-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	May-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jun-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jul-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Aug-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Sep-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Oct-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Nov-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Dec-20	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jan-21	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Feb-21	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Mar-21	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Apr-21	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	May-21	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jun-21	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Jul-21	GAP	F
10/4/16	German Grid	German Power Financial Peak Futures	Aug-21	GAP	F
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D

10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D
10/4/16	NYISO G	Peak Futures	Oct-16	GDP	D

10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D

10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Nov-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D

10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Dec-16	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D

10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jan-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D

10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Feb-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D

10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Mar-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D

10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	Apr-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D

10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D

10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	May-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D

10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jun-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D

10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Jul-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D

10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	NYISO G	Peak Futures	Aug-17	GDP	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Sep-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Sep-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Sep-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Sep-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Sep-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D

10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Oct-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D

10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Nov-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D

10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Dec-16	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D

10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D

10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Jan-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Feb-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Feb-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Feb-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Feb-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Feb-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub DA	Peak Futures	Feb-17	HEA	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-16	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Mar-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Apr-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	May-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jun-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jul-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Aug-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-17	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-17	HEB	F

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Mar-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Apr-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	May-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jun-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jul-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Aug-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-18	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Mar-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Apr-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	May-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jun-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jul-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Aug-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-19	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-20	HEB	F

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Mar-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Apr-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	May-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jun-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jul-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Aug-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-20	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Mar-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Apr-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	May-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jun-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jul-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Aug-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-21	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Mar-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Apr-22	HEB	F

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	May-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jun-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jul-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Aug-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-22	HEB	F
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Sep-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Sep-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Sep-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Sep-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Sep-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D

10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Oct-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D

10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Nov-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D

10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D

10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Dec-16	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D

10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Jan-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Feb-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Feb-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Feb-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Feb-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Feb-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub DA Off-	Off-Peak Futures	Feb-17	HEC	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Sep-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Oct-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Nov-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Dec-16	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D

10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Jan-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-17	HED	D
10/4/16	ERCOT Houston 345KV Hub RT Off-	Off-Peak Futures	Feb-17	HED	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D

10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D

10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZA	D
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-16	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-16	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-16	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Dec-16	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jan-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Feb-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Mar-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Apr-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	May-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jun-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jul-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Aug-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-17	HZB	F

10/4/16	ERCOT Houston LZ DA	Peak Futures	Dec-17	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jan-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Feb-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Mar-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Apr-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	May-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jun-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jul-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Aug-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Dec-18	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jan-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Feb-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Mar-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Apr-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	May-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jun-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Jul-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Aug-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Sep-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Oct-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Nov-19	HZB	F
10/4/16	ERCOT Houston LZ DA	Peak Futures	Dec-19	HZB	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-16	HZC	D

10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D

10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZC	D
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-16	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-16	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-16	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Dec-16	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jan-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Feb-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Mar-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Apr-17	HZD	F

10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	May-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jun-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jul-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Aug-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Dec-17	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jan-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Feb-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Mar-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Apr-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	May-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jun-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jul-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Aug-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Dec-18	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jan-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Feb-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Mar-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Apr-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	May-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jun-19	HZD	F

10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Jul-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Aug-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Sep-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Oct-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Nov-19	HZD	F
10/4/16	ERCOT Houston LZ DA Off-Peak	Off-Peak Futures	Dec-19	HZD	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Sep-16	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Oct-16	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Nov-16	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Dec-16	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jan-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Feb-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Mar-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Apr-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	May-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jun-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jul-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Aug-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Sep-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Oct-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Nov-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Dec-17	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jan-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Feb-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Mar-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Apr-18	ICO	F

10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	May-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jun-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jul-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Aug-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Sep-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Oct-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Nov-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Dec-18	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jan-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Feb-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Mar-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Apr-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	May-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jun-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jul-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Aug-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Sep-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Oct-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Nov-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Dec-19	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jan-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Feb-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Mar-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Apr-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	May-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jun-20	ICO	F

10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Jul-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Aug-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Sep-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Oct-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Nov-20	ICO	F
10/4/16	ISO-NE Con DA Off-Peak	Off-Peak Futures	Dec-20	ICO	F
10/4/16	ISO-NE Con DA	Peak Futures	Sep-16	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Oct-16	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Nov-16	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Dec-16	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jan-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Feb-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Mar-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Apr-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	May-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jun-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jul-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Aug-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Sep-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Oct-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Nov-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Dec-17	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jan-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Feb-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Mar-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Apr-18	ICP	F

10/4/16	ISO-NE Con DA	Peak Futures	May-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jun-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jul-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Aug-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Sep-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Oct-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Nov-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Dec-18	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jan-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Feb-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Mar-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Apr-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	May-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jun-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jul-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Aug-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Sep-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Oct-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Nov-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Dec-19	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jan-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Feb-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Mar-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Apr-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	May-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Jun-20	ICP	F

10/4/16	ISO-NE Con DA	Peak Futures	Jul-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Aug-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Sep-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Oct-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Nov-20	ICP	F
10/4/16	ISO-NE Con DA	Peak Futures	Dec-20	ICP	F
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Sep-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Sep-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Sep-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Sep-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Sep-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Oct-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Nov-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Dec-16	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jan-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Feb-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Mar-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
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10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
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10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
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10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Apr-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	May-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D

10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
10/4/16	Indiana Hub RT (Look Back)	Peak Futures	Jun-17	IDO	D
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10/4/16	Indiana Hub RT	Peak Futures	Sep-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Sep-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D

10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D

10/4/16	Indiana Hub RT	Peak Futures	Oct-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D

10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Nov-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D

10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Dec-16	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D

10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jan-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Feb-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Feb-17	IDP	D

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10/4/16	Indiana Hub RT	Peak Futures	Mar-17	IDP	D

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10/4/16	Indiana Hub RT	Peak Futures	Mar-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D

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10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Apr-17	IDP	D

10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D

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10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	May-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
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10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D

10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	Indiana Hub RT	Peak Futures	Jun-17	IDP	D
10/4/16	ISO-NE Maine DA	Peak Futures	Sep-16	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Oct-16	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Nov-16	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Dec-16	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jan-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Feb-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Mar-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Apr-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	May-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jun-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jul-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Aug-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Sep-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Oct-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Nov-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Dec-17	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jan-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Feb-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Mar-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Apr-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	May-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jun-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jul-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Aug-18	IEB	F

10/4/16	ISO-NE Maine DA	Peak Futures	Sep-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Oct-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Nov-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Dec-18	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jan-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Feb-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Mar-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Apr-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	May-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jun-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jul-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Aug-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Sep-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Oct-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Nov-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Dec-19	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jan-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Feb-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Mar-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Apr-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	May-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jun-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Jul-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Aug-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Sep-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Oct-20	IEB	F

10/4/16	ISO-NE Maine DA	Peak Futures	Nov-20	IEB	F
10/4/16	ISO-NE Maine DA	Peak Futures	Dec-20	IEB	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Sep-16	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Oct-16	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Nov-16	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Dec-16	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jan-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Feb-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Mar-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Apr-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	May-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jun-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jul-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Aug-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Sep-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Oct-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Nov-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Dec-17	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jan-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Feb-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Mar-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Apr-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	May-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jun-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jul-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Aug-18	IED	F

10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Sep-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Oct-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Nov-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Dec-18	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jan-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Feb-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Mar-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Apr-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	May-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jun-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jul-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Aug-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Sep-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Oct-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Nov-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Dec-19	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jan-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Feb-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Mar-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Apr-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	May-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jun-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Jul-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Aug-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Sep-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Oct-20	IED	F

10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Nov-20	IED	F
10/4/16	ISO-NE Maine DA Off-Peak	Off-Peak Futures	Dec-20	IED	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Sep-16	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Oct-16	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Nov-16	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Dec-16	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jan-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Feb-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Mar-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Apr-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	May-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jun-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jul-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Aug-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Sep-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Oct-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Nov-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Dec-17	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jan-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Feb-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Mar-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Apr-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	May-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jun-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jul-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Aug-18	IHB	F

10/4/16	ISO-NE New Hampshire DA	Peak Futures	Sep-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Oct-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Nov-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Dec-18	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jan-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Feb-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Mar-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Apr-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	May-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jun-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jul-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Aug-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Sep-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Oct-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Nov-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Dec-19	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jan-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Feb-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Mar-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Apr-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	May-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jun-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Jul-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Aug-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Sep-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Oct-20	IHB	F

10/4/16	ISO-NE New Hampshire DA	Peak Futures	Nov-20	IHB	F
10/4/16	ISO-NE New Hampshire DA	Peak Futures	Dec-20	IHB	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Sep-16	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Oct-16	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Nov-16	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Dec-16	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jan-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Feb-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Mar-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Apr-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	May-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jun-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jul-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Aug-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Sep-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Oct-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Nov-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Dec-17	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jan-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Feb-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Mar-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Apr-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	May-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jun-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jul-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Aug-18	IHD	F

10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Sep-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Oct-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Nov-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Dec-18	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jan-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Feb-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Mar-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Apr-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	May-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jun-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jul-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Aug-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Sep-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Oct-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Nov-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Dec-19	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jan-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Feb-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Mar-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Apr-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	May-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jun-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Jul-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Aug-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Sep-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Oct-20	IHD	F

10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Nov-20	IHD	F
10/4/16	ISO-NE New Hampshire DA Off-Peal	Off-Peak Futures	Dec-20	IHD	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Nov-16	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Dec-16	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jan-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Feb-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Mar-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Apr-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	May-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jun-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jul-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Aug-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Sep-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Oct-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Nov-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Dec-17	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jan-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Feb-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Mar-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Apr-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	May-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jun-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jul-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Aug-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Sep-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Oct-18	ILB	F

10/4/16	Illinois Basin	Illinois Basin Coal Futures	Nov-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Dec-18	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jan-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Feb-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Mar-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Apr-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	May-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jun-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jul-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Aug-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Sep-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Oct-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Nov-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Dec-19	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jan-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Feb-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Mar-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Apr-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	May-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jun-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Jul-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Aug-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Sep-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Oct-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Nov-20	ILB	F
10/4/16	Illinois Basin	Illinois Basin Coal Futures	Dec-20	ILB	F

10/4/16	ISO-NE SE-Mass DA	Peak Futures	Sep-16	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Oct-16	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Nov-16	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Dec-16	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jan-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Feb-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Mar-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Apr-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	May-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jun-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jul-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Aug-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Sep-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Oct-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Nov-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Dec-17	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jan-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Feb-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Mar-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Apr-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	May-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jun-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jul-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Aug-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Sep-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Oct-18	IMB	F

10/4/16	ISO-NE SE-Mass DA	Peak Futures	Nov-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Dec-18	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jan-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Feb-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Mar-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Apr-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	May-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jun-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jul-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Aug-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Sep-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Oct-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Nov-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Dec-19	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jan-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Feb-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Mar-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Apr-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	May-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jun-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Jul-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Aug-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Sep-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Oct-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Nov-20	IMB	F
10/4/16	ISO-NE SE-Mass DA	Peak Futures	Dec-20	IMB	F

10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Sep-16	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Oct-16	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Nov-16	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Dec-16	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jan-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Feb-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Mar-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Apr-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	May-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jun-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jul-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Aug-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Sep-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Oct-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Nov-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Dec-17	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jan-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Feb-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Mar-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Apr-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	May-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jun-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jul-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Aug-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Sep-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Oct-18	IMD	F

10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Nov-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Dec-18	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jan-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Feb-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Mar-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Apr-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	May-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jun-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jul-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Aug-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Sep-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Oct-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Nov-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Dec-19	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jan-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Feb-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Mar-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Apr-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	May-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jun-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Jul-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Aug-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Sep-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Oct-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Nov-20	IMD	F
10/4/16	ISO-NE SE-Mass DA Off-Peak	Off-Peak Futures	Dec-20	IMD	F

10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-16	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-16	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-16	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-16	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-17	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-18	IMR	F

10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-18	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-19	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-20	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-20	IMR	F

10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-21	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-22	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-23	IMR	F

10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-23	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jan-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Feb-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Mar-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Apr-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	May-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jun-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Jul-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Aug-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Sep-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Oct-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Nov-24	IMR	F
10/4/16	Indiana Hub RT Off-Peak Mini	Off-Peak Futures	Dec-24	IMR	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Sep-16	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Oct-16	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Nov-16	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Dec-16	INB	F

10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jan-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Feb-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Mar-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Apr-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	May-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jun-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jul-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Aug-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Sep-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Oct-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Nov-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Dec-17	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jan-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Feb-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Mar-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Apr-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	May-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jun-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jul-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Aug-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Sep-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Oct-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Nov-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Dec-18	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jan-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Feb-19	INB	F

10/4/16	ISO-NE NE-Mass DA	Peak Futures	Mar-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Apr-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	May-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jun-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jul-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Aug-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Sep-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Oct-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Nov-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Dec-19	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jan-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Feb-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Mar-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Apr-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	May-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jun-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Jul-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Aug-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Sep-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Oct-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Nov-20	INB	F
10/4/16	ISO-NE NE-Mass DA	Peak Futures	Dec-20	INB	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Sep-16	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Oct-16	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Nov-16	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Dec-16	IND	F

10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jan-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Feb-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Mar-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Apr-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	May-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jun-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jul-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Aug-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Sep-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Oct-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Nov-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Dec-17	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jan-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Feb-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Mar-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Apr-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	May-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jun-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jul-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Aug-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Sep-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Oct-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Nov-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Dec-18	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jan-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Feb-19	IND	F

10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Mar-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Apr-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	May-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jun-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jul-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Aug-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Sep-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Oct-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Nov-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Dec-19	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jan-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Feb-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Mar-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Apr-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	May-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jun-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Jul-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Aug-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Sep-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Oct-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Nov-20	IND	F
10/4/16	ISO-NE NE-Mass DA Off-Peak	Off-Peak Futures	Dec-20	IND	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Oct-16	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Nov-16	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Dec-16	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jan-17	INO	F

10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Feb-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Mar-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Apr-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	May-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jun-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jul-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Aug-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Sep-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Oct-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Nov-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Dec-17	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jan-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Feb-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Mar-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Apr-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	May-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jun-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jul-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Aug-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Sep-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Oct-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Nov-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Dec-18	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jan-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Feb-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Mar-19	INO	F

10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Apr-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	May-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jun-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jul-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Aug-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Sep-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Oct-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Nov-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Dec-19	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jan-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Feb-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Mar-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Apr-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	May-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jun-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jul-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Aug-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Sep-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Oct-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Nov-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Dec-20	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jan-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Feb-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Mar-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Apr-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	May-21	INO	F

10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jun-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Jul-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Aug-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Sep-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Oct-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Nov-21	INO	F
10/4/16	Palo Off-Peak Mini	Off-Peak Futures	Dec-21	INO	F
10/4/16	Palo Mini	Peak Futures	Oct-16	INP	F
10/4/16	Palo Mini	Peak Futures	Nov-16	INP	F
10/4/16	Palo Mini	Peak Futures	Dec-16	INP	F
10/4/16	Palo Mini	Peak Futures	Jan-17	INP	F
10/4/16	Palo Mini	Peak Futures	Feb-17	INP	F
10/4/16	Palo Mini	Peak Futures	Mar-17	INP	F
10/4/16	Palo Mini	Peak Futures	Apr-17	INP	F
10/4/16	Palo Mini	Peak Futures	May-17	INP	F
10/4/16	Palo Mini	Peak Futures	Jun-17	INP	F
10/4/16	Palo Mini	Peak Futures	Jul-17	INP	F
10/4/16	Palo Mini	Peak Futures	Aug-17	INP	F
10/4/16	Palo Mini	Peak Futures	Sep-17	INP	F
10/4/16	Palo Mini	Peak Futures	Oct-17	INP	F
10/4/16	Palo Mini	Peak Futures	Nov-17	INP	F
10/4/16	Palo Mini	Peak Futures	Dec-17	INP	F
10/4/16	Palo Mini	Peak Futures	Jan-18	INP	F
10/4/16	Palo Mini	Peak Futures	Feb-18	INP	F
10/4/16	Palo Mini	Peak Futures	Mar-18	INP	F
10/4/16	Palo Mini	Peak Futures	Apr-18	INP	F

10/4/16	Palo Mini	Peak Futures	May-18	INP	F
10/4/16	Palo Mini	Peak Futures	Jun-18	INP	F
10/4/16	Palo Mini	Peak Futures	Jul-18	INP	F
10/4/16	Palo Mini	Peak Futures	Aug-18	INP	F
10/4/16	Palo Mini	Peak Futures	Sep-18	INP	F
10/4/16	Palo Mini	Peak Futures	Oct-18	INP	F
10/4/16	Palo Mini	Peak Futures	Nov-18	INP	F
10/4/16	Palo Mini	Peak Futures	Dec-18	INP	F
10/4/16	Palo Mini	Peak Futures	Jan-19	INP	F
10/4/16	Palo Mini	Peak Futures	Feb-19	INP	F
10/4/16	Palo Mini	Peak Futures	Mar-19	INP	F
10/4/16	Palo Mini	Peak Futures	Apr-19	INP	F
10/4/16	Palo Mini	Peak Futures	May-19	INP	F
10/4/16	Palo Mini	Peak Futures	Jun-19	INP	F
10/4/16	Palo Mini	Peak Futures	Jul-19	INP	F
10/4/16	Palo Mini	Peak Futures	Aug-19	INP	F
10/4/16	Palo Mini	Peak Futures	Sep-19	INP	F
10/4/16	Palo Mini	Peak Futures	Oct-19	INP	F
10/4/16	Palo Mini	Peak Futures	Nov-19	INP	F
10/4/16	Palo Mini	Peak Futures	Dec-19	INP	F
10/4/16	Palo Mini	Peak Futures	Jan-20	INP	F
10/4/16	Palo Mini	Peak Futures	Feb-20	INP	F
10/4/16	Palo Mini	Peak Futures	Mar-20	INP	F
10/4/16	Palo Mini	Peak Futures	Apr-20	INP	F
10/4/16	Palo Mini	Peak Futures	May-20	INP	F
10/4/16	Palo Mini	Peak Futures	Jun-20	INP	F

10/4/16	Palo Mini	Peak Futures	Jul-20	INP	F
10/4/16	Palo Mini	Peak Futures	Aug-20	INP	F
10/4/16	Palo Mini	Peak Futures	Sep-20	INP	F
10/4/16	Palo Mini	Peak Futures	Oct-20	INP	F
10/4/16	Palo Mini	Peak Futures	Nov-20	INP	F
10/4/16	Palo Mini	Peak Futures	Dec-20	INP	F
10/4/16	Palo Mini	Peak Futures	Jan-21	INP	F
10/4/16	Palo Mini	Peak Futures	Feb-21	INP	F
10/4/16	Palo Mini	Peak Futures	Mar-21	INP	F
10/4/16	Palo Mini	Peak Futures	Apr-21	INP	F
10/4/16	Palo Mini	Peak Futures	May-21	INP	F
10/4/16	Palo Mini	Peak Futures	Jun-21	INP	F
10/4/16	Palo Mini	Peak Futures	Jul-21	INP	F
10/4/16	Palo Mini	Peak Futures	Aug-21	INP	F
10/4/16	Palo Mini	Peak Futures	Sep-21	INP	F
10/4/16	Palo Mini	Peak Futures	Oct-21	INP	F
10/4/16	Palo Mini	Peak Futures	Nov-21	INP	F
10/4/16	Palo Mini	Peak Futures	Dec-21	INP	F
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Sep-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D

10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D

10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Oct-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Indiana Hub RT Off-Peak	Off-Peak Futures	Nov-16	IOP	D
10/4/16	Italian Grid	Italian Power Financial Base Futures	Oct-16	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Nov-16	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Dec-16	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jan-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Feb-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Mar-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Apr-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	May-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jun-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jul-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Aug-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Sep-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Oct-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Nov-17	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Dec-17	IPB	F

10/4/16	Italian Grid	Italian Power Financial Base Futures	Jan-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Feb-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Mar-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Apr-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	May-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jun-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jul-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Aug-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Sep-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Oct-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Nov-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Dec-18	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jan-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Feb-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Mar-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Apr-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	May-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jun-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jul-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Aug-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Sep-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Oct-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Nov-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Dec-19	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jan-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Feb-20	IPB	F

10/4/16	Italian Grid	Italian Power Financial Base Futures	Mar-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Apr-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	May-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jun-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jul-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Aug-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Sep-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Oct-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Nov-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Dec-20	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jan-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Feb-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Mar-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Apr-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	May-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jun-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Jul-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Base Futures	Aug-21	IPB	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Oct-16	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Nov-16	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Dec-16	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jan-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Feb-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Mar-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Apr-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	May-17	IPP	F

10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jun-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jul-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Aug-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Sep-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Oct-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Nov-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Dec-17	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jan-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Feb-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Mar-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Apr-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	May-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jun-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jul-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Aug-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Sep-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Oct-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Nov-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Dec-18	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jan-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Feb-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Mar-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Apr-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	May-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jun-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jul-19	IPP	F

10/4/16	Italian Grid	Italian Power Financial Peak Futures	Aug-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Sep-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Oct-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Nov-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Dec-19	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jan-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Feb-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Mar-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Apr-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	May-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jun-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jul-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Aug-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Sep-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Oct-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Nov-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Dec-20	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jan-21	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Feb-21	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Mar-21	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Apr-21	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	May-21	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jun-21	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Jul-21	IPP	F
10/4/16	Italian Grid	Italian Power Financial Peak Futures	Aug-21	IPP	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Sep-16	IWB	F

10/4/16	ISO-NE W Central Mass DA	Peak Futures	Oct-16	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Nov-16	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Dec-16	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jan-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Feb-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Mar-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Apr-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	May-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jun-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jul-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Aug-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Sep-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Oct-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Nov-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Dec-17	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jan-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Feb-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Mar-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Apr-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	May-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jun-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jul-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Aug-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Sep-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Oct-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Nov-18	IWB	F

10/4/16	ISO-NE W Central Mass DA	Peak Futures	Dec-18	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jan-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Feb-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Mar-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Apr-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	May-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jun-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jul-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Aug-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Sep-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Oct-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Nov-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Dec-19	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jan-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Feb-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Mar-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Apr-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	May-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jun-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Jul-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Aug-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Sep-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Oct-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Nov-20	IWB	F
10/4/16	ISO-NE W Central Mass DA	Peak Futures	Dec-20	IWB	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Sep-16	IWD	F

10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Oct-16	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Nov-16	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Dec-16	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jan-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Feb-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Mar-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Apr-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	May-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jun-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jul-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Aug-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Sep-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Oct-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Nov-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Dec-17	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jan-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Feb-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Mar-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Apr-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	May-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jun-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jul-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Aug-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Sep-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Oct-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Nov-18	IWD	F

10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Dec-18	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jan-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Feb-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Mar-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Apr-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	May-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jun-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jul-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Aug-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Sep-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Oct-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Nov-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Dec-19	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jan-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Feb-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Mar-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Apr-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	May-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jun-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Jul-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Aug-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Sep-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Oct-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Nov-20	IWD	F
10/4/16	ISO-NE W Central Mass DA Off-Peal	Off-Peak Futures	Dec-20	IWD	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D

10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D

10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCA	D
10/4/16	PJM JCPL Zone DA	Peak Futures	Sep-16	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-16	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-16	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Dec-16	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jan-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Feb-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Mar-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Apr-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	May-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jun-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jul-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Aug-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Sep-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-17	JCB	F

10/4/16	PJM JCPL Zone DA	Peak Futures	Dec-17	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jan-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Feb-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Mar-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Apr-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	May-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jun-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jul-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Aug-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Sep-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Dec-18	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jan-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Feb-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Mar-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Apr-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	May-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jun-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jul-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Aug-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Sep-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Dec-19	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jan-20	JCB	F

10/4/16	PJM JCPL Zone DA	Peak Futures	Feb-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Mar-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Apr-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	May-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jun-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Jul-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Aug-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Sep-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Oct-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Nov-20	JCB	F
10/4/16	PJM JCPL Zone DA	Peak Futures	Dec-20	JCB	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D

10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCC	D
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Sep-16	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-16	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-16	JCD	F

10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Dec-16	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jan-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Feb-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Mar-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Apr-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	May-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jun-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jul-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Aug-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Sep-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Dec-17	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jan-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Feb-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Mar-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Apr-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	May-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jun-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jul-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Aug-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Sep-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Dec-18	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jan-19	JCD	F

10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Feb-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Mar-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Apr-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	May-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jun-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jul-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Aug-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Sep-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Dec-19	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jan-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Feb-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Mar-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Apr-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	May-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jun-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Jul-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Aug-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Sep-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Oct-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Nov-20	JCD	F
10/4/16	PJM JCPL Zone DA Off-Peak	Off-Peak Futures	Dec-20	JCD	F
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D

10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D
10/4/16	NYISO J	Peak Futures	Oct-16	JDP	D

10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	NYISO J	Peak Futures	Nov-16	JDP	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Sep-16	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Dec-16	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Jan-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Feb-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Mar-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Apr-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	May-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Jun-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Jul-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Aug-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Sep-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Dec-17	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Jan-18	LFO	F

10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Feb-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Mar-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Apr-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	May-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Jun-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Jul-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Aug-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Sep-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-18	LFO	F
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Dec-18	LFO	F
10/4/16	LA Hub DA	Peak Futures	Sep-16	LFP	F
10/4/16	LA Hub DA	Peak Futures	Oct-16	LFP	F
10/4/16	LA Hub DA	Peak Futures	Nov-16	LFP	F
10/4/16	LA Hub DA	Peak Futures	Dec-16	LFP	F
10/4/16	LA Hub DA	Peak Futures	Jan-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Feb-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Mar-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Apr-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	May-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Jun-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Jul-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Aug-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Sep-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Oct-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Nov-17	LFP	F

10/4/16	LA Hub DA	Peak Futures	Dec-17	LFP	F
10/4/16	LA Hub DA	Peak Futures	Jan-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Feb-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Mar-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Apr-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	May-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Jun-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Jul-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Aug-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Sep-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Oct-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Nov-18	LFP	F
10/4/16	LA Hub DA	Peak Futures	Dec-18	LFP	F
10/4/16	SREC-MA II V20	SREC-MA Futures	Jul-20	MA0	F
10/4/16	SREC-MA II V20	SREC-MA Futures	Aug-20	MA0	F
10/4/16	SREC-MA II V20	SREC-MA Futures	Oct-20	MA0	F
10/4/16	SREC-MA II V20	SREC-MA Futures	Jan-21	MA0	F
10/4/16	SREC-MA II V20	SREC-MA Futures	Apr-21	MA0	F
10/4/16	SREC-MA II V20	SREC-MA Futures	May-21	MA0	F
10/4/16	SREC-MA II V21	SREC-MA Futures	Jul-21	MA1	F
10/4/16	SREC-MA II V21	SREC-MA Futures	Aug-21	MA1	F
10/4/16	SREC-MA II V21	SREC-MA Futures	Oct-21	MA1	F
10/4/16	SREC-MA II V21	SREC-MA Futures	Jan-22	MA1	F
10/4/16	SREC-MA II V21	SREC-MA Futures	Apr-22	MA1	F
10/4/16	SREC-MA II V21	SREC-MA Futures	May-22	MA1	F
10/4/16	SREC-MA II V22	SREC-MA Futures	Jul-22	MA2	F

10/4/16	SREC-MA II V22	SREC-MA Futures	Aug-22	MA2	F
10/4/16	SREC-MA II V22	SREC-MA Futures	Oct-22	MA2	F
10/4/16	SREC-MA II V22	SREC-MA Futures	Jan-23	MA2	F
10/4/16	SREC-MA II V22	SREC-MA Futures	Apr-23	MA2	F
10/4/16	SREC-MA II V22	SREC-MA Futures	May-23	MA2	F
10/4/16	SREC-MA II V23	SREC-MA Futures	Jul-23	MA3	F
10/4/16	SREC-MA II V23	SREC-MA Futures	Aug-23	MA3	F
10/4/16	SREC-MA II V23	SREC-MA Futures	Oct-23	MA3	F
10/4/16	SREC-MA II V23	SREC-MA Futures	Jan-24	MA3	F
10/4/16	SREC-MA II V23	SREC-MA Futures	Apr-24	MA3	F
10/4/16	SREC-MA II V23	SREC-MA Futures	May-24	MA3	F
10/4/16	SREC-MA II V16	SREC-MA Futures	Oct-16	MA6	F
10/4/16	SREC-MA II V16	SREC-MA Futures	Jan-17	MA6	F
10/4/16	SREC-MA II V16	SREC-MA Futures	Apr-17	MA6	F
10/4/16	SREC-MA II V16	SREC-MA Futures	May-17	MA6	F
10/4/16	SREC-MA II V17	SREC-MA Futures	Jul-17	MA7	F
10/4/16	SREC-MA II V17	SREC-MA Futures	Aug-17	MA7	F
10/4/16	SREC-MA II V17	SREC-MA Futures	Oct-17	MA7	F
10/4/16	SREC-MA II V17	SREC-MA Futures	Jan-18	MA7	F
10/4/16	SREC-MA II V17	SREC-MA Futures	Apr-18	MA7	F
10/4/16	SREC-MA II V17	SREC-MA Futures	May-18	MA7	F
10/4/16	SREC-MA II V18	SREC-MA Futures	Jul-18	MA8	F
10/4/16	SREC-MA II V18	SREC-MA Futures	Aug-18	MA8	F
10/4/16	SREC-MA II V18	SREC-MA Futures	Oct-18	MA8	F
10/4/16	SREC-MA II V18	SREC-MA Futures	Jan-19	MA8	F
10/4/16	SREC-MA II V18	SREC-MA Futures	Apr-19	MA8	F

10/4/16	SREC-MA II V18	SREC-MA Futures	May-19	MA8	F
10/4/16	SREC-MA II V19	SREC-MA Futures	Jul-19	MA9	F
10/4/16	SREC-MA II V19	SREC-MA Futures	Aug-19	MA9	F
10/4/16	SREC-MA II V19	SREC-MA Futures	Oct-19	MA9	F
10/4/16	SREC-MA II V19	SREC-MA Futures	Jan-20	MA9	F
10/4/16	SREC-MA II V19	SREC-MA Futures	Apr-20	MA9	F
10/4/16	SREC-MA II V19	SREC-MA Futures	May-20	MA9	F
10/4/16	REC-MA C1 V20	REC-MA Futures	Apr-21	MB0	F
10/4/16	REC-MA C1 V20	REC-MA Futures	May-21	MB0	F
10/4/16	REC-MA C1 V21	REC-MA Futures	Apr-22	MB1	F
10/4/16	REC-MA C1 V21	REC-MA Futures	May-22	MB1	F
10/4/16	REC-MA C1 V22	REC-MA Futures	Apr-23	MB2	F
10/4/16	REC-MA C1 V22	REC-MA Futures	May-23	MB2	F
10/4/16	REC-MA C1 V23	REC-MA Futures	Apr-24	MB3	F
10/4/16	REC-MA C1 V23	REC-MA Futures	May-24	MB3	F
10/4/16	REC-MA C1 V16	REC-MA Futures	Apr-17	MB6	F
10/4/16	REC-MA C1 V16	REC-MA Futures	May-17	MB6	F
10/4/16	REC-MA C1 V17	REC-MA Futures	Apr-18	MB7	F
10/4/16	REC-MA C1 V17	REC-MA Futures	May-18	MB7	F
10/4/16	REC-MA C1 V18	REC-MA Futures	Jul-18	MB8	F
10/4/16	REC-MA C1 V18	REC-MA Futures	Aug-18	MB8	F
10/4/16	REC-MA C1 V18	REC-MA Futures	Apr-19	MB8	F
10/4/16	REC-MA C1 V18	REC-MA Futures	May-19	MB8	F
10/4/16	REC-MA C1 V19	REC-MA Futures	Apr-20	MB9	F
10/4/16	REC-MA C1 V19	REC-MA Futures	May-20	MB9	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-16	MCC	F

10/4/16	Indiana Hub DA	Peak Futures	Oct-16	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-16	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-16	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Feb-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Apr-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-17	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Feb-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Apr-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-18	MCC	F

10/4/16	Indiana Hub DA	Peak Futures	Dec-18	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Feb-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Apr-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-19	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Feb-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Apr-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-20	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-21	MCC	F

10/4/16	Indiana Hub DA	Peak Futures	Feb-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Apr-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-21	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Feb-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Apr-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-22	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Feb-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-23	MCC	F

10/4/16	Indiana Hub DA	Peak Futures	Apr-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-23	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jan-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Feb-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Mar-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Apr-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	May-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jun-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Jul-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Aug-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Sep-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Nov-24	MCC	F
10/4/16	Indiana Hub DA	Peak Futures	Dec-24	MCC	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-16	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-16	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-17	MCD	F

10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-17	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-18	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-19	MCD	F

10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-19	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-20	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-21	MCD	F

10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-21	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-22	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-23	MCD	F

10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-23	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jan-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Feb-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Mar-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Apr-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	May-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jun-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Jul-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Aug-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Sep-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-24	MCD	F
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Dec-24	MCD	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-16	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-16	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-16	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-16	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-17	MCG	F

10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-17	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-18	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-19	MCG	F

10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-19	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-20	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-21	MCG	F

10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-21	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-22	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-23	MCG	F

10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-23	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jan-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Feb-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Mar-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Apr-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	May-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jun-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Jul-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Aug-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Sep-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Oct-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Nov-24	MCG	F
10/4/16	Indiana Hub RT Mini	Peak Futures	Dec-24	MCG	F
10/4/16	SREC-MD V16	SREC-MD Futures	Jan-17	MD6	F
10/4/16	SREC-MD V16	SREC-MD Futures	Feb-17	MD6	F
10/4/16	SREC-MD V17	SREC-MD Futures	Jun-17	MD7	F
10/4/16	SREC-MD V17	SREC-MD Futures	Jul-17	MD7	F
10/4/16	SREC-MD V17	SREC-MD Futures	Jan-18	MD7	F
10/4/16	SREC-MD V17	SREC-MD Futures	Feb-18	MD7	F
10/4/16	SREC-MD V18	SREC-MD Futures	Jun-18	MD8	F
10/4/16	SREC-MD V18	SREC-MD Futures	Jul-18	MD8	F
10/4/16	SREC-MD V18	SREC-MD Futures	Jan-19	MD8	F
10/4/16	SREC-MD V18	SREC-MD Futures	Feb-19	MD8	F
10/4/16	SREC-MD V19	SREC-MD Futures	Jun-19	MD9	F
10/4/16	SREC-MD V19	SREC-MD Futures	Jul-19	MD9	F
10/4/16	SREC-MD V19	SREC-MD Futures	Jan-20	MD9	F

10/4/16	SREC-MD V19	SREC-MD Futures	Feb-20	MD9	F
10/4/16	Indiana Hub DA	Peak Futures	Oct-16	MDA	D
10/4/16	Indiana Hub DA	Peak Futures	Oct-16	MDA	D
10/4/16	Indiana Hub DA	Peak Futures	Oct-16	MDA	D
10/4/16	Indiana Hub DA	Peak Futures	Oct-16	MDA	D
10/4/16	Indiana Hub DA	Peak Futures	Oct-16	MDA	D
10/4/16	Indiana Hub DA	Peak Futures	Oct-16	MDA	D
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10/4/16	Indiana Hub DA	Peak Futures	Jan-17	MDA	D
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10/4/16	Indiana Hub DA	Peak Futures	Feb-17	MDA	D
10/4/16	Indiana Hub DA	Peak Futures	Feb-17	MDA	D
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10/4/16	Indiana Hub DA	Peak Futures	Jun-17	MDA	D
10/4/16	Indiana Hub DA	Peak Futures	Jun-17	MDA	D
10/4/16	Mid C	Peak Futures	Oct-16	MDC	F
10/4/16	Mid C	Peak Futures	Nov-16	MDC	F
10/4/16	Mid C	Peak Futures	Dec-16	MDC	F
10/4/16	Mid C	Peak Futures	Jan-17	MDC	F
10/4/16	Mid C	Peak Futures	Feb-17	MDC	F
10/4/16	Mid C	Peak Futures	Mar-17	MDC	F
10/4/16	Mid C	Peak Futures	Apr-17	MDC	F
10/4/16	Mid C	Peak Futures	May-17	MDC	F
10/4/16	Mid C	Peak Futures	Jun-17	MDC	F
10/4/16	Mid C	Peak Futures	Jul-17	MDC	F
10/4/16	Mid C	Peak Futures	Aug-17	MDC	F
10/4/16	Mid C	Peak Futures	Sep-17	MDC	F
10/4/16	Mid C	Peak Futures	Oct-17	MDC	F
10/4/16	Mid C	Peak Futures	Nov-17	MDC	F
10/4/16	Mid C	Peak Futures	Dec-17	MDC	F
10/4/16	Mid C	Peak Futures	Jan-18	MDC	F
10/4/16	Mid C	Peak Futures	Feb-18	MDC	F
10/4/16	Mid C	Peak Futures	Mar-18	MDC	F
10/4/16	Mid C	Peak Futures	Apr-18	MDC	F
10/4/16	Mid C	Peak Futures	May-18	MDC	F
10/4/16	Mid C	Peak Futures	Jun-18	MDC	F

10/4/16	Mid C	Peak Futures	Jul-18	MDC	F
10/4/16	Mid C	Peak Futures	Aug-18	MDC	F
10/4/16	Mid C	Peak Futures	Sep-18	MDC	F
10/4/16	Mid C	Peak Futures	Oct-18	MDC	F
10/4/16	Mid C	Peak Futures	Nov-18	MDC	F
10/4/16	Mid C	Peak Futures	Dec-18	MDC	F
10/4/16	Mid C	Peak Futures	Jan-19	MDC	F
10/4/16	Mid C	Peak Futures	Feb-19	MDC	F
10/4/16	Mid C	Peak Futures	Mar-19	MDC	F
10/4/16	Mid C	Peak Futures	Apr-19	MDC	F
10/4/16	Mid C	Peak Futures	May-19	MDC	F
10/4/16	Mid C	Peak Futures	Jun-19	MDC	F
10/4/16	Mid C	Peak Futures	Jul-19	MDC	F
10/4/16	Mid C	Peak Futures	Aug-19	MDC	F
10/4/16	Mid C	Peak Futures	Sep-19	MDC	F
10/4/16	Mid C	Peak Futures	Oct-19	MDC	F
10/4/16	Mid C	Peak Futures	Nov-19	MDC	F
10/4/16	Mid C	Peak Futures	Dec-19	MDC	F
10/4/16	Mid C	Peak Futures	Jan-20	MDC	F
10/4/16	Mid C	Peak Futures	Feb-20	MDC	F
10/4/16	Mid C	Peak Futures	Mar-20	MDC	F
10/4/16	Mid C	Peak Futures	Apr-20	MDC	F
10/4/16	Mid C	Peak Futures	May-20	MDC	F
10/4/16	Mid C	Peak Futures	Jun-20	MDC	F
10/4/16	Mid C	Peak Futures	Jul-20	MDC	F
10/4/16	Mid C	Peak Futures	Aug-20	MDC	F

10/4/16	Mid C	Peak Futures	Sep-20	MDC	F
10/4/16	Mid C	Peak Futures	Oct-20	MDC	F
10/4/16	Mid C	Peak Futures	Nov-20	MDC	F
10/4/16	Mid C	Peak Futures	Dec-20	MDC	F
10/4/16	Mid C	Peak Futures	Jan-21	MDC	F
10/4/16	Mid C	Peak Futures	Feb-21	MDC	F
10/4/16	Mid C	Peak Futures	Mar-21	MDC	F
10/4/16	Mid C	Peak Futures	Apr-21	MDC	F
10/4/16	Mid C	Peak Futures	May-21	MDC	F
10/4/16	Mid C	Peak Futures	Jun-21	MDC	F
10/4/16	Mid C	Peak Futures	Jul-21	MDC	F
10/4/16	Mid C	Peak Futures	Aug-21	MDC	F
10/4/16	Mid C	Peak Futures	Sep-21	MDC	F
10/4/16	Mid C	Peak Futures	Oct-21	MDC	F
10/4/16	Mid C	Peak Futures	Nov-21	MDC	F
10/4/16	Mid C	Peak Futures	Dec-21	MDC	F
10/4/16	Mid C	Peak Futures	Jan-22	MDC	F
10/4/16	Mid C	Peak Futures	Feb-22	MDC	F
10/4/16	Mid C	Peak Futures	Mar-22	MDC	F
10/4/16	Mid C	Peak Futures	Apr-22	MDC	F
10/4/16	Mid C	Peak Futures	May-22	MDC	F
10/4/16	Mid C	Peak Futures	Jun-22	MDC	F
10/4/16	Mid C	Peak Futures	Jul-22	MDC	F
10/4/16	Mid C	Peak Futures	Aug-22	MDC	F
10/4/16	Mid C	Peak Futures	Sep-22	MDC	F
10/4/16	Mid C	Peak Futures	Oct-22	MDC	F

10/4/16	Mid C	Peak Futures	Nov-22	MDC	F
10/4/16	Mid C	Peak Futures	Dec-22	MDC	F
10/4/16	Mid C	Peak Futures	Jan-23	MDC	F
10/4/16	Mid C	Peak Futures	Feb-23	MDC	F
10/4/16	Mid C	Peak Futures	Mar-23	MDC	F
10/4/16	Mid C	Peak Futures	Apr-23	MDC	F
10/4/16	Mid C	Peak Futures	May-23	MDC	F
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10/4/16	Mid C	Peak Futures	Jul-23	MDC	F
10/4/16	Mid C	Peak Futures	Aug-23	MDC	F
10/4/16	Mid C	Peak Futures	Sep-23	MDC	F
10/4/16	Mid C	Peak Futures	Oct-23	MDC	F
10/4/16	Mid C	Peak Futures	Nov-23	MDC	F
10/4/16	Mid C	Peak Futures	Dec-23	MDC	F
10/4/16	Mid C	Peak Futures	Jan-24	MDC	F
10/4/16	Mid C	Peak Futures	Feb-24	MDC	F
10/4/16	Mid C	Peak Futures	Mar-24	MDC	F
10/4/16	Mid C	Peak Futures	Apr-24	MDC	F
10/4/16	Mid C	Peak Futures	May-24	MDC	F
10/4/16	Mid C	Peak Futures	Jun-24	MDC	F
10/4/16	Mid C	Peak Futures	Jul-24	MDC	F
10/4/16	Mid C	Peak Futures	Aug-24	MDC	F
10/4/16	Mid C	Peak Futures	Sep-24	MDC	F
10/4/16	Mid C	Peak Futures	Oct-24	MDC	F
10/4/16	Mid C	Peak Futures	Nov-24	MDC	F
10/4/16	Mid C	Peak Futures	Dec-24	MDC	F

10/4/16	Mid C	Peak Futures	Jan-25	MDC	F
10/4/16	Mid C	Peak Futures	Feb-25	MDC	F
10/4/16	Mid C	Peak Futures	Mar-25	MDC	F
10/4/16	Mid C	Peak Futures	Apr-25	MDC	F
10/4/16	Mid C	Peak Futures	May-25	MDC	F
10/4/16	Mid C	Peak Futures	Jun-25	MDC	F
10/4/16	Mid C	Peak Futures	Jul-25	MDC	F
10/4/16	Mid C	Peak Futures	Aug-25	MDC	F
10/4/16	Mid C	Peak Futures	Sep-25	MDC	F
10/4/16	Mid C	Peak Futures	Oct-25	MDC	F
10/4/16	Mid C	Peak Futures	Nov-25	MDC	F
10/4/16	Mid C	Peak Futures	Dec-25	MDC	F
10/4/16	Mid C	Peak Futures	Jan-26	MDC	F
10/4/16	Mid C	Peak Futures	Feb-26	MDC	F
10/4/16	Mid C	Peak Futures	Mar-26	MDC	F
10/4/16	Mid C	Peak Futures	Apr-26	MDC	F
10/4/16	Mid C	Peak Futures	May-26	MDC	F
10/4/16	Mid C	Peak Futures	Jun-26	MDC	F
10/4/16	Mid C	Peak Futures	Jul-26	MDC	F
10/4/16	Mid C	Peak Futures	Aug-26	MDC	F
10/4/16	Mid C	Peak Futures	Sep-26	MDC	F
10/4/16	Mid C	Peak Futures	Oct-26	MDC	F
10/4/16	Mid C	Peak Futures	Nov-26	MDC	F
10/4/16	Mid C	Peak Futures	Dec-26	MDC	F
10/4/16	Mid C Mini	Peak Futures	Oct-16	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-16	MDF	F

10/4/16	Mid C Mini	Peak Futures	Dec-16	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-17	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-18	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-19	MDF	F

10/4/16	Mid C Mini	Peak Futures	Feb-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-19	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-20	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-21	MDF	F

10/4/16	Mid C Mini	Peak Futures	Apr-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-21	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-22	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-23	MDF	F

10/4/16	Mid C Mini	Peak Futures	Jun-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-23	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-24	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-25	MDF	F

10/4/16	Mid C Mini	Peak Futures	Aug-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-25	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jan-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Feb-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Mar-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Apr-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	May-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jun-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Jul-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Aug-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Sep-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Oct-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Nov-26	MDF	F
10/4/16	Mid C Mini	Peak Futures	Dec-26	MDF	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Sep-16	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Dec-16	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jan-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Feb-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Mar-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Apr-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	May-17	MDO	F

10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jun-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jul-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Aug-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Sep-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Oct-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Nov-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Dec-17	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jan-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Feb-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Mar-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Apr-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	May-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jun-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jul-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Aug-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Sep-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Oct-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Nov-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Dec-18	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jan-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Feb-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Mar-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Apr-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	May-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jun-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jul-19	MDO	F

10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Aug-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Sep-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Oct-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Nov-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Dec-19	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jan-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Feb-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Mar-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Apr-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	May-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jun-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jul-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Aug-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Sep-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Oct-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Nov-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Dec-20	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jan-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Feb-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Mar-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Apr-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	May-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jun-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Jul-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Aug-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Sep-21	MDO	F

10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Oct-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Nov-21	MDO	F
10/4/16	Minn Hub DA Off-Peak	Off-Peak Futures	Dec-21	MDO	F
10/4/16	Minn Hub DA	Peak Futures	Sep-16	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Oct-16	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Nov-16	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Dec-16	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jan-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Feb-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Mar-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Apr-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	May-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jun-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jul-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Aug-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Sep-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Oct-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Nov-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Dec-17	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jan-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Feb-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Mar-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Apr-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	May-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jun-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jul-18	MDP	F

10/4/16	Minn Hub DA	Peak Futures	Aug-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Sep-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Oct-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Nov-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Dec-18	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jan-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Feb-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Mar-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Apr-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	May-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jun-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jul-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Aug-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Sep-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Oct-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Nov-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Dec-19	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jan-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Feb-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Mar-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Apr-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	May-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jun-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jul-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Aug-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Sep-20	MDP	F

10/4/16	Minn Hub DA	Peak Futures	Oct-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Nov-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Dec-20	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jan-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Feb-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Mar-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Apr-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	May-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jun-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Jul-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Aug-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Sep-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Oct-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Nov-21	MDP	F
10/4/16	Minn Hub DA	Peak Futures	Dec-21	MDP	F
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D

10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Oct-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D

10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA	Peak Futures	Nov-16	MDR	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D

10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MDS	D
10/4/16	Mich Hub DA	Peak Futures	Sep-16	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Oct-16	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Nov-16	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Dec-16	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jan-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Feb-17	MGP	F

10/4/16	Mich Hub DA	Peak Futures	Mar-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Apr-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	May-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jun-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jul-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Aug-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Sep-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Oct-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Nov-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Dec-17	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jan-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Feb-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Mar-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Apr-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	May-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jun-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jul-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Aug-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Sep-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Oct-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Nov-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Dec-18	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jan-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Feb-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Mar-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Apr-19	MGP	F

10/4/16	Mich Hub DA	Peak Futures	May-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jun-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Jul-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Aug-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Sep-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Oct-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Nov-19	MGP	F
10/4/16	Mich Hub DA	Peak Futures	Dec-19	MGP	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Sep-16	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Oct-16	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Nov-16	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Dec-16	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jan-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Feb-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Mar-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Apr-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	May-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jun-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jul-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Aug-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Sep-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Oct-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Nov-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Dec-17	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jan-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Feb-18	MGQ	F

10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Mar-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Apr-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	May-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jun-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jul-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Aug-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Sep-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Oct-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Nov-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Dec-18	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jan-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Feb-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Mar-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Apr-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	May-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jun-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Jul-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Aug-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Sep-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Oct-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Nov-19	MGQ	F
10/4/16	Mich Hub DA Off-Peak	Off-Peak Futures	Dec-19	MGQ	F
10/4/16	Illinois Hub DA	Peak Futures	Sep-16	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Oct-16	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Nov-16	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Dec-16	MLB	F

10/4/16	Illinois Hub DA	Peak Futures	Jan-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Feb-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Mar-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Apr-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	May-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Jun-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Jul-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Aug-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Sep-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Oct-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Nov-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Dec-17	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Jan-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Feb-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Mar-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Apr-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	May-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Jun-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Jul-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Aug-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Sep-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Oct-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Nov-18	MLB	F
10/4/16	Illinois Hub DA	Peak Futures	Dec-18	MLB	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Sep-16	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLD	F

10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Dec-16	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Jan-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Feb-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Mar-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Apr-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	May-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Jun-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Jul-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Aug-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Sep-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Oct-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Nov-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Dec-17	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Jan-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Feb-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Mar-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Apr-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	May-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Jun-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Jul-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Aug-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Sep-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Oct-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Nov-18	MLD	F
10/4/16	Illinois Hub DA Off-Peak	Off-Peak Futures	Dec-18	MLD	F

10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D

10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Oct-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA	Peak Futures	Nov-16	MLQ	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D

10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Oct-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D

10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	LA Hub DA Off-Peak	Off-Peak Futures	Nov-16	MLR	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D

10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Oct-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	Indiana Hub DA Off-Peak	Off-Peak Futures	Nov-16	MOD	D
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-16	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-16	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-16	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-16	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-17	MOR	F

10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-17	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-18	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-19	MOR	F

10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-19	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-20	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-21	MOR	F

10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-21	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-22	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-23	MOR	F

10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-23	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jan-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Feb-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Mar-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Apr-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	May-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jun-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Jul-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Aug-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Sep-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Oct-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Nov-24	MOR	F
10/4/16	AD Hub RT Off-Peak Mini	Off-Peak Futures	Dec-24	MOR	F
10/4/16	Mid C (Daily)	Peak Futures	Oct-16	MPD	D
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10/4/16	Mid C (Daily)	Peak Futures	Oct-16	MPD	D
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10/4/16	Mid C (Daily)	Peak Futures	Nov-16	MPD	D

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10/4/16	Mid C (Daily)	Peak Futures	Nov-16	MPD	D
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10/4/16	Mid C (Daily)	Peak Futures	Jan-17	MPD	D

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10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
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10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	May-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D

10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jun-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D

10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D

10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Jul-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D

10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Aug-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D

10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Sep-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Oct-17	MPD	D
10/4/16	Mid C (Daily)	Peak Futures	Oct-17	MPD	D
10/4/16	SREC-MA V20	SREC-MA Futures	Jul-20	MQ0	F
10/4/16	SREC-MA V20	SREC-MA Futures	Aug-20	MQ0	F
10/4/16	SREC-MA V20	SREC-MA Futures	Oct-20	MQ0	F
10/4/16	SREC-MA V20	SREC-MA Futures	Jan-21	MQ0	F
10/4/16	SREC-MA V20	SREC-MA Futures	Apr-21	MQ0	F
10/4/16	SREC-MA V20	SREC-MA Futures	May-21	MQ0	F
10/4/16	SREC-MA V21	SREC-MA Futures	Jul-21	MQ1	F
10/4/16	SREC-MA V21	SREC-MA Futures	Aug-21	MQ1	F
10/4/16	SREC-MA V21	SREC-MA Futures	Oct-21	MQ1	F
10/4/16	SREC-MA V21	SREC-MA Futures	Jan-22	MQ1	F
10/4/16	SREC-MA V21	SREC-MA Futures	Apr-22	MQ1	F
10/4/16	SREC-MA V21	SREC-MA Futures	May-22	MQ1	F

10/4/16	SREC-MA V22	SREC-MA Futures	Jul-22	MQ2	F
10/4/16	SREC-MA V22	SREC-MA Futures	Aug-22	MQ2	F
10/4/16	SREC-MA V22	SREC-MA Futures	Oct-22	MQ2	F
10/4/16	SREC-MA V22	SREC-MA Futures	Jan-23	MQ2	F
10/4/16	SREC-MA V22	SREC-MA Futures	Apr-23	MQ2	F
10/4/16	SREC-MA V22	SREC-MA Futures	May-23	MQ2	F
10/4/16	SREC-MA V23	SREC-MA Futures	Jul-23	MQ3	F
10/4/16	SREC-MA V23	SREC-MA Futures	Aug-23	MQ3	F
10/4/16	SREC-MA V23	SREC-MA Futures	Oct-23	MQ3	F
10/4/16	SREC-MA V23	SREC-MA Futures	Jan-24	MQ3	F
10/4/16	SREC-MA V23	SREC-MA Futures	Apr-24	MQ3	F
10/4/16	SREC-MA V23	SREC-MA Futures	May-24	MQ3	F
10/4/16	SREC-MA V16	SREC-MA Futures	Apr-17	MQ6	F
10/4/16	SREC-MA V16	SREC-MA Futures	May-17	MQ6	F
10/4/16	SREC-MA V17	SREC-MA Futures	Jul-17	MQ7	F
10/4/16	SREC-MA V17	SREC-MA Futures	Aug-17	MQ7	F
10/4/16	SREC-MA V17	SREC-MA Futures	Oct-17	MQ7	F
10/4/16	SREC-MA V17	SREC-MA Futures	Jan-18	MQ7	F
10/4/16	SREC-MA V17	SREC-MA Futures	Apr-18	MQ7	F
10/4/16	SREC-MA V17	SREC-MA Futures	May-18	MQ7	F
10/4/16	SREC-MA V18	SREC-MA Futures	Jul-18	MQ8	F
10/4/16	SREC-MA V18	SREC-MA Futures	Aug-18	MQ8	F
10/4/16	SREC-MA V18	SREC-MA Futures	Oct-18	MQ8	F
10/4/16	SREC-MA V18	SREC-MA Futures	Jan-19	MQ8	F
10/4/16	SREC-MA V18	SREC-MA Futures	Apr-19	MQ8	F
10/4/16	SREC-MA V18	SREC-MA Futures	May-19	MQ8	F

10/4/16	SREC-MA V19	SREC-MA Futures	Jul-19	MQ9	F
10/4/16	SREC-MA V19	SREC-MA Futures	Aug-19	MQ9	F
10/4/16	SREC-MA V19	SREC-MA Futures	Oct-19	MQ9	F
10/4/16	SREC-MA V19	SREC-MA Futures	Jan-20	MQ9	F
10/4/16	SREC-MA V19	SREC-MA Futures	Apr-20	MQ9	F
10/4/16	SREC-MA V19	SREC-MA Futures	May-20	MQ9	F
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D

10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Oct-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA	Peak Futures	Nov-16	MRD	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D

10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D

10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Oct-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	Arkansas Hub DA Off-Peak	Off-Peak Futures	Nov-16	MRE	D
10/4/16	AD Hub RT	Peak Futures	Sep-16	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-16	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-16	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-16	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Feb-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Apr-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jun-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-17	MSO	F

10/4/16	AD Hub RT	Peak Futures	Dec-17	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Feb-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Apr-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jun-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-18	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Feb-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Apr-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jun-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-19	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-20	MSO	F

10/4/16	AD Hub RT	Peak Futures	Feb-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Apr-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jun-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-20	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Feb-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Apr-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jun-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-21	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Feb-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-22	MSO	F

10/4/16	AD Hub RT	Peak Futures	Apr-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jun-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-22	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Feb-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Apr-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jun-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-23	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jan-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Feb-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Mar-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Apr-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	May-24	MSO	F

10/4/16	AD Hub RT	Peak Futures	Jun-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Jul-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Aug-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Sep-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Oct-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Nov-24	MSO	F
10/4/16	AD Hub RT	Peak Futures	Dec-24	MSO	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-16	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-16	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-16	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-16	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Apr-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jun-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Aug-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-17	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-18	MSR	F

10/4/16	AD Hub RT Mini	Peak Futures	Apr-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jun-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Aug-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-18	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Apr-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jun-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Aug-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-19	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Apr-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-20	MSR	F

10/4/16	AD Hub RT Mini	Peak Futures	Jun-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Aug-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-20	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Apr-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jun-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Aug-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-21	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Apr-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jun-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-22	MSR	F

10/4/16	AD Hub RT Mini	Peak Futures	Aug-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-22	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Apr-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jun-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Aug-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Oct-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-23	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jan-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Feb-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Mar-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Apr-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	May-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jun-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Jul-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Aug-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Sep-24	MSR	F

10/4/16	AD Hub RT Mini	Peak Futures	Oct-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Nov-24	MSR	F
10/4/16	AD Hub RT Mini	Peak Futures	Dec-24	MSR	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D

10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D

10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	MXO	D
10/4/16	CSAPR NOx Annual V15	CSAPR NOx Futures	Oct-16	NAL	F
10/4/16	CSAPR NOx Annual V15	CSAPR NOx Futures	Nov-16	NAL	F
10/4/16	CSAPR NOx Annual V15	CSAPR NOx Futures	Dec-16	NAL	F
10/4/16	CSAPR NOx Annual V16	CSAPR NOx Futures	Oct-16	NAN	F
10/4/16	CSAPR NOx Annual V16	CSAPR NOx Futures	Nov-16	NAN	F

10/4/16	CSAPR NOx Annual V16	CSAPR NOx Futures	Dec-16	NAN	F
10/4/16	CSAPR NOx Annual V16	CSAPR NOx Futures	Mar-17	NAN	F
10/4/16	CSAPR NOx Annual V16	CSAPR NOx Futures	Jun-17	NAN	F
10/4/16	CSAPR NOx Annual V16	CSAPR NOx Futures	Sep-17	NAN	F
10/4/16	CSAPR NOx Annual V16	CSAPR NOx Futures	Dec-17	NAN	F
10/4/16	NYISO A	Peak Futures	Sep-16	NAY	F
10/4/16	NYISO A	Peak Futures	Oct-16	NAY	F
10/4/16	NYISO A	Peak Futures	Nov-16	NAY	F
10/4/16	NYISO A	Peak Futures	Dec-16	NAY	F
10/4/16	NYISO A	Peak Futures	Jan-17	NAY	F
10/4/16	NYISO A	Peak Futures	Feb-17	NAY	F
10/4/16	NYISO A	Peak Futures	Mar-17	NAY	F
10/4/16	NYISO A	Peak Futures	Apr-17	NAY	F
10/4/16	NYISO A	Peak Futures	May-17	NAY	F
10/4/16	NYISO A	Peak Futures	Jun-17	NAY	F
10/4/16	NYISO A	Peak Futures	Jul-17	NAY	F
10/4/16	NYISO A	Peak Futures	Aug-17	NAY	F
10/4/16	NYISO A	Peak Futures	Sep-17	NAY	F
10/4/16	NYISO A	Peak Futures	Oct-17	NAY	F
10/4/16	NYISO A	Peak Futures	Nov-17	NAY	F
10/4/16	NYISO A	Peak Futures	Dec-17	NAY	F
10/4/16	NYISO A	Peak Futures	Jan-18	NAY	F
10/4/16	NYISO A	Peak Futures	Feb-18	NAY	F
10/4/16	NYISO A	Peak Futures	Mar-18	NAY	F
10/4/16	NYISO A	Peak Futures	Apr-18	NAY	F
10/4/16	NYISO A	Peak Futures	May-18	NAY	F

10/4/16	NYISO A	Peak Futures	Jun-18	NAY	F
10/4/16	NYISO A	Peak Futures	Jul-18	NAY	F
10/4/16	NYISO A	Peak Futures	Aug-18	NAY	F
10/4/16	NYISO A	Peak Futures	Sep-18	NAY	F
10/4/16	NYISO A	Peak Futures	Oct-18	NAY	F
10/4/16	NYISO A	Peak Futures	Nov-18	NAY	F
10/4/16	NYISO A	Peak Futures	Dec-18	NAY	F
10/4/16	NYISO A	Peak Futures	Jan-19	NAY	F
10/4/16	NYISO A	Peak Futures	Feb-19	NAY	F
10/4/16	NYISO A	Peak Futures	Mar-19	NAY	F
10/4/16	NYISO A	Peak Futures	Apr-19	NAY	F
10/4/16	NYISO A	Peak Futures	May-19	NAY	F
10/4/16	NYISO A	Peak Futures	Jun-19	NAY	F
10/4/16	NYISO A	Peak Futures	Jul-19	NAY	F
10/4/16	NYISO A	Peak Futures	Aug-19	NAY	F
10/4/16	NYISO A	Peak Futures	Sep-19	NAY	F
10/4/16	NYISO A	Peak Futures	Oct-19	NAY	F
10/4/16	NYISO A	Peak Futures	Nov-19	NAY	F
10/4/16	NYISO A	Peak Futures	Dec-19	NAY	F
10/4/16	NYISO A	Peak Futures	Jan-20	NAY	F
10/4/16	NYISO A	Peak Futures	Feb-20	NAY	F
10/4/16	NYISO A	Peak Futures	Mar-20	NAY	F
10/4/16	NYISO A	Peak Futures	Apr-20	NAY	F
10/4/16	NYISO A	Peak Futures	May-20	NAY	F
10/4/16	NYISO A	Peak Futures	Jun-20	NAY	F
10/4/16	NYISO A	Peak Futures	Jul-20	NAY	F

10/4/16	NYISO A	Peak Futures	Aug-20	NAY	F
10/4/16	NYISO A	Peak Futures	Sep-20	NAY	F
10/4/16	NYISO A	Peak Futures	Oct-20	NAY	F
10/4/16	NYISO A	Peak Futures	Nov-20	NAY	F
10/4/16	NYISO A	Peak Futures	Dec-20	NAY	F
10/4/16	NYISO A	Peak Futures	Jan-21	NAY	F
10/4/16	NYISO A	Peak Futures	Feb-21	NAY	F
10/4/16	NYISO A	Peak Futures	Mar-21	NAY	F
10/4/16	NYISO A	Peak Futures	Apr-21	NAY	F
10/4/16	NYISO A	Peak Futures	May-21	NAY	F
10/4/16	NYISO A	Peak Futures	Jun-21	NAY	F
10/4/16	NYISO A	Peak Futures	Jul-21	NAY	F
10/4/16	NYISO A	Peak Futures	Aug-21	NAY	F
10/4/16	NYISO A	Peak Futures	Sep-21	NAY	F
10/4/16	NYISO A	Peak Futures	Oct-21	NAY	F
10/4/16	NYISO A	Peak Futures	Nov-21	NAY	F
10/4/16	NYISO A	Peak Futures	Dec-21	NAY	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Oct-16	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Nov-16	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Dec-16	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Jan-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Feb-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Mar-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Apr-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	May-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Jun-17	NC1	F

10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Jul-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Aug-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Sep-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Oct-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Nov-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Dec-17	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Jan-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Feb-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Mar-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Apr-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	May-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Jun-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Jul-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Aug-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Sep-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Oct-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Nov-18	NC1	F
10/4/16	Newcastle 1x Cal (122 days)	Newcastle Coal Futures	Dec-18	NC1	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Oct-16	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Nov-16	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Dec-16	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Jan-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Feb-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Mar-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Apr-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	May-17	NC2	F

10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Jun-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Jul-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Aug-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Sep-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Oct-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Nov-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Dec-17	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Jan-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Feb-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Mar-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Apr-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	May-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Jun-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Jul-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Aug-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Sep-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Oct-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Nov-18	NC2	F
10/4/16	Newcastle 1x Cal (214 days)	Newcastle Coal Futures	Dec-18	NC2	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Oct-16	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Nov-16	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Dec-16	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jan-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Feb-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Mar-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Apr-17	NC3	F

10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	May-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jun-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jul-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Aug-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Sep-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Oct-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Nov-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Dec-17	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jan-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Feb-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Mar-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Apr-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	May-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jun-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jul-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Aug-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Sep-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Oct-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Nov-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Dec-18	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jan-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Feb-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Mar-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Apr-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	May-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jun-19	NC3	F

10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Jul-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Aug-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Sep-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Oct-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Nov-19	NC3	F
10/4/16	Newcastle 1x Cal (305 days)	Newcastle Coal Futures	Dec-19	NC3	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Oct-16	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Nov-16	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Dec-16	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jan-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Feb-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Mar-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Apr-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	May-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jun-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jul-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Aug-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Sep-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Oct-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Nov-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Dec-17	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jan-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Feb-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Mar-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Apr-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	May-18	NCA	F

10/4/16	Newcastle APO	Newcastle Coal Futures	Jun-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jul-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Aug-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Sep-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Oct-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Nov-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Dec-18	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jan-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Feb-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Mar-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Apr-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	May-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jun-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Jul-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Aug-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Sep-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Oct-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Nov-19	NCA	F
10/4/16	Newcastle APO	Newcastle Coal Futures	Dec-19	NCA	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Oct-16	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Nov-16	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Dec-16	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jan-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Feb-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Mar-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Apr-17	NCC	F

10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	May-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jun-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jul-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Aug-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Sep-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Oct-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Nov-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Dec-17	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jan-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Feb-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Mar-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Apr-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	May-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jun-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jul-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Aug-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Sep-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Oct-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Nov-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Dec-18	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jan-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Feb-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Mar-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Apr-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	May-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jun-19	NCC	F

10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jul-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Aug-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Sep-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Oct-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Nov-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Dec-19	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jan-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Feb-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Mar-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Apr-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	May-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jun-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Jul-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Aug-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Sep-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Oct-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Nov-20	NCC	F
10/4/16	Newcastle 1x Cal	Newcastle Coal Futures	Dec-20	NCC	F
10/4/16	Newcastle	Newcastle Coal Futures	Oct-16	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Nov-16	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Dec-16	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jan-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Feb-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Mar-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Apr-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	May-17	NCF	F

10/4/16	Newcastle	Newcastle Coal Futures	Jun-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jul-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Aug-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Sep-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Oct-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Nov-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Dec-17	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jan-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Feb-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Mar-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Apr-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	May-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jun-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jul-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Aug-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Sep-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Oct-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Nov-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Dec-18	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jan-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Feb-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Mar-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Apr-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	May-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jun-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jul-19	NCF	F

10/4/16	Newcastle	Newcastle Coal Futures	Aug-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Sep-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Oct-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Nov-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Dec-19	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jan-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Feb-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Mar-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Apr-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	May-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jun-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jul-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Aug-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Sep-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Oct-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Nov-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Dec-20	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jan-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Feb-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Mar-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Apr-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	May-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jun-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jul-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Aug-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Sep-21	NCF	F

10/4/16	Newcastle	Newcastle Coal Futures	Oct-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Nov-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Dec-21	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jan-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Feb-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Mar-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Apr-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	May-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jun-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Jul-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Aug-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Sep-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Oct-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Nov-22	NCF	F
10/4/16	Newcastle	Newcastle Coal Futures	Dec-22	NCF	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D

10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D

10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	NCO	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D

10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Oct-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	NYISO C	Peak Futures	Nov-16	NCP	D
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Oct-16	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Nov-16	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Dec-16	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Jan-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Feb-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Mar-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Apr-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	May-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Jun-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Jul-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Aug-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Sep-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Oct-17	NCQ	F

10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Nov-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Dec-17	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Jan-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Feb-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Mar-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Apr-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	May-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Jun-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Jul-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Aug-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Sep-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Oct-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Nov-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Dec-18	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Jan-19	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Feb-19	NCQ	F
10/4/16	Newcastle 1x Qtr	Newcastle Coal Futures	Mar-19	NCQ	F
10/4/16	REC-NJ C1 V17	REC-NJ Futures	Jul-17	NCT	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Jun-18	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Jul-18	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Aug-18	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Sep-18	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Oct-18	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Nov-18	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Dec-18	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Jan-19	NCU	F

10/4/16	REC-NJ C1 V18	REC-NJ Futures	Feb-19	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Mar-19	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Apr-19	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	May-19	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Jun-19	NCU	F
10/4/16	REC-NJ C1 V18	REC-NJ Futures	Jul-19	NCU	F
10/4/16	REC-NJ C1 V19	REC-NJ Futures	Jul-19	NCV	F
10/4/16	REC-NJ C1 V19	REC-NJ Futures	Aug-19	NCV	F
10/4/16	REC-NJ C1 V20	REC-NJ Futures	Jul-20	NCW	F
10/4/16	REC-NJ C1 V20	REC-NJ Futures	Aug-20	NCW	F
10/4/16	REC-NJ C1 V21	REC-NJ Futures	Jun-21	NCX	F
10/4/16	REC-NJ C1 V21	REC-NJ Futures	Jul-21	NCX	F
10/4/16	REC-NJ C1 V22	REC-NJ Futures	Jun-22	NCY	F
10/4/16	REC-NJ C1 V22	REC-NJ Futures	Jul-22	NCY	F
10/4/16	REC-NJ C1 V23	REC-NJ Futures	Jun-23	NCZ	F
10/4/16	REC-NJ C1 V23	REC-NJ Futures	Jul-23	NCZ	F
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Sep-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D

10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
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10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Oct-16	NDA	D

10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Nov-16	NDA	D
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10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-16	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Dec-16	NDA	D
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10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-17	NDA	D
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10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Jan-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA	Peak Futures	Feb-17	NDA	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Sep-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Sep-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Sep-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Sep-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D

10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D

10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Oct-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA (80 M\	Peak Futures	Nov-16	NDB	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NDC	D
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NDC	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D

10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Oct-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D

10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D	Peak Futures	Nov-16	NDL	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D

10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDM	D
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
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10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NDO	D
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10/4/16	NI Hub RT	Peak Futures	May-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	May-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	May-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	May-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	May-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D

10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NI Hub RT	Peak Futures	Jun-17	NDP	D
10/4/16	NYISO D	Peak Futures	Sep-16	NDR	F
10/4/16	NYISO D	Peak Futures	Oct-16	NDR	F
10/4/16	NYISO D	Peak Futures	Nov-16	NDR	F
10/4/16	NYISO D	Peak Futures	Dec-16	NDR	F
10/4/16	NYISO D	Peak Futures	Jan-17	NDR	F
10/4/16	NYISO D	Peak Futures	Feb-17	NDR	F
10/4/16	NYISO D	Peak Futures	Mar-17	NDR	F
10/4/16	NYISO D	Peak Futures	Apr-17	NDR	F
10/4/16	NYISO D	Peak Futures	May-17	NDR	F
10/4/16	NYISO D	Peak Futures	Jun-17	NDR	F
10/4/16	NYISO D	Peak Futures	Jul-17	NDR	F
10/4/16	NYISO D	Peak Futures	Aug-17	NDR	F

10/4/16	NYISO D	Peak Futures	Sep-17	NDR	F
10/4/16	NYISO D	Peak Futures	Oct-17	NDR	F
10/4/16	NYISO D	Peak Futures	Nov-17	NDR	F
10/4/16	NYISO D	Peak Futures	Dec-17	NDR	F
10/4/16	NYISO D	Peak Futures	Jan-18	NDR	F
10/4/16	NYISO D	Peak Futures	Feb-18	NDR	F
10/4/16	NYISO D	Peak Futures	Mar-18	NDR	F
10/4/16	NYISO D	Peak Futures	Apr-18	NDR	F
10/4/16	NYISO D	Peak Futures	May-18	NDR	F
10/4/16	NYISO D	Peak Futures	Jun-18	NDR	F
10/4/16	NYISO D	Peak Futures	Jul-18	NDR	F
10/4/16	NYISO D	Peak Futures	Aug-18	NDR	F
10/4/16	NYISO D	Peak Futures	Sep-18	NDR	F
10/4/16	NYISO D	Peak Futures	Oct-18	NDR	F
10/4/16	NYISO D	Peak Futures	Nov-18	NDR	F
10/4/16	NYISO D	Peak Futures	Dec-18	NDR	F
10/4/16	NYISO D	Peak Futures	Jan-19	NDR	F
10/4/16	NYISO D	Peak Futures	Feb-19	NDR	F
10/4/16	NYISO D	Peak Futures	Mar-19	NDR	F
10/4/16	NYISO D	Peak Futures	Apr-19	NDR	F
10/4/16	NYISO D	Peak Futures	May-19	NDR	F
10/4/16	NYISO D	Peak Futures	Jun-19	NDR	F
10/4/16	NYISO D	Peak Futures	Jul-19	NDR	F
10/4/16	NYISO D	Peak Futures	Aug-19	NDR	F
10/4/16	NYISO D	Peak Futures	Sep-19	NDR	F
10/4/16	NYISO D	Peak Futures	Oct-19	NDR	F

10/4/16	NYISO D	Peak Futures	Nov-19	NDR	F
10/4/16	NYISO D	Peak Futures	Dec-19	NDR	F
10/4/16	NYISO D	Peak Futures	Jan-20	NDR	F
10/4/16	NYISO D	Peak Futures	Feb-20	NDR	F
10/4/16	NYISO D	Peak Futures	Mar-20	NDR	F
10/4/16	NYISO D	Peak Futures	Apr-20	NDR	F
10/4/16	NYISO D	Peak Futures	May-20	NDR	F
10/4/16	NYISO D	Peak Futures	Jun-20	NDR	F
10/4/16	NYISO D	Peak Futures	Jul-20	NDR	F
10/4/16	NYISO D	Peak Futures	Aug-20	NDR	F
10/4/16	NYISO D	Peak Futures	Sep-20	NDR	F
10/4/16	NYISO D	Peak Futures	Oct-20	NDR	F
10/4/16	NYISO D	Peak Futures	Nov-20	NDR	F
10/4/16	NYISO D	Peak Futures	Dec-20	NDR	F
10/4/16	NYISO D	Peak Futures	Jan-21	NDR	F
10/4/16	NYISO D	Peak Futures	Feb-21	NDR	F
10/4/16	NYISO D	Peak Futures	Mar-21	NDR	F
10/4/16	NYISO D	Peak Futures	Apr-21	NDR	F
10/4/16	NYISO D	Peak Futures	May-21	NDR	F
10/4/16	NYISO D	Peak Futures	Jun-21	NDR	F
10/4/16	NYISO D	Peak Futures	Jul-21	NDR	F
10/4/16	NYISO D	Peak Futures	Aug-21	NDR	F
10/4/16	NYISO D	Peak Futures	Sep-21	NDR	F
10/4/16	NYISO D	Peak Futures	Oct-21	NDR	F
10/4/16	NYISO D	Peak Futures	Nov-21	NDR	F
10/4/16	NYISO D	Peak Futures	Dec-21	NDR	F

10/4/16	NYISO D Off-Peak	Off-Peak Futures	Sep-16	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-16	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-16	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Dec-16	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jan-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Feb-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Mar-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Apr-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	May-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jun-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jul-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Aug-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Sep-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Dec-17	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jan-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Feb-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Mar-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Apr-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	May-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jun-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jul-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Aug-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Sep-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-18	NDS	F

10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Dec-18	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jan-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Feb-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Mar-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Apr-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	May-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jun-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jul-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Aug-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Sep-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Dec-19	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jan-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Feb-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Mar-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Apr-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	May-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jun-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jul-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Aug-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Sep-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-20	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Dec-20	NDS	F

10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jan-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Feb-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Mar-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Apr-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	May-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jun-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Jul-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Aug-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Sep-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Oct-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Nov-21	NDS	F
10/4/16	NYISO D Off-Peak	Off-Peak Futures	Dec-21	NDS	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	May-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-17	NEB	F

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-17	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	May-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-18	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	May-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-19	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-19	NEB	F

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	May-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-20	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	May-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-21	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-22	NEB	F

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	May-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-22	NEB	F
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D

10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NED	D
10/4/16	ERCOT North 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	NED	D
10/4/16	Nepool MH DA Mini	Peak Futures	Sep-16	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Oct-16	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Nov-16	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Dec-16	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jan-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Feb-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Mar-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Apr-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	May-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jun-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jul-17	NEM	F

10/4/16	Nepool MH DA Mini	Peak Futures	Aug-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Sep-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Oct-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Nov-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Dec-17	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jan-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Feb-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Mar-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Apr-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	May-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jun-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jul-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Aug-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Sep-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Oct-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Nov-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Dec-18	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jan-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Feb-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Mar-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Apr-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	May-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jun-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jul-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Aug-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Sep-19	NEM	F

10/4/16	Nepool MH DA Mini	Peak Futures	Oct-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Nov-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Dec-19	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jan-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Feb-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Mar-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Apr-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	May-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jun-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jul-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Aug-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Sep-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Oct-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Nov-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Dec-20	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jan-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Feb-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Mar-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Apr-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	May-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jun-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jul-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Aug-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Sep-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Oct-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Nov-21	NEM	F

10/4/16	Nepool MH DA Mini	Peak Futures	Dec-21	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jan-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Feb-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Mar-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Apr-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	May-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jun-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Jul-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Aug-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Sep-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Oct-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Nov-22	NEM	F
10/4/16	Nepool MH DA Mini	Peak Futures	Dec-22	NEM	F
10/4/16	Nepool MH DA	Peak Futures	Sep-16	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Oct-16	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Nov-16	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Dec-16	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jan-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Feb-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Mar-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Apr-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	May-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jun-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jul-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Aug-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Sep-17	NEP	F

10/4/16	Nepool MH DA	Peak Futures	Oct-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Nov-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Dec-17	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jan-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Feb-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Mar-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Apr-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	May-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jun-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jul-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Aug-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Sep-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Oct-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Nov-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Dec-18	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jan-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Feb-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Mar-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Apr-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	May-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jun-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jul-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Aug-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Sep-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Oct-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Nov-19	NEP	F

10/4/16	Nepool MH DA	Peak Futures	Dec-19	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jan-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Feb-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Mar-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Apr-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	May-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jun-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jul-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Aug-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Sep-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Oct-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Nov-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Dec-20	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jan-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Feb-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Mar-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Apr-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	May-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jun-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jul-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Aug-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Sep-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Oct-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Nov-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Dec-21	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jan-22	NEP	F

10/4/16	Nepool MH DA	Peak Futures	Feb-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Mar-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Apr-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	May-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jun-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Jul-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Aug-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Sep-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Oct-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Nov-22	NEP	F
10/4/16	Nepool MH DA	Peak Futures	Dec-22	NEP	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Mar-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Apr-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	May-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jun-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jul-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Aug-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-17	NEV	F

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-17	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Mar-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Apr-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	May-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jun-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jul-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Aug-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-18	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Mar-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Apr-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	May-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jun-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jul-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Aug-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-19	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-20	NEV	F

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Mar-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Apr-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	May-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jun-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jul-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Aug-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-20	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Mar-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Apr-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	May-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jun-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jul-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Aug-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-21	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Mar-22	NEV	F

10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Apr-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	May-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jun-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Jul-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Aug-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-22	NEV	F
10/4/16	ERCOT North 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-22	NEV	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Sep-16	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Oct-16	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Nov-16	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Dec-16	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Jan-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Feb-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Mar-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Apr-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	May-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Jun-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Jul-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Aug-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Sep-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Oct-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Nov-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Dec-17	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Jan-18	NEX	F

10/4/16	Nepool MH DA Cal 1x	Peak Futures	Feb-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Mar-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Apr-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	May-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Jun-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Jul-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Aug-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Sep-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Oct-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Nov-18	NEX	F
10/4/16	Nepool MH DA Cal 1x	Peak Futures	Dec-18	NEX	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D

10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	NFO	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D

10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D
10/4/16	NYISO F	Peak Futures	Oct-16	NFP	D

10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO F	Peak Futures	Nov-16	NFP	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Sep-16	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Dec-16	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jan-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Feb-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Mar-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Apr-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	May-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jun-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jul-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Aug-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Sep-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Dec-17	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jan-18	NGO	F

10/4/16	NYISO G Off-Peak	Off-Peak Futures	Feb-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Mar-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Apr-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	May-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jun-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jul-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Aug-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Sep-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Dec-18	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jan-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Feb-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Mar-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Apr-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	May-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jun-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jul-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Aug-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Sep-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Dec-19	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jan-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Feb-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Mar-20	NGO	F

10/4/16	NYISO G Off-Peak	Off-Peak Futures	Apr-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	May-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jun-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jul-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Aug-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Sep-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Dec-20	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jan-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Feb-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Mar-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Apr-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	May-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jun-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Jul-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Aug-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Sep-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-21	NGO	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Dec-21	NGO	F
10/4/16	NYISO G	Peak Futures	Sep-16	NGY	F
10/4/16	NYISO G	Peak Futures	Oct-16	NGY	F
10/4/16	NYISO G	Peak Futures	Nov-16	NGY	F
10/4/16	NYISO G	Peak Futures	Dec-16	NGY	F
10/4/16	NYISO G	Peak Futures	Jan-17	NGY	F

10/4/16	NYISO G	Peak Futures	Feb-17	NGY	F
10/4/16	NYISO G	Peak Futures	Mar-17	NGY	F
10/4/16	NYISO G	Peak Futures	Apr-17	NGY	F
10/4/16	NYISO G	Peak Futures	May-17	NGY	F
10/4/16	NYISO G	Peak Futures	Jun-17	NGY	F
10/4/16	NYISO G	Peak Futures	Jul-17	NGY	F
10/4/16	NYISO G	Peak Futures	Aug-17	NGY	F
10/4/16	NYISO G	Peak Futures	Sep-17	NGY	F
10/4/16	NYISO G	Peak Futures	Oct-17	NGY	F
10/4/16	NYISO G	Peak Futures	Nov-17	NGY	F
10/4/16	NYISO G	Peak Futures	Dec-17	NGY	F
10/4/16	NYISO G	Peak Futures	Jan-18	NGY	F
10/4/16	NYISO G	Peak Futures	Feb-18	NGY	F
10/4/16	NYISO G	Peak Futures	Mar-18	NGY	F
10/4/16	NYISO G	Peak Futures	Apr-18	NGY	F
10/4/16	NYISO G	Peak Futures	May-18	NGY	F
10/4/16	NYISO G	Peak Futures	Jun-18	NGY	F
10/4/16	NYISO G	Peak Futures	Jul-18	NGY	F
10/4/16	NYISO G	Peak Futures	Aug-18	NGY	F
10/4/16	NYISO G	Peak Futures	Sep-18	NGY	F
10/4/16	NYISO G	Peak Futures	Oct-18	NGY	F
10/4/16	NYISO G	Peak Futures	Nov-18	NGY	F
10/4/16	NYISO G	Peak Futures	Dec-18	NGY	F
10/4/16	NYISO G	Peak Futures	Jan-19	NGY	F
10/4/16	NYISO G	Peak Futures	Feb-19	NGY	F
10/4/16	NYISO G	Peak Futures	Mar-19	NGY	F

10/4/16	NYISO G	Peak Futures	Apr-19	NGY	F
10/4/16	NYISO G	Peak Futures	May-19	NGY	F
10/4/16	NYISO G	Peak Futures	Jun-19	NGY	F
10/4/16	NYISO G	Peak Futures	Jul-19	NGY	F
10/4/16	NYISO G	Peak Futures	Aug-19	NGY	F
10/4/16	NYISO G	Peak Futures	Sep-19	NGY	F
10/4/16	NYISO G	Peak Futures	Oct-19	NGY	F
10/4/16	NYISO G	Peak Futures	Nov-19	NGY	F
10/4/16	NYISO G	Peak Futures	Dec-19	NGY	F
10/4/16	NYISO G	Peak Futures	Jan-20	NGY	F
10/4/16	NYISO G	Peak Futures	Feb-20	NGY	F
10/4/16	NYISO G	Peak Futures	Mar-20	NGY	F
10/4/16	NYISO G	Peak Futures	Apr-20	NGY	F
10/4/16	NYISO G	Peak Futures	May-20	NGY	F
10/4/16	NYISO G	Peak Futures	Jun-20	NGY	F
10/4/16	NYISO G	Peak Futures	Jul-20	NGY	F
10/4/16	NYISO G	Peak Futures	Aug-20	NGY	F
10/4/16	NYISO G	Peak Futures	Sep-20	NGY	F
10/4/16	NYISO G	Peak Futures	Oct-20	NGY	F
10/4/16	NYISO G	Peak Futures	Nov-20	NGY	F
10/4/16	NYISO G	Peak Futures	Dec-20	NGY	F
10/4/16	NYISO G	Peak Futures	Jan-21	NGY	F
10/4/16	NYISO G	Peak Futures	Feb-21	NGY	F
10/4/16	NYISO G	Peak Futures	Mar-21	NGY	F
10/4/16	NYISO G	Peak Futures	Apr-21	NGY	F
10/4/16	NYISO G	Peak Futures	May-21	NGY	F

10/4/16	NYISO G	Peak Futures	Jun-21	NGY	F
10/4/16	NYISO G	Peak Futures	Jul-21	NGY	F
10/4/16	NYISO G	Peak Futures	Aug-21	NGY	F
10/4/16	NYISO G	Peak Futures	Sep-21	NGY	F
10/4/16	NYISO G	Peak Futures	Oct-21	NGY	F
10/4/16	NYISO G	Peak Futures	Nov-21	NGY	F
10/4/16	NYISO G	Peak Futures	Dec-21	NGY	F
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
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10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
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10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D

10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIA	D
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10/4/16	NI Hub DA	Peak Futures	Nov-16	NIA	D
10/4/16	NI Hub DA	Peak Futures	Sep-16	NIB	F
10/4/16	NI Hub DA	Peak Futures	Oct-16	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-16	NIB	F
10/4/16	NI Hub DA	Peak Futures	Dec-16	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jan-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-17	NIB	F

10/4/16	NI Hub DA	Peak Futures	Apr-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	May-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jun-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Aug-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Sep-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Oct-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Dec-17	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jan-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Apr-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	May-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jun-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Aug-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Sep-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Oct-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Dec-18	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jan-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Apr-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	May-19	NIB	F

10/4/16	NI Hub DA	Peak Futures	Jun-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Aug-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Sep-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Oct-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Dec-19	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jan-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Apr-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	May-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jun-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Aug-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Sep-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Oct-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Dec-20	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jan-21	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-21	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-21	NIB	F
10/4/16	NI Hub DA	Peak Futures	Apr-21	NIB	F
10/4/16	NI Hub DA	Peak Futures	May-21	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jun-21	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-21	NIB	F

10/4/16	NI Hub DA	Peak Futures	Aug-21	NIB	F
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10/4/16	NI Hub DA	Peak Futures	Oct-21	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-21	NIB	F
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10/4/16	NI Hub DA	Peak Futures	Jan-22	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-22	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-22	NIB	F
10/4/16	NI Hub DA	Peak Futures	Apr-22	NIB	F
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10/4/16	NI Hub DA	Peak Futures	Jun-22	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-22	NIB	F
10/4/16	NI Hub DA	Peak Futures	Aug-22	NIB	F
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10/4/16	NI Hub DA	Peak Futures	Dec-22	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jan-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Apr-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	May-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jun-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Aug-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Sep-23	NIB	F

10/4/16	NI Hub DA	Peak Futures	Oct-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Dec-23	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jan-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Feb-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Mar-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Apr-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	May-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jun-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Jul-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Aug-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Sep-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Oct-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Nov-24	NIB	F
10/4/16	NI Hub DA	Peak Futures	Dec-24	NIB	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
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10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D

10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
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10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
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10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
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10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D

10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NIC	D
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-16	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-16	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-16	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-16	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-17	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-18	NID	F

10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-18	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-19	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-20	NID	F

10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-20	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-21	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-22	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-23	NID	F

10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-23	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jan-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Feb-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Mar-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Apr-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	May-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jun-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Jul-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Aug-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Sep-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Oct-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Nov-24	NID	F
10/4/16	NI Hub DA Off-Peak	Off-Peak Futures	Dec-24	NID	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-16	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-16	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-16	NIO	F

10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-16	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-17	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-18	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-19	NIO	F

10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-19	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-20	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-21	NIO	F

10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-21	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-22	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-23	NIO	F

10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-23	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jan-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Feb-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Mar-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Apr-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	May-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jun-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Jul-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Aug-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Sep-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Oct-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Nov-24	NIO	F
10/4/16	NI Hub RT Off-Peak	Off-Peak Futures	Dec-24	NIO	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Sep-20	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Oct-20	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Nov-20	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Dec-20	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Jan-21	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Feb-21	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Mar-21	NJ1	F

10/4/16	SREC-NJ EY21	SREC-NJ Futures	Apr-21	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	May-21	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Jun-21	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Jul-21	NJ1	F
10/4/16	SREC-NJ EY21	SREC-NJ Futures	Aug-21	NJ1	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Aug-21	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Sep-21	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Oct-21	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Nov-21	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Dec-21	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Jan-22	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Feb-22	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Mar-22	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Apr-22	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	May-22	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Jun-22	NJ2	F
10/4/16	SREC-NJ EY22	SREC-NJ Futures	Jul-22	NJ2	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Aug-22	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Sep-22	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Oct-22	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Nov-22	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Dec-22	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Jan-23	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Feb-23	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Mar-23	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Apr-23	NJ3	F

10/4/16	SREC-NJ EY23	SREC-NJ Futures	May-23	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Jun-23	NJ3	F
10/4/16	SREC-NJ EY23	SREC-NJ Futures	Jul-23	NJ3	F
10/4/16	SREC-NJ EY15	SREC-NJ Futures	Jul-17	NJG	F
10/4/16	SREC-NJ EY15	SREC-NJ Futures	Aug-17	NJG	F
10/4/16	SREC-NJ EY16	SREC-NJ Futures	Jul-17	NJH	F
10/4/16	SREC-NJ EY16	SREC-NJ Futures	Aug-17	NJH	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Oct-16	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Nov-16	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Dec-16	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Jan-17	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Feb-17	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Mar-17	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Apr-17	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	May-17	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Jun-17	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Jul-17	NJI	F
10/4/16	SREC-NJ EY17	SREC-NJ Futures	Aug-17	NJI	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Sep-17	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Oct-17	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Nov-17	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Dec-17	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Jan-18	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Feb-18	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Mar-18	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Apr-18	NJJ	F

10/4/16	SREC-NJ EY18	SREC-NJ Futures	May-18	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Jun-18	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Jul-18	NJJ	F
10/4/16	SREC-NJ EY18	SREC-NJ Futures	Aug-18	NJJ	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Sep-18	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Oct-18	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Nov-18	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Dec-18	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Jan-19	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Feb-19	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Mar-19	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Apr-19	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	May-19	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Jun-19	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Jul-19	NJK	F
10/4/16	SREC-NJ EY19	SREC-NJ Futures	Aug-19	NJK	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Sep-19	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Oct-19	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Nov-19	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Dec-19	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Jan-20	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Feb-20	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Mar-20	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Apr-20	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	May-20	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Jun-20	NJL	F

10/4/16	SREC-NJ EY20	SREC-NJ Futures	Jul-20	NJL	F
10/4/16	SREC-NJ EY20	SREC-NJ Futures	Aug-20	NJL	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Sep-16	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Dec-16	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jan-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Feb-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Mar-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Apr-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	May-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jun-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jul-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Aug-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Sep-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Dec-17	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jan-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Feb-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Mar-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Apr-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	May-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jun-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jul-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Aug-18	NJO	F

10/4/16	NYISO J Off-Peak	Off-Peak Futures	Sep-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Dec-18	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jan-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Feb-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Mar-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Apr-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	May-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jun-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jul-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Aug-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Sep-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Dec-19	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jan-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Feb-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Mar-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Apr-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	May-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jun-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jul-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Aug-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Sep-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-20	NJO	F

10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Dec-20	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jan-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Feb-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Mar-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Apr-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	May-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jun-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Jul-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Aug-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Sep-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-21	NJO	F
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Dec-21	NJO	F
10/4/16	NYISO J	Peak Futures	Sep-16	NJY	F
10/4/16	NYISO J	Peak Futures	Oct-16	NJY	F
10/4/16	NYISO J	Peak Futures	Nov-16	NJY	F
10/4/16	NYISO J	Peak Futures	Dec-16	NJY	F
10/4/16	NYISO J	Peak Futures	Jan-17	NJY	F
10/4/16	NYISO J	Peak Futures	Feb-17	NJY	F
10/4/16	NYISO J	Peak Futures	Mar-17	NJY	F
10/4/16	NYISO J	Peak Futures	Apr-17	NJY	F
10/4/16	NYISO J	Peak Futures	May-17	NJY	F
10/4/16	NYISO J	Peak Futures	Jun-17	NJY	F
10/4/16	NYISO J	Peak Futures	Jul-17	NJY	F
10/4/16	NYISO J	Peak Futures	Aug-17	NJY	F

10/4/16	NYISO J	Peak Futures	Sep-17	NJY	F
10/4/16	NYISO J	Peak Futures	Oct-17	NJY	F
10/4/16	NYISO J	Peak Futures	Nov-17	NJY	F
10/4/16	NYISO J	Peak Futures	Dec-17	NJY	F
10/4/16	NYISO J	Peak Futures	Jan-18	NJY	F
10/4/16	NYISO J	Peak Futures	Feb-18	NJY	F
10/4/16	NYISO J	Peak Futures	Mar-18	NJY	F
10/4/16	NYISO J	Peak Futures	Apr-18	NJY	F
10/4/16	NYISO J	Peak Futures	May-18	NJY	F
10/4/16	NYISO J	Peak Futures	Jun-18	NJY	F
10/4/16	NYISO J	Peak Futures	Jul-18	NJY	F
10/4/16	NYISO J	Peak Futures	Aug-18	NJY	F
10/4/16	NYISO J	Peak Futures	Sep-18	NJY	F
10/4/16	NYISO J	Peak Futures	Oct-18	NJY	F
10/4/16	NYISO J	Peak Futures	Nov-18	NJY	F
10/4/16	NYISO J	Peak Futures	Dec-18	NJY	F
10/4/16	NYISO J	Peak Futures	Jan-19	NJY	F
10/4/16	NYISO J	Peak Futures	Feb-19	NJY	F
10/4/16	NYISO J	Peak Futures	Mar-19	NJY	F
10/4/16	NYISO J	Peak Futures	Apr-19	NJY	F
10/4/16	NYISO J	Peak Futures	May-19	NJY	F
10/4/16	NYISO J	Peak Futures	Jun-19	NJY	F
10/4/16	NYISO J	Peak Futures	Jul-19	NJY	F
10/4/16	NYISO J	Peak Futures	Aug-19	NJY	F
10/4/16	NYISO J	Peak Futures	Sep-19	NJY	F
10/4/16	NYISO J	Peak Futures	Oct-19	NJY	F

10/4/16	NYISO J	Peak Futures	Nov-19	NJY	F
10/4/16	NYISO J	Peak Futures	Dec-19	NJY	F
10/4/16	NYISO J	Peak Futures	Jan-20	NJY	F
10/4/16	NYISO J	Peak Futures	Feb-20	NJY	F
10/4/16	NYISO J	Peak Futures	Mar-20	NJY	F
10/4/16	NYISO J	Peak Futures	Apr-20	NJY	F
10/4/16	NYISO J	Peak Futures	May-20	NJY	F
10/4/16	NYISO J	Peak Futures	Jun-20	NJY	F
10/4/16	NYISO J	Peak Futures	Jul-20	NJY	F
10/4/16	NYISO J	Peak Futures	Aug-20	NJY	F
10/4/16	NYISO J	Peak Futures	Sep-20	NJY	F
10/4/16	NYISO J	Peak Futures	Oct-20	NJY	F
10/4/16	NYISO J	Peak Futures	Nov-20	NJY	F
10/4/16	NYISO J	Peak Futures	Dec-20	NJY	F
10/4/16	NYISO J	Peak Futures	Jan-21	NJY	F
10/4/16	NYISO J	Peak Futures	Feb-21	NJY	F
10/4/16	NYISO J	Peak Futures	Mar-21	NJY	F
10/4/16	NYISO J	Peak Futures	Apr-21	NJY	F
10/4/16	NYISO J	Peak Futures	May-21	NJY	F
10/4/16	NYISO J	Peak Futures	Jun-21	NJY	F
10/4/16	NYISO J	Peak Futures	Jul-21	NJY	F
10/4/16	NYISO J	Peak Futures	Aug-21	NJY	F
10/4/16	NYISO J	Peak Futures	Sep-21	NJY	F
10/4/16	NYISO J	Peak Futures	Oct-21	NJY	F
10/4/16	NYISO J	Peak Futures	Nov-21	NJY	F
10/4/16	NYISO J	Peak Futures	Dec-21	NJY	F

10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Oct-16	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Nov-16	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Dec-16	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jan-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Feb-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Mar-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Apr-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	May-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jun-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jul-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Aug-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Sep-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Oct-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Nov-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Dec-17	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jan-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Feb-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Mar-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Apr-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	May-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jun-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jul-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Aug-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Sep-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Oct-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Nov-18	NLB	F

10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Dec-18	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jan-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Feb-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Mar-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Apr-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	May-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jun-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jul-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Aug-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Sep-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Oct-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Nov-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Dec-19	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jan-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Feb-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Mar-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Apr-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	May-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jun-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jul-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Aug-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Sep-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Oct-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Nov-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Dec-20	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jan-21	NLB	F

10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Feb-21	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Mar-21	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Apr-21	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	May-21	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jun-21	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Jul-21	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Base Futures	Aug-21	NLB	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Oct-16	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Nov-16	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Dec-16	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jan-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Feb-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Mar-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Apr-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	May-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jun-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jul-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Aug-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Sep-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Oct-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Nov-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Dec-17	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jan-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Feb-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Mar-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Apr-18	NLP	F

10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	May-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jun-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jul-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Aug-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Sep-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Oct-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Nov-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Dec-18	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jan-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Feb-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Mar-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Apr-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	May-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jun-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jul-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Aug-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Sep-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Oct-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Nov-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Dec-19	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jan-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Feb-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Mar-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Apr-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	May-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jun-20	NLP	F

10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jul-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Aug-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Sep-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Oct-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Nov-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Dec-20	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jan-21	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Feb-21	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Mar-21	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Apr-21	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	May-21	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jun-21	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Jul-21	NLP	F
10/4/16	Dutch Grid	Dutch Power Financial Peak Futures	Aug-21	NLP	F
10/4/16	NYISO A Mini	Peak Futures	Sep-16	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Oct-16	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Nov-16	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Dec-16	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jan-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Feb-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Mar-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Apr-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	May-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jun-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jul-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Aug-17	NMA	F

10/4/16	NYISO A Mini	Peak Futures	Sep-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Oct-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Nov-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Dec-17	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jan-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Feb-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Mar-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Apr-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	May-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jun-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jul-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Aug-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Sep-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Oct-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Nov-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Dec-18	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jan-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Feb-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Mar-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Apr-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	May-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jun-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jul-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Aug-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Sep-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Oct-19	NMA	F

10/4/16	NYISO A Mini	Peak Futures	Nov-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Dec-19	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jan-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Feb-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Mar-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Apr-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	May-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jun-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jul-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Aug-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Sep-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Oct-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Nov-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Dec-20	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jan-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Feb-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Mar-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Apr-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	May-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jun-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Jul-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Aug-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Sep-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Oct-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Nov-21	NMA	F
10/4/16	NYISO A Mini	Peak Futures	Dec-21	NMA	F

10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D

10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Oct-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	Nepool MH RT (Daily)	Peak Futures	Nov-16	NMD	D
10/4/16	NYISO G Mini	Peak Futures	Sep-16	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Oct-16	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Nov-16	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Dec-16	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jan-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Feb-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Mar-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Apr-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	May-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jun-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jul-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Aug-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Sep-17	NMG	F

10/4/16	NYISO G Mini	Peak Futures	Oct-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Nov-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Dec-17	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jan-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Feb-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Mar-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Apr-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	May-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jun-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jul-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Aug-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Sep-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Oct-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Nov-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Dec-18	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jan-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Feb-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Mar-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Apr-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	May-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jun-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jul-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Aug-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Sep-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Oct-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Nov-19	NMG	F

10/4/16	NYISO G Mini	Peak Futures	Dec-19	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jan-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Feb-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Mar-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Apr-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	May-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jun-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jul-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Aug-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Sep-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Oct-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Nov-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Dec-20	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jan-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Feb-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Mar-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Apr-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	May-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jun-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Jul-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Aug-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Sep-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Oct-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Nov-21	NMG	F
10/4/16	NYISO G Mini	Peak Futures	Dec-21	NMG	F
10/4/16	NYISO J Mini	Peak Futures	Sep-16	NMJ	F

10/4/16	NYISO J Mini	Peak Futures	Oct-16	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Nov-16	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Dec-16	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jan-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Feb-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Mar-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Apr-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	May-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jun-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jul-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Aug-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Sep-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Oct-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Nov-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Dec-17	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jan-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Feb-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Mar-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Apr-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	May-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jun-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jul-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Aug-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Sep-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Oct-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Nov-18	NMJ	F

10/4/16	NYISO J Mini	Peak Futures	Dec-18	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jan-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Feb-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Mar-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Apr-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	May-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jun-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jul-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Aug-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Sep-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Oct-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Nov-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Dec-19	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jan-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Feb-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Mar-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Apr-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	May-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jun-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jul-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Aug-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Sep-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Oct-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Nov-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Dec-20	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jan-21	NMJ	F

10/4/16	NYISO J Mini	Peak Futures	Feb-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Mar-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Apr-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	May-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jun-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Jul-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Aug-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Sep-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Oct-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Nov-21	NMJ	F
10/4/16	NYISO J Mini	Peak Futures	Dec-21	NMJ	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Sep-16	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Oct-16	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Nov-16	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Dec-16	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Jan-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Feb-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Mar-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Apr-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	May-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Jun-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Jul-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Aug-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Sep-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Oct-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Nov-17	NOC	F

10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Dec-17	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Jan-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Feb-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Mar-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Apr-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	May-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Jun-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Jul-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Aug-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Sep-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Oct-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Nov-18	NOC	F
10/4/16	Nepool MH DA Off-Peak Cal 1x	Off-Peak Futures	Dec-18	NOC	F
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D

10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Oct-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO G Off-Peak	Off-Peak Futures	Nov-16	NOD	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D

10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D

10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Oct-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	NYISO J Off-Peak	Off-Peak Futures	Nov-16	NOJ	D
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Sep-16	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Oct-16	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Nov-16	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Dec-16	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jan-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Feb-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Mar-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Apr-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	May-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jun-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jul-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Aug-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Sep-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Oct-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Nov-17	NOM	F

10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Dec-17	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jan-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Feb-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Mar-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Apr-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	May-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jun-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jul-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Aug-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Sep-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Oct-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Nov-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Dec-18	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jan-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Feb-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Mar-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Apr-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	May-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jun-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jul-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Aug-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Sep-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Oct-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Nov-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Dec-19	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jan-20	NOM	F

10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Feb-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Mar-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Apr-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	May-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jun-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jul-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Aug-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Sep-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Oct-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Nov-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Dec-20	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jan-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Feb-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Mar-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Apr-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	May-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jun-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jul-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Aug-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Sep-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Oct-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Nov-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Dec-21	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jan-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Feb-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Mar-22	NOM	F

10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Apr-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	May-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jun-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Jul-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Aug-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Sep-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Oct-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Nov-22	NOM	F
10/4/16	Nepool MH DA Off-Peak Mini	Off-Peak Futures	Dec-22	NOM	F
10/4/16	CSAPR NOx Ozone V15	CSAPR NOx Futures	Oct-16	NON	F
10/4/16	CSAPR NOx Ozone V15	CSAPR NOx Futures	Nov-16	NON	F
10/4/16	CSAPR NOx Ozone V15	CSAPR NOx Futures	Dec-16	NON	F
10/4/16	CSAPR NOx Ozone V16	CSAPR NOx Futures	Oct-16	NOO	F
10/4/16	CSAPR NOx Ozone V16	CSAPR NOx Futures	Nov-16	NOO	F
10/4/16	CSAPR NOx Ozone V16	CSAPR NOx Futures	Dec-16	NOO	F
10/4/16	CSAPR NOx Ozone V16	CSAPR NOx Futures	Mar-17	NOO	F
10/4/16	CSAPR NOx Ozone V16	CSAPR NOx Futures	Jun-17	NOO	F
10/4/16	CSAPR NOx Ozone V16	CSAPR NOx Futures	Sep-17	NOO	F
10/4/16	CSAPR NOx Ozone V16	CSAPR NOx Futures	Dec-17	NOO	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Sep-16	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Dec-16	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jan-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Feb-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Mar-17	NOP	F

10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Apr-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	May-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jun-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jul-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Aug-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Sep-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Dec-17	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jan-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Feb-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Mar-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Apr-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	May-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jun-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jul-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Aug-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Sep-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Dec-18	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jan-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Feb-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Mar-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Apr-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	May-19	NOP	F

10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jun-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jul-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Aug-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Sep-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Dec-19	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jan-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Feb-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Mar-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Apr-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	May-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jun-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jul-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Aug-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Sep-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Dec-20	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jan-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Feb-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Mar-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Apr-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	May-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jun-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jul-21	NOP	F

10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Aug-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Sep-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Dec-21	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jan-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Feb-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Mar-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Apr-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	May-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jun-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Jul-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Aug-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Sep-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-22	NOP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Dec-22	NOP	F
10/4/16	NP15 DA	Peak Futures	Sep-16	NPM	F
10/4/16	NP15 DA	Peak Futures	Oct-16	NPM	F
10/4/16	NP15 DA	Peak Futures	Nov-16	NPM	F
10/4/16	NP15 DA	Peak Futures	Dec-16	NPM	F
10/4/16	NP15 DA	Peak Futures	Jan-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Feb-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Mar-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Apr-17	NPM	F
10/4/16	NP15 DA	Peak Futures	May-17	NPM	F

10/4/16	NP15 DA	Peak Futures	Jun-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Jul-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Aug-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Sep-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Oct-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Nov-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Dec-17	NPM	F
10/4/16	NP15 DA	Peak Futures	Jan-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Feb-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Mar-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Apr-18	NPM	F
10/4/16	NP15 DA	Peak Futures	May-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Jun-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Jul-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Aug-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Sep-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Oct-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Nov-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Dec-18	NPM	F
10/4/16	NP15 DA	Peak Futures	Jan-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Feb-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Mar-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Apr-19	NPM	F
10/4/16	NP15 DA	Peak Futures	May-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Jun-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Jul-19	NPM	F

10/4/16	NP15 DA	Peak Futures	Aug-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Sep-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Oct-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Nov-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Dec-19	NPM	F
10/4/16	NP15 DA	Peak Futures	Jan-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Feb-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Mar-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Apr-20	NPM	F
10/4/16	NP15 DA	Peak Futures	May-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Jun-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Jul-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Aug-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Sep-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Oct-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Nov-20	NPM	F
10/4/16	NP15 DA	Peak Futures	Dec-20	NPM	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Oct-16	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Nov-16	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Dec-16	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jan-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Feb-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Mar-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Apr-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	May-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jun-17	NRB	F

10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jul-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Aug-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Sep-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Oct-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Nov-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Dec-17	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jan-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Feb-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Mar-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Apr-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	May-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jun-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jul-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Aug-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Sep-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Oct-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Nov-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Dec-18	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jan-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Feb-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Mar-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Apr-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	May-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jun-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jul-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Aug-19	NRB	F

10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Sep-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Oct-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Nov-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Dec-19	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jan-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Feb-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Mar-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Apr-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	May-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jun-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jul-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Aug-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Sep-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Oct-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Nov-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Dec-20	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jan-21	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Feb-21	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Mar-21	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Apr-21	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	May-21	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jun-21	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Jul-21	NRB	F
10/4/16	Nordic Grid	Nordic Power Financial Base Futures	Aug-21	NRB	F
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D

10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D

10/4/16	NYISO G RT	Peak Futures	Oct-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NYISO G RT	Peak Futures	Nov-16	NRN	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Sep-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Sep-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Sep-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Sep-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Sep-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D

10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Oct-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D

10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Nov-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D

10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT Off-Peak	Off-Peak Futures	Dec-16	NRO	D
10/4/16	NP15 RT	Peak Futures	Sep-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Sep-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Sep-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Sep-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Sep-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D

10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Oct-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D

10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Nov-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D

10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NP15 RT	Peak Futures	Dec-16	NRP	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D

10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Oct-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO G RT Off-Peak	Off-Peak Futures	Nov-16	NRQ	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D

10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Oct-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D

10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT	Peak Futures	Nov-16	NRR	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D

10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Oct-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO A RT Off-Peak	Off-Peak Futures	Nov-16	NRS	D
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Oct-16	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Nov-16	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Dec-16	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Jan-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Feb-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Mar-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Apr-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	May-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Jun-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Jul-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Aug-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Sep-17	NYC	F

10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Oct-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Nov-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Dec-17	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Jan-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Feb-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Mar-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Apr-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	May-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Jun-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Jul-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Aug-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Sep-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Oct-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Nov-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Dec-18	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Jan-19	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Feb-19	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Mar-19	NYC	F
10/4/16	NYISO In-City Calendar-Month	Capacity Futures	Apr-19	NYC	F
10/4/16	NYISO Rest of State Calendar-Montl	Capacity Futures	Oct-16	NYR	F
10/4/16	NYISO Rest of State Calendar-Montl	Capacity Futures	Nov-16	NYR	F
10/4/16	NYISO Rest of State Calendar-Montl	Capacity Futures	Dec-16	NYR	F
10/4/16	NYISO Rest of State Calendar-Montl	Capacity Futures	Jan-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Montl	Capacity Futures	Feb-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Montl	Capacity Futures	Mar-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Montl	Capacity Futures	Apr-17	NYR	F

10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	May-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Jun-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Jul-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Aug-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Sep-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Oct-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Nov-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Dec-17	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Jan-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Feb-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Mar-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Apr-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	May-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Jun-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Jul-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Aug-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Sep-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Oct-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Nov-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Dec-18	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Jan-19	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Feb-19	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Mar-19	NYR	F
10/4/16	NYISO Rest of State Calendar-Month	Capacity Futures	Apr-19	NYR	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Oct-16	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Nov-16	NYU	F

10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Dec-16	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Jan-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Feb-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Mar-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Apr-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	May-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Jun-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Jul-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Aug-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Sep-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Oct-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Nov-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Dec-17	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Jan-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Feb-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Mar-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Apr-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	May-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Jun-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Jul-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Aug-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Sep-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Oct-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Nov-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Dec-18	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Jan-19	NYU	F

10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Feb-19	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Mar-19	NYU	F
10/4/16	NYISO Lower Hudson Valley	Capacity Futures	Apr-19	NYU	F
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D

10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZA	D
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-16	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-16	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-16	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Dec-16	NZB	F

10/4/16	ERCOT North LZ DA	Peak Futures	Jan-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Feb-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Mar-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Apr-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	May-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jun-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jul-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Aug-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Dec-17	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jan-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Feb-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Mar-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Apr-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	May-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jun-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jul-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Aug-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Dec-18	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jan-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Feb-19	NZB	F

10/4/16	ERCOT North LZ DA	Peak Futures	Mar-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Apr-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	May-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jun-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Jul-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Aug-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Sep-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Oct-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Nov-19	NZB	F
10/4/16	ERCOT North LZ DA	Peak Futures	Dec-19	NZB	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D

10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D

10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZC	D
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-16	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-16	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-16	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Dec-16	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jan-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Feb-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Mar-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Apr-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	May-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jun-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jul-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Aug-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Dec-17	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jan-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Feb-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Mar-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Apr-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	May-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jun-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jul-18	NZD	F

10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Aug-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Dec-18	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jan-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Feb-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Mar-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Apr-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	May-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jun-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Jul-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Aug-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Sep-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Oct-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Nov-19	NZD	F
10/4/16	ERCOT North LZ DA Off-Peak	Off-Peak Futures	Dec-19	NZD	F
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D

10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Oct-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D

10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Nov-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D

10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak (8 Hour Optior	Off-Peak Futures	Dec-16	OD8	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D

10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D

10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D

10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	ODP	D
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Sep-16	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Oct-16	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Nov-16	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Dec-16	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jan-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Feb-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Mar-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Apr-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	May-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jun-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jul-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Aug-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Sep-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Oct-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Nov-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Dec-17	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jan-18	OEH	F

10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Feb-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Mar-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Apr-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	May-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jun-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jul-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Aug-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Sep-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Oct-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Nov-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Dec-18	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jan-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Feb-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Mar-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Apr-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	May-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jun-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Jul-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Aug-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Sep-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Oct-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Nov-19	OEH	F
10/4/16	ERCOT Houston LZ RT Off-Peak	Off-Peak Futures	Dec-19	OEH	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Sep-16	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Oct-16	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Nov-16	OEN	F

10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Dec-16	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jan-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Feb-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Mar-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Apr-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	May-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jun-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jul-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Aug-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Sep-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Oct-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Nov-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Dec-17	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jan-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Feb-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Mar-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Apr-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	May-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jun-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jul-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Aug-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Sep-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Oct-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Nov-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Dec-18	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jan-19	OEN	F

10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Feb-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Mar-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Apr-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	May-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jun-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Jul-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Aug-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Sep-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Oct-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Nov-19	OEN	F
10/4/16	ERCOT North LZ RT Off-Peak	Off-Peak Futures	Dec-19	OEN	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Sep-16	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Oct-16	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Nov-16	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Dec-16	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jan-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Feb-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Mar-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Apr-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	May-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jun-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jul-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Aug-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Sep-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Oct-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Nov-17	OES	F

10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Dec-17	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jan-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Feb-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Mar-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Apr-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	May-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jun-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jul-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Aug-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Sep-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Oct-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Nov-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Dec-18	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jan-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Feb-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Mar-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Apr-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	May-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jun-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Jul-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Aug-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Sep-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Oct-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Nov-19	OES	F
10/4/16	ERCOT South LZ RT Off-Peak	Off-Peak Futures	Dec-19	OES	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Sep-16	OEW	F

10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Oct-16	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Nov-16	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Dec-16	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jan-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Feb-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Mar-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Apr-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	May-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jun-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jul-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Aug-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Sep-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Oct-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Nov-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Dec-17	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jan-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Feb-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Mar-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Apr-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	May-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jun-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jul-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Aug-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Sep-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Oct-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Nov-18	OEW	F

10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Dec-18	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jan-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Feb-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Mar-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Apr-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	May-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jun-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Jul-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Aug-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Sep-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Oct-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Nov-19	OEW	F
10/4/16	ERCOT West LZ RT Off-Peak	Off-Peak Futures	Dec-19	OEW	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-16	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-17	OFP	F

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-17	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-18	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-19	OFP	F

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-19	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-20	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-21	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-22	OFP	F

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-22	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-23	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-24	OFP	F

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-24	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-25	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jan-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Feb-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Mar-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Apr-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	May-26	OFP	F

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jun-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Jul-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Aug-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-26	OFP	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-26	OFP	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-16	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-16	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-16	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-17	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-18	OMC	F

10/4/16	Mid C Off-Peak	Off-Peak Futures	May-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-18	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-19	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-20	OMC	F

10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-20	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-21	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-22	OMC	F

10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-22	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-23	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-24	OMC	F

10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-24	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-25	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jan-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Feb-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Mar-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Apr-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	May-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jun-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Jul-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Aug-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Sep-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Oct-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Nov-26	OMC	F
10/4/16	Mid C Off-Peak	Off-Peak Futures	Dec-26	OMC	F

10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-16	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-16	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-16	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-16	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-17	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-18	OMI	F

10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-18	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-19	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-20	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-20	OMI	F

10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-21	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-22	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-23	OMI	F

10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-23	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-24	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jan-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Feb-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Mar-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Apr-25	OMI	F

10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	May-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jun-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Jul-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Aug-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Sep-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Oct-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Nov-25	OMI	F
10/4/16	PJM WH RT Off-Peak Mini	Off-Peak Futures	Dec-25	OMI	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Sep-16	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Oct-16	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Nov-16	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Dec-16	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jan-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Feb-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Mar-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Apr-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	May-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jun-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jul-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Aug-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Sep-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Oct-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Nov-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Dec-17	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jan-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Feb-18	ONA	F

10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Mar-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Apr-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	May-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jun-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jul-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Aug-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Sep-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Oct-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Nov-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Dec-18	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jan-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Feb-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Mar-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Apr-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	May-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jun-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jul-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Aug-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Sep-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Oct-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Nov-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Dec-19	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jan-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Feb-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Mar-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Apr-20	ONA	F

10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	May-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jun-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jul-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Aug-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Sep-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Oct-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Nov-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Dec-20	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jan-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Feb-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Mar-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Apr-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	May-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jun-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Jul-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Aug-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Sep-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Oct-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Nov-21	ONA	F
10/4/16	NYISO A Off-Peak Mini	Off-Peak Futures	Dec-21	ONA	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Sep-16	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Oct-16	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Nov-16	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Dec-16	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jan-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Feb-17	ONG	F

10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Mar-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Apr-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	May-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jun-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jul-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Aug-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Sep-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Oct-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Nov-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Dec-17	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jan-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Feb-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Mar-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Apr-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	May-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jun-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jul-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Aug-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Sep-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Oct-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Nov-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Dec-18	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jan-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Feb-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Mar-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Apr-19	ONG	F

10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	May-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jun-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jul-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Aug-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Sep-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Oct-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Nov-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Dec-19	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jan-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Feb-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Mar-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Apr-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	May-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jun-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jul-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Aug-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Sep-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Oct-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Nov-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Dec-20	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jan-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Feb-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Mar-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Apr-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	May-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jun-21	ONG	F

10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Jul-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Aug-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Sep-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Oct-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Nov-21	ONG	F
10/4/16	NYISO G Off-Peak Mini	Off-Peak Futures	Dec-21	ONG	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Sep-16	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Oct-16	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Nov-16	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Dec-16	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jan-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Feb-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Mar-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Apr-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	May-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jun-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jul-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Aug-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Sep-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Oct-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Nov-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Dec-17	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jan-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Feb-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Mar-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Apr-18	ONJ	F

10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	May-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jun-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jul-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Aug-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Sep-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Oct-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Nov-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Dec-18	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jan-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Feb-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Mar-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Apr-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	May-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jun-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jul-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Aug-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Sep-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Oct-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Nov-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Dec-19	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jan-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Feb-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Mar-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Apr-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	May-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jun-20	ONJ	F

10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jul-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Aug-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Sep-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Oct-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Nov-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Dec-20	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jan-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Feb-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Mar-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Apr-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	May-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jun-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Jul-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Aug-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Sep-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Oct-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Nov-21	ONJ	F
10/4/16	NYISO J Off-Peak Mini	Off-Peak Futures	Dec-21	ONJ	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-16	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jan-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Feb-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Mar-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Apr-17	ONP	F

10/4/16	NP15 DA Off-Peak	Off-Peak Futures	May-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jun-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jul-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Aug-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-17	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jan-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Feb-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Mar-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Apr-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	May-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jun-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jul-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Aug-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-18	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jan-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Feb-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Mar-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Apr-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	May-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jun-19	ONP	F

10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jul-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Aug-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-19	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jan-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Feb-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Mar-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Apr-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	May-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jun-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Jul-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Aug-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-20	ONP	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-20	ONP	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-16	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-16	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-16	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-16	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-17	OPJ	F

10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-17	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-18	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-19	OPJ	F

10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-19	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-20	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-21	OPJ	F

10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-21	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-22	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-23	OPJ	F

10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-23	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-24	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jan-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Feb-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Mar-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Apr-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	May-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jun-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Jul-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Aug-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Sep-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Oct-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Nov-25	OPJ	F
10/4/16	PJM WH RT Off-Peak	Off-Peak Futures	Dec-25	OPJ	F

10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-17	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-18	OVP	F

10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-18	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-19	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-20	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-21	OVP	F

10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-21	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-22	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-23	OVP	F

10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-23	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-24	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-25	OVP	F

10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-25	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jan-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Feb-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Mar-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Apr-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	May-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jun-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Jul-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Aug-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Sep-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-26	OVP	F
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-26	OVP	F
10/4/16	SREC-PA V17	SREC-PA Futures	Jun-17	PA7	F
10/4/16	SREC-PA V17	SREC-PA Futures	Jul-17	PA7	F
10/4/16	SREC-PA V18	SREC-PA Futures	Jun-18	PA8	F
10/4/16	SREC-PA V18	SREC-PA Futures	Jul-18	PA8	F
10/4/16	SREC-PA V19	SREC-PA Futures	Jun-19	PA9	F
10/4/16	SREC-PA V19	SREC-PA Futures	Jul-19	PA9	F
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D

10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D

10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAH	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D

10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D

10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAI	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D

10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D

10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAK	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D

10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAL	D
10/4/16	PJM AEP DA	Peak Futures	Sep-16	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Oct-16	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Nov-16	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Dec-16	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jan-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Feb-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Mar-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Apr-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	May-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jun-17	PAS	F

10/4/16	PJM AEP DA	Peak Futures	Jul-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Aug-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Sep-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Oct-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Nov-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Dec-17	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jan-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Feb-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Mar-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Apr-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	May-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jun-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jul-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Aug-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Sep-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Oct-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Nov-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Dec-18	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jan-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Feb-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Mar-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Apr-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	May-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jun-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jul-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Aug-19	PAS	F

10/4/16	PJM AEP DA	Peak Futures	Sep-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Oct-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Nov-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Dec-19	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jan-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Feb-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Mar-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Apr-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	May-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jun-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Jul-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Aug-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Sep-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Oct-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Nov-20	PAS	F
10/4/16	PJM AEP DA	Peak Futures	Dec-20	PAS	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Sep-16	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-16	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-16	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Dec-16	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jan-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Feb-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Mar-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Apr-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	May-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jun-17	PAT	F

10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jul-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Aug-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Sep-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Dec-17	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jan-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Feb-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Mar-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Apr-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	May-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jun-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jul-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Aug-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Sep-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Dec-18	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jan-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Feb-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Mar-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Apr-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	May-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jun-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jul-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Aug-19	PAT	F

10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Sep-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Dec-19	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jan-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Feb-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Mar-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Apr-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	May-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jun-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Jul-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Aug-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Sep-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Oct-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Nov-20	PAT	F
10/4/16	PJM AEP DA Off-Peak	Off-Peak Futures	Dec-20	PAT	F
10/4/16	PJM ATSI DA	Peak Futures	Sep-16	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Oct-16	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Nov-16	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Dec-16	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jan-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Feb-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Mar-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Apr-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	May-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jun-17	PAV	F

10/4/16	PJM ATSI DA	Peak Futures	Jul-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Aug-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Sep-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Oct-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Nov-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Dec-17	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jan-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Feb-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Mar-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Apr-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	May-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jun-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jul-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Aug-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Sep-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Oct-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Nov-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Dec-18	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jan-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Feb-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Mar-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Apr-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	May-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jun-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jul-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Aug-19	PAV	F

10/4/16	PJM ATSI DA	Peak Futures	Sep-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Oct-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Nov-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Dec-19	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jan-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Feb-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Mar-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Apr-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	May-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jun-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Jul-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Aug-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Sep-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Oct-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Nov-20	PAV	F
10/4/16	PJM ATSI DA	Peak Futures	Dec-20	PAV	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Sep-16	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-16	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-16	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Dec-16	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jan-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Feb-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Mar-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Apr-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	May-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jun-17	PAW	F

10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jul-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Aug-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Sep-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Dec-17	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jan-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Feb-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Mar-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Apr-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	May-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jun-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jul-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Aug-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Sep-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Dec-18	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jan-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Feb-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Mar-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Apr-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	May-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jun-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jul-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Aug-19	PAW	F

10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Sep-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Dec-19	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jan-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Feb-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Mar-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Apr-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	May-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jun-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Jul-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Aug-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Sep-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Oct-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Nov-20	PAW	F
10/4/16	PJM ATSI DA Off-Peak	Off-Peak Futures	Dec-20	PAW	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Sep-16	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Dec-16	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jan-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Feb-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Mar-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Apr-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	May-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jun-17	PCO	F

10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jul-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Aug-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Sep-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Dec-17	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jan-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Feb-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Mar-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Apr-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	May-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jun-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jul-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Aug-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Sep-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Dec-18	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jan-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Feb-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Mar-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Apr-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	May-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jun-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jul-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Aug-19	PCO	F

10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Sep-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Dec-19	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jan-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Feb-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Mar-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Apr-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	May-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jun-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Jul-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Aug-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Sep-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-20	PCO	F
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Dec-20	PCO	F
10/4/16	PJM PECO DA	Peak Futures	Sep-16	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Dec-16	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jan-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Feb-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Mar-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Apr-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	May-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jun-17	PCP	F

10/4/16	PJM PECO DA	Peak Futures	Jul-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Aug-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Sep-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Oct-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Nov-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Dec-17	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jan-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Feb-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Mar-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Apr-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	May-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jun-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jul-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Aug-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Sep-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Oct-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Nov-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Dec-18	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jan-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Feb-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Mar-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Apr-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	May-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jun-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jul-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Aug-19	PCP	F

10/4/16	PJM PECO DA	Peak Futures	Sep-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Oct-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Nov-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Dec-19	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jan-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Feb-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Mar-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Apr-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	May-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jun-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Jul-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Aug-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Sep-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Oct-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Nov-20	PCP	F
10/4/16	PJM PECO DA	Peak Futures	Dec-20	PCP	F
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-16	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jan-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Feb-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Mar-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Apr-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	May-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Jun-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Jul-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Aug-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Sep-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Sep-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Sep-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Sep-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Sep-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Sep-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Sep-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Oct-17	PDA	D

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10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
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10/4/16	PJM WH DA (Daily)	Peak Futures	Nov-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D

10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM WH DA (Daily)	Peak Futures	Dec-17	PDA	D
10/4/16	PJM RTO DL	Daily Load Futures	Sep-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Sep-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Sep-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Sep-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Sep-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM RTO DL	Daily Load Futures	Oct-16	PDF	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D

10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D

10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D

10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PDO	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D

10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Oct-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D

10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Nov-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D

10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT	Peak Futures	Dec-16	PDP	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-16	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jan-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Feb-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Mar-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Apr-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	May-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jun-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Jul-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Aug-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Sep-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Oct-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Nov-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D

10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM WH RT (Look Back)	Peak Futures	Dec-17	PDQ	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D

10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Oct-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D

10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA	Peak Futures	Nov-16	PDV	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D

10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Oct-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D

10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM ComEd DA Off-Peak	Off-Peak Futures	Nov-16	PDW	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D

10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEA	D
10/4/16	PJM EH DA	Peak Futures	Sep-16	PEB	F
10/4/16	PJM EH DA	Peak Futures	Oct-16	PEB	F
10/4/16	PJM EH DA	Peak Futures	Nov-16	PEB	F
10/4/16	PJM EH DA	Peak Futures	Dec-16	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jan-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Feb-17	PEB	F

10/4/16	PJM EH DA	Peak Futures	Mar-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Apr-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	May-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jun-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jul-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Aug-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Sep-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Oct-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Nov-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Dec-17	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jan-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Feb-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Mar-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Apr-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	May-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jun-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jul-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Aug-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Sep-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Oct-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Nov-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Dec-18	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jan-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Feb-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Mar-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Apr-19	PEB	F

10/4/16	PJM EH DA	Peak Futures	May-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jun-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jul-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Aug-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Sep-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Oct-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Nov-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Dec-19	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jan-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Feb-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Mar-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Apr-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	May-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jun-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Jul-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Aug-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Sep-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Oct-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Nov-20	PEB	F
10/4/16	PJM EH DA	Peak Futures	Dec-20	PEB	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D

10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D

10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PEC	D
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Sep-16	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-16	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-16	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Dec-16	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jan-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Feb-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Mar-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Apr-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	May-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jun-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jul-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Aug-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Sep-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Dec-17	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jan-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Feb-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Mar-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Apr-18	PED	F

10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	May-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jun-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jul-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Aug-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Sep-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Dec-18	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jan-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Feb-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Mar-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Apr-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	May-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jun-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jul-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Aug-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Sep-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Dec-19	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jan-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Feb-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Mar-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Apr-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	May-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jun-20	PED	F

10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Jul-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Aug-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Sep-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Oct-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Nov-20	PED	F
10/4/16	PJM EH DA Off-Peak	Off-Peak Futures	Dec-20	PED	F
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D

10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFJ	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D

10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D

10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFK	D
10/4/16	PJM FE Ohio DA	Peak Futures	Sep-16	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-16	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-16	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Dec-16	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jan-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Feb-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Mar-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Apr-17	PFN	F

10/4/16	PJM FE Ohio DA	Peak Futures	May-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jun-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jul-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Aug-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Sep-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Dec-17	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jan-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Feb-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Mar-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Apr-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	May-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jun-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jul-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Aug-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Sep-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Dec-18	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jan-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Feb-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Mar-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Apr-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	May-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jun-19	PFN	F

10/4/16	PJM FE Ohio DA	Peak Futures	Jul-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Aug-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Sep-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Dec-19	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jan-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Feb-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Mar-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Apr-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	May-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jun-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Jul-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Aug-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Sep-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Oct-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Nov-20	PFN	F
10/4/16	PJM FE Ohio DA	Peak Futures	Dec-20	PFN	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Sep-16	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-16	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-16	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Dec-16	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jan-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Feb-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Mar-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Apr-17	PFO	F

10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	May-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jun-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jul-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Aug-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Sep-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Dec-17	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jan-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Feb-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Mar-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Apr-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	May-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jun-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jul-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Aug-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Sep-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Dec-18	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jan-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Feb-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Mar-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Apr-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	May-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jun-19	PFO	F

10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jul-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Aug-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Sep-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Dec-19	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jan-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Feb-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Mar-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Apr-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	May-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jun-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Jul-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Aug-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Sep-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Oct-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Nov-20	PFO	F
10/4/16	PJM FE Ohio DA Off-Peak	Off-Peak Futures	Dec-20	PFO	F
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D

10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
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10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
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10/4/16	PJM DEOK DA	Peak Futures	Oct-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
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10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
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10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
10/4/16	PJM DEOK DA	Peak Futures	Nov-16	PFP	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D

10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Oct-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D

10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM DEOK DA Off-Peak	Off-Peak Futures	Nov-16	PFQ	D
10/4/16	PJM METED DA	Peak Futures	Oct-16	PFR	D
10/4/16	PJM METED DA	Peak Futures	Oct-16	PFR	D
10/4/16	PJM METED DA	Peak Futures	Oct-16	PFR	D
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10/4/16	PJM METED DA	Peak Futures	Oct-16	PFR	D
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10/4/16	PJM METED DA	Peak Futures	Nov-16	PFR	D
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10/4/16	PJM METED DA	Peak Futures	Nov-16	PFR	D
10/4/16	PJM METED DA	Peak Futures	Nov-16	PFR	D
10/4/16	PJM METED DA	Peak Futures	Nov-16	PFR	D
10/4/16	PJM METED DA	Peak Futures	Nov-16	PFR	D
10/4/16	PJM METED DA	Peak Futures	Nov-16	PFR	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D

10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PFS	D

10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PFS	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
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10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D

10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
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10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
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10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
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10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Oct-16	PFT	D
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10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D

10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA	Peak Futures	Nov-16	PFT	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D

10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Oct-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D

10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM PECO DA Off-Peak	Off-Peak Futures	Nov-16	PFU	D
10/4/16	PJM WH DA	Peak Futures	Sep-16	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-16	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-16	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-16	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-17	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-18	PJC	F

10/4/16	PJM WH DA	Peak Futures	Sep-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-18	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-19	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-20	PJC	F

10/4/16	PJM WH DA	Peak Futures	Nov-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-20	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-21	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-22	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-22	PJC	F

10/4/16	PJM WH DA	Peak Futures	Jan-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-23	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Mar-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-24	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jan-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Feb-25	PJC	F

10/4/16	PJM WH DA	Peak Futures	Mar-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Apr-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	May-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jun-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Jul-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Aug-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Sep-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Oct-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Nov-25	PJC	F
10/4/16	PJM WH DA	Peak Futures	Dec-25	PJC	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-16	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-16	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-16	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-16	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-17	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-17	PJD	F

10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-18	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-19	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-20	PJD	F

10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-20	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-21	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-22	PJD	F

10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-22	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-23	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-24	PJD	F

10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-24	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jan-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Feb-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Mar-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Apr-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	May-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jun-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Jul-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Aug-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Sep-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Oct-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Nov-25	PJD	F
10/4/16	PJM WH DA Off-Peak	Off-Peak Futures	Dec-25	PJD	F
10/4/16	PJM WH RT	Peak Futures	Sep-16	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-16	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-16	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-16	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-17	PJM	F

10/4/16	PJM WH RT	Peak Futures	May-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-17	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-18	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-19	PJM	F

10/4/16	PJM WH RT	Peak Futures	Jul-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-19	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-20	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-21	PJM	F

10/4/16	PJM WH RT	Peak Futures	Sep-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-21	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-22	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-23	PJM	F

10/4/16	PJM WH RT	Peak Futures	Nov-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-23	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-24	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jan-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Feb-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Mar-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Apr-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	May-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jun-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Jul-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Aug-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Sep-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Oct-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Nov-25	PJM	F
10/4/16	PJM WH RT	Peak Futures	Dec-25	PJM	F

10/4/16	PJM METED DA	Peak Futures	Sep-16	PMB	F
10/4/16	PJM METED DA	Peak Futures	Oct-16	PMB	F
10/4/16	PJM METED DA	Peak Futures	Nov-16	PMB	F
10/4/16	PJM METED DA	Peak Futures	Dec-16	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jan-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Feb-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Mar-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Apr-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	May-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jun-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jul-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Aug-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Sep-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Oct-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Nov-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Dec-17	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jan-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Feb-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Mar-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Apr-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	May-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jun-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jul-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Aug-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Sep-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Oct-18	PMB	F

10/4/16	PJM METED DA	Peak Futures	Nov-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Dec-18	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jan-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Feb-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Mar-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Apr-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	May-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jun-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jul-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Aug-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Sep-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Oct-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Nov-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Dec-19	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jan-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Feb-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Mar-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Apr-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	May-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jun-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Jul-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Aug-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Sep-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Oct-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Nov-20	PMB	F
10/4/16	PJM METED DA	Peak Futures	Dec-20	PMB	F

10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Sep-16	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-16	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-16	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Dec-16	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jan-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Feb-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Mar-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Apr-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	May-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jun-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jul-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Aug-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Sep-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Dec-17	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jan-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Feb-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Mar-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Apr-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	May-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jun-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jul-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Aug-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Sep-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-18	PMD	F

10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Dec-18	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jan-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Feb-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Mar-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Apr-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	May-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jun-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jul-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Aug-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Sep-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Dec-19	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jan-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Feb-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Mar-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Apr-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	May-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jun-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Jul-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Aug-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Sep-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Oct-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Nov-20	PMD	F
10/4/16	PJM METED DA Off-Peak	Off-Peak Futures	Dec-20	PMD	F

10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D

10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PME	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D

10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D

10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PMF	D
10/4/16	PJM WH RT Mini	Peak Futures	Sep-16	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-16	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-16	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-16	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-17	PMI	F

10/4/16	PJM WH RT Mini	Peak Futures	Nov-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-17	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-18	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-19	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-19	PMI	F

10/4/16	PJM WH RT Mini	Peak Futures	Jan-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-20	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-21	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-22	PMI	F

10/4/16	PJM WH RT Mini	Peak Futures	Mar-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-22	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-23	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-24	PMI	F

10/4/16	PJM WH RT Mini	Peak Futures	May-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-24	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jan-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Feb-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Mar-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Apr-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	May-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jun-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Jul-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Aug-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Sep-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Oct-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Nov-25	PMI	F
10/4/16	PJM WH RT Mini	Peak Futures	Dec-25	PMI	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Sep-16	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Oct-16	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Nov-16	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Dec-16	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jan-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Feb-17	PMJ	F

10/4/16	PJM WH RT (50 MW)	Peak Futures	Mar-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Apr-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	May-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jun-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jul-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Aug-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Sep-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Oct-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Nov-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Dec-17	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jan-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Feb-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Mar-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Apr-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	May-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jun-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jul-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Aug-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Sep-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Oct-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Nov-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Dec-18	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jan-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Feb-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Mar-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Apr-19	PMJ	F

10/4/16	PJM WH RT (50 MW)	Peak Futures	May-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jun-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Jul-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Aug-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Sep-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Oct-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Nov-19	PMJ	F
10/4/16	PJM WH RT (50 MW)	Peak Futures	Dec-19	PMJ	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jan-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Feb-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Mar-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Apr-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	May-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jun-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jul-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Aug-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Sep-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Oct-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Nov-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Dec-17	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jan-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Feb-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Mar-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Apr-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	May-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jun-18	PMM	F

10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jul-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Aug-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Sep-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Oct-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Nov-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Dec-18	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jan-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Feb-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Mar-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Apr-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	May-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jun-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Jul-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Aug-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Sep-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Oct-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Nov-19	PMM	F
10/4/16	PJM WH RT Cal 1x Mini	Peak Futures	Dec-19	PMM	F
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D

10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Oct-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D

10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA	Peak Futures	Nov-16	PMN	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D

10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Oct-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D

10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM BGE DA Off-Peak	Off-Peak Futures	Nov-16	PMT	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D

10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PMV	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D

10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PMW	D

10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PMW	D
10/4/16	PJM WH RT Cal 1x	Peak Futures	Sep-16	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Oct-16	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Nov-16	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Dec-16	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jan-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Feb-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Mar-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Apr-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	May-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jun-17	PMX	F

10/4/16	PJM WH RT Cal 1x	Peak Futures	Jul-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Aug-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Sep-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Oct-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Nov-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Dec-17	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jan-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Feb-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Mar-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Apr-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	May-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jun-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jul-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Aug-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Sep-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Oct-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Nov-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Dec-18	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jan-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Feb-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Mar-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Apr-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	May-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jun-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Jul-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Aug-19	PMX	F

10/4/16	PJM WH RT Cal 1x	Peak Futures	Sep-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Oct-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Nov-19	PMX	F
10/4/16	PJM WH RT Cal 1x	Peak Futures	Dec-19	PMX	F
10/4/16	NI Hub RT	Peak Futures	Sep-16	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-16	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-16	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-16	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jul-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Sep-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-17	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-18	PNL	F

10/4/16	NI Hub RT	Peak Futures	Jul-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Sep-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-18	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jul-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Sep-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-19	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jul-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-20	PNL	F

10/4/16	NI Hub RT	Peak Futures	Sep-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-20	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jul-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Sep-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-21	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jul-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Sep-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-22	PNL	F

10/4/16	NI Hub RT	Peak Futures	Nov-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-22	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jul-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Sep-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-23	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jan-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Feb-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Mar-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Apr-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	May-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jun-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Jul-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Aug-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Sep-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Oct-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Nov-24	PNL	F
10/4/16	NI Hub RT	Peak Futures	Dec-24	PNL	F

10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-16	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-16	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-16	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-16	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-17	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-18	PNO	F

10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-18	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-19	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-20	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-20	PNO	F

10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-21	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-22	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-23	PNO	F

10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-23	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jan-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Feb-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Mar-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Apr-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	May-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jun-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Jul-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Aug-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Sep-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Oct-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Nov-24	PNO	F
10/4/16	NI Hub RT Off-Peak Mini	Off-Peak Futures	Dec-24	PNO	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-16	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-16	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-16	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-16	PNP	F

10/4/16	NI Hub RT Mini	Peak Futures	Jan-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Mar-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	May-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jul-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-17	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jan-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Mar-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	May-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jul-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-18	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jan-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-19	PNP	F

10/4/16	NI Hub RT Mini	Peak Futures	Mar-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	May-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jul-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-19	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jan-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Mar-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	May-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jul-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-20	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jan-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Mar-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-21	PNP	F

10/4/16	NI Hub RT Mini	Peak Futures	May-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jul-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-21	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jan-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Mar-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	May-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jul-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-22	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jan-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Mar-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	May-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-23	PNP	F

10/4/16	NI Hub RT Mini	Peak Futures	Jul-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-23	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jan-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Feb-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Mar-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Apr-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	May-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jun-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Jul-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Aug-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Sep-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Oct-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Nov-24	PNP	F
10/4/16	NI Hub RT Mini	Peak Futures	Dec-24	PNP	F
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D

10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Oct-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D

10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	Nepool MH DA Off-Peak	Off-Peak Futures	Nov-16	POP	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D

10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPE	D
10/4/16	PJM PEPCO DA	Peak Futures	Sep-16	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Oct-16	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Nov-16	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Dec-16	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jan-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Feb-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Mar-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Apr-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	May-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jun-17	PPF	F

10/4/16	PJM PEPCO DA	Peak Futures	Jul-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Aug-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Sep-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Oct-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Nov-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Dec-17	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jan-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Feb-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Mar-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Apr-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	May-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jun-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jul-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Aug-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Sep-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Oct-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Nov-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Dec-18	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jan-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Feb-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Mar-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Apr-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	May-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jun-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jul-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Aug-19	PPF	F

10/4/16	PJM PEPCO DA	Peak Futures	Sep-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Oct-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Nov-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Dec-19	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jan-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Feb-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Mar-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Apr-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	May-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jun-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Jul-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Aug-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Sep-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Oct-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Nov-20	PPF	F
10/4/16	PJM PEPCO DA	Peak Futures	Dec-20	PPF	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D

10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D

10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPG	D
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Sep-16	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-16	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-16	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Dec-16	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jan-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Feb-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Mar-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Apr-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	May-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jun-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jul-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Aug-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Sep-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Dec-17	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jan-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Feb-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Mar-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Apr-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	May-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jun-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jul-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Aug-18	PPH	F

10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Sep-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Dec-18	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jan-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Feb-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Mar-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Apr-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	May-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jun-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jul-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Aug-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Sep-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Dec-19	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jan-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Feb-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Mar-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Apr-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	May-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jun-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Jul-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Aug-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Sep-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Oct-20	PPH	F

10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Nov-20	PPH	F
10/4/16	PJM PEPCO DA Off-Peak	Off-Peak Futures	Dec-20	PPH	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Sep-16	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-16	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-16	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Dec-16	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jan-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Feb-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Mar-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Apr-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	May-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jun-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jul-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Aug-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Sep-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Dec-17	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jan-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Feb-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Mar-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Apr-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	May-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jun-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jul-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Aug-18	PPO	F

10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Sep-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Dec-18	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jan-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Feb-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Mar-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Apr-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	May-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jun-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jul-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Aug-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Sep-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Dec-19	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jan-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Feb-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Mar-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Apr-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	May-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jun-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Jul-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Aug-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Sep-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Oct-20	PPO	F

10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Nov-20	PPO	F
10/4/16	PJM PPL DA Off-Peak	Off-Peak Futures	Dec-20	PPO	F
10/4/16	PJM PPL DA	Peak Futures	Sep-16	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Oct-16	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Nov-16	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Dec-16	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jan-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Feb-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Mar-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Apr-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	May-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jun-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jul-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Aug-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Sep-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Oct-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Nov-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Dec-17	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jan-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Feb-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Mar-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Apr-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	May-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jun-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jul-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Aug-18	PPP	F

10/4/16	PJM PPL DA	Peak Futures	Sep-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Oct-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Nov-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Dec-18	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jan-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Feb-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Mar-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Apr-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	May-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jun-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jul-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Aug-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Sep-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Oct-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Nov-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Dec-19	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jan-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Feb-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Mar-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Apr-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	May-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jun-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Jul-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Aug-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Sep-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Oct-20	PPP	F

10/4/16	PJM PPL DA	Peak Futures	Nov-20	PPP	F
10/4/16	PJM PPL DA	Peak Futures	Dec-20	PPP	F
10/4/16	PJM Duquesne DA	Peak Futures	Sep-16	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Oct-16	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Nov-16	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Dec-16	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jan-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Feb-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Mar-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Apr-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	May-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jun-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jul-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Aug-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Sep-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Oct-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Nov-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Dec-17	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jan-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Feb-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Mar-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Apr-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	May-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jun-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jul-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Aug-18	PQB	F

10/4/16	PJM Duquesne DA	Peak Futures	Sep-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Oct-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Nov-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Dec-18	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jan-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Feb-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Mar-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Apr-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	May-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jun-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jul-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Aug-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Sep-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Oct-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Nov-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Dec-19	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jan-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Feb-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Mar-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Apr-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	May-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jun-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Jul-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Aug-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Sep-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Oct-20	PQB	F

10/4/16	PJM Duquesne DA	Peak Futures	Nov-20	PQB	F
10/4/16	PJM Duquesne DA	Peak Futures	Dec-20	PQB	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Sep-16	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Oct-16	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Nov-16	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Dec-16	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jan-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Feb-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Mar-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Apr-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	May-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jun-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jul-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Aug-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Sep-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Oct-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Nov-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Dec-17	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jan-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Feb-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Mar-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Apr-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	May-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jun-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jul-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Aug-18	PQD	F

10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Sep-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Oct-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Nov-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Dec-18	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jan-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Feb-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Mar-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Apr-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	May-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jun-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jul-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Aug-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Sep-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Oct-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Nov-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Dec-19	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jan-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Feb-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Mar-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Apr-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	May-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jun-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Jul-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Aug-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Sep-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Oct-20	PQD	F

10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Nov-20	PQD	F
10/4/16	PJM Duquesne DA Off-Peak	Off-Peak Futures	Dec-20	PQD	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Sep-16	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Dec-16	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jan-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Feb-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Mar-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Apr-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	May-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jun-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jul-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Aug-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Sep-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Dec-17	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jan-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Feb-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Mar-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Apr-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	May-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jun-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jul-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Aug-18	PSA	F

10/4/16	PJM PSEG Zone DA	Peak Futures	Sep-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Dec-18	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jan-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Feb-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Mar-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Apr-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	May-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jun-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jul-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Aug-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Sep-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Dec-19	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jan-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Feb-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Mar-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Apr-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	May-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jun-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Jul-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Aug-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Sep-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-20	PSA	F

10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-20	PSA	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Dec-20	PSA	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Sep-16	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Dec-16	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jan-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Feb-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Mar-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Apr-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	May-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jun-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jul-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Aug-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Sep-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Dec-17	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jan-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Feb-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Mar-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Apr-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	May-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jun-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jul-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Aug-18	PSB	F

10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Sep-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Dec-18	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jan-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Feb-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Mar-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Apr-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	May-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jun-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jul-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Aug-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Sep-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Dec-19	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jan-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Feb-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Mar-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Apr-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	May-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jun-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Jul-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Aug-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Sep-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-20	PSB	F

10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-20	PSB	F
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Dec-20	PSB	F
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D

10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Oct-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA	Peak Futures	Nov-16	PSC	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D

10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Oct-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D
10/4/16	PJM PSEG Zone DA Off-Peak	Off-Peak Futures	Nov-16	PSD	D

10/4/16	PJM AECO DA	Peak Futures	Sep-16	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Oct-16	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Nov-16	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Dec-16	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jan-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Feb-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Mar-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Apr-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	May-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jun-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jul-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Aug-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Sep-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Oct-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Nov-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Dec-17	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jan-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Feb-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Mar-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Apr-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	May-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jun-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jul-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Aug-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Sep-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Oct-18	PTB	F

10/4/16	PJM AECO DA	Peak Futures	Nov-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Dec-18	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jan-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Feb-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Mar-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Apr-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	May-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jun-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jul-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Aug-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Sep-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Oct-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Nov-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Dec-19	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jan-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Feb-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Mar-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Apr-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	May-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jun-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Jul-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Aug-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Sep-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Oct-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Nov-20	PTB	F
10/4/16	PJM AECO DA	Peak Futures	Dec-20	PTB	F

10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Sep-16	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-16	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-16	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Dec-16	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jan-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Feb-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Mar-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Apr-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	May-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jun-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jul-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Aug-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Sep-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Dec-17	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jan-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Feb-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Mar-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Apr-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	May-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jun-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jul-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Aug-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Sep-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-18	PTD	F

10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Dec-18	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jan-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Feb-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Mar-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Apr-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	May-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jun-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jul-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Aug-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Sep-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Dec-19	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jan-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Feb-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Mar-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Apr-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	May-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jun-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Jul-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Aug-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Sep-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Oct-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Nov-20	PTD	F
10/4/16	PJM AECO DA Off-Peak	Off-Peak Futures	Dec-20	PTD	F

10/4/16	PJM APS DA	Peak Futures	Sep-16	PUB	F
10/4/16	PJM APS DA	Peak Futures	Oct-16	PUB	F
10/4/16	PJM APS DA	Peak Futures	Nov-16	PUB	F
10/4/16	PJM APS DA	Peak Futures	Dec-16	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jan-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Feb-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Mar-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Apr-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	May-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jun-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jul-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Aug-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Sep-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Oct-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Nov-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Dec-17	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jan-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Feb-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Mar-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Apr-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	May-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jun-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jul-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Aug-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Sep-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Oct-18	PUB	F

10/4/16	PJM APS DA	Peak Futures	Nov-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Dec-18	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jan-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Feb-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Mar-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Apr-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	May-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jun-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jul-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Aug-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Sep-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Oct-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Nov-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Dec-19	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jan-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Feb-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Mar-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Apr-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	May-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jun-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Jul-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Aug-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Sep-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Oct-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Nov-20	PUB	F
10/4/16	PJM APS DA	Peak Futures	Dec-20	PUB	F

10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Sep-16	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Oct-16	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Nov-16	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Dec-16	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jan-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Feb-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Mar-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Apr-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	May-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jun-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jul-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Aug-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Sep-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Oct-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Nov-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Dec-17	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jan-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Feb-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Mar-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Apr-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	May-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jun-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jul-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Aug-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Sep-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Oct-18	PUD	F

10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Nov-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Dec-18	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jan-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Feb-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Mar-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Apr-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	May-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jun-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jul-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Aug-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Sep-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Oct-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Nov-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Dec-19	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jan-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Feb-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Mar-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Apr-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	May-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jun-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Jul-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Aug-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Sep-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Oct-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Nov-20	PUD	F
10/4/16	PJM APS DA Off-Peak	Off-Peak Futures	Dec-20	PUD	F

10/4/16	Palo	Peak Futures	Oct-16	PVM	F
10/4/16	Palo	Peak Futures	Nov-16	PVM	F
10/4/16	Palo	Peak Futures	Dec-16	PVM	F
10/4/16	Palo	Peak Futures	Jan-17	PVM	F
10/4/16	Palo	Peak Futures	Feb-17	PVM	F
10/4/16	Palo	Peak Futures	Mar-17	PVM	F
10/4/16	Palo	Peak Futures	Apr-17	PVM	F
10/4/16	Palo	Peak Futures	May-17	PVM	F
10/4/16	Palo	Peak Futures	Jun-17	PVM	F
10/4/16	Palo	Peak Futures	Jul-17	PVM	F
10/4/16	Palo	Peak Futures	Aug-17	PVM	F
10/4/16	Palo	Peak Futures	Sep-17	PVM	F
10/4/16	Palo	Peak Futures	Oct-17	PVM	F
10/4/16	Palo	Peak Futures	Nov-17	PVM	F
10/4/16	Palo	Peak Futures	Dec-17	PVM	F
10/4/16	Palo	Peak Futures	Jan-18	PVM	F
10/4/16	Palo	Peak Futures	Feb-18	PVM	F
10/4/16	Palo	Peak Futures	Mar-18	PVM	F
10/4/16	Palo	Peak Futures	Apr-18	PVM	F
10/4/16	Palo	Peak Futures	May-18	PVM	F
10/4/16	Palo	Peak Futures	Jun-18	PVM	F
10/4/16	Palo	Peak Futures	Jul-18	PVM	F
10/4/16	Palo	Peak Futures	Aug-18	PVM	F
10/4/16	Palo	Peak Futures	Sep-18	PVM	F
10/4/16	Palo	Peak Futures	Oct-18	PVM	F
10/4/16	Palo	Peak Futures	Nov-18	PVM	F

10/4/16	Palo	Peak Futures	Dec-18	PVM	F
10/4/16	Palo	Peak Futures	Jan-19	PVM	F
10/4/16	Palo	Peak Futures	Feb-19	PVM	F
10/4/16	Palo	Peak Futures	Mar-19	PVM	F
10/4/16	Palo	Peak Futures	Apr-19	PVM	F
10/4/16	Palo	Peak Futures	May-19	PVM	F
10/4/16	Palo	Peak Futures	Jun-19	PVM	F
10/4/16	Palo	Peak Futures	Jul-19	PVM	F
10/4/16	Palo	Peak Futures	Aug-19	PVM	F
10/4/16	Palo	Peak Futures	Sep-19	PVM	F
10/4/16	Palo	Peak Futures	Oct-19	PVM	F
10/4/16	Palo	Peak Futures	Nov-19	PVM	F
10/4/16	Palo	Peak Futures	Dec-19	PVM	F
10/4/16	Palo	Peak Futures	Jan-20	PVM	F
10/4/16	Palo	Peak Futures	Feb-20	PVM	F
10/4/16	Palo	Peak Futures	Mar-20	PVM	F
10/4/16	Palo	Peak Futures	Apr-20	PVM	F
10/4/16	Palo	Peak Futures	May-20	PVM	F
10/4/16	Palo	Peak Futures	Jun-20	PVM	F
10/4/16	Palo	Peak Futures	Jul-20	PVM	F
10/4/16	Palo	Peak Futures	Aug-20	PVM	F
10/4/16	Palo	Peak Futures	Sep-20	PVM	F
10/4/16	Palo	Peak Futures	Oct-20	PVM	F
10/4/16	Palo	Peak Futures	Nov-20	PVM	F
10/4/16	Palo	Peak Futures	Dec-20	PVM	F
10/4/16	Palo	Peak Futures	Jan-21	PVM	F

10/4/16	Palo	Peak Futures	Feb-21	PVM	F
10/4/16	Palo	Peak Futures	Mar-21	PVM	F
10/4/16	Palo	Peak Futures	Apr-21	PVM	F
10/4/16	Palo	Peak Futures	May-21	PVM	F
10/4/16	Palo	Peak Futures	Jun-21	PVM	F
10/4/16	Palo	Peak Futures	Jul-21	PVM	F
10/4/16	Palo	Peak Futures	Aug-21	PVM	F
10/4/16	Palo	Peak Futures	Sep-21	PVM	F
10/4/16	Palo	Peak Futures	Oct-21	PVM	F
10/4/16	Palo	Peak Futures	Nov-21	PVM	F
10/4/16	Palo	Peak Futures	Dec-21	PVM	F
10/4/16	Palo	Peak Futures	Jan-22	PVM	F
10/4/16	Palo	Peak Futures	Feb-22	PVM	F
10/4/16	Palo	Peak Futures	Mar-22	PVM	F
10/4/16	Palo	Peak Futures	Apr-22	PVM	F
10/4/16	Palo	Peak Futures	May-22	PVM	F
10/4/16	Palo	Peak Futures	Jun-22	PVM	F
10/4/16	Palo	Peak Futures	Jul-22	PVM	F
10/4/16	Palo	Peak Futures	Aug-22	PVM	F
10/4/16	Palo	Peak Futures	Sep-22	PVM	F
10/4/16	Palo	Peak Futures	Oct-22	PVM	F
10/4/16	Palo	Peak Futures	Nov-22	PVM	F
10/4/16	Palo	Peak Futures	Dec-22	PVM	F
10/4/16	Palo	Peak Futures	Jan-23	PVM	F
10/4/16	Palo	Peak Futures	Feb-23	PVM	F
10/4/16	Palo	Peak Futures	Mar-23	PVM	F

10/4/16	Palo	Peak Futures	Apr-23	PVM	F
10/4/16	Palo	Peak Futures	May-23	PVM	F
10/4/16	Palo	Peak Futures	Jun-23	PVM	F
10/4/16	Palo	Peak Futures	Jul-23	PVM	F
10/4/16	Palo	Peak Futures	Aug-23	PVM	F
10/4/16	Palo	Peak Futures	Sep-23	PVM	F
10/4/16	Palo	Peak Futures	Oct-23	PVM	F
10/4/16	Palo	Peak Futures	Nov-23	PVM	F
10/4/16	Palo	Peak Futures	Dec-23	PVM	F
10/4/16	Palo	Peak Futures	Jan-24	PVM	F
10/4/16	Palo	Peak Futures	Feb-24	PVM	F
10/4/16	Palo	Peak Futures	Mar-24	PVM	F
10/4/16	Palo	Peak Futures	Apr-24	PVM	F
10/4/16	Palo	Peak Futures	May-24	PVM	F
10/4/16	Palo	Peak Futures	Jun-24	PVM	F
10/4/16	Palo	Peak Futures	Jul-24	PVM	F
10/4/16	Palo	Peak Futures	Aug-24	PVM	F
10/4/16	Palo	Peak Futures	Sep-24	PVM	F
10/4/16	Palo	Peak Futures	Oct-24	PVM	F
10/4/16	Palo	Peak Futures	Nov-24	PVM	F
10/4/16	Palo	Peak Futures	Dec-24	PVM	F
10/4/16	Palo	Peak Futures	Jan-25	PVM	F
10/4/16	Palo	Peak Futures	Feb-25	PVM	F
10/4/16	Palo	Peak Futures	Mar-25	PVM	F
10/4/16	Palo	Peak Futures	Apr-25	PVM	F
10/4/16	Palo	Peak Futures	May-25	PVM	F

10/4/16	Palo	Peak Futures	Jun-25	PVM	F
10/4/16	Palo	Peak Futures	Jul-25	PVM	F
10/4/16	Palo	Peak Futures	Aug-25	PVM	F
10/4/16	Palo	Peak Futures	Sep-25	PVM	F
10/4/16	Palo	Peak Futures	Oct-25	PVM	F
10/4/16	Palo	Peak Futures	Nov-25	PVM	F
10/4/16	Palo	Peak Futures	Dec-25	PVM	F
10/4/16	Palo	Peak Futures	Jan-26	PVM	F
10/4/16	Palo	Peak Futures	Feb-26	PVM	F
10/4/16	Palo	Peak Futures	Mar-26	PVM	F
10/4/16	Palo	Peak Futures	Apr-26	PVM	F
10/4/16	Palo	Peak Futures	May-26	PVM	F
10/4/16	Palo	Peak Futures	Jun-26	PVM	F
10/4/16	Palo	Peak Futures	Jul-26	PVM	F
10/4/16	Palo	Peak Futures	Aug-26	PVM	F
10/4/16	Palo	Peak Futures	Sep-26	PVM	F
10/4/16	Palo	Peak Futures	Oct-26	PVM	F
10/4/16	Palo	Peak Futures	Nov-26	PVM	F
10/4/16	Palo	Peak Futures	Dec-26	PVM	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Sep-16	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Oct-16	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Nov-16	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Dec-16	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jan-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Feb-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Mar-17	PWC	F

10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Apr-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	May-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jun-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jul-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Aug-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Sep-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Oct-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Nov-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Dec-17	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jan-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Feb-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Mar-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Apr-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	May-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jun-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jul-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Aug-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Sep-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Oct-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Nov-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Dec-18	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jan-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Feb-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Mar-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Apr-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	May-19	PWC	F

10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jun-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Jul-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Aug-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Sep-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Oct-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Nov-19	PWC	F
10/4/16	PJM WH RT Off-Peak Cal 1x	Off-Peak Futures	Dec-19	PWC	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Sep-16	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Oct-16	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Nov-16	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Dec-16	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jan-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Feb-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Mar-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Apr-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	May-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jun-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jul-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Aug-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Sep-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Oct-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Nov-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Dec-17	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jan-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Feb-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Mar-18	PWP	F

10/4/16	PJM WH RT PY 1x	Peak Futures	Apr-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	May-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jun-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jul-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Aug-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Sep-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Oct-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Nov-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Dec-18	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jan-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Feb-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Mar-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Apr-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	May-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jun-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jul-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Aug-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Sep-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Oct-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Nov-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Dec-19	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Jan-20	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Feb-20	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Mar-20	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	Apr-20	PWP	F
10/4/16	PJM WH RT PY 1x	Peak Futures	May-20	PWP	F

10/4/16	PJM DPL DA	Peak Futures	Sep-16	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Oct-16	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Nov-16	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Dec-16	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jan-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Feb-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Mar-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Apr-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	May-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jun-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jul-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Aug-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Sep-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Oct-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Nov-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Dec-17	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jan-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Feb-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Mar-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Apr-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	May-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jun-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jul-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Aug-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Sep-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Oct-18	PXB	F

10/4/16	PJM DPL DA	Peak Futures	Nov-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Dec-18	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jan-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Feb-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Mar-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Apr-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	May-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jun-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jul-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Aug-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Sep-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Oct-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Nov-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Dec-19	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jan-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Feb-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Mar-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Apr-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	May-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jun-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Jul-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Aug-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Sep-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Oct-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Nov-20	PXB	F
10/4/16	PJM DPL DA	Peak Futures	Dec-20	PXB	F

10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Sep-16	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Oct-16	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Nov-16	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Dec-16	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jan-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Feb-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Mar-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Apr-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	May-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jun-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jul-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Aug-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Sep-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Oct-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Nov-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Dec-17	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jan-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Feb-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Mar-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Apr-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	May-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jun-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jul-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Aug-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Sep-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Oct-18	PXD	F

10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Nov-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Dec-18	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jan-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Feb-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Mar-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Apr-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	May-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jun-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jul-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Aug-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Sep-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Oct-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Nov-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Dec-19	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jan-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Feb-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Mar-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Apr-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	May-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jun-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Jul-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Aug-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Sep-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Oct-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Nov-20	PXD	F
10/4/16	PJM DPL DA Off-Peak	Off-Peak Futures	Dec-20	PXD	F

10/4/16	PJM PENELEC DA	Peak Futures	Sep-16	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Oct-16	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Nov-16	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Dec-16	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jan-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Feb-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Mar-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Apr-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	May-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jun-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jul-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Aug-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Sep-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Oct-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Nov-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Dec-17	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jan-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Feb-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Mar-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Apr-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	May-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jun-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jul-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Aug-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Sep-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Oct-18	PZB	F

10/4/16	PJM PENELEC DA	Peak Futures	Nov-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Dec-18	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jan-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Feb-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Mar-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Apr-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	May-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jun-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jul-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Aug-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Sep-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Oct-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Nov-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Dec-19	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jan-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Feb-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Mar-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Apr-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	May-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jun-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Jul-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Aug-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Sep-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Oct-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Nov-20	PZB	F
10/4/16	PJM PENELEC DA	Peak Futures	Dec-20	PZB	F

10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Sep-16	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Oct-16	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Nov-16	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Dec-16	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jan-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Feb-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Mar-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Apr-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	May-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jun-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jul-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Aug-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Sep-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Oct-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Nov-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Dec-17	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jan-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Feb-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Mar-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Apr-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	May-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jun-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jul-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Aug-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Sep-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Oct-18	PZD	F

10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Nov-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Dec-18	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jan-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Feb-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Mar-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Apr-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	May-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jun-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jul-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Aug-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Sep-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Oct-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Nov-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Dec-19	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jan-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Feb-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Mar-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Apr-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	May-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jun-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Jul-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Aug-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Sep-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Oct-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Nov-20	PZD	F
10/4/16	PJM PENELEC DA Off-Peak	Off-Peak Futures	Dec-20	PZD	F

10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D

10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Oct-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D

10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Nov-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	Palo Off-Peak	Off-Peak Futures	Dec-16	QVP	D
10/4/16	RGGI V13	RGGI Futures	Dec-16	RGL	F
10/4/16	RGGI V13	RGGI Futures	Dec-17	RGL	F
10/4/16	RGGI V13	RGGI Futures	Dec-18	RGL	F
10/4/16	RGGI V13	RGGI Futures	Dec-19	RGL	F
10/4/16	RGGI V14	RGGI Futures	Dec-16	RGM	F
10/4/16	RGGI V14	RGGI Futures	Dec-17	RGM	F
10/4/16	RGGI V14	RGGI Futures	Dec-18	RGM	F
10/4/16	RGGI V15	RGGI Futures	Oct-16	RGN	F

10/4/16	RGGI V15	RGGI Futures	Nov-16	RGN	F
10/4/16	RGGI V15	RGGI Futures	Dec-16	RGN	F
10/4/16	RGGI V15	RGGI Futures	Jan-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Feb-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Mar-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Apr-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	May-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Jun-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Jul-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Aug-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Sep-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Oct-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Nov-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Dec-17	RGN	F
10/4/16	RGGI V15	RGGI Futures	Mar-18	RGN	F
10/4/16	RGGI V15	RGGI Futures	Jun-18	RGN	F
10/4/16	RGGI V15	RGGI Futures	Sep-18	RGN	F
10/4/16	RGGI V15	RGGI Futures	Dec-18	RGN	F
10/4/16	RGGI V16	RGGI Futures	Oct-16	RGO	F
10/4/16	RGGI V16	RGGI Futures	Nov-16	RGO	F
10/4/16	RGGI V16	RGGI Futures	Dec-16	RGO	F
10/4/16	RGGI V16	RGGI Futures	Jan-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Feb-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Mar-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Apr-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	May-17	RGO	F

10/4/16	RGGI V16	RGGI Futures	Jun-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Jul-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Aug-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Sep-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Oct-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Nov-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Dec-17	RGO	F
10/4/16	RGGI V16	RGGI Futures	Mar-18	RGO	F
10/4/16	RGGI V16	RGGI Futures	Jun-18	RGO	F
10/4/16	RGGI V16	RGGI Futures	Sep-18	RGO	F
10/4/16	RGGI V16	RGGI Futures	Dec-18	RGO	F
10/4/16	RGGI V16	RGGI Futures	Dec-19	RGO	F
10/4/16	RGGI V16	RGGI Futures	Dec-20	RGO	F
10/4/16	RGGI V17	RGGI Futures	Oct-16	RGP	F
10/4/16	RGGI V17	RGGI Futures	Nov-16	RGP	F
10/4/16	RGGI V17	RGGI Futures	Dec-16	RGP	F
10/4/16	RGGI V17	RGGI Futures	Jan-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Feb-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Mar-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Apr-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	May-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Jun-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Jul-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Aug-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Sep-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Oct-17	RGP	F

10/4/16	RGGI V17	RGGI Futures	Nov-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Dec-17	RGP	F
10/4/16	RGGI V17	RGGI Futures	Dec-18	RGP	F
10/4/16	RGGI V17	RGGI Futures	Dec-19	RGP	F
10/4/16	RGGI V17	RGGI Futures	Dec-20	RGP	F
10/4/16	RGGI V18	RGGI Futures	Oct-16	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Nov-16	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Dec-16	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Mar-17	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Jun-17	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Sep-17	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Dec-17	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Mar-18	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Jun-18	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Sep-18	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Dec-18	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Dec-19	RGQ	F
10/4/16	RGGI V18	RGGI Futures	Dec-20	RGQ	F
10/4/16	RGGI V19	RGGI Futures	Oct-16	RGR	F
10/4/16	RGGI V19	RGGI Futures	Nov-16	RGR	F
10/4/16	RGGI V19	RGGI Futures	Dec-16	RGR	F
10/4/16	RGGI V19	RGGI Futures	Mar-17	RGR	F
10/4/16	RGGI V19	RGGI Futures	Jun-17	RGR	F
10/4/16	RGGI V19	RGGI Futures	Sep-17	RGR	F
10/4/16	RGGI V19	RGGI Futures	Dec-17	RGR	F
10/4/16	RGGI V19	RGGI Futures	Mar-18	RGR	F

10/4/16	RGGI V19	RGGI Futures	Jun-18	RGR	F
10/4/16	RGGI V19	RGGI Futures	Sep-18	RGR	F
10/4/16	RGGI V19	RGGI Futures	Dec-18	RGR	F
10/4/16	RGGI V19	RGGI Futures	Dec-19	RGR	F
10/4/16	RGGI V19	RGGI Futures	Dec-20	RGR	F
10/4/16	ISO-NE RI DA	Peak Futures	Sep-16	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Oct-16	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Nov-16	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Dec-16	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jan-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Feb-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Mar-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Apr-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	May-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jun-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jul-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Aug-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Sep-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Oct-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Nov-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Dec-17	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jan-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Feb-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Mar-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Apr-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	May-18	RIY	F

10/4/16	ISO-NE RI DA	Peak Futures	Jun-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jul-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Aug-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Sep-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Oct-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Nov-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Dec-18	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jan-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Feb-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Mar-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Apr-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	May-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jun-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Jul-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Aug-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Sep-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Oct-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Nov-19	RIY	F
10/4/16	ISO-NE RI DA	Peak Futures	Dec-19	RIY	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Sep-16	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Oct-16	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Nov-16	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Dec-16	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jan-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Feb-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Mar-17	RIZ	F

10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Apr-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	May-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jun-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jul-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Aug-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Sep-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Oct-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Nov-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Dec-17	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jan-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Feb-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Mar-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Apr-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	May-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jun-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jul-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Aug-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Sep-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Oct-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Nov-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Dec-18	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jan-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Feb-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Mar-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Apr-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	May-19	RIZ	F

10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jun-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Jul-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Aug-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Sep-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Oct-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Nov-19	RIZ	F
10/4/16	ISO-NE RI DA Off-Peak	Off-Peak Futures	Dec-19	RIZ	F
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-16	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-16	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-16	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Oct-16	SDP	D
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10/4/16	SP15 DA (Daily)	Peak Futures	Oct-16	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Oct-16	SDP	D

10/4/16	SP15 DA (Daily)	Peak Futures	Oct-16	SDP	D
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10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	May-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D

10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jun-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D

10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
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10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D

10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Jul-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D

10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Aug-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
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10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D

10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	SP15 DA (Daily)	Peak Futures	Sep-17	SDP	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Sep-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Sep-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Sep-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Sep-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Sep-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Oct-16	SEA	D
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10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Oct-16	SEA	D
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10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Nov-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Nov-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Nov-16	SEA	D

10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Nov-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Nov-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Nov-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Nov-16	SEA	D
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10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Dec-16	SEA	D
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10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Dec-16	SEA	D

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10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Dec-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Dec-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Dec-16	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D

10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
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10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
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10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D

10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Jan-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Feb-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Feb-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Feb-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Feb-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Feb-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Feb-17	SEA	D
10/4/16	ERCOT South 345KV Hub DA	Peak Futures	Feb-17	SEA	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	May-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-17	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-17	SEB	F

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	May-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-18	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	May-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-19	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-20	SEB	F

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	May-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-20	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	May-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-21	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-22	SEB	F

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	May-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-22	SEB	F
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-22	SEB	F
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D

10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D

10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D

10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D

10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Dec-16	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D

10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	SEC	D
10/4/16	ERCOT South 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	SEC	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D

10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	SED	D
10/4/16	ERCOT South 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	SED	D
10/4/16	SFI V14	SFI Futures	Dec-16	SFM	F
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D

10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Oct-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D

10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA Off-Peak	Off-Peak Futures	Nov-16	SNO	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D

10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Oct-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	SPP North DA	Peak Futures	Nov-16	SNR	D
10/4/16	CSAPR SO2 Group 1 V15	CSAPR SO2 Futures	Oct-16	SOM	F
10/4/16	CSAPR SO2 Group 1 V15	CSAPR SO2 Futures	Nov-16	SOM	F

10/4/16	CSAPR SO2 Group 1 V15	CSAPR SO2 Futures	Dec-16	SOM	F
10/4/16	CSAPR SO2 Group 1 V16	CSAPR SO2 Futures	Oct-16	SOP	F
10/4/16	CSAPR SO2 Group 1 V16	CSAPR SO2 Futures	Nov-16	SOP	F
10/4/16	CSAPR SO2 Group 1 V16	CSAPR SO2 Futures	Dec-16	SOP	F
10/4/16	CSAPR SO2 Group 1 V16	CSAPR SO2 Futures	Mar-17	SOP	F
10/4/16	CSAPR SO2 Group 1 V16	CSAPR SO2 Futures	Jun-17	SOP	F
10/4/16	CSAPR SO2 Group 1 V16	CSAPR SO2 Futures	Sep-17	SOP	F
10/4/16	CSAPR SO2 Group 1 V16	CSAPR SO2 Futures	Dec-17	SOP	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Oct-16	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Nov-16	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Dec-16	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jan-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Feb-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Mar-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Apr-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	May-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jun-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jul-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Aug-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Sep-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Oct-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Nov-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Dec-17	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jan-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Feb-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Mar-18	SPB	F

10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Apr-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	May-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jun-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jul-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Aug-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Sep-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Oct-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Nov-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Dec-18	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jan-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Feb-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Mar-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Apr-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	May-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jun-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jul-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Aug-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Sep-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Oct-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Nov-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Dec-19	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jan-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Feb-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Mar-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Apr-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	May-20	SPB	F

10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jun-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jul-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Aug-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Sep-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Oct-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Nov-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Dec-20	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jan-21	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Feb-21	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Mar-21	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Apr-21	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	May-21	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jun-21	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Jul-21	SPB	F
10/4/16	Spanish Grid	Spanish Power Financial Base Futures	Aug-21	SPB	F
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D

10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Oct-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D

10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA	Peak Futures	Nov-16	SPD	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D

10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Oct-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SPP South DA Off-Peak	Off-Peak Futures	Nov-16	SPF	D
10/4/16	SP15 DA	Peak Futures	Sep-16	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-16	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-16	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-16	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-17	SPM	F

10/4/16	SP15 DA	Peak Futures	Mar-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-17	SPM	F
10/4/16	SP15 DA	Peak Futures	May-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-17	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-18	SPM	F
10/4/16	SP15 DA	Peak Futures	May-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-18	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-19	SPM	F

10/4/16	SP15 DA	Peak Futures	May-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-19	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-20	SPM	F
10/4/16	SP15 DA	Peak Futures	May-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-20	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-21	SPM	F
10/4/16	SP15 DA	Peak Futures	May-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-21	SPM	F

10/4/16	SP15 DA	Peak Futures	Jul-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-21	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-22	SPM	F
10/4/16	SP15 DA	Peak Futures	May-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-22	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-23	SPM	F
10/4/16	SP15 DA	Peak Futures	May-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-23	SPM	F

10/4/16	SP15 DA	Peak Futures	Sep-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-23	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-24	SPM	F
10/4/16	SP15 DA	Peak Futures	May-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-24	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-25	SPM	F
10/4/16	SP15 DA	Peak Futures	May-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-25	SPM	F

10/4/16	SP15 DA	Peak Futures	Nov-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-25	SPM	F
10/4/16	SP15 DA	Peak Futures	Jan-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Feb-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Mar-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Apr-26	SPM	F
10/4/16	SP15 DA	Peak Futures	May-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Jun-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Jul-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Aug-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Sep-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Oct-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Nov-26	SPM	F
10/4/16	SP15 DA	Peak Futures	Dec-26	SPM	F
10/4/16	SPP North RT	Peak Futures	Sep-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Sep-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Sep-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D

10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Oct-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D

10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT	Peak Futures	Nov-16	SPW	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Sep-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Sep-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Sep-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D

10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Oct-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D
10/4/16	SPP North RT Off-Peak	Off-Peak Futures	Nov-16	SPX	D

10/4/16	SP15 DA Mini	Peak Futures	Sep-16	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-16	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-16	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-16	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-17	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-18	SPY	F

10/4/16	SP15 DA Mini	Peak Futures	Nov-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-18	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-19	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-20	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-20	SPY	F

10/4/16	SP15 DA Mini	Peak Futures	Jan-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-21	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-22	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-23	SPY	F

10/4/16	SP15 DA Mini	Peak Futures	Mar-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-23	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-24	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-25	SPY	F

10/4/16	SP15 DA Mini	Peak Futures	May-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-25	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jan-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Feb-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Mar-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Apr-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	May-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jun-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Jul-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Aug-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Sep-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Oct-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Nov-26	SPY	F
10/4/16	SP15 DA Mini	Peak Futures	Dec-26	SPY	F
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Sep-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Oct-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D

10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Nov-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 DA Off-Peak	Off-Peak Futures	Dec-16	SQP	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Sep-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Sep-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Sep-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Sep-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Sep-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D

10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D

10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Oct-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D

10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Nov-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT Off-Peak	Off-Peak Futures	Dec-16	SRO	D
10/4/16	SP15 RT	Peak Futures	Sep-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Sep-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Sep-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Sep-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Sep-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D

10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Oct-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D

10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D

10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Nov-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SP15 RT	Peak Futures	Dec-16	SRP	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Sep-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Sep-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Sep-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D

10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Oct-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Nov-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Nov-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Nov-16	SSO	D
10/4/16	SPP South RT Off-Peak	Off-Peak Futures	Nov-16	SSO	D
10/4/16	SPP South RT	Peak Futures	Sep-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Sep-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Sep-16	SSR	D

10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D

10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Oct-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	SPP South RT	Peak Futures	Nov-16	SSR	D
10/4/16	CSAPR SO2 Group 2 V15	CSAPR SO2 Futures	Oct-16	STL	F
10/4/16	CSAPR SO2 Group 2 V15	CSAPR SO2 Futures	Nov-16	STL	F
10/4/16	CSAPR SO2 Group 2 V15	CSAPR SO2 Futures	Dec-16	STL	F
10/4/16	CSAPR SO2 Group 2 V16	CSAPR SO2 Futures	Oct-16	STN	F
10/4/16	CSAPR SO2 Group 2 V16	CSAPR SO2 Futures	Nov-16	STN	F
10/4/16	CSAPR SO2 Group 2 V16	CSAPR SO2 Futures	Dec-16	STN	F
10/4/16	CSAPR SO2 Group 2 V16	CSAPR SO2 Futures	Mar-17	STN	F
10/4/16	CSAPR SO2 Group 2 V16	CSAPR SO2 Futures	Jun-17	STN	F
10/4/16	CSAPR SO2 Group 2 V16	CSAPR SO2 Futures	Sep-17	STN	F
10/4/16	CSAPR SO2 Group 2 V16	CSAPR SO2 Futures	Dec-17	STN	F

10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Oct-16	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Nov-16	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Dec-16	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jan-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Feb-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Mar-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Apr-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	May-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jun-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jul-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Aug-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Sep-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Oct-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Nov-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Dec-17	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jan-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Feb-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Mar-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Apr-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	May-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jun-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jul-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Aug-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Sep-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Oct-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Nov-18	SUB	F

10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Dec-18	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jan-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Feb-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Mar-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Apr-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	May-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jun-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jul-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Aug-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Sep-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Oct-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Nov-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Dec-19	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jan-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Feb-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Mar-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Apr-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	May-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jun-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jul-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Aug-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Sep-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Oct-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Nov-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Dec-20	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jan-21	SUB	F

10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Feb-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Mar-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Apr-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	May-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jun-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Jul-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Aug-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Sep-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Oct-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Nov-21	SUB	F
10/4/16	FOB Indonesian	FOB Indo sub-bit Coal Futures	Dec-21	SUB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D

10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D

10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZA	D
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-16	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-16	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-16	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Dec-16	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jan-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Feb-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Mar-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Apr-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	May-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jun-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jul-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Aug-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Dec-17	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jan-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Feb-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Mar-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Apr-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	May-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jun-18	SZB	F

10/4/16	ERCOT South LZ DA	Peak Futures	Jul-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Aug-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Dec-18	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jan-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Feb-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Mar-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Apr-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	May-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jun-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Jul-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Aug-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Sep-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Oct-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Nov-19	SZB	F
10/4/16	ERCOT South LZ DA	Peak Futures	Dec-19	SZB	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D

10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D

10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZC	D
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-16	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-16	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-16	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Dec-16	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jan-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Feb-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Mar-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Apr-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	May-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jun-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jul-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Aug-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-17	SZD	F

10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Dec-17	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jan-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Feb-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Mar-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Apr-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	May-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jun-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jul-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Aug-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Dec-18	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jan-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Feb-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Mar-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Apr-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	May-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jun-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Jul-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Aug-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Sep-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Oct-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Nov-19	SZD	F
10/4/16	ERCOT South LZ DA Off-Peak	Off-Peak Futures	Dec-19	SZD	F
10/4/16	Texas Hub DA	Peak Futures	Sep-16	TDP	F

10/4/16	Texas Hub DA	Peak Futures	Oct-16	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Nov-16	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Dec-16	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jan-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Feb-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Mar-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Apr-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	May-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jun-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jul-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Aug-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Sep-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Oct-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Nov-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Dec-17	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jan-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Feb-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Mar-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Apr-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	May-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jun-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jul-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Aug-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Sep-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Oct-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Nov-18	TDP	F

10/4/16	Texas Hub DA	Peak Futures	Dec-18	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jan-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Feb-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Mar-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Apr-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	May-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jun-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Jul-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Aug-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Sep-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Oct-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Nov-19	TDP	F
10/4/16	Texas Hub DA	Peak Futures	Dec-19	TDP	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Sep-16	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-16	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-16	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Dec-16	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jan-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Feb-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Mar-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Apr-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	May-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jun-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jul-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Aug-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Sep-17	TDQ	F

10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Dec-17	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jan-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Feb-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Mar-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Apr-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	May-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jun-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jul-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Aug-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Sep-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Dec-18	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jan-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Feb-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Mar-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Apr-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	May-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jun-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Jul-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Aug-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Sep-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Oct-19	TDQ	F
10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Nov-19	TDQ	F

10/4/16	Texas Hub DA Off-Peak	Off-Peak Futures	Dec-19	TDQ	F
10/4/16	REC-TX	REC-TX Futures	Oct-16	TEC	F
10/4/16	REC-TX	REC-TX Futures	Nov-16	TEC	F
10/4/16	REC-TX	REC-TX Futures	Dec-16	TEC	F
10/4/16	REC-TX	REC-TX Futures	Jan-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Feb-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Mar-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Apr-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	May-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Jun-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Jul-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Aug-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Sep-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Oct-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Nov-17	TEC	F
10/4/16	REC-TX	REC-TX Futures	Dec-17	TEC	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Sep-16	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Oct-16	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Nov-16	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Dec-16	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jan-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Feb-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Mar-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Apr-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	May-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jun-17	TPO	F

10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jul-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Aug-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Sep-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Oct-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Nov-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Dec-17	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jan-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Feb-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Mar-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Apr-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	May-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jun-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jul-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Aug-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Sep-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Oct-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Nov-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Dec-18	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jan-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Feb-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Mar-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Apr-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	May-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jun-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Jul-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Aug-19	TPO	F

10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Sep-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Oct-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Nov-19	TPO	F
10/4/16	Texas Hub RT Off-Peak	Off-Peak Futures	Dec-19	TPO	F
10/4/16	Texas Hub RT	Peak Futures	Sep-16	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Oct-16	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Nov-16	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Dec-16	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jan-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Feb-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Mar-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Apr-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	May-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jun-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jul-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Aug-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Sep-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Oct-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Nov-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Dec-17	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jan-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Feb-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Mar-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Apr-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	May-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jun-18	TPP	F

10/4/16	Texas Hub RT	Peak Futures	Jul-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Aug-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Sep-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Oct-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Nov-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Dec-18	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jan-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Feb-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Mar-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Apr-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	May-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jun-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Jul-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Aug-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Sep-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Oct-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Nov-19	TPP	F
10/4/16	Texas Hub RT	Peak Futures	Dec-19	TPP	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Oct-16	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Nov-16	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Dec-16	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Jan-17	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Feb-17	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Mar-17	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Apr-17	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	May-17	TQA	F

10/4/16	REC-PJM C1 V15	REC-PJM Futures	Jun-17	TQA	F
10/4/16	REC-PJM C1 V15	REC-PJM Futures	Jul-17	TQA	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Oct-16	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Nov-16	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Dec-16	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Jan-17	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Feb-17	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Mar-17	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Apr-17	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	May-17	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Jun-17	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Jul-17	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Jun-18	TQB	F
10/4/16	REC-PJM C1 V16	REC-PJM Futures	Jul-18	TQB	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Oct-16	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Nov-16	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Dec-16	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jan-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Feb-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Mar-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Apr-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	May-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jun-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jul-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Aug-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Sep-17	TQC	F

10/4/16	REC-PJM C1 V17	REC-PJM Futures	Oct-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Nov-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Dec-17	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jan-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Feb-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Mar-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Apr-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	May-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jun-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jul-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Aug-18	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jun-19	TQC	F
10/4/16	REC-PJM C1 V17	REC-PJM Futures	Jul-19	TQC	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Aug-17	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Sep-17	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Oct-17	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Nov-17	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Dec-17	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jan-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Feb-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Mar-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Apr-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	May-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jun-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jul-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Aug-18	TQD	F

10/4/16	REC-PJM C1 V18	REC-PJM Futures	Sep-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Oct-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Nov-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Dec-18	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jan-19	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Feb-19	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Mar-19	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Apr-19	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	May-19	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jun-19	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jul-19	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jun-20	TQD	F
10/4/16	REC-PJM C1 V18	REC-PJM Futures	Jul-20	TQD	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Aug-18	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Sep-18	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Oct-18	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Nov-18	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Dec-18	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jan-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Feb-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Mar-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Apr-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	May-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jun-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jul-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Aug-19	TQE	F

10/4/16	REC-PJM C1 V19	REC-PJM Futures	Sep-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Oct-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Nov-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Dec-19	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jan-20	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Feb-20	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Mar-20	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Apr-20	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	May-20	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jun-20	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jul-20	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jun-21	TQE	F
10/4/16	REC-PJM C1 V19	REC-PJM Futures	Jul-21	TQE	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Aug-19	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Sep-19	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Oct-19	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Nov-19	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Dec-19	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jan-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Feb-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Mar-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Apr-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	May-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jun-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jul-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Aug-20	TQF	F

10/4/16	REC-PJM C1 V20	REC-PJM Futures	Sep-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Oct-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Nov-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Dec-20	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jan-21	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Feb-21	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Mar-21	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Apr-21	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	May-21	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jun-21	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jul-21	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jun-22	TQF	F
10/4/16	REC-PJM C1 V20	REC-PJM Futures	Jul-22	TQF	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Aug-20	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Sep-20	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Oct-20	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Nov-20	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Dec-20	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Jan-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Feb-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Mar-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Apr-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	May-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Jun-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Jul-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Aug-21	TQG	F

10/4/16	REC-PJM C1 V21	REC-PJM Futures	Sep-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Oct-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Nov-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Dec-21	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Jan-22	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Feb-22	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Mar-22	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Apr-22	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	May-22	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Jun-22	TQG	F
10/4/16	REC-PJM C1 V21	REC-PJM Futures	Jul-22	TQG	F
10/4/16	REC-PJM C1 V22	REC-PJM Futures	Jun-22	TQH	F
10/4/16	REC-PJM C1 V22	REC-PJM Futures	Jul-22	TQH	F
10/4/16	REC-PJM C1 V23	REC-PJM Futures	Jun-23	TQI	F
10/4/16	REC-PJM C1 V23	REC-PJM Futures	Jul-23	TQI	F
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Oct-16	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Nov-16	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Dec-16	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jan-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Feb-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Mar-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Apr-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	May-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jun-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jul-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Aug-17	UBL	M

10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Sep-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Oct-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Nov-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Dec-17	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jan-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Feb-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Mar-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Apr-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	May-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jun-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jul-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Aug-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Sep-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Oct-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Nov-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Dec-18	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jan-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Feb-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Mar-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Apr-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	May-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jun-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jul-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Aug-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Sep-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Oct-19	UBL	M

10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Nov-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Dec-19	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jan-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Feb-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Mar-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Apr-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	May-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jun-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jul-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Aug-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Sep-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Oct-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Nov-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Dec-20	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jan-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Feb-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Mar-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Apr-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	May-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jun-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Jul-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Aug-21	UBL	M
10/4/16	UK Grid	UK Base Electricity Futures (Gregorian)	Sep-21	UBL	M
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Nov-16	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Dec-16	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jan-17	UCA	F

10/4/16	Central Appalachian	Central Appalachian Coal Futures	Feb-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Mar-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Apr-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	May-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jun-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jul-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Aug-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Sep-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Oct-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Nov-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Dec-17	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jan-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Feb-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Mar-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Apr-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	May-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jun-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jul-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Aug-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Sep-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Oct-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Nov-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Dec-18	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jan-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Feb-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Mar-19	UCA	F

10/4/16	Central Appalachian	Central Appalachian Coal Futures	Apr-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	May-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jun-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jul-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Aug-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Sep-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Oct-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Nov-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Dec-19	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jan-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Feb-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Mar-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Apr-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	May-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jun-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Jul-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Aug-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Sep-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Oct-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Nov-20	UCA	F
10/4/16	Central Appalachian	Central Appalachian Coal Futures	Dec-20	UCA	F
10/4/16	PRB	Powder River Basin Coal Futures	Nov-16	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Dec-16	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jan-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Feb-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Mar-17	UCP	F

10/4/16	PRB	Powder River Basin Coal Futures	Apr-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	May-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jun-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jul-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Aug-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Sep-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Oct-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Nov-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Dec-17	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jan-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Feb-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Mar-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Apr-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	May-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jun-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jul-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Aug-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Sep-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Oct-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Nov-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Dec-18	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jan-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Feb-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Mar-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Apr-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	May-19	UCP	F

10/4/16	PRB	Powder River Basin Coal Futures	Jun-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jul-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Aug-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Sep-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Oct-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Nov-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Dec-19	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jan-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Feb-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Mar-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Apr-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	May-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jun-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Jul-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Aug-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Sep-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Oct-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Nov-20	UCP	F
10/4/16	PRB	Powder River Basin Coal Futures	Dec-20	UCP	F
10/4/16	CSX	CSX Coal Futures	Nov-16	UCX	F
10/4/16	CSX	CSX Coal Futures	Dec-16	UCX	F
10/4/16	CSX	CSX Coal Futures	Jan-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Feb-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Mar-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Apr-17	UCX	F
10/4/16	CSX	CSX Coal Futures	May-17	UCX	F

10/4/16	CSX	CSX Coal Futures	Jun-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Jul-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Aug-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Sep-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Oct-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Nov-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Dec-17	UCX	F
10/4/16	CSX	CSX Coal Futures	Jan-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Feb-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Mar-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Apr-18	UCX	F
10/4/16	CSX	CSX Coal Futures	May-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Jun-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Jul-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Aug-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Sep-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Oct-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Nov-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Dec-18	UCX	F
10/4/16	CSX	CSX Coal Futures	Jan-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Feb-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Mar-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Apr-19	UCX	F
10/4/16	CSX	CSX Coal Futures	May-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Jun-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Jul-19	UCX	F

10/4/16	CSX	CSX Coal Futures	Aug-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Sep-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Oct-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Nov-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Dec-19	UCX	F
10/4/16	CSX	CSX Coal Futures	Jan-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Feb-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Mar-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Apr-20	UCX	F
10/4/16	CSX	CSX Coal Futures	May-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Jun-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Jul-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Aug-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Sep-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Oct-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Nov-20	UCX	F
10/4/16	CSX	CSX Coal Futures	Dec-20	UCX	F
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Sep-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D

10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Oct-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D

10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D

10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Nov-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	NP15 DA Off-Peak	Off-Peak Futures	Dec-16	UNP	D
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Oct-16	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Nov-16	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Dec-16	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jan-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Feb-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Mar-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Apr-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	May-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jun-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jul-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Aug-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Sep-17	UPL	M

10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Oct-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Nov-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Dec-17	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jan-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Feb-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Mar-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Apr-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	May-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jun-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jul-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Aug-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Sep-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Oct-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Nov-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Dec-18	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jan-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Feb-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Mar-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Apr-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	May-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jun-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jul-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Aug-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Sep-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Oct-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Nov-19	UPL	M

10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Dec-19	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jan-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Feb-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Mar-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Apr-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	May-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jun-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jul-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Aug-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Sep-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Oct-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Nov-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Dec-20	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jan-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Feb-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Mar-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Apr-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	May-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jun-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Jul-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Aug-21	UPL	M
10/4/16	UK Grid	UK Peak Electricity Futures (Gregorian)	Sep-21	UPL	M
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D

10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Oct-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D

10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D

10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Nov-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	Palo	Peak Futures	Dec-16	VDP	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Sep-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Sep-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Sep-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Sep-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Sep-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D

10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Oct-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D

10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D

10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Nov-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D

10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Dec-16	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D

10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Jan-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Feb-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Feb-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Feb-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Feb-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Feb-17	WEA	D
10/4/16	ERCOT West 345KV Hub DA	Peak Futures	Feb-17	WEA	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-16	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-16	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-17	WEB	F

10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	May-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-17	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	May-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-18	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	May-19	WEB	F

10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-19	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	May-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-20	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	May-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-21	WEB	F

10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-21	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Mar-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Apr-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	May-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jun-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jul-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Aug-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Oct-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Nov-22	WEB	F
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-22	WEB	F
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Sep-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D

10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
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10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
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10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Oct-16	WEC	D
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10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	WEC	D
10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Nov-16	WEC	D
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10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Jan-17	WEC	D
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10/4/16	ERCOT West 345KV Hub DA Off-Pe	Off-Peak Futures	Feb-17	WEC	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Sep-16	WED	D
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10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D

10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Dec-16	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D

10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Jan-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WED	D
10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WED	D

10/4/16	ERCOT West 345KV Hub RT Off-Pe	Off-Peak Futures	Feb-17	WED	D
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D

10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZA	D
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-16	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-16	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-16	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Dec-16	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jan-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Feb-17	WZB	F

10/4/16	ERCOT West LZ DA	Peak Futures	Mar-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Apr-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	May-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jun-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jul-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Aug-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Dec-17	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jan-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Feb-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Mar-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Apr-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	May-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jun-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jul-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Aug-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Dec-18	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jan-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Feb-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Mar-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Apr-19	WZB	F

10/4/16	ERCOT West LZ DA	Peak Futures	May-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jun-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Jul-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Aug-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Sep-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Oct-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Nov-19	WZB	F
10/4/16	ERCOT West LZ DA	Peak Futures	Dec-19	WZB	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D

10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D

10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZC	D
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-16	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-16	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-16	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Dec-16	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jan-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Feb-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Mar-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Apr-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	May-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jun-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jul-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Aug-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Dec-17	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jan-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Feb-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Mar-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Apr-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	May-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jun-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jul-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Aug-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-18	WZD	F

10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Dec-18	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jan-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Feb-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Mar-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Apr-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	May-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jun-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Jul-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Aug-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Sep-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Oct-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Nov-19	WZD	F
10/4/16	ERCOT West LZ DA Off-Peak	Off-Peak Futures	Dec-19	WZD	F
10/4/16	NYISO C	Peak Futures	Sep-16	ZCB	F
10/4/16	NYISO C	Peak Futures	Oct-16	ZCB	F
10/4/16	NYISO C	Peak Futures	Nov-16	ZCB	F
10/4/16	NYISO C	Peak Futures	Dec-16	ZCB	F
10/4/16	NYISO C	Peak Futures	Jan-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Feb-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Mar-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Apr-17	ZCB	F
10/4/16	NYISO C	Peak Futures	May-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Jun-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Jul-17	ZCB	F

10/4/16	NYISO C	Peak Futures	Aug-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Sep-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Oct-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Nov-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Dec-17	ZCB	F
10/4/16	NYISO C	Peak Futures	Jan-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Feb-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Mar-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Apr-18	ZCB	F
10/4/16	NYISO C	Peak Futures	May-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Jun-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Jul-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Aug-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Sep-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Oct-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Nov-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Dec-18	ZCB	F
10/4/16	NYISO C	Peak Futures	Jan-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Feb-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Mar-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Apr-19	ZCB	F
10/4/16	NYISO C	Peak Futures	May-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Jun-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Jul-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Aug-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Sep-19	ZCB	F

10/4/16	NYISO C	Peak Futures	Oct-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Nov-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Dec-19	ZCB	F
10/4/16	NYISO C	Peak Futures	Jan-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Feb-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Mar-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Apr-20	ZCB	F
10/4/16	NYISO C	Peak Futures	May-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Jun-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Jul-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Aug-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Sep-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Oct-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Nov-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Dec-20	ZCB	F
10/4/16	NYISO C	Peak Futures	Jan-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Feb-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Mar-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Apr-21	ZCB	F
10/4/16	NYISO C	Peak Futures	May-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Jun-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Jul-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Aug-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Sep-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Oct-21	ZCB	F
10/4/16	NYISO C	Peak Futures	Nov-21	ZCB	F

10/4/16	NYISO C	Peak Futures	Dec-21	ZCB	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Sep-16	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-16	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-16	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Dec-16	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jan-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Feb-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Mar-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Apr-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	May-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jun-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jul-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Aug-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Sep-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Dec-17	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jan-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Feb-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Mar-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Apr-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	May-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jun-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jul-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Aug-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Sep-18	ZCD	F

10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Dec-18	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jan-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Feb-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Mar-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Apr-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	May-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jun-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jul-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Aug-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Sep-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Dec-19	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jan-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Feb-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Mar-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Apr-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	May-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jun-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jul-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Aug-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Sep-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-20	ZCD	F

10/4/16	NYISO C Off-Peak	Off-Peak Futures	Dec-20	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jan-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Feb-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Mar-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Apr-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	May-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jun-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Jul-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Aug-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Sep-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Oct-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Nov-21	ZCD	F
10/4/16	NYISO C Off-Peak	Off-Peak Futures	Dec-21	ZCD	F
10/4/16	NYISO F	Peak Futures	Sep-16	ZFB	F
10/4/16	NYISO F	Peak Futures	Oct-16	ZFB	F
10/4/16	NYISO F	Peak Futures	Nov-16	ZFB	F
10/4/16	NYISO F	Peak Futures	Dec-16	ZFB	F
10/4/16	NYISO F	Peak Futures	Jan-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Feb-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Mar-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Apr-17	ZFB	F
10/4/16	NYISO F	Peak Futures	May-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Jun-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Jul-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Aug-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Sep-17	ZFB	F

10/4/16	NYISO F	Peak Futures	Oct-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Nov-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Dec-17	ZFB	F
10/4/16	NYISO F	Peak Futures	Jan-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Feb-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Mar-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Apr-18	ZFB	F
10/4/16	NYISO F	Peak Futures	May-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Jun-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Jul-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Aug-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Sep-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Oct-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Nov-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Dec-18	ZFB	F
10/4/16	NYISO F	Peak Futures	Jan-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Feb-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Mar-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Apr-19	ZFB	F
10/4/16	NYISO F	Peak Futures	May-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Jun-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Jul-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Aug-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Sep-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Oct-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Nov-19	ZFB	F

10/4/16	NYISO F	Peak Futures	Dec-19	ZFB	F
10/4/16	NYISO F	Peak Futures	Jan-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Feb-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Mar-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Apr-20	ZFB	F
10/4/16	NYISO F	Peak Futures	May-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Jun-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Jul-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Aug-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Sep-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Oct-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Nov-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Dec-20	ZFB	F
10/4/16	NYISO F	Peak Futures	Jan-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Feb-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Mar-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Apr-21	ZFB	F
10/4/16	NYISO F	Peak Futures	May-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Jun-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Jul-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Aug-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Sep-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Oct-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Nov-21	ZFB	F
10/4/16	NYISO F	Peak Futures	Dec-21	ZFB	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Sep-16	ZFD	F

10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-16	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-16	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Dec-16	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jan-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Feb-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Mar-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Apr-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	May-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jun-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jul-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Aug-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Sep-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Dec-17	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jan-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Feb-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Mar-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Apr-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	May-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jun-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jul-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Aug-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Sep-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-18	ZFD	F

10/4/16	NYISO F Off-Peak	Off-Peak Futures	Dec-18	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jan-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Feb-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Mar-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Apr-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	May-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jun-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jul-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Aug-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Sep-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Dec-19	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jan-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Feb-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Mar-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Apr-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	May-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jun-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jul-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Aug-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Sep-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Dec-20	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jan-21	ZFD	F

10/4/16	NYISO F Off-Peak	Off-Peak Futures	Feb-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Mar-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Apr-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	May-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jun-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Jul-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Aug-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Sep-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Oct-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Nov-21	ZFD	F
10/4/16	NYISO F Off-Peak	Off-Peak Futures	Dec-21	ZFD	F

STRIKE	SETTLEMENT PRICI	NET CHANGE	EXPIRATION DATE	PRODUCT_ID
	33.99000	0.00000	10/4/16	2159
	35.41000	0.11000	10/5/16	2159
	37.20000	3.90000	10/6/16	2159
	35.10000	1.80000	10/7/16	2159
	35.10000	1.80000	10/10/16	2159
	27.60000	0.00000	10/10/16	2159
	27.60000	0.00000	10/10/16	2159
	32.39000	0.40000	10/11/16	2159
	32.39000	0.40000	10/12/16	2159
	32.39000	0.40000	10/13/16	2159
	32.39000	0.40000	10/14/16	2159
	32.39000	0.40000	10/17/16	2159
	28.14000	0.57000	10/17/16	2159
	28.14000	0.57000	10/17/16	2159
	32.39000	0.40000	10/18/16	2159
	32.39000	0.40000	10/19/16	2159
	32.39000	0.40000	10/20/16	2159
	32.39000	0.40000	10/21/16	2159
	32.39000	0.40000	10/24/16	2159
	28.14000	0.57000	10/24/16	2159
	28.14000	0.57000	10/24/16	2159
	32.39000	0.40000	10/25/16	2159
	32.39000	0.40000	10/26/16	2159
	32.39000	0.40000	10/27/16	2159

	32.39000	0.40000	10/28/16	2159
	32.39000	0.40000	10/31/16	2159
	28.14000	0.57000	10/31/16	2159
	28.14000	0.57000	10/31/16	2159
	32.39000	0.40000	11/1/16	2159
	33.50000	0.55000	11/2/16	2159
	33.50000	0.55000	11/3/16	2159
	33.50000	0.55000	11/4/16	2159
	33.50000	0.55000	11/7/16	2159
	28.48000	0.47000	11/7/16	2159
	28.48000	0.47000	11/7/16	2159
	33.50000	0.55000	11/8/16	2159
	33.50000	0.55000	11/9/16	2159
	33.50000	0.55000	11/10/16	2159
	33.50000	0.55000	11/11/16	2159
	33.50000	0.55000	11/14/16	2159
	28.48000	0.47000	11/14/16	2159
	28.48000	0.47000	11/14/16	2159
	33.50000	0.55000	11/15/16	2159
	33.50000	0.55000	11/16/16	2159
	33.50000	0.55000	11/17/16	2159
	33.50000	0.55000	11/18/16	2159
	33.50000	0.55000	11/21/16	2159
	28.48000	0.47000	11/21/16	2159
	28.48000	0.47000	11/21/16	2159
	33.50000	0.55000	11/22/16	2159

	33.50000	0.55000	11/23/16	2159
	33.50000	0.55000	11/28/16	2159
	28.48000	0.47000	11/28/16	2159
	33.50000	0.55000	11/28/16	2159
	28.48000	0.47000	11/28/16	2159
	28.48000	0.47000	11/28/16	2159
	33.50000	0.55000	11/29/16	2159
	33.50000	0.55000	11/30/16	2159
	33.50000	0.55000	12/1/16	2159
	36.35000	0.50000	12/2/16	2159
	36.35000	0.50000	12/5/16	2159
	30.90000	0.43000	12/5/16	2159
	30.90000	0.43000	12/5/16	2159
	36.35000	0.50000	12/6/16	2159
	36.35000	0.50000	12/7/16	2159
	36.35000	0.50000	12/8/16	2159
	36.35000	0.50000	12/9/16	2159
	36.35000	0.50000	12/12/16	2159
	30.90000	0.43000	12/12/16	2159
	30.90000	0.43000	12/12/16	2159
	36.35000	0.50000	12/13/16	2159
	36.35000	0.50000	12/14/16	2159
	36.35000	0.50000	12/15/16	2159
	36.35000	0.50000	12/16/16	2159
	36.35000	0.50000	12/19/16	2159
	30.90000	0.43000	12/19/16	2159

	30.90000	0.43000	12/19/16	2159
	36.35000	0.50000	12/20/16	2159
	36.35000	0.50000	12/21/16	2159
	36.35000	0.50000	12/22/16	2159
	36.35000	0.50000	12/23/16	2159
	36.35000	0.50000	12/27/16	2159
	30.90000	0.43000	12/27/16	2159
	30.90000	0.43000	12/27/16	2159
	36.35000	0.50000	12/27/16	2159
	36.35000	0.50000	12/28/16	2159
	36.35000	0.50000	12/29/16	2159
	36.35000	0.50000	12/30/16	2159
	36.35000	0.50000	1/3/17	2159
	30.90000	0.43000	1/3/17	2159
	40.50000	0.22000	1/3/17	2159
	40.50000	0.22000	1/3/17	2159
	45.00000	0.25000	1/4/17	2159
	45.00000	0.25000	1/5/17	2159
	45.00000	0.25000	1/6/17	2159
	45.00000	0.25000	1/9/17	2159
	40.50000	0.22000	1/9/17	2159
	40.50000	0.22000	1/9/17	2159
	45.00000	0.25000	1/10/17	2159
	45.00000	0.25000	1/11/17	2159
	45.00000	0.25000	1/12/17	2159
	45.00000	0.25000	1/13/17	2159

	45.00000	0.25000	1/17/17	2159
	40.50000	0.22000	1/17/17	2159
	40.50000	0.22000	1/17/17	2159
	45.00000	0.25000	1/17/17	2159
	45.00000	0.25000	1/18/17	2159
	45.00000	0.25000	1/19/17	2159
	45.00000	0.25000	1/20/17	2159
	45.00000	0.25000	1/23/17	2159
	40.50000	0.22000	1/23/17	2159
	40.50000	0.22000	1/23/17	2159
	45.00000	0.25000	1/24/17	2159
	45.00000	0.25000	1/25/17	2159
	45.00000	0.25000	1/26/17	2159
	45.00000	0.25000	1/27/17	2159
	45.00000	0.25000	1/30/17	2159
	40.50000	0.22000	1/30/17	2159
	40.50000	0.22000	1/30/17	2159
	45.00000	0.25000	1/31/17	2159
	45.00000	0.25000	2/1/17	2159
	45.50000	0.30000	2/2/17	2159
	45.50000	0.30000	2/3/17	2159
	45.50000	0.30000	2/6/17	2159
	38.68000	0.26000	2/6/17	2159
	38.68000	0.26000	2/6/17	2159
	45.50000	0.30000	2/7/17	2159
	45.50000	0.30000	2/8/17	2159

	45.50000	0.30000	2/9/17	2159
	45.50000	0.30000	2/10/17	2159
	45.50000	0.30000	2/13/17	2159
	38.68000	0.26000	2/13/17	2159
	38.68000	0.26000	2/13/17	2159
	45.50000	0.30000	2/14/17	2159
	45.50000	0.30000	2/15/17	2159
	45.50000	0.30000	2/16/17	2159
	45.50000	0.30000	2/17/17	2159
	45.50000	0.30000	2/21/17	2159
	38.68000	0.26000	2/21/17	2159
	38.68000	0.26000	2/21/17	2159
	45.50000	0.30000	2/21/17	2159
	45.50000	0.30000	2/22/17	2159
	45.50000	0.30000	2/23/17	2159
	45.50000	0.30000	2/24/17	2159
	45.50000	0.30000	2/27/17	2159
	38.68000	0.26000	2/27/17	2159
	38.68000	0.26000	2/27/17	2159
	45.50000	0.30000	2/28/17	2159
	45.50000	0.30000	3/1/17	2159
	38.00000	0.45000	3/2/17	2159
	38.00000	0.45000	3/3/17	2159
	38.00000	0.45000	3/6/17	2159
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	32.30000	0.38000	3/6/17	2159

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	38.00000	0.45000	3/10/17	2159
	38.00000	0.45000	3/13/17	2159
	32.30000	0.38000	3/13/17	2159
	32.30000	0.38000	3/13/17	2159
	38.00000	0.45000	3/14/17	2159
	38.00000	0.45000	3/15/17	2159
	38.00000	0.45000	3/16/17	2159
	38.00000	0.45000	3/17/17	2159
	38.00000	0.45000	3/20/17	2159
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	32.30000	0.38000	3/20/17	2159
	38.00000	0.45000	3/21/17	2159
	38.00000	0.45000	3/22/17	2159
	38.00000	0.45000	3/23/17	2159
	38.00000	0.45000	3/24/17	2159
	38.00000	0.45000	3/27/17	2159
	32.30000	0.38000	3/27/17	2159
	32.30000	0.38000	3/27/17	2159
	38.00000	0.45000	3/28/17	2159
	38.00000	0.45000	3/29/17	2159
	38.00000	0.45000	3/30/17	2159
	38.00000	0.45000	3/31/17	2159
	38.00000	0.45000	4/3/17	2159

	29.03000	0.09000	4/3/17	2159
	29.03000	0.09000	4/3/17	2159
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	34.15000	0.10000	4/5/17	2159
	34.15000	0.10000	4/6/17	2159
	34.15000	0.10000	4/7/17	2159
	34.15000	0.10000	4/10/17	2159
	29.03000	0.09000	4/10/17	2159
	29.03000	0.09000	4/10/17	2159
	34.15000	0.10000	4/11/17	2159
	34.15000	0.10000	4/12/17	2159
	34.15000	0.10000	4/13/17	2159
	34.15000	0.10000	4/17/17	2159
	34.15000	0.10000	4/17/17	2159
	29.03000	0.09000	4/17/17	2159
	29.03000	0.09000	4/17/17	2159
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	34.15000	0.10000	4/19/17	2159
	34.15000	0.10000	4/20/17	2159
	34.15000	0.10000	4/21/17	2159
	34.15000	0.10000	4/24/17	2159
	29.03000	0.09000	4/24/17	2159
	29.03000	0.09000	4/24/17	2159
	34.15000	0.10000	4/25/17	2159
	34.15000	0.10000	4/26/17	2159
	34.15000	0.10000	4/27/17	2159

	34.15000	0.10000	4/28/17	2159
	34.15000	0.10000	5/1/17	2159
	29.03000	0.09000	5/1/17	2159
	29.03000	0.09000	5/1/17	2159
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	34.70000	0.15000	5/3/17	2159
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	34.70000	0.15000	5/5/17	2159
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	29.50000	0.13000	5/8/17	2159
	29.50000	0.13000	5/8/17	2159
	34.70000	0.15000	5/9/17	2159
	34.70000	0.15000	5/10/17	2159
	34.70000	0.15000	5/11/17	2159
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	29.50000	0.13000	5/15/17	2159
	34.70000	0.15000	5/16/17	2159
	34.70000	0.15000	5/17/17	2159
	34.70000	0.15000	5/18/17	2159
	34.70000	0.15000	5/19/17	2159
	34.70000	0.15000	5/22/17	2159
	29.50000	0.13000	5/22/17	2159
	29.50000	0.13000	5/22/17	2159
	34.70000	0.15000	5/23/17	2159

	34.70000	0.15000	5/24/17	2159
	34.70000	0.15000	5/25/17	2159
	34.70000	0.15000	5/26/17	2159
	34.70000	0.15000	5/30/17	2159
	29.50000	0.13000	5/30/17	2159
	29.50000	0.13000	5/30/17	2159
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	34.70000	0.15000	5/31/17	2159
	34.70000	0.15000	6/1/17	2159
	35.25000	0.10000	6/2/17	2159
	35.25000	0.10000	6/5/17	2159
	24.68000	0.07000	6/5/17	2159
	24.68000	0.07000	6/5/17	2159
	35.25000	0.10000	6/6/17	2159
	35.25000	0.10000	6/7/17	2159
	35.25000	0.10000	6/8/17	2159
	35.25000	0.10000	6/9/17	2159
	35.25000	0.10000	6/12/17	2159
	24.68000	0.07000	6/12/17	2159
	24.68000	0.07000	6/12/17	2159
	35.25000	0.10000	6/13/17	2159
	35.25000	0.10000	6/14/17	2159
	35.25000	0.10000	6/15/17	2159
	35.25000	0.10000	6/16/17	2159
	35.25000	0.10000	6/19/17	2159
	24.68000	0.07000	6/19/17	2159

	24.68000	0.07000	6/19/17	2159
	35.25000	0.10000	6/20/17	2159
	35.25000	0.10000	6/21/17	2159
	35.25000		6/22/17	2159
	35.25000		6/23/17	2159
	35.25000		6/26/17	2159
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	33.10000	0.67000	11/2/16	2160
	33.50000	0.55000	12/2/16	2160
	36.35000	0.50000	1/4/17	2160
	45.00000	0.25000	2/2/17	2160
	45.50000	0.30000	3/2/17	2160
	38.00000	0.45000	4/4/17	2160
	34.15000	0.10000	5/2/17	2160
	34.70000	0.15000	6/2/17	2160
	35.25000	0.10000	7/5/17	2160
	41.20000	0.05000	8/2/17	2160
	39.15000	0.05000	9/5/17	2160
	33.35000	0.15000	10/3/17	2160
	31.45000	0.15000	11/2/17	2160
	31.90000	0.30000	12/4/17	2160
	35.45000	0.20000	1/3/18	2160
	46.10000	0.30000	2/2/18	2160
	42.35000	0.30000	3/2/18	2160
	35.15000	0.10000	4/3/18	2160
	31.10000	0.10000	5/2/18	2160

	32.15000	0.00000	6/4/18	2160
	32.55000	0.00000	7/3/18	2160
	42.20000	0.00000	8/2/18	2160
	36.90000	0.00000	9/5/18	2160
	30.55000	0.15000	10/2/18	2160
	29.85000	0.00000	11/2/18	2160
	29.60000	0.00000	12/4/18	2160
	32.20000	0.00000	1/3/19	2160
	46.25000	-0.15000	2/4/19	2160
	42.95000	-0.10000	3/4/19	2160
	33.90000	-0.10000	4/2/19	2160
	30.90000	-0.05000	5/2/19	2160
	30.20000	-0.05000	6/4/19	2160
	32.20000	0.30000	7/2/19	2160
	40.35000	-0.10000	8/2/19	2160
	35.45000	-0.10000	9/4/19	2160
	30.55000	-0.05000	10/2/19	2160
	28.85000	-0.05000	11/4/19	2160
	29.35000	-0.05000	12/3/19	2160
	31.00000	-0.10000	1/3/20	2160
	46.00000	-0.15000	2/4/20	2160
	42.05000	-0.10000	3/3/20	2160
	33.55000	-0.10000	4/2/20	2160
	30.50000	-0.05000	5/4/20	2160
	30.95000	-0.10000	6/2/20	2160
	32.25000	0.30000	7/2/20	2160

	39.70000	-0.10000	8/4/20	2160
	35.85000	-0.10000	9/2/20	2160
	30.05000	-0.05000	10/2/20	2160
	29.10000	-0.05000	11/3/20	2160
	29.45000	-0.05000	12/2/20	2160
	32.05000	-0.10000	1/5/21	2160
	46.65000	-0.10000	2/2/21	2160
	42.85000	-0.10000	3/2/21	2160
	33.00000	-0.05000	4/5/21	2160
	30.25000	-0.05000	5/4/21	2160
	30.55000	-0.05000	6/2/21	2160
	32.40000	-0.05000	7/2/21	2160
	41.25000	-0.05000	8/3/21	2160
	36.80000	-0.05000	9/2/21	2160
	30.50000	-0.05000	10/4/21	2160
	29.95000	-0.05000	11/2/21	2160
	29.65000	-0.05000	12/2/21	2160
	31.55000	-0.05000	1/4/22	2160
	47.80000	-0.10000	2/2/22	2160
	44.95000	-0.10000	3/2/22	2160
	33.15000	-0.05000	4/4/22	2160
	30.35000	-0.05000	5/3/22	2160
	31.10000	-0.05000	6/2/22	2160
	32.90000	-0.05000	7/5/22	2160
	40.85000	-0.05000	8/2/22	2160
	37.45000	-0.05000	9/2/22	2160

	32.05000	-0.05000	10/4/22	2160
	29.65000	-0.05000	11/2/22	2160
	29.90000	-0.05000	12/2/22	2160
	31.50000	-0.05000	1/4/23	2160
	48.60000	-0.10000	2/2/23	2160
	45.75000	-0.10000	3/2/23	2160
	34.00000	-0.05000	4/4/23	2160
	31.10000	-0.05000	5/2/23	2160
	32.15000	-0.05000	6/2/23	2160
	33.85000	-0.05000	7/5/23	2160
	43.15000	-0.05000	8/2/23	2160
	38.65000	-0.05000	9/5/23	2160
	32.75000	-0.05000	10/3/23	2160
	30.25000	-0.05000	11/2/23	2160
	30.55000	-0.05000	12/4/23	2160
	33.00000	-0.05000	1/3/24	2160
	49.50000	-0.10000	2/2/24	2160
	44.50000	-0.10000	3/4/24	2160
	36.00000	-0.05000	4/2/24	2160
	31.95000	-0.05000	5/2/24	2160
	33.15000	-0.05000	6/4/24	2160
	35.05000	-0.05000	7/2/24	2160
	43.75000	-0.05000	8/2/24	2160
	38.10000	-0.05000	9/4/24	2160
	33.85000	-0.05000	10/2/24	2160
	31.05000	-0.05000	11/4/24	2160

	31.15000	-0.05000	12/3/24	2160
	35.20000	-0.05000	1/3/25	2160
	22.49000	0.00000	10/4/16	2161
	22.10000	-0.90000	10/5/16	2161
	23.00000	1.09000	10/6/16	2161
	22.18000	0.27000	10/7/16	2161
	22.18000	0.27000	10/10/16	2161
	19.20000	0.00000	10/10/16	2161
	19.20000	0.00000	10/10/16	2161
	22.18000	0.27000	10/11/16	2161
	22.18000	0.27000	10/12/16	2161
	22.18000	0.27000	10/13/16	2161
	22.18000	0.27000	10/14/16	2161
	22.18000	0.27000	10/17/16	2161
	20.38000	0.22000	10/17/16	2161
	20.38000	0.22000	10/17/16	2161
	22.18000	0.27000	10/18/16	2161
	22.18000	0.27000	10/19/16	2161
	22.18000	0.27000	10/20/16	2161
	22.18000	0.27000	10/21/16	2161
	22.18000	0.27000	10/24/16	2161
	20.38000	0.22000	10/24/16	2161
	20.38000	0.22000	10/24/16	2161
	22.18000	0.27000	10/25/16	2161
	22.18000	0.27000	10/26/16	2161
	22.18000	0.27000	10/27/16	2161

	22.18000	0.27000	10/28/16	2161
	22.18000	0.27000	10/31/16	2161
	20.38000	0.22000	10/31/16	2161
	20.38000	0.22000	10/31/16	2161
	22.18000	0.27000	11/1/16	2161
	21.82000	-0.40000	11/2/16	2161
	21.82000	-0.40000	11/3/16	2161
	21.82000	-0.40000	11/4/16	2161
	21.82000	-0.40000	11/7/16	2161
	20.44000	0.00000	11/7/16	2161
	20.44000	0.00000	11/7/16	2161
	21.82000		11/8/16	2161
	21.82000		11/9/16	2161
	21.82000		11/10/16	2161
	22.65000	0.00000	10/4/16	2162
	23.98000	0.26000	11/2/16	2162
	24.05000	0.00000	12/2/16	2162
	28.05000	0.20000	1/4/17	2162
	37.40000	0.10000	2/2/17	2162
	33.65000	0.10000	3/2/17	2162
	29.35000	0.00000	4/4/17	2162
	24.90000	0.00000	5/2/17	2162
	21.80000	0.25000	6/2/17	2162
	22.25000	0.00000	7/5/17	2162
	24.00000	0.00000	8/2/17	2162
	21.90000	0.00000	9/5/17	2162

	20.95000	0.00000	10/3/17	2162
	22.20000	0.00000	11/2/17	2162
	22.40000	0.00000	12/4/17	2162
	26.35000	0.00000	1/3/18	2162
	35.90000	0.15000	2/2/18	2162
	32.80000	0.15000	3/2/18	2162
	27.20000	0.05000	4/3/18	2162
	24.40000	0.05000	5/2/18	2162
	19.85000	0.00000	6/4/18	2162
	20.40000	0.00000	7/3/18	2162
	22.40000	0.05000	8/2/18	2162
	21.90000	0.05000	9/5/18	2162
	19.25000	0.00000	10/2/18	2162
	20.85000	0.05000	11/2/18	2162
	21.50000	0.05000	12/4/18	2162
	23.75000	0.05000	1/3/19	2162
	35.15000	0.05000	2/4/19	2162
	32.85000	0.05000	3/4/19	2162
	27.00000	0.05000	4/2/19	2162
	22.80000	0.05000	5/2/19	2162
	21.15000	0.05000	6/4/19	2162
	21.10000	0.05000	7/2/19	2162
	22.85000	0.05000	8/2/19	2162
	22.35000	0.05000	9/4/19	2162
	20.75000	0.05000	10/2/19	2162
	20.55000	0.05000	11/4/19	2162

	21.60000	0.05000	12/3/19	2162
	22.80000	0.05000	1/3/20	2162
	34.35000	0.05000	2/4/20	2162
	31.90000	0.05000	3/3/20	2162
	27.50000	0.05000	4/2/20	2162
	22.80000	0.05000	5/4/20	2162
	20.90000	0.05000	6/2/20	2162
	22.05000	0.05000	7/2/20	2162
	22.00000	0.05000	8/4/20	2162
	21.45000	0.05000	9/2/20	2162
	19.75000	0.05000	10/2/20	2162
	21.55000	0.05000	11/3/20	2162
	21.85000	0.05000	12/2/20	2162
	25.25000	0.05000	1/5/21	2162
	35.60000	0.10000	2/2/21	2162
	32.55000	0.05000	3/2/21	2162
	27.00000	0.05000	4/5/21	2162
	22.60000	0.05000	5/4/21	2162
	21.20000	0.05000	6/2/21	2162
	21.45000	0.05000	7/2/21	2162
	22.65000	0.05000	8/3/21	2162
	22.40000	0.05000	9/2/21	2162
	19.40000	0.05000	10/4/21	2162
	21.55000	0.05000	11/2/21	2162
	21.95000	0.05000	12/2/21	2162
	24.55000	0.05000	1/4/22	2162

	39.50000	0.05000	2/2/22	2162
	36.05000	0.05000	3/2/22	2162
	27.70000	0.05000	4/4/22	2162
	24.80000	0.05000	5/3/22	2162
	20.00000	0.05000	6/2/22	2162
	20.70000	0.05000	7/5/22	2162
	22.90000	0.05000	8/2/22	2162
	22.30000	0.05000	9/2/22	2162
	20.50000	0.05000	10/4/22	2162
	21.50000	0.05000	11/2/22	2162
	22.05000	0.05000	12/2/22	2162
	24.15000	0.05000	1/4/23	2162
	39.75000	0.05000	2/2/23	2162
	36.20000	0.05000	3/2/23	2162
	29.70000	0.05000	4/4/23	2162
	26.00000	0.05000	5/2/23	2162
	20.85000	0.05000	6/2/23	2162
	21.85000	0.05000	7/5/23	2162
	23.80000	0.05000	8/2/23	2162
	23.05000	0.05000	9/5/23	2162
	21.65000	0.05000	10/3/23	2162
	21.80000	0.05000	11/2/23	2162
	22.00000	0.05000	12/4/23	2162
	25.05000	0.05000	1/3/24	2162
	40.75000	0.05000	2/2/24	2162
	37.25000	0.05000	3/4/24	2162

	29.80000	0.05000	4/2/24	2162
	27.05000	0.05000	5/2/24	2162
	21.45000	0.05000	6/4/24	2162
	22.35000	0.05000	7/2/24	2162
	24.55000	0.05000	8/2/24	2162
	23.95000	0.05000	9/4/24	2162
	22.30000	0.05000	10/2/24	2162
	22.35000	0.05000	11/4/24	2162
	22.55000	0.05000	12/3/24	2162
	27.00000	0.05000	1/3/25	2162
	22.59000	4.49000	10/4/16	1615
	22.25000	0.00000	10/5/16	1615
	22.25000	0.55000	10/6/16	1615
	21.82000	0.12000	10/7/16	1615
	21.82000	0.12000	10/10/16	1615
	18.60000	0.00000	10/10/16	1615
	18.60000	0.00000	10/10/16	1615
	21.82000	0.12000	10/11/16	1615
	21.82000	0.12000	10/12/16	1615
	21.82000	0.12000	10/13/16	1615
	21.82000	0.12000	10/14/16	1615
	21.82000	0.12000	10/17/16	1615
	20.10000	0.30000	10/17/16	1615
	20.10000	0.30000	10/17/16	1615
	21.82000	0.12000	10/18/16	1615
	21.82000	0.12000	10/19/16	1615

	21.82000	0.12000	10/20/16	1615
	21.82000	0.12000	10/21/16	1615
	21.82000	0.12000	10/24/16	1615
	20.10000	0.30000	10/24/16	1615
	20.10000	0.30000	10/24/16	1615
	21.82000	0.12000	10/25/16	1615
	21.82000	0.12000	10/26/16	1615
	21.82000	0.12000	10/27/16	1615
	21.82000	0.12000	10/28/16	1615
	21.82000	0.12000	10/31/16	1615
	20.10000	0.30000	10/31/16	1615
	20.10000	0.30000	10/31/16	1615
	21.82000	0.12000	11/1/16	1615
	22.01000	-0.39000	11/2/16	1615
	22.01000	-0.39000	11/3/16	1615
	22.01000	-0.39000	11/4/16	1615
	22.01000	-0.39000	11/7/16	1615
	20.44000	0.00000	11/7/16	1615
	20.44000	0.00000	11/7/16	1615
	22.01000		11/8/16	1615
	22.01000		11/9/16	1615
	22.01000		11/10/16	1615
	24.04000	0.00000	10/4/16	548
	23.00000	0.00000	10/5/16	548
	28.58000	2.28000	10/6/16	548
	27.60000	1.30000	10/7/16	548

	27.60000	1.30000	10/10/16	548
	17.65000	0.00000	10/10/16	548
	17.65000	0.00000	10/10/16	548
	26.10000	1.20000	10/11/16	548
	26.10000	1.20000	10/12/16	548
	26.10000	1.20000	10/13/16	548
	26.10000	1.20000	10/14/16	548
	26.10000	1.20000	10/17/16	548
	23.06000	0.77000	10/17/16	548
	23.06000	0.77000	10/17/16	548
	27.65000	0.00000	10/18/16	548
	27.65000	0.00000	10/19/16	548
	27.65000	0.00000	10/20/16	548
	27.65000	0.00000	10/21/16	548
	27.65000	0.00000	10/24/16	548
	23.06000	0.77000	10/24/16	548
	23.06000	0.77000	10/24/16	548
	28.36000	1.37000	10/25/16	548
	28.36000	1.37000	10/26/16	548
	28.36000	1.37000	10/27/16	548
	28.36000	1.37000	10/28/16	548
	28.36000	1.37000	10/31/16	548
	23.06000	0.77000	10/31/16	548
	23.06000	0.77000	10/31/16	548
	28.36000	1.37000	11/1/16	548
	31.60000	0.15000	11/2/16	548

	31.60000	0.15000	11/3/16	548
	31.60000	0.15000	11/4/16	548
	31.60000	0.15000	11/7/16	548
	26.86000	0.13000	11/7/16	548
	26.86000	0.13000	11/7/16	548
	31.60000		11/8/16	548
	31.60000		11/9/16	548
	31.60000		11/10/16	548
	76.05000	0.35000	10/28/16	5947
	75.50000	0.45000	11/25/16	5947
	74.80000	0.40000	12/30/16	5947
	74.00000	1.10000	1/27/17	5947
	72.55000	-0.35000	2/24/17	5947
	71.10000	-1.80000	3/31/17	5947
	69.70000	0.10000	4/28/17	5947
	69.70000	0.10000	5/26/17	5947
	69.70000	0.10000	6/30/17	5947
	67.60000	-0.05000	7/28/17	5947
	67.60000	-0.05000	8/25/17	5947
	67.60000	-0.05000	9/29/17	5947
	65.95000	-0.20000	10/27/17	5947
	65.95000	-0.20000	11/24/17	5947
	65.95000	-0.20000	12/29/17	5947
	66.25000	-0.65000	1/26/18	5947
	66.25000	-0.65000	2/23/18	5947
	66.25000	-0.65000	3/29/18	5947

	66.25000	-0.65000	4/27/18	5947
	66.25000	-0.65000	5/25/18	5947
	66.25000	-0.65000	6/29/18	5947
	66.25000	-0.65000	7/27/18	5947
	66.25000	-0.65000	8/31/18	5947
	66.25000	-0.65000	9/28/18	5947
	66.25000	-0.65000	10/26/18	5947
	66.25000	-0.65000	11/30/18	5947
	66.25000	-0.65000	12/28/18	5947
	76.05000	0.35000	10/28/16	5948
	75.50000	0.45000	11/25/16	5948
	74.80000	0.40000	12/30/16	5948
	74.00000	1.10000	1/27/17	5948
	72.55000	-0.35000	2/24/17	5948
	71.10000	-1.80000	3/31/17	5948
	69.70000	0.10000	4/28/17	5948
	69.70000	0.10000	5/26/17	5948
	69.70000	0.10000	6/30/17	5948
	67.60000	-0.05000	7/28/17	5948
	67.60000	-0.05000	8/25/17	5948
	67.60000	-0.05000	9/29/17	5948
	65.95000	-0.20000	10/27/17	5948
	65.95000	-0.20000	11/24/17	5948
	65.95000	-0.20000	12/29/17	5948
	66.25000	-0.65000	1/26/18	5948
	66.25000	-0.65000	2/23/18	5948

	66.25000	-0.65000	3/29/18	5948
	66.25000	-0.65000	4/27/18	5948
	66.25000	-0.65000	5/25/18	5948
	66.25000	-0.65000	6/29/18	5948
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	66.25000	-0.65000	11/30/18	5948
	66.25000	-0.65000	12/28/18	5948
	76.05000	0.35000	10/28/16	5949
	75.50000	0.45000	11/25/16	5949
	74.80000	0.40000	12/30/16	5949
	74.00000	1.10000	1/27/17	5949
	72.55000	-0.35000	2/24/17	5949
	71.10000	-1.80000	3/31/17	5949
	69.70000	0.10000	4/28/17	5949
	69.70000	0.10000	5/26/17	5949
	69.70000	0.10000	6/30/17	5949
	67.60000	-0.05000	7/28/17	5949
	67.60000	-0.05000	8/25/17	5949
	67.60000	-0.05000	9/29/17	5949
	65.95000	-0.20000	10/27/17	5949
	65.95000	-0.20000	11/24/17	5949
	65.95000	-0.20000	12/29/17	5949
	66.25000	-0.65000	1/26/18	5949

	66.25000	-0.65000	2/23/18	5949
	66.25000	-0.65000	3/29/18	5949
	66.25000	-0.65000	4/27/18	5949
	66.25000	-0.65000	5/25/18	5949
	66.25000	-0.65000	6/29/18	5949
	66.25000	-0.65000	7/27/18	5949
	66.25000	-0.65000	8/31/18	5949
	66.25000	-0.65000	9/28/18	5949
	66.25000	-0.65000	10/26/18	5949
	66.25000	-0.65000	11/30/18	5949
	66.25000	-0.65000	12/28/18	5949
	65.55000	-0.80000	1/25/19	5949
	65.55000	-0.80000	2/22/19	5949
	65.55000	-0.80000	3/29/19	5949
	65.55000	-0.80000	4/26/19	5949
	65.55000	-0.80000	5/31/19	5949
	65.55000	-0.80000	6/28/19	5949
	65.55000	-0.80000	7/26/19	5949
	65.55000	-0.80000	8/30/19	5949
	65.55000	-0.80000	9/27/19	5949
	65.55000	-0.80000	10/25/19	5949
	65.55000	-0.80000	11/29/19	5949
	65.55000	-0.80000	12/27/19	5949
	76.05000	0.35000	10/28/16	3535
	75.50000	0.45000	11/25/16	3535
	74.80000	0.40000	12/30/16	3535

	68.95000	-0.13000	1/27/17	3535
	68.95000	-0.13000	2/24/17	3535
	68.95000	-0.13000	3/31/17	3535
	68.95000	-0.13000	4/28/17	3535
	68.95000	-0.13000	5/26/17	3535
	68.95000	-0.13000	6/30/17	3535
	68.95000	-0.13000	7/28/17	3535
	68.95000	-0.13000	8/25/17	3535
	68.95000	-0.13000	9/29/17	3535
	68.95000	-0.13000	10/27/17	3535
	68.95000	-0.13000	11/24/17	3535
	68.95000	-0.13000	12/29/17	3535
	66.25000	-0.65000	1/26/18	3535
	66.25000	-0.65000	2/23/18	3535
	66.25000	-0.65000	3/29/18	3535
	66.25000	-0.65000	4/27/18	3535
	66.25000	-0.65000	5/25/18	3535
	66.25000	-0.65000	6/29/18	3535
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	66.25000	-0.65000	8/31/18	3535
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	65.55000	-0.80000	2/22/19	3535

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	66.00000	-0.80000	11/27/20	3535
	66.00000	-0.80000	12/24/20	3535
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	75.50000	0.45000	11/25/16	3536
	74.80000	0.40000	12/30/16	3536
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	69.70000	0.10000	5/26/17	3536
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	65.55000	-0.80000	2/22/19	3536
	65.55000	-0.80000	3/29/19	3536

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	74.80000	0.40000	12/30/16	519
	74.00000	1.10000	1/27/17	519
	72.55000	-0.35000	2/24/17	519
	71.10000	-1.80000	3/31/17	519
	69.70000	0.10000	4/28/17	519
	69.70000	0.10000	5/26/17	519
	69.70000	0.10000	6/30/17	519
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	66.40000	-0.80000	12/30/22	519
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	25.33000	0.23000	11/7/16	5765
	25.65000	0.10000	12/7/16	5765

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	31.60000	0.20000	2/7/17	5765
	27.70000	0.15000	3/7/17	5765
	26.40000	0.00000	4/7/17	5765
	21.00000	0.00000	5/5/17	5765
	21.20000	0.25000	6/7/17	5765
	20.20000	0.00000	7/10/17	5765
	23.60000	0.20000	8/7/17	5765
	21.50000	0.20000	9/8/17	5765
	20.40000	0.00000	10/6/17	5765
	21.60000	0.00000	11/7/17	5765
	21.30000	0.00000	12/7/17	5765
	25.75000	0.00000	1/8/18	5765
	34.00000	0.15000	2/7/18	5765
	31.30000	0.15000	3/7/18	5765
	24.55000	0.05000	4/6/18	5765
	22.95000	0.05000	5/7/18	5765
	19.60000	0.00000	6/7/18	5765
	20.05000	0.00000	7/9/18	5765
	21.90000	0.05000	8/7/18	5765
	21.50000	0.05000	9/10/18	5765
	19.00000	0.00000	10/5/18	5765
	20.35000	0.00000	11/7/18	5765
	21.30000	0.05000	12/7/18	5765
	22.50000	0.05000	1/8/19	5765
	30.92000	0.00000	10/7/16	5764

	29.82000	0.49000	11/7/16	5764
	30.05000	0.35000	12/7/16	5764
	30.85000	0.50000	1/9/17	5764
	34.50000	0.25000	2/7/17	5764
	33.05000	0.35000	3/7/17	5764
	33.60000	0.45000	4/7/17	5764
	29.45000	0.10000	5/5/17	5764
	30.25000	0.15000	6/7/17	5764
	29.50000	0.10000	7/10/17	5764
	37.45000	0.00000	8/7/17	5764
	32.75000	0.00000	9/8/17	5764
	29.30000	0.15000	10/6/17	5764
	28.30000	0.15000	11/7/17	5764
	28.05000	0.30000	12/7/17	5764
	30.80000	0.15000	1/8/18	5764
	39.45000	0.30000	2/7/18	5764
	37.15000	0.30000	3/7/18	5764
	30.10000	0.10000	4/6/18	5764
	27.30000	0.10000	5/7/18	5764
	28.60000	0.00000	6/7/18	5764
	28.70000	0.00000	7/9/18	5764
	36.10000	0.00000	8/7/18	5764
	32.60000	0.00000	9/10/18	5764
	28.80000	0.15000	10/5/18	5764
	28.55000	0.00000	11/7/18	5764
	28.95000	0.00000	12/7/18	5764

	27.95000	0.00000	1/8/19	5764
	24.44000	0.00000	10/4/16	1625
	23.65000	0.36000	11/2/16	1625
	24.05000	0.00000	12/2/16	1625
	28.10000	0.20000	1/4/17	1625
	37.25000	0.10000	2/2/17	1625
	33.55000	0.10000	3/2/17	1625
	29.25000	0.00000	4/4/17	1625
	24.80000	0.00000	5/2/17	1625
	21.70000	0.25000	6/2/17	1625
	22.15000	0.00000	7/5/17	1625
	23.90000	0.00000	8/2/17	1625
	21.80000	0.00000	9/5/17	1625
	20.85000	0.00000	10/3/17	1625
	22.10000	0.00000	11/2/17	1625
	22.30000	0.00000	12/4/17	1625
	26.30000	0.00000	1/3/18	1625
	35.85000	0.15000	2/2/18	1625
	32.75000	0.15000	3/2/18	1625
	27.15000	0.05000	4/3/18	1625
	24.35000	0.05000	5/2/18	1625
	19.80000	0.00000	6/4/18	1625
	20.35000	0.00000	7/3/18	1625
	22.35000	0.05000	8/2/18	1625
	21.85000	0.05000	9/5/18	1625
	19.20000	0.00000	10/2/18	1625

	20.80000	0.05000	11/2/18	1625
	21.45000	0.05000	12/4/18	1625
	23.85000	0.05000	1/3/19	1625
	35.15000	0.05000	2/4/19	1625
	32.85000	0.05000	3/4/19	1625
	27.00000	0.05000	4/2/19	1625
	22.80000	0.05000	5/2/19	1625
	21.15000	0.05000	6/4/19	1625
	21.10000	0.05000	7/2/19	1625
	22.85000	0.05000	8/2/19	1625
	22.35000	0.05000	9/4/19	1625
	20.75000	0.05000	10/2/19	1625
	20.55000	0.05000	11/4/19	1625
	21.60000	0.05000	12/3/19	1625
	22.75000	0.05000	1/3/20	1625
	34.35000	0.05000	2/4/20	1625
	31.90000	0.05000	3/3/20	1625
	27.50000	0.05000	4/2/20	1625
	22.80000	0.05000	5/4/20	1625
	20.90000	0.05000	6/2/20	1625
	22.05000	0.05000	7/2/20	1625
	22.00000	0.05000	8/4/20	1625
	21.45000	0.05000	9/2/20	1625
	19.75000	0.05000	10/2/20	1625
	21.55000	0.05000	11/3/20	1625
	21.85000	0.05000	12/2/20	1625

	24.95000	0.05000	1/5/21	1625
	35.60000	0.10000	2/2/21	1625
	32.55000	0.05000	3/2/21	1625
	27.00000	0.05000	4/5/21	1625
	22.60000	0.05000	5/4/21	1625
	21.20000	0.05000	6/2/21	1625
	21.45000	0.05000	7/2/21	1625
	22.65000	0.05000	8/3/21	1625
	22.40000	0.05000	9/2/21	1625
	19.40000	0.05000	10/4/21	1625
	21.55000	0.05000	11/2/21	1625
	21.95000	0.05000	12/2/21	1625
	24.50000	0.05000	1/4/22	1625
	39.50000	0.05000	2/3/22	1625
	36.05000	0.05000	3/3/22	1625
	27.70000	0.05000	4/5/22	1625
	24.80000	0.05000	5/4/22	1625
	20.00000	0.05000	6/3/22	1625
	20.70000	0.05000	7/6/22	1625
	22.90000	0.05000	8/3/22	1625
	22.30000	0.05000	9/6/22	1625
	20.50000	0.05000	10/5/22	1625
	21.50000	0.05000	11/3/22	1625
	22.05000	0.05000	12/5/22	1625
	24.30000	0.05000	1/5/23	1625
	39.75000	0.05000	2/3/23	1625

	36.20000	0.05000	3/3/23	1625
	29.70000	0.05000	4/5/23	1625
	26.00000	0.05000	5/3/23	1625
	20.85000	0.05000	6/5/23	1625
	21.85000	0.05000	7/6/23	1625
	23.80000	0.05000	8/3/23	1625
	23.05000	0.05000	9/6/23	1625
	21.65000	0.05000	10/4/23	1625
	21.80000	0.05000	11/3/23	1625
	22.00000	0.05000	12/5/23	1625
	25.00000	0.05000	1/4/24	1625
	40.75000	0.05000	2/5/24	1625
	37.25000	0.05000	3/5/24	1625
	29.80000	0.05000	4/3/24	1625
	27.05000	0.05000	5/3/24	1625
	21.45000	0.05000	6/5/24	1625
	22.35000	0.05000	7/3/24	1625
	24.55000	0.05000	8/5/24	1625
	23.95000	0.05000	9/5/24	1625
	22.30000	0.05000	10/3/24	1625
	22.35000	0.05000	11/5/24	1625
	22.55000	0.05000	12/4/24	1625
	27.00000	0.05000	1/6/25	1625
	17.43000	0.00000	10/4/16	368
	14.35000	-0.52000	11/2/16	368
	18.45000	0.00000	12/2/16	368

	28.55000	-1.30000	1/4/17	368
	38.25000	0.20000	2/2/17	368
	34.80000	0.15000	3/2/17	368
	26.15000	0.00000	4/4/17	368
	18.30000	0.00000	5/2/17	368
	17.50000	0.25000	6/2/17	368
	17.25000	0.00000	7/5/17	368
	23.60000	0.00000	8/2/17	368
	21.85000	0.00000	9/5/17	368
	19.30000	0.00000	10/3/17	368
	18.15000	0.00000	11/2/17	368
	21.35000	0.00000	12/4/17	368
	26.80000	0.00000	1/3/18	368
	35.40000	-0.20000	2/2/18	368
	32.20000	-0.20000	3/2/18	368
	26.95000	-0.25000	4/3/18	368
	18.10000	-0.15000	5/2/18	368
	17.95000	-0.15000	6/4/18	368
	19.05000	-0.20000	7/3/18	368
	22.65000	-0.20000	8/2/18	368
	22.00000	-0.20000	9/5/18	368
	17.75000	-0.15000	10/2/18	368
	19.60000	-0.20000	11/2/18	368
	21.05000	-0.20000	12/4/18	368
	23.60000	-0.20000	1/3/19	368
	35.30000	-0.30000	2/4/19	368

	33.80000	-0.30000	3/4/19	368
	25.45000	-0.20000	4/2/19	368
	17.70000	-0.15000	5/2/19	368
	18.05000	-0.15000	6/4/19	368
	19.05000	-0.15000	7/2/19	368
	23.80000	-0.20000	8/2/19	368
	23.35000	-0.20000	9/4/19	368
	20.10000	-0.15000	10/2/19	368
	19.25000	-0.15000	11/4/19	368
	20.85000	-0.15000	12/3/19	368
	22.55000	-0.20000	1/3/20	368
	34.70000	-0.25000	2/4/20	368
	32.25000	-0.25000	3/3/20	368
	26.00000	-0.20000	4/2/20	368
	17.95000	-0.15000	5/4/20	368
	18.10000	-0.15000	6/2/20	368
	19.40000	-0.15000	7/2/20	368
	23.80000	-0.20000	8/4/20	368
	23.15000	-0.20000	9/2/20	368
	19.20000	-0.15000	10/2/20	368
	19.90000	-0.15000	11/3/20	368
	21.15000	-0.15000	12/2/20	368
	24.75000	-0.20000	1/5/21	368
	34.75000	-0.25000	2/2/21	368
	32.30000	-0.25000	3/2/21	368
	23.85000	-0.20000	4/5/21	368

	17.65000	-0.15000	5/4/21	368
	18.20000	-0.15000	6/2/21	368
	20.20000	-0.15000	7/2/21	368
	23.95000	-0.20000	8/3/21	368
	23.30000	-0.20000	9/2/21	368
	20.20000	-0.15000	10/4/21	368
	20.90000	-0.15000	11/2/21	368
	20.85000	-0.15000	12/2/21	368
	23.85000	-0.20000	1/4/22	368
	9.41000	0.00000	10/4/16	553
	9.19000	0.00000	10/5/16	553
	10.41000	-1.66000	10/6/16	553
	10.33000	-1.74000	10/7/16	553
	10.33000	-1.74000	10/10/16	553
	17.00000	0.00000	10/10/16	553
	17.00000	0.00000	10/10/16	553
	10.33000	-1.74000	10/11/16	553
	10.33000	-1.74000	10/12/16	553
	10.33000	-1.74000	10/13/16	553
	10.33000	-1.74000	10/14/16	553
	10.33000	-1.74000	10/17/16	553
	12.20000	-0.44000	10/17/16	553
	12.20000	-0.44000	10/17/16	553
	10.33000	-1.74000	10/18/16	553
	10.33000	-1.74000	10/19/16	553
	10.33000	-1.74000	10/20/16	553

	10.33000	-1.74000	10/21/16	553
	10.33000	-1.74000	10/24/16	553
	12.20000	-0.44000	10/24/16	553
	12.20000	-0.44000	10/24/16	553
	10.33000	-1.74000	10/25/16	553
	10.33000	-1.74000	10/26/16	553
	10.33000	-1.74000	10/27/16	553
	10.33000	-1.74000	10/28/16	553
	10.33000	-1.74000	10/31/16	553
	12.20000	-0.44000	10/31/16	553
	12.20000	-0.44000	10/31/16	553
	10.33000	-1.74000	11/1/16	553
	12.45000	-0.11000	11/2/16	553
	12.45000	-0.11000	11/3/16	553
	12.45000	-0.11000	11/4/16	553
	12.45000	-0.11000	11/7/16	553
	15.68000	0.00000	11/7/16	553
	15.68000	0.00000	11/7/16	553
	12.45000		11/8/16	553
	12.45000		11/9/16	553
	12.45000		11/10/16	553
	35.46000	0.00000	10/4/16	4181
	32.83000	0.90000	11/2/16	4181
	33.25000	0.55000	12/2/16	4181
	36.15000	0.50000	1/4/17	4181
	36.96000	0.19000	2/2/17	4181

	36.96000	0.19000	3/2/17	4181
	36.96000	0.19000	4/4/17	4181
	36.96000	0.19000	5/2/17	4181
	36.96000	0.19000	6/2/17	4181
	36.96000	0.19000	7/5/17	4181
	36.96000	0.19000	8/2/17	4181
	36.96000	0.19000	9/5/17	4181
	36.96000	0.19000	10/3/17	4181
	36.96000	0.19000	11/2/17	4181
	36.96000	0.19000	12/4/17	4181
	36.96000	0.19000	1/3/18	4181
	35.04000	0.08000	2/2/18	4181
	35.04000	0.08000	3/2/18	4181
	35.04000	0.08000	4/3/18	4181
	35.04000	0.08000	5/2/18	4181
	35.04000	0.08000	6/4/18	4181
	35.04000	0.08000	7/3/18	4181
	35.04000	0.08000	8/2/18	4181
	35.04000	0.08000	9/5/18	4181
	35.04000	0.08000	10/2/18	4181
	35.04000	0.08000	11/2/18	4181
	35.04000	0.08000	12/4/18	4181
	35.04000	0.08000	1/3/19	4181
	24.44000	0.00000	10/4/16	4182
	23.65000	0.36000	11/2/16	4182
	24.05000	0.00000	12/2/16	4182

	28.10000	0.20000	1/4/17	4182
	25.47000	0.03000	2/2/17	4182
	25.47000	0.03000	3/2/17	4182
	25.47000	0.03000	4/4/17	4182
	25.47000	0.03000	5/2/17	4182
	25.47000	0.03000	6/2/17	4182
	25.47000	0.03000	7/5/17	4182
	25.47000	0.03000	8/2/17	4182
	25.47000	0.03000	9/5/17	4182
	25.47000	0.03000	10/3/17	4182
	25.47000	0.03000	11/2/17	4182
	25.47000	0.03000	12/4/17	4182
	25.47000	0.03000	1/3/18	4182
	24.07000	0.06000	2/5/18	4182
	24.07000	0.06000	3/5/18	4182
	24.07000	0.06000	4/4/18	4182
	24.07000	0.06000	5/3/18	4182
	24.07000	0.06000	6/5/18	4182
	24.07000	0.06000	7/5/18	4182
	24.07000	0.06000	8/3/18	4182
	24.07000	0.06000	9/6/18	4182
	24.07000	0.06000	10/3/18	4182
	24.07000	0.06000	11/5/18	4182
	24.07000	0.06000	12/5/18	4182
	24.07000	0.06000	1/4/19	4182
	75.60000	0.85000	10/28/16	5944

	74.45000	1.20000	11/25/16	5944
	73.00000	1.25000	12/30/16	5944
	71.30000	2.25000	1/27/17	5944
	69.55000	0.50000	2/24/17	5944
	67.80000	-1.25000	3/31/17	5944
	65.50000	0.30000	4/28/17	5944
	65.50000	0.30000	5/26/17	5944
	65.50000	0.30000	6/30/17	5944
	63.95000	0.20000	7/28/17	5944
	63.95000	0.20000	8/25/17	5944
	63.95000	0.20000	9/29/17	5944
	62.40000	-0.20000	10/27/17	5944
	62.40000	-0.20000	11/24/17	5944
	62.40000	-0.20000	12/29/17	5944
	62.10000	-0.50000	1/26/18	5944
	62.10000	-0.50000	2/23/18	5944
	62.10000	-0.50000	3/29/18	5944
	62.10000	-0.50000	4/27/18	5944
	62.10000	-0.50000	5/25/18	5944
	62.10000	-0.50000	6/29/18	5944
	62.10000	-0.50000	7/27/18	5944
	62.10000	-0.50000	8/31/18	5944
	62.10000	-0.50000	9/28/18	5944
	62.10000	-0.50000	10/26/18	5944
	62.10000	-0.50000	11/30/18	5944
	62.10000	-0.50000	12/28/18	5944

	75.60000	0.85000	10/28/16	5945
	74.45000	1.20000	11/25/16	5945
	73.00000	1.25000	12/30/16	5945
	71.30000	2.25000	1/27/17	5945
	69.55000	0.50000	2/24/17	5945
	67.80000	-1.25000	3/31/17	5945
	65.50000	0.30000	4/28/17	5945
	65.50000	0.30000	5/26/17	5945
	65.50000	0.30000	6/30/17	5945
	63.95000	0.20000	7/28/17	5945
	63.95000	0.20000	8/25/17	5945
	63.95000	0.20000	9/29/17	5945
	62.40000	-0.20000	10/27/17	5945
	62.40000	-0.20000	11/24/17	5945
	62.40000	-0.20000	12/29/17	5945
	62.10000	-0.50000	1/26/18	5945
	62.10000	-0.50000	2/23/18	5945
	62.10000	-0.50000	3/29/18	5945
	62.10000	-0.50000	4/27/18	5945
	62.10000	-0.50000	5/25/18	5945
	62.10000	-0.50000	6/29/18	5945
	62.10000	-0.50000	7/27/18	5945
	62.10000	-0.50000	8/31/18	5945
	62.10000	-0.50000	9/28/18	5945
	62.10000	-0.50000	10/26/18	5945
	62.10000	-0.50000	11/30/18	5945

	62.10000	-0.50000	12/28/18	5945
	75.60000	0.85000	10/28/16	5946
	74.45000	1.20000	11/25/16	5946
	73.00000	1.25000	12/30/16	5946
	71.30000	2.25000	1/27/17	5946
	69.55000	0.50000	2/24/17	5946
	67.80000	-1.25000	3/31/17	5946
	65.50000	0.30000	4/28/17	5946
	65.50000	0.30000	5/26/17	5946
	65.50000	0.30000	6/30/17	5946
	63.95000	0.20000	7/28/17	5946
	63.95000	0.20000	8/25/17	5946
	63.95000	0.20000	9/29/17	5946
	62.40000	-0.20000	10/27/17	5946
	62.40000	-0.20000	11/24/17	5946
	62.40000	-0.20000	12/29/17	5946
	62.10000	-0.50000	1/26/18	5946
	62.10000	-0.50000	2/23/18	5946
	62.10000	-0.50000	3/29/18	5946
	62.10000	-0.50000	4/27/18	5946
	62.10000	-0.50000	5/25/18	5946
	62.10000	-0.50000	6/29/18	5946
	62.10000	-0.50000	7/27/18	5946
	62.10000	-0.50000	8/31/18	5946
	62.10000	-0.50000	9/28/18	5946
	62.10000	-0.50000	10/26/18	5946

	62.10000	-0.50000	11/30/18	5946
	62.10000	-0.50000	12/28/18	5946
	61.50000	-0.45000	1/25/19	5946
	61.50000	-0.45000	2/22/19	5946
	61.50000	-0.45000	3/29/19	5946
	61.50000	-0.45000	4/26/19	5946
	61.50000	-0.45000	5/31/19	5946
	61.50000	-0.45000	6/28/19	5946
	61.50000	-0.45000	7/26/19	5946
	61.50000	-0.45000	8/30/19	5946
	61.50000	-0.45000	9/27/19	5946
	61.50000	-0.45000	10/25/19	5946
	61.50000	-0.45000	11/29/19	5946
	61.50000	-0.45000	12/27/19	5946
	75.60000	0.85000	10/28/16	18472
	74.45000	1.20000	11/25/16	18472
	73.00000	1.25000	12/30/16	18472
	71.30000	2.25000	1/27/17	18472
	69.55000	0.50000	2/24/17	18472
	67.80000	-1.25000	3/31/17	18472
	65.50000	0.30000	4/28/17	18472
	65.50000	0.30000	5/26/17	18472
	65.50000	0.30000	6/30/17	18472
	63.95000	0.20000	7/28/17	18472
	63.95000	0.20000	8/25/17	18472
	63.95000	0.20000	9/29/17	18472

	62.40000	-0.20000	10/27/17	18472
	62.40000	-0.20000	11/24/17	18472
	62.40000	-0.20000	12/29/17	18472
	62.25000	-0.15000	1/26/18	18472
	62.25000	-0.15000	2/23/18	18472
	62.25000	-0.15000	3/29/18	18472
	62.15000	-0.15000	4/27/18	18472
	62.15000	-0.15000	5/25/18	18472
	62.15000	-0.15000	6/29/18	18472
	62.00000	-0.85000	7/27/18	18472
	62.00000	-0.85000	8/31/18	18472
	62.00000	-0.85000	9/28/18	18472
	62.00000	-0.85000	10/26/18	18472
	62.00000	-0.85000	11/30/18	18472
	62.00000	-0.85000	12/28/18	18472
	61.50000	-0.45000	1/25/19	18472
	61.50000	-0.45000	2/22/19	18472
	61.50000	-0.45000	3/29/19	18472
	61.50000	-0.45000	4/26/19	18472
	61.50000	-0.45000	5/31/19	18472
	61.50000	-0.45000	6/28/19	18472
	61.50000	-0.45000	7/26/19	18472
	61.50000	-0.45000	8/30/19	18472
	61.50000	-0.45000	9/27/19	18472
	61.50000	-0.45000	10/25/19	18472
	61.50000	-0.45000	11/29/19	18472

	61.50000	-0.45000	12/27/19	18472
	75.60000	0.85000	10/28/16	3539
	74.45000	1.20000	11/25/16	3539
	73.00000	1.25000	12/30/16	3539
	65.35000	0.20000	1/27/17	3539
	65.35000	0.20000	2/24/17	3539
	65.35000	0.20000	3/31/17	3539
	65.35000	0.20000	4/28/17	3539
	65.35000	0.20000	5/26/17	3539
	65.35000	0.20000	6/30/17	3539
	65.35000	0.20000	7/28/17	3539
	65.35000	0.20000	8/25/17	3539
	65.35000	0.20000	9/29/17	3539
	65.35000	0.20000	10/27/17	3539
	65.35000	0.20000	11/24/17	3539
	65.35000	0.20000	12/29/17	3539
	62.10000	-0.50000	1/26/18	3539
	62.10000	-0.50000	2/23/18	3539
	62.10000	-0.50000	3/29/18	3539
	62.10000	-0.50000	4/27/18	3539
	62.10000	-0.50000	5/25/18	3539
	62.10000	-0.50000	6/29/18	3539
	62.10000	-0.50000	7/27/18	3539
	62.10000	-0.50000	8/31/18	3539
	62.10000	-0.50000	9/28/18	3539
	62.10000	-0.50000	10/26/18	3539

	62.10000	-0.50000	11/30/18	3539
	62.10000	-0.50000	12/28/18	3539
	61.50000	-0.45000	1/25/19	3539
	61.50000	-0.45000	2/22/19	3539
	61.50000	-0.45000	3/29/19	3539
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	61.50000	-0.45000	8/30/19	3539
	61.50000	-0.45000	9/27/19	3539
	61.50000	-0.45000	10/25/19	3539
	61.50000	-0.45000	11/29/19	3539
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	61.85000	-0.45000	6/26/20	3539
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	61.85000	-0.45000	8/28/20	3539
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	61.85000	-0.45000	10/30/20	3539
	61.85000	-0.45000	11/27/20	3539
	61.85000	-0.45000	12/24/20	3539

	75.60000	0.85000	10/28/16	3540
	74.45000	1.20000	11/25/16	3540
	73.00000	1.25000	12/30/16	3540
	69.55000	0.50000	1/27/17	3540
	69.55000	0.50000	2/24/17	3540
	69.55000	0.50000	3/31/17	3540
	65.50000	0.30000	4/28/17	3540
	65.50000	0.30000	5/26/17	3540
	65.50000	0.30000	6/30/17	3540
	63.95000	0.20000	7/28/17	3540
	63.95000	0.20000	8/25/17	3540
	63.95000	0.20000	9/29/17	3540
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	62.40000	-0.20000	11/24/17	3540
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	62.25000	-0.15000	2/23/18	3540
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	62.15000	-0.15000	5/25/18	3540
	62.15000	-0.15000	6/29/18	3540
	62.00000	-0.85000	7/27/18	3540
	62.00000	-0.85000	8/31/18	3540
	62.00000	-0.85000	9/28/18	3540
	62.00000	-0.85000	10/26/18	3540
	62.00000	-0.85000	11/30/18	3540

	62.00000	-0.85000	12/28/18	3540
	61.50000	-0.45000	1/25/19	3540
	61.50000	-0.45000	2/22/19	3540
	61.50000	-0.45000	3/29/19	3540
	75.60000	0.85000	10/28/16	517
	74.45000	1.20000	11/25/16	517
	73.00000	1.25000	12/30/16	517
	71.30000	2.25000	1/27/17	517
	69.55000	0.50000	2/24/17	517
	67.80000	-1.25000	3/31/17	517
	65.50000	0.30000	4/28/17	517
	65.50000	0.30000	5/26/17	517
	65.50000	0.30000	6/30/17	517
	63.95000	0.20000	7/28/17	517
	63.95000	0.20000	8/25/17	517
	63.95000	0.20000	9/29/17	517
	62.40000	-0.20000	10/27/17	517
	62.40000	-0.20000	11/24/17	517
	62.40000	-0.20000	12/29/17	517
	62.25000	-0.15000	1/26/18	517
	62.25000	-0.15000	2/23/18	517
	62.25000	-0.15000	3/29/18	517
	62.15000	-0.15000	4/27/18	517
	62.15000	-0.15000	5/25/18	517
	62.15000	-0.15000	6/29/18	517
	62.00000	-0.85000	7/27/18	517

	62.00000	-0.85000	8/31/18	517
	62.00000	-0.85000	9/28/18	517
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	62.00000	-0.85000	11/30/18	517
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	61.50000	-0.45000	2/22/19	517
	61.50000	-0.45000	3/29/19	517
	61.50000	-0.45000	4/26/19	517
	61.50000	-0.45000	5/31/19	517
	61.50000	-0.45000	6/28/19	517
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	61.85000	-0.45000	2/28/20	517
	61.85000	-0.45000	3/27/20	517
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	61.85000	-0.45000	8/28/20	517
	61.85000	-0.45000	9/25/20	517

	61.85000	-0.45000	10/30/20	517
	61.85000	-0.45000	11/27/20	517
	61.85000	-0.45000	12/31/20	517
	62.10000	-0.45000	1/29/21	517
	62.10000	-0.45000	2/26/21	517
	62.10000	-0.45000	3/26/21	517
	62.10000	-0.45000	4/30/21	517
	62.10000	-0.45000	5/28/21	517
	62.10000	-0.45000	6/25/21	517
	62.10000	-0.45000	7/30/21	517
	62.10000	-0.45000	8/27/21	517
	62.10000	-0.45000	9/24/21	517
	62.10000	-0.45000	10/29/21	517
	62.10000	-0.45000	11/26/21	517
	62.10000	-0.45000	12/31/21	517
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	62.35000	-0.45000	2/25/22	517
	62.35000	-0.45000	3/25/22	517
	62.35000	-0.45000	4/29/22	517
	62.35000	-0.45000	5/27/22	517
	62.35000	-0.45000	6/24/22	517
	62.35000	-0.45000	7/29/22	517
	62.35000	-0.45000	8/26/22	517
	62.35000	-0.45000	9/30/22	517
	62.35000	-0.45000	10/28/22	517
	62.35000	-0.45000	11/25/22	517

	62.35000	-0.45000	12/30/22	517
	41.56000	-0.17000	10/28/16	19031
	51.00000	-0.95000	11/29/16	19031
	49.02000	0.05000	12/30/16	19031
	49.06000	-0.54000	1/30/17	19031
	50.15000	-0.54000	2/27/17	19031
	44.12000	-0.54000	3/30/17	19031
	35.01000	-0.27000	4/28/17	19031
	30.34000	-0.27000	5/30/17	19031
	28.42000	-0.27000	6/29/17	19031
	29.20000	-0.87000	7/28/17	19031
	27.52000	-0.87000	8/30/17	19031
	34.16000	-0.87000	9/29/17	19031
	38.25000	-0.38000	10/30/17	19031
	40.17000	-0.38000	11/29/17	19031
	37.99000	-0.38000	12/29/17	19031
	38.57000	-0.29000	1/30/18	19031
	39.13000	-0.29000	2/27/18	19031
	34.11000	-0.29000	3/29/18	19031
	32.03000	-0.29000	4/27/18	19031
	30.19000	-0.29000	5/30/18	19031
	30.36000	-0.29000	6/29/18	19031
	28.29000	-0.29000	7/30/18	19031
	25.21000	-0.29000	8/30/18	19031
	30.17000	-0.29000	9/28/18	19031
	36.00000	-0.29000	10/30/18	19031

	38.52000	-0.29000	11/29/18	19031
	37.85000	-0.29000	12/28/18	19031
	38.01000	-0.14000	1/30/19	19031
	38.87000	-0.14000	2/27/19	19031
	33.79000	-0.14000	3/29/19	19031
	31.66000	-0.14000	4/29/19	19031
	30.26000	-0.14000	5/30/19	19031
	30.72000	-0.14000	6/28/19	19031
	28.57000	-0.14000	7/30/19	19031
	25.32000	-0.14000	8/30/19	19031
	30.15000	-0.14000	9/27/19	19031
	35.76000	-0.14000	10/30/19	19031
	38.09000	-0.14000	11/29/19	19031
	37.13000	-0.14000	12/30/19	19031
	37.24000	-0.14000	1/30/20	19031
	38.15000	-0.14000	2/28/20	19031
	33.07000	-0.14000	3/30/20	19031
	30.79000	-0.14000	4/29/20	19031
	29.20000	-0.14000	5/29/20	19031
	29.73000	-0.14000	6/29/20	19031
	27.65000	-0.14000	7/30/20	19031
	25.49000	-0.14000	8/28/20	19031
	30.32000	-0.14000	9/29/20	19031
	35.92000	-0.14000	10/30/20	19031
	38.22000	-0.14000	11/27/20	19031
	37.24000	-0.14000	12/30/20	19031

	36.88000	-0.14000	1/29/21	19031
	37.79000	-0.14000	2/26/21	19031
	32.71000	-0.14000	3/30/21	19031
	30.43000	-0.14000	4/29/21	19031
	28.84000	-0.14000	5/28/21	19031
	29.37000	-0.14000	6/29/21	19031
	27.29000	-0.14000	7/30/21	19031
	25.13000	-0.14000	8/30/21	19031
	35.86000	0.00000	10/7/16	18456
	32.98000	0.21000	11/7/16	18456
	36.40000	0.35000	12/7/16	18456
	29.90000	0.50000	1/9/17	18456
	40.70000	0.25000	2/7/17	18456
	39.30000	0.35000	3/7/17	18456
	36.15000	0.45000	4/7/17	18456
	33.75000	0.10000	5/5/17	18456
	33.20000	0.20000	6/7/17	18456
	33.25000	0.10000	7/10/17	18456
	40.80000	0.00000	8/7/17	18456
	36.25000	0.00000	9/8/17	18456
	31.30000	0.15000	10/6/17	18456
	30.40000	0.15000	11/7/17	18456
	30.75000	0.30000	12/7/17	18456
	32.70000	0.15000	1/8/18	18456
	42.65000	0.30000	2/7/18	18456
	39.20000	0.30000	3/7/18	18456

	33.90000	0.10000	4/6/18	18456
	30.25000	0.10000	5/7/18	18456
	31.55000	0.00000	6/7/18	18456
	33.05000	0.00000	7/9/18	18456
	41.40000	0.00000	8/7/18	18456
	37.05000	0.00000	9/10/18	18456
	31.70000	0.15000	10/5/18	18456
	30.60000	0.00000	11/7/18	18456
	34.25000	0.00000	12/7/18	18456
	27.65000	0.00000	1/8/19	18456
	43.50000	-0.15000	2/7/19	18456
	40.30000	-0.10000	3/7/19	18456
	33.50000	-0.10000	4/5/19	18456
	30.30000	-0.05000	5/7/19	18456
	25.40000	-0.05000	6/7/19	18456
	33.15000	0.30000	7/8/19	18456
	40.60000	-0.10000	8/7/19	18456
	36.65000	-0.10000	9/9/19	18456
	30.35000	-0.05000	10/7/19	18456
	29.45000	-0.05000	11/7/19	18456
	32.75000	-0.05000	12/6/19	18456
	26.30000	-0.10000	1/8/20	18456
	23.89000	0.00000	10/7/16	18457
	25.20000	0.30000	11/7/16	18457
	25.35000	0.10000	12/7/16	18457
	21.80000	0.20000	1/9/17	18457

	32.65000	0.20000	2/7/17	18457
	28.40000	0.15000	3/7/17	18457
	27.40000	0.00000	4/7/17	18457
	21.15000	0.00000	5/5/17	18457
	21.35000	0.25000	6/7/17	18457
	21.15000	0.00000	7/10/17	18457
	23.75000	0.00000	8/7/17	18457
	21.35000	0.00000	9/8/17	18457
	21.40000	0.00000	10/6/17	18457
	22.15000	0.00000	11/7/17	18457
	21.65000	0.00000	12/7/17	18457
	25.85000	0.00000	1/8/18	18457
	33.25000	0.15000	2/7/18	18457
	30.35000	0.15000	3/7/18	18457
	24.90000	0.05000	4/6/18	18457
	22.65000	0.05000	5/7/18	18457
	19.20000	0.00000	6/7/18	18457
	20.35000	0.00000	7/9/18	18457
	22.35000	0.05000	8/7/18	18457
	21.90000	0.05000	9/10/18	18457
	19.80000	0.00000	10/5/18	18457
	23.45000	0.05000	11/7/18	18457
	24.30000	0.05000	12/7/18	18457
	19.20000	0.05000	1/8/19	18457
	33.80000	0.05000	2/7/19	18457
	31.50000	0.05000	3/7/19	18457

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	22.20000	0.05000	5/7/19	18457
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	22.95000	0.05000	7/8/19	18457
	25.40000	0.05000	8/7/19	18457
	23.65000	0.05000	9/9/19	18457
	21.85000	0.05000	10/7/19	18457
	23.75000	0.05000	11/7/19	18457
	24.90000	0.05000	12/6/19	18457
	18.50000	0.05000	1/8/20	18457
	51.44000	0.00000	10/4/16	2582
	43.01000	1.26000	11/2/16	2582
	43.20000	1.30000	12/2/16	2582
	50.65000	0.50000	1/4/17	2582
	68.70000	0.25000	2/2/17	2582
	66.50000	0.35000	3/2/17	2582
	49.00000	0.45000	4/4/17	2582
	43.00000	0.10000	5/2/17	2582
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	45.10000	0.10000	7/5/17	2582
	56.40000	0.15000	8/2/17	2582
	52.30000	0.10000	9/5/17	2582
	41.70000	0.15000	10/3/17	2582
	40.00000	0.15000	11/2/17	2582
	40.60000	0.30000	12/4/17	2582
	45.25000	0.20000	1/3/18	2582

	63.35000	0.30000	2/2/18	2582
	59.40000	0.30000	3/2/18	2582
	41.60000	0.10000	4/3/18	2582
	36.10000	0.10000	5/2/18	2582
	36.65000	0.00000	6/4/18	2582
	40.85000	0.00000	7/3/18	2582
	53.45000	0.00000	8/2/18	2582
	49.50000	0.00000	9/5/18	2582
	36.95000	0.15000	10/2/18	2582
	35.00000	0.00000	11/2/18	2582
	35.80000	0.00000	12/4/18	2582
	39.35000	0.00000	1/3/19	2582
	62.10000	-0.15000	2/4/19	2582
	58.40000	-0.10000	3/4/19	2582
	41.35000	-0.10000	4/2/19	2582
	35.05000	-0.05000	5/2/19	2582
	34.95000	-0.05000	6/4/19	2582
	41.00000	0.30000	7/2/19	2582
	54.25000	-0.10000	8/2/19	2582
	50.05000	-0.10000	9/4/19	2582
	37.10000	-0.05000	10/2/19	2582
	35.80000	-0.05000	11/4/19	2582
	36.65000	-0.05000	12/3/19	2582
	40.65000	-0.10000	1/3/20	2582
	62.75000	-0.15000	2/4/20	2582
	58.75000	-0.10000	3/3/20	2582

	40.80000	-0.10000	4/2/20	2582
	34.70000	-0.05000	5/4/20	2582
	35.25000	-0.10000	6/2/20	2582
	41.45000	0.30000	7/2/20	2582
	54.60000	-0.10000	8/4/20	2582
	50.60000	-0.10000	9/2/20	2582
	37.70000	-0.05000	10/2/20	2582
	35.25000	-0.05000	11/3/20	2582
	36.15000	-0.05000	12/2/20	2582
	40.65000	-0.10000	1/5/21	2582
	31.86000	0.00000	10/4/16	2579
	30.05000	0.47000	11/2/16	2579
	30.20000	0.00000	12/2/16	2579
	36.20000	0.20000	1/4/17	2579
	54.25000	0.20000	2/2/17	2579
	50.05000	0.15000	3/2/17	2579
	36.35000	0.00000	4/4/17	2579
	30.80000	0.00000	5/2/17	2579
	27.90000	0.25000	6/2/17	2579
	25.45000	0.00000	7/5/17	2579
	30.05000	0.00000	8/2/17	2579
	28.10000	0.00000	9/5/17	2579
	26.20000	0.00000	10/3/17	2579
	26.90000	0.00000	11/2/17	2579
	27.05000	0.00000	12/4/17	2579
	31.45000	0.00000	1/3/18	2579

	53.70000	0.15000	2/2/18	2579
	50.15000	0.15000	3/2/18	2579
	34.45000	0.05000	4/3/18	2579
	30.10000	0.05000	5/2/18	2579
	25.70000	0.00000	6/4/18	2579
	25.15000	0.00000	7/3/18	2579
	28.45000	0.05000	8/2/18	2579
	28.20000	0.05000	9/5/18	2579
	23.40000	0.00000	10/2/18	2579
	24.90000	0.00000	11/2/18	2579
	25.60000	0.05000	12/4/18	2579
	29.35000	0.05000	1/3/19	2579
	48.50000	0.05000	2/4/19	2579
	45.60000	0.05000	3/4/19	2579
	31.25000	0.05000	4/2/19	2579
	26.70000	0.05000	5/2/19	2579
	24.30000	0.05000	6/4/19	2579
	24.80000	0.05000	7/2/19	2579
	28.85000	0.05000	8/2/19	2579
	28.75000	0.05000	9/4/19	2579
	24.65000	0.05000	10/2/19	2579
	24.95000	0.05000	11/4/19	2579
	25.90000	0.05000	12/3/19	2579
	26.60000	0.05000	1/3/20	2579
	48.60000	0.05000	2/4/20	2579
	44.65000	0.05000	3/3/20	2579

	32.60000	0.05000	4/2/20	2579
	27.20000	0.05000	5/4/20	2579
	24.50000	0.05000	6/2/20	2579
	25.05000	0.05000	7/2/20	2579
	28.65000	0.05000	8/4/20	2579
	28.05000	0.05000	9/2/20	2579
	23.65000	0.05000	10/2/20	2579
	25.40000	0.05000	11/3/20	2579
	25.50000	0.05000	12/2/20	2579
	28.25000	0.05000	1/5/21	2579
	42.25000	0.00000	10/6/16	4326
	51.00000	-0.95000	10/28/16	4326
	49.02000	0.05000	11/29/16	4326
	49.06000	-0.54000	12/29/16	4326
	50.15000	-0.54000	1/30/17	4326
	44.12000	-0.54000	2/27/17	4326
	35.01000	-0.27000	3/30/17	4326
	30.34000	-0.27000	4/27/17	4326
	28.42000	-0.27000	5/30/17	4326
	29.20000	-0.87000	6/29/17	4326
	27.52000	-0.87000	7/28/17	4326
	34.16000	-0.87000	8/30/17	4326
	38.25000	-0.38000	9/28/17	4326
	40.17000	-0.38000	10/30/17	4326
	37.99000	-0.38000	11/29/17	4326
	38.57000	-0.29000	12/28/17	4326

	39.13000	-0.29000	1/30/18	4326
	34.11000	-0.29000	2/27/18	4326
	32.03000	-0.29000	3/28/18	4326
	30.19000	-0.29000	4/27/18	4326
	30.36000	-0.29000	5/30/18	4326
	28.29000	-0.29000	6/28/18	4326
	25.21000	-0.29000	7/30/18	4326
	30.17000	-0.29000	8/30/18	4326
	36.00000	-0.29000	9/27/18	4326
	38.52000	-0.29000	10/30/18	4326
	37.85000	-0.29000	11/29/18	4326
	38.01000	-0.14000	12/28/18	4326
	38.87000	-0.14000	1/30/19	4326
	33.79000	-0.14000	2/27/19	4326
	31.66000	-0.14000	3/28/19	4326
	30.26000	-0.14000	4/29/19	4326
	30.72000	-0.14000	5/30/19	4326
	28.57000	-0.14000	6/27/19	4326
	25.32000	-0.14000	7/30/19	4326
	30.15000	-0.14000	8/29/19	4326
	35.76000	-0.14000	9/27/19	4326
	38.09000	-0.14000	10/30/19	4326
	37.13000	-0.14000	11/28/19	4326
	37.24000	-0.14000	12/30/19	4326
	38.15000	-0.14000	1/30/20	4326
	33.07000	-0.14000	2/27/20	4326

	30.79000	-0.14000	3/30/20	4326
	29.20000	-0.14000	4/29/20	4326
	29.73000	-0.14000	5/28/20	4326
	27.65000	-0.14000	6/29/20	4326
	25.49000	-0.14000	7/30/20	4326
	30.32000	-0.14000	8/28/20	4326
	5.21000	-0.10000	10/31/16	390
	5.21000	-0.10000	11/28/16	390
	5.21000	-0.10000	12/19/16	390
	5.22000	-0.10000	3/27/17	390
	5.22000	-0.10000	6/26/17	390
	5.23000	-0.10000	9/25/17	390
	5.24000	-0.10000	12/18/17	390
	5.26000	-0.10000	3/19/18	390
	5.26000	-0.10000	6/25/18	390
	5.27000	-0.09000	9/24/18	390
	5.28000	-0.09000	12/17/18	390
	5.29000	-0.09000	3/25/19	390
	5.30000	-0.09000	6/24/19	390
	5.32000	-0.09000	9/30/19	390
	5.34000	-0.09000	12/16/19	390
	5.35000	-0.09000	3/30/20	390
	5.37000	-0.09000	6/29/20	390
	5.39000	-0.09000	9/28/20	390
	5.41000	-0.09000	12/14/20	390
	12.85000	-0.02000	10/26/16	19115

	12.86000	-0.02000	11/25/16	19115
	12.87000	-0.02000	12/23/16	19115
	12.94000	-0.02000	3/28/17	19115
	13.02000	-0.02000	6/27/17	19115
	13.09000	-0.02000	9/26/17	19115
	13.16000	-0.02000	12/22/17	19115
	13.56000	-0.03000	12/24/18	19115
	14.06000	-0.02000	12/24/19	19115
	14.64000	-0.02000	12/24/20	19115
	12.80000	-0.02000	10/26/16	19116
	12.81000	-0.02000	11/25/16	19116
	12.82000	-0.02000	12/23/16	19116
	12.89000	-0.02000	3/28/17	19116
	12.97000	-0.02000	6/27/17	19116
	13.04000	-0.02000	9/26/17	19116
	13.11000	-0.02000	12/22/17	19116
	13.51000	-0.03000	12/24/18	19116
	14.01000	-0.02000	12/24/19	19116
	14.59000	-0.02000	12/24/20	19116
	12.77000	-0.02000	10/26/16	19117
	12.78000	-0.02000	11/25/16	19117
	12.79000	-0.02000	12/23/16	19117
	12.86000	-0.02000	3/28/17	19117
	12.94000	-0.02000	6/27/17	19117
	13.01000	-0.02000	9/26/17	19117
	13.08000	-0.02000	12/22/17	19117

	13.48000	-0.03000	12/24/18	19117
	13.98000	-0.02000	12/24/19	19117
	14.56000	-0.02000	12/24/20	19117
	37.37000	0.00000	10/5/16	18464
	36.23000	-0.29000	11/3/16	18464
	36.45000	0.05000	12/5/16	18464
	41.10000	-0.35000	1/5/17	18464
	41.15000	-0.35000	2/3/17	18464
	38.15000	-0.25000	3/3/17	18464
	34.65000	0.00000	4/5/17	18464
	32.10000	0.50000	5/3/17	18464
	32.70000	0.55000	6/5/17	18464
	33.15000	0.35000	7/6/17	18464
	36.60000	0.25000	8/3/17	18464
	38.30000	0.20000	9/6/17	18464
	37.45000	0.30000	10/4/17	18464
	37.05000	0.35000	11/3/17	18464
	37.80000	0.30000	12/5/17	18464
	39.25000	0.25000	1/4/18	18464
	38.85000	0.00000	2/5/18	18464
	38.80000	0.00000	3/5/18	18464
	37.60000	0.00000	4/4/18	18464
	27.85000	0.00000	5/3/18	18464
	26.80000	0.00000	6/5/18	18464
	28.70000	0.00000	7/5/18	18464
	36.40000	0.00000	8/3/18	18464

	37.70000	0.00000	9/6/18	18464
	37.60000	0.00000	10/3/18	18464
	38.00000	0.00000	11/5/18	18464
	38.65000	0.00000	12/5/18	18464
	38.80000	0.00000	1/4/19	18464
	38.25000	0.00000	2/5/19	18464
	38.05000	0.00000	3/5/19	18464
	36.60000	0.00000	4/3/19	18464
	27.50000	0.00000	5/3/19	18464
	26.90000	0.00000	6/5/19	18464
	26.65000	0.00000	7/3/19	18464
	37.80000	0.00000	8/5/19	18464
	39.65000	0.00000	9/5/19	18464
	40.00000	0.00000	10/3/19	18464
	38.60000	0.00000	11/5/19	18464
	39.10000	0.00000	12/4/19	18464
	39.45000	0.00000	1/6/20	18464
	38.35000	0.00000	2/5/20	18464
	38.30000	0.00000	3/4/20	18464
	36.85000	0.00000	4/3/20	18464
	27.70000	0.00000	5/5/20	18464
	27.05000	0.00000	6/3/20	18464
	26.85000	0.00000	7/6/20	18464
	38.05000	0.00000	8/5/20	18464
	39.95000	0.00000	9/3/20	18464
	40.35000	0.00000	10/5/20	18464

	38.85000	0.00000	11/4/20	18464
	39.40000	0.00000	12/3/20	18464
	39.75000	0.00000	1/6/21	18464
	31.27000	0.00000	10/5/16	18465
	30.28000	-0.33000	11/3/16	18465
	31.40000	0.20000	12/5/16	18465
	35.50000	-0.35000	1/5/17	18465
	36.00000	-0.30000	2/3/17	18465
	33.65000	-0.25000	3/3/17	18465
	28.40000	0.00000	4/5/17	18465
	24.85000	0.20000	5/3/17	18465
	25.85000	0.25000	6/5/17	18465
	27.55000	0.00000	7/6/17	18465
	30.00000	0.20000	8/3/17	18465
	31.85000	0.15000	9/6/17	18465
	30.90000	0.25000	10/4/17	18465
	31.30000	0.35000	11/3/17	18465
	31.55000	0.30000	12/5/17	18465
	33.75000	0.25000	1/4/18	18465
	32.85000	0.00000	2/5/18	18465
	32.45000	0.00000	3/5/18	18465
	30.70000	0.00000	4/4/18	18465
	24.65000	0.00000	5/3/18	18465
	24.00000	0.00000	6/5/18	18465
	25.70000	0.00000	7/5/18	18465
	28.00000	0.00000	8/3/18	18465

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	29.45000	0.00000	10/3/18	18465
	31.45000	0.00000	11/5/18	18465
	31.65000	0.00000	12/5/18	18465
	32.75000	0.00000	1/4/19	18465
	33.45000	0.00000	2/5/19	18465
	33.00000	0.00000	3/5/19	18465
	30.90000	0.00000	4/3/19	18465
	22.75000	0.00000	5/3/19	18465
	22.50000	0.00000	6/5/19	18465
	22.50000	0.00000	7/3/19	18465
	30.55000	0.00000	8/5/19	18465
	33.05000	0.00000	9/5/19	18465
	32.90000	0.00000	10/3/19	18465
	34.70000	0.00000	11/5/19	18465
	34.95000	0.00000	12/4/19	18465
	36.15000	0.00000	1/6/20	18465
	33.50000	0.00000	2/5/20	18465
	33.10000	0.00000	3/4/20	18465
	31.00000	0.00000	4/3/20	18465
	22.75000	0.00000	5/5/20	18465
	22.50000	0.00000	6/3/20	18465
	22.45000	0.00000	7/6/20	18465
	30.60000	0.00000	8/5/20	18465
	33.00000	0.00000	9/3/20	18465
	32.90000	0.00000	10/5/20	18465

	34.80000	0.00000	11/4/20	18465
	35.05000	0.00000	12/3/20	18465
	36.20000	0.00000	1/6/21	18465
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	13.18000	-0.02000	12/22/17	3418
	13.58000	-0.03000	12/24/18	3418
	14.08000	-0.02000	12/24/19	3418
	12.89000	-0.02000	12/23/16	3419
	13.18000	-0.02000	12/22/17	3419
	13.58000	-0.03000	12/24/18	3419
	14.08000	-0.02000	12/24/19	3419
	12.87000	-0.02000	10/26/16	3420
	12.88000	-0.02000	11/25/16	3420
	12.89000	-0.02000	12/23/16	3420
	12.91000	-0.02000	1/26/17	3420
	12.94000	-0.02000	2/23/17	3420
	12.96000	-0.02000	3/28/17	3420
	12.99000	-0.02000	4/25/17	3420
	13.01000	-0.02000	5/25/17	3420
	13.04000	-0.02000	6/27/17	3420
	13.06000	-0.02000	7/26/17	3420
	13.08000	-0.02000	8/28/17	3420
	13.11000	-0.02000	9/26/17	3420
	13.13000	-0.02000	10/26/17	3420
	13.16000	-0.02000	11/27/17	3420
	13.18000	-0.02000	12/22/17	3420

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	13.38000	-0.03000	6/26/18	3420
	13.48000	-0.03000	9/25/18	3420
	13.58000	-0.03000	12/24/18	3420
	14.08000	-0.02000	12/24/19	3420
	14.66000	-0.02000	12/24/20	3420
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	12.93000	-0.02000	2/23/17	4578
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	13.15000	-0.02000	11/27/17	4578
	13.17000	-0.02000	12/22/17	4578
	13.27000	-0.02000	3/26/18	4578
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	13.57000	-0.03000	12/24/18	4578
	14.07000	-0.02000	12/24/19	4578

	14.65000	-0.02000	12/24/20	4578
	12.85000	-0.02000	10/26/16	5743
	12.86000	-0.02000	11/25/16	5743
	12.87000	-0.02000	12/23/16	5743
	12.89000	-0.02000	1/26/17	5743
	12.92000	-0.02000	2/23/17	5743
	12.94000	-0.02000	3/28/17	5743
	12.97000	-0.02000	4/25/17	5743
	12.99000	-0.02000	5/25/17	5743
	13.02000	-0.02000	6/27/17	5743
	13.04000	-0.02000	7/26/17	5743
	13.06000	-0.02000	8/28/17	5743
	13.09000	-0.02000	9/26/17	5743
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	13.14000	-0.02000	11/27/17	5743
	13.16000	-0.02000	12/22/17	5743
	13.26000	-0.02000	3/26/18	5743
	13.36000	-0.03000	6/26/18	5743
	13.46000	-0.03000	9/25/18	5743
	13.56000	-0.03000	12/24/18	5743
	14.06000	-0.02000	12/24/19	5743
	14.64000	-0.02000	12/24/20	5743
	12.80000	-0.02000	10/26/16	5744
	12.81000	-0.02000	11/25/16	5744
	12.82000	-0.02000	12/23/16	5744
	12.84000	-0.02000	1/26/17	5744

	12.87000	-0.02000	2/23/17	5744
	12.89000	-0.02000	3/28/17	5744
	12.92000	-0.02000	4/25/17	5744
	12.94000	-0.02000	5/25/17	5744
	12.97000	-0.02000	6/27/17	5744
	12.99000	-0.02000	7/26/17	5744
	13.01000	-0.02000	8/28/17	5744
	13.04000	-0.02000	9/26/17	5744
	13.06000	-0.02000	10/26/17	5744
	13.09000	-0.02000	11/27/17	5744
	13.11000	-0.02000	12/22/17	5744
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	13.41000	-0.03000	9/25/18	5744
	13.51000	-0.03000	12/24/18	5744
	14.01000	-0.02000	12/24/19	5744
	14.59000	-0.02000	12/24/20	5744
	14.92000	-0.02000	7/27/21	5744
	12.77000	-0.02000	10/26/16	18393
	12.78000	-0.02000	11/25/16	18393
	12.79000	-0.02000	12/23/16	18393
	12.86000	-0.02000	3/28/17	18393
	12.94000	-0.02000	6/27/17	18393
	13.01000	-0.02000	9/26/17	18393
	13.08000	-0.02000	12/22/17	18393
	13.18000	-0.02000	3/26/18	18393

	13.28000	-0.03000	6/26/18	18393
	13.38000	-0.03000	9/25/18	18393
	13.48000	-0.03000	12/24/18	18393
	13.61000	-0.02000	3/26/19	18393
	13.73000	-0.03000	6/25/19	18393
	13.86000	-0.02000	9/25/19	18393
	13.98000	-0.02000	12/24/19	18393
	12.77000	-0.02000	10/26/16	18395
	12.78000	-0.02000	11/25/16	18395
	12.79000	-0.02000	12/23/16	18395
	12.86000	-0.02000	3/28/17	18395
	12.94000	-0.02000	6/27/17	18395
	13.01000	-0.02000	9/26/17	18395
	13.08000	-0.02000	12/22/17	18395
	13.18000	-0.02000	3/26/18	18395
	13.28000	-0.03000	6/26/18	18395
	13.38000	-0.03000	9/25/18	18395
	13.48000	-0.03000	12/24/18	18395
	13.61000	-0.02000	3/26/19	18395
	13.73000	-0.03000	6/25/19	18395
	13.86000	-0.02000	9/25/19	18395
	13.98000	-0.02000	12/24/19	18395
	28.25000	0.00000	4/25/17	15840
	28.25000	0.00000	5/25/17	15840
	32.75000	0.25000	4/25/18	15841
	32.75000	0.25000	5/25/18	15841

	37.25000	0.00000	7/26/18	15959
	37.25000	0.00000	8/28/18	15959
	37.25000	0.00000	4/25/19	15959
	37.25000	0.00000	5/28/19	15959
	37.50000	0.00000	4/27/20	19259
	37.50000	0.00000	5/26/20	19259
	39.91000	0.00000	10/4/16	19253
	34.87000	0.00000	10/5/16	19253
	33.23000	0.00000	10/6/16	19253
	30.17000	0.00000	10/6/16	19253
	27.20000	0.00000	10/6/16	19253
	31.62000	0.00000	10/7/16	19253
	32.17000	0.02000	10/10/16	19253
	32.61000	-2.79000	10/11/16	19253
	34.87000	-0.53000	10/12/16	19253
	34.87000	-0.53000	10/13/16	19253
	34.87000	-0.53000	10/13/16	19253
	28.76000	-0.64000	10/13/16	19253
	34.87000	-0.53000	10/14/16	19253
	34.87000	-0.53000	10/17/16	19253
	34.87000	-0.53000	10/18/16	19253
	34.87000	-0.53000	10/19/16	19253
	34.87000	-0.53000	10/20/16	19253
	34.87000	-0.53000	10/20/16	19253
	28.76000	-0.64000	10/20/16	19253
	34.87000	-0.53000	10/21/16	19253

	34.87000	-0.53000	10/24/16	19253
	34.87000	-0.53000	10/25/16	19253
	34.87000	-0.53000	10/26/16	19253
	34.87000	-0.53000	10/27/16	19253
	34.87000	-0.53000	10/27/16	19253
	28.76000	-0.64000	10/27/16	19253
	34.87000	-0.53000	10/28/16	19253
	34.87000	-0.53000	10/31/16	19253
	34.87000	-0.53000	11/1/16	19253
	34.87000	-0.53000	11/2/16	19253
	34.87000	-0.53000	11/3/16	19253
	34.87000	-0.53000	11/3/16	19253
	28.76000	-0.64000	11/3/16	19253
	34.87000	-0.53000	11/4/16	19253
	34.56000	-0.24000	11/7/16	19253
	34.56000	-0.24000	11/8/16	19253
	34.56000	-0.24000	11/9/16	19253
	34.56000	-0.24000	11/10/16	19253
	34.56000	-0.24000	11/10/16	19253
	29.51000	-0.09000	11/10/16	19253
	34.56000	-0.24000	11/11/16	19253
	34.56000	-0.24000	11/14/16	19253
	34.56000	-0.24000	11/15/16	19253
	34.56000	-0.24000	11/16/16	19253
	34.56000	-0.24000	11/17/16	19253
	34.56000	-0.24000	11/17/16	19253

	29.51000	-0.09000	11/17/16	19253
	34.56000	-0.24000	11/18/16	19253
	34.56000	-0.24000	11/21/16	19253
	34.56000	-0.24000	11/22/16	19253
	34.56000	-0.24000	11/23/16	19253
	34.56000	-0.24000	11/28/16	19253
	34.56000	-0.24000	11/28/16	19253
	29.51000	-0.09000	11/28/16	19253
	34.56000	-0.24000	11/29/16	19253
	34.56000	-0.24000	11/30/16	19253
	34.56000	-0.24000	12/1/16	19253
	29.51000	-0.09000	12/1/16	19253
	34.56000	-0.24000	12/1/16	19253
	34.56000	-0.24000	12/1/16	19253
	29.51000	-0.09000	12/1/16	19253
	34.56000	-0.24000	12/2/16	19253
	34.56000	-0.24000	12/5/16	19253
	34.56000	-0.24000	12/6/16	19253
	39.21000	-0.64000	12/7/16	19253
	39.21000	-0.64000	12/8/16	19253
	39.21000	-0.64000	12/8/16	19253
	33.61000	-0.64000	12/8/16	19253
	39.21000	-0.64000	12/9/16	19253
	39.21000	-0.64000	12/12/16	19253
	39.21000	-0.64000	12/13/16	19253
	39.21000	-0.64000	12/14/16	19253

	39.21000	-0.64000	12/15/16	19253
	39.21000	-0.64000	12/15/16	19253
	33.61000		12/15/16	19253
	22.50000	0.00000	10/4/16	2855
	21.85000	0.32000	11/2/16	2855
	21.80000	0.25000	12/2/16	2855
	25.05000	0.20000	1/4/17	2855
	35.35000	0.10000	2/2/17	2855
	30.65000	0.10000	3/2/17	2855
	26.55000	0.00000	4/4/17	2855
	21.70000	0.00000	5/2/17	2855
	19.25000	0.25000	6/2/17	2855
	20.40000	0.00000	7/5/17	2855
	21.40000	0.00000	8/2/17	2855
	20.40000	0.00000	9/5/17	2855
	20.00000	0.00000	10/3/17	2855
	19.15000	0.00000	11/2/17	2855
	19.60000	0.00000	12/4/17	2855
	23.55000	0.00000	1/3/18	2855
	33.30000	0.15000	2/2/18	2855
	30.55000	0.15000	3/2/18	2855
	25.75000	0.05000	4/3/18	2855
	22.40000	0.05000	5/2/18	2855
	18.60000	0.00000	6/4/18	2855
	19.40000	0.00000	7/3/18	2855
	22.10000	0.05000	8/2/18	2855

	22.00000	0.05000	9/5/18	2855
	18.30000	0.00000	10/2/18	2855
	19.10000	0.05000	11/2/18	2855
	19.90000	0.05000	12/4/18	2855
	22.50000	0.05000	1/3/19	2855
	35.90000	0.05000	2/4/19	2855
	33.70000	0.05000	3/4/19	2855
	26.05000	0.05000	4/2/19	2855
	21.85000	0.05000	5/2/19	2855
	20.20000	0.05000	6/4/19	2855
	20.55000	0.05000	7/2/19	2855
	23.20000	0.05000	8/2/19	2855
	22.10000	0.05000	9/4/19	2855
	20.90000	0.05000	10/2/19	2855
	19.15000	0.05000	11/4/19	2855
	20.40000	0.05000	12/3/19	2855
	22.00000	0.05000	1/3/20	2855
	35.30000	0.05000	2/4/20	2855
	32.85000	0.05000	3/3/20	2855
	27.70000	0.05000	4/2/20	2855
	21.50000	0.05000	5/4/20	2855
	19.95000	0.05000	6/2/20	2855
	21.65000	0.05000	7/2/20	2855
	23.45000	0.05000	8/4/20	2855
	22.10000	0.05000	9/2/20	2855
	19.85000	0.05000	10/2/20	2855

	20.75000	0.05000	11/3/20	2855
	20.75000	0.05000	12/2/20	2855
	25.10000	0.05000	1/5/21	2855
	37.11000	0.00000	10/4/16	2852
	32.78000	0.74000	11/2/16	2852
	32.45000	1.15000	12/2/16	2852
	35.20000	0.60000	1/4/17	2852
	42.40000	0.25000	2/2/17	2852
	43.05000	0.30000	3/2/17	2852
	36.00000	0.45000	4/4/17	2852
	32.35000	0.10000	5/2/17	2852
	33.20000	0.15000	6/2/17	2852
	34.25000	0.10000	7/5/17	2852
	40.35000	0.05000	8/2/17	2852
	39.65000	0.05000	9/5/17	2852
	33.00000	0.15000	10/3/17	2852
	30.20000	0.15000	11/2/17	2852
	30.60000	0.30000	12/4/17	2852
	33.80000	0.20000	1/3/18	2852
	44.30000	0.30000	2/2/18	2852
	41.70000	0.30000	3/2/18	2852
	33.55000	0.10000	4/3/18	2852
	31.10000	0.10000	5/2/18	2852
	32.25000	0.00000	6/4/18	2852
	33.05000	0.00000	7/3/18	2852
	41.25000	0.00000	8/2/18	2852

	35.85000	0.00000	9/5/18	2852
	30.55000	0.15000	10/2/18	2852
	30.05000	0.00000	11/2/18	2852
	29.15000	0.00000	12/4/18	2852
	31.50000	0.00000	1/3/19	2852
	45.05000	-0.15000	2/4/19	2852
	42.20000	-0.10000	3/4/19	2852
	33.00000	-0.10000	4/2/19	2852
	30.50000	-0.05000	5/2/19	2852
	29.80000	-0.05000	6/4/19	2852
	32.05000	0.30000	7/2/19	2852
	41.40000	-0.10000	8/2/19	2852
	36.35000	-0.10000	9/4/19	2852
	30.25000	-0.05000	10/2/19	2852
	29.15000	-0.05000	11/4/19	2852
	29.40000	-0.05000	12/3/19	2852
	30.35000	-0.10000	1/3/20	2852
	44.00000	-0.15000	2/4/20	2852
	40.65000	-0.10000	3/3/20	2852
	33.10000	-0.10000	4/2/20	2852
	30.00000	-0.05000	5/4/20	2852
	30.15000	-0.10000	6/2/20	2852
	33.90000	0.30000	7/2/20	2852
	41.30000	-0.10000	8/4/20	2852
	37.60000	-0.10000	9/2/20	2852
	29.35000	-0.05000	10/2/20	2852

	29.60000	-0.05000	11/3/20	2852
	29.85000	-0.05000	12/2/20	2852
	30.25000	-0.10000	1/5/21	2852
	0.38000	0.00000	10/31/16	1230
	0.38000	0.00000	11/28/16	1230
	0.39000	0.00000	12/19/16	1230
	0.39000	0.00000	3/27/17	1230
	0.38000	0.00000	6/26/17	1230
	0.37000	0.00000	9/25/17	1230
	0.37000	0.00000	12/18/17	1230
	0.38000	0.00000	3/19/18	1230
	0.39000	0.00000	6/25/18	1230
	0.39000	0.00000	9/24/18	1230
	0.39000	0.00000	12/17/18	1230
	0.39000	0.00000	3/25/19	1230
	0.39000	0.00000	6/24/19	1230
	0.39000	0.00000	9/30/19	1230
	0.39000	0.00000	12/16/19	1230
	0.39000	0.00000	3/30/20	1230
	0.39000	0.00000	6/29/20	1230
	0.39000	0.00000	9/28/20	1230
	0.39000	0.00000	12/14/20	1230
	0.38000	0.00000	10/4/16	1657
	0.38000	0.00000	10/5/16	1657
	0.38000	0.00000	10/6/16	1657
	0.38000	0.00000	10/7/16	1657

	0.38000	0.00000	10/10/16	1657
	0.38000		10/10/16	1657
	5.16000	-0.10000	10/31/16	3840
	5.16000	-0.10000	11/28/16	3840
	5.16000	-0.10000	12/19/16	3840
	5.17000	-0.10000	3/27/17	3840
	5.17000	-0.10000	6/26/17	3840
	5.18000	-0.10000	9/25/17	3840
	5.19000	-0.10000	12/18/17	3840
	5.21000	-0.10000	3/19/18	3840
	5.21000	-0.10000	6/25/18	3840
	5.22000	-0.09000	9/24/18	3840
	5.23000	-0.09000	12/17/18	3840
	5.24000	-0.09000	3/25/19	3840
	5.25000	-0.09000	6/24/19	3840
	5.27000	-0.09000	9/30/19	3840
	5.29000	-0.09000	12/16/19	3840
	5.30000	-0.09000	3/30/20	3840
	5.32000	-0.09000	6/29/20	3840
	5.34000	-0.09000	9/28/20	3840
	5.36000	-0.09000	12/14/20	3840
	3.10000	0.00000	12/23/16	3403
	39.55000	0.00000	10/7/16	375
	34.65000	0.07000	11/7/16	375
	35.30000	0.35000	12/7/16	375
	36.60000	0.50000	1/9/17	375

	43.50000	0.25000	2/7/17	375
	42.10000	0.35000	3/7/17	375
	38.10000	0.45000	4/7/17	375
	35.60000	0.10000	5/5/17	375
	35.30000	0.15000	6/7/17	375
	34.90000	0.10000	7/10/17	375
	42.30000	0.00000	8/7/17	375
	37.95000	0.00000	9/8/17	375
	33.30000	0.15000	10/6/17	375
	32.50000	0.15000	11/7/17	375
	32.80000	0.30000	12/7/17	375
	35.15000	0.15000	1/8/18	375
	45.50000	0.30000	2/7/18	375
	42.20000	0.30000	3/7/18	375
	36.50000	0.10000	4/6/18	375
	32.70000	0.10000	5/7/18	375
	34.10000	0.00000	6/7/18	375
	34.35000	0.00000	7/9/18	375
	42.50000	0.00000	8/7/18	375
	38.35000	0.00000	9/10/18	375
	32.70000	0.15000	10/5/18	375
	32.00000	0.00000	11/7/18	375
	32.20000	0.00000	12/7/18	375
	33.40000	0.00000	1/8/19	375
	45.40000	-0.15000	2/7/19	375
	42.10000	-0.10000	3/7/19	375

	34.95000	-0.10000	4/5/19	375
	31.70000	-0.05000	5/7/19	375
	32.75000	-0.05000	6/7/19	375
	33.65000	0.30000	7/8/19	375
	41.00000	-0.10000	8/7/19	375
	37.10000	-0.10000	9/9/19	375
	31.95000	-0.05000	10/7/19	375
	31.40000	-0.05000	11/7/19	375
	31.55000	-0.05000	12/6/19	375
	33.05000	-0.10000	1/8/20	375
	45.65000	-0.15000	2/7/20	375
	40.90000	-0.10000	3/6/20	375
	34.05000	-0.10000	4/7/20	375
	31.30000	-0.05000	5/7/20	375
	32.85000	-0.10000	6/5/20	375
	33.35000	0.30000	7/7/20	375
	41.20000	-0.10000	8/7/20	375
	35.85000	-0.10000	9/8/20	375
	31.65000	-0.05000	10/7/20	375
	30.65000	-0.05000	11/6/20	375
	29.90000	-0.05000	12/7/20	375
	33.90000	-0.10000	1/8/21	375
	46.45000	-0.10000	2/5/21	375
	42.10000	-0.10000	3/5/21	375
	34.20000	-0.05000	4/8/21	375
	32.00000	-0.05000	5/7/21	375

	33.75000	-0.05000	6/7/21	375
	33.95000	-0.05000	7/8/21	375
	42.90000	-0.05000	8/6/21	375
	37.20000	-0.05000	9/8/21	375
	32.75000	-0.05000	10/7/21	375
	31.40000	-0.05000	11/5/21	375
	32.20000	-0.05000	12/7/21	375
	33.75000	-0.05000	1/7/22	375
	46.85000	-0.10000	2/7/22	375
	43.05000	-0.10000	3/7/22	375
	34.45000	-0.05000	4/7/22	375
	32.10000	-0.05000	5/6/22	375
	34.30000	-0.05000	6/7/22	375
	35.00000	-0.05000	7/8/22	375
	43.35000	-0.05000	8/5/22	375
	37.65000	-0.05000	9/8/22	375
	33.40000	-0.05000	10/7/22	375
	32.50000	-0.05000	11/7/22	375
	33.10000	-0.05000	12/7/22	375
	34.20000	-0.05000	1/9/23	375
	47.95000	-0.10000	2/7/23	375
	44.20000	-0.10000	3/7/23	375
	35.55000	-0.05000	4/7/23	375
	33.25000	-0.05000	5/5/23	375
	34.55000	-0.05000	6/7/23	375
	35.70000	-0.05000	7/10/23	375

	45.50000	-0.05000	8/7/23	375
	39.60000	-0.05000	9/8/23	375
	31.55000	-0.05000	10/6/23	375
	32.40000	-0.05000	11/7/23	375
	34.10000	-0.05000	12/7/23	375
	37.55000	-0.05000	1/8/24	375
	48.85000	-0.10000	2/7/24	375
	45.40000	-0.10000	3/7/24	375
	39.50000	-0.05000	4/5/24	375
	35.40000	-0.05000	5/7/24	375
	36.70000	-0.05000	6/7/24	375
	36.85000	-0.05000	7/8/24	375
	45.40000	-0.05000	8/7/24	375
	40.95000	-0.05000	9/9/24	375
	35.50000	-0.05000	10/7/24	375
	34.70000	-0.05000	11/7/24	375
	34.80000	-0.05000	12/6/24	375
	35.80000	-0.05000	1/8/25	375
	86.42000	0.00000	10/4/16	15968
	40.16000	0.00000	10/5/16	15968
	47.32000	0.00000	10/6/16	15968
	37.33000	0.00000	10/7/16	15968
	51.66000	0.00000	10/10/16	15968
	37.52000	0.00000	10/10/16	15968
	27.08000	0.00000	10/10/16	15968
	39.79000	-9.36000	10/11/16	15968

	49.15000	0.15000	10/12/16	15968
	46.55000	9.55000	10/13/16	15968
	36.75000	-0.25000	10/14/16	15968
	36.75000	-0.25000	10/17/16	15968
	36.75000	-0.25000	10/17/16	15968
	31.00000	0.00000	10/17/16	15968
	36.75000	-0.25000	10/18/16	15968
	36.75000	-0.25000	10/19/16	15968
	36.75000	-0.25000	10/20/16	15968
	36.75000	-0.25000	10/21/16	15968
	36.75000	-0.25000	10/24/16	15968
	36.75000	-0.25000	10/24/16	15968
	31.00000	0.00000	10/24/16	15968
	36.75000	-0.25000	10/25/16	15968
	36.75000	-0.25000	10/26/16	15968
	36.75000	-0.25000	10/27/16	15968
	36.75000	-0.25000	10/28/16	15968
	36.75000	-0.25000	10/31/16	15968
	36.75000	-0.25000	10/31/16	15968
	31.00000	0.00000	10/31/16	15968
	36.75000	-0.25000	11/1/16	15968
	36.75000	-0.25000	11/2/16	15968
	36.75000	-0.25000	11/3/16	15968
	36.75000	-0.25000	11/4/16	15968
	36.75000	-0.25000	11/7/16	15968
	36.75000	-0.25000	11/7/16	15968

	31.00000	0.00000	11/7/16	15968
	36.75000	-0.25000	11/8/16	15968
	36.45000	0.05000	11/9/16	15968
	36.45000	0.05000	11/10/16	15968
	36.45000	0.05000	11/11/16	15968
	36.45000	0.05000	11/14/16	15968
	36.45000	0.05000	11/14/16	15968
	31.40000	0.20000	11/14/16	15968
	36.45000	0.05000	11/15/16	15968
	36.45000	0.05000	11/16/16	15968
	36.45000	0.05000	11/17/16	15968
	36.45000	0.05000	11/18/16	15968
	36.45000	0.05000	11/21/16	15968
	36.45000	0.05000	11/21/16	15968
	31.40000	0.20000	11/21/16	15968
	36.45000	0.05000	11/22/16	15968
	36.45000	0.05000	11/23/16	15968
	36.45000	0.05000	11/28/16	15968
	36.45000	0.05000	11/29/16	15968
	36.45000	0.05000	11/30/16	15968
	36.45000	0.05000	11/30/16	15968
	31.40000	0.20000	11/30/16	15968
	36.45000	0.05000	12/1/16	15968
	36.45000	0.05000	12/2/16	15968
	36.45000	0.05000	12/5/16	15968
	31.40000	0.20000	12/5/16	15968

	36.45000	0.05000	12/5/16	15968
	36.45000	0.05000	12/5/16	15968
	31.40000	0.20000	12/5/16	15968
	36.45000	0.05000	12/6/16	15968
	36.45000	0.05000	12/7/16	15968
	36.45000	0.05000	12/8/16	15968
	41.10000	-0.35000	12/9/16	15968
	41.10000	-0.35000	12/12/16	15968
	41.10000	-0.35000	12/12/16	15968
	35.50000	-0.35000	12/12/16	15968
	41.10000	-0.35000	12/13/16	15968
	41.10000	-0.35000	12/14/16	15968
	41.10000		12/15/16	15968
	41.10000		12/16/16	15968
	41.10000		12/19/16	15968
	32.26000	0.00000	10/4/16	15969
	32.91000	0.00000	10/5/16	15969
	32.30000	0.00000	10/6/16	15969
	28.66000	0.00000	10/7/16	15969
	28.02000	0.00000	10/10/16	15969
	34.60000	0.00000	10/10/16	15969
	32.61000	0.00000	10/10/16	15969
	30.10000	-0.90000	10/11/16	15969
	29.00000	0.00000	10/12/16	15969
	29.50000	-1.50000	10/13/16	15969
	31.00000	0.00000	10/14/16	15969

	31.00000	0.00000	10/17/16	15969
	31.00000	0.00000	10/17/16	15969
	31.00000	0.00000	10/17/16	15969
	31.00000	0.00000	10/18/16	15969
	31.00000	0.00000	10/19/16	15969
	31.00000	0.00000	10/20/16	15969
	31.00000	0.00000	10/21/16	15969
	31.00000	0.00000	10/24/16	15969
	31.00000	0.00000	10/24/16	15969
	31.00000	0.00000	10/24/16	15969
	31.00000	0.00000	10/25/16	15969
	31.00000	0.00000	10/26/16	15969
	31.00000	0.00000	10/27/16	15969
	31.00000	0.00000	10/28/16	15969
	31.00000	0.00000	10/31/16	15969
	31.00000	0.00000	10/31/16	15969
	31.00000	0.00000	10/31/16	15969
	31.00000	0.00000	11/1/16	15969
	31.00000	0.00000	11/2/16	15969
	31.00000	0.00000	11/3/16	15969
	31.00000	0.00000	11/4/16	15969
	31.00000	0.00000	11/7/16	15969
	31.00000	0.00000	11/7/16	15969
	31.00000	0.00000	11/7/16	15969
	31.00000	0.00000	11/8/16	15969
	31.40000	0.20000	11/9/16	15969

	31.40000	0.20000	11/10/16	15969
	31.40000	0.20000	11/11/16	15969
	31.40000	0.20000	11/14/16	15969
	31.40000	0.20000	11/14/16	15969
	31.40000	0.20000	11/14/16	15969
	31.40000	0.20000	11/15/16	15969
	31.40000	0.20000	11/16/16	15969
	31.40000	0.20000	11/17/16	15969
	31.40000	0.20000	11/18/16	15969
	31.40000	0.20000	11/21/16	15969
	31.40000	0.20000	11/21/16	15969
	31.40000	0.20000	11/21/16	15969
	31.40000	0.20000	11/22/16	15969
	31.40000	0.20000	11/23/16	15969
	31.40000	0.20000	11/28/16	15969
	31.40000	0.20000	11/29/16	15969
	31.40000	0.20000	11/30/16	15969
	31.40000	0.20000	11/30/16	15969
	31.40000	0.20000	11/30/16	15969
	31.40000	0.20000	12/1/16	15969
	31.40000	0.20000	12/2/16	15969
	31.40000	0.20000	12/5/16	15969
	31.40000	0.20000	12/5/16	15969
	31.40000	0.20000	12/5/16	15969
	31.40000	0.20000	12/5/16	15969
	31.40000	0.20000	12/5/16	15969

	31.40000	0.20000	12/6/16	15969
	31.40000	0.20000	12/7/16	15969
	31.40000	0.20000	12/8/16	15969
	35.50000	-0.35000	12/9/16	15969
	35.50000	-0.35000	12/12/16	15969
	35.50000	-0.35000	12/12/16	15969
	35.50000	-0.35000	12/12/16	15969
	35.50000	-0.35000	12/13/16	15969
	35.50000	-0.35000	12/14/16	15969
	35.50000		12/15/16	15969
	35.50000		12/16/16	15969
	35.50000		12/19/16	15969
	35.43000	0.00000	10/4/16	1901
	30.39000	0.00000	10/5/16	1901
	31.86000	0.00000	10/6/16	1901
	30.82000	0.00000	10/6/16	1901
	27.08000	0.00000	10/6/16	1901
	31.14000	0.00000	10/7/16	1901
	29.97000	-5.68000	10/10/16	1901
	34.40000	7.00000	10/11/16	1901
	26.75000	-0.65000	10/12/16	1901
	26.75000	-0.65000	10/13/16	1901
	26.75000	-0.65000	10/13/16	1901
	22.55000	-0.25000	10/13/16	1901
	26.75000	-0.65000	10/14/16	1901
	26.75000	-0.65000	10/17/16	1901

	26.75000	-0.65000	10/18/16	1901
	26.75000	-0.65000	10/19/16	1901
	26.75000	-0.65000	10/20/16	1901
	26.75000	-0.65000	10/20/16	1901
	22.55000	-0.25000	10/20/16	1901
	26.75000	-0.65000	10/21/16	1901
	26.75000	-0.65000	10/24/16	1901
	26.75000	-0.65000	10/25/16	1901
	26.75000	-0.65000	10/26/16	1901
	26.75000	-0.65000	10/27/16	1901
	26.75000	-0.65000	10/27/16	1901
	22.55000	-0.25000	10/27/16	1901
	26.75000	-0.65000	10/28/16	1901
	26.75000	-0.65000	10/31/16	1901
	26.75000	-0.65000	11/1/16	1901
	26.75000	-0.65000	11/2/16	1901
	26.75000	-0.65000	11/3/16	1901
	26.75000	-0.65000	11/3/16	1901
	22.55000	-0.25000	11/3/16	1901
	26.75000	-0.65000	11/4/16	1901
	27.15000	0.20000	11/7/16	1901
	27.15000	0.20000	11/8/16	1901
	27.15000	0.20000	11/9/16	1901
	27.15000	0.20000	11/10/16	1901
	27.15000	0.20000	11/10/16	1901
	23.85000	0.20000	11/10/16	1901

	27.15000	0.20000	11/11/16	1901
	27.15000	0.20000	11/14/16	1901
	27.15000	0.20000	11/15/16	1901
	27.15000	0.20000	11/16/16	1901
	27.15000	0.20000	11/17/16	1901
	27.15000	0.20000	11/17/16	1901
	23.85000	0.20000	11/17/16	1901
	27.15000	0.20000	11/18/16	1901
	27.15000	0.20000	11/21/16	1901
	27.15000	0.20000	11/22/16	1901
	27.15000	0.20000	11/23/16	1901
	27.15000	0.20000	11/28/16	1901
	27.15000	0.20000	11/28/16	1901
	23.85000	0.20000	11/28/16	1901
	27.15000	0.20000	11/29/16	1901
	27.15000	0.20000	11/30/16	1901
	27.15000	0.20000	12/1/16	1901
	23.85000	0.20000	12/1/16	1901
	27.15000	0.20000	12/1/16	1901
	27.15000	0.20000	12/1/16	1901
	23.85000	0.20000	12/1/16	1901
	27.15000	0.20000	12/2/16	1901
	27.15000	0.20000	12/5/16	1901
	27.15000	0.20000	12/6/16	1901
	32.65000	-0.05000	12/7/16	1901
	32.65000	-0.05000	12/8/16	1901

	32.65000	-0.05000	12/8/16	1901
	27.30000	-0.35000	12/8/16	1901
	32.65000	-0.05000	12/9/16	1901
	32.65000	-0.05000	12/12/16	1901
	32.65000	-0.05000	12/13/16	1901
	32.65000	-0.05000	12/14/16	1901
	32.65000	-0.05000	12/15/16	1901
	32.65000	-0.05000	12/15/16	1901
	27.30000		12/15/16	1901
	25.93000	0.00000	10/7/16	376
	24.49000	0.31000	11/7/16	376
	24.50000	0.10000	12/7/16	376
	26.85000	0.20000	1/9/17	376
	34.80000	0.20000	2/7/17	376
	30.40000	0.15000	3/7/17	376
	29.00000	0.00000	4/7/17	376
	22.60000	0.00000	5/5/17	376
	22.80000	0.25000	6/7/17	376
	22.15000	0.00000	7/10/17	376
	24.75000	0.00000	8/7/17	376
	22.25000	0.00000	9/8/17	376
	22.65000	0.00000	10/6/17	376
	23.40000	0.00000	11/7/17	376
	22.95000	0.00000	12/7/17	376
	27.40000	0.00000	1/8/18	376
	35.20000	0.15000	2/7/18	376

	32.15000	0.15000	3/7/18	376
	26.65000	0.05000	4/6/18	376
	24.35000	0.05000	5/7/18	376
	21.05000	0.00000	6/7/18	376
	21.60000	0.00000	7/9/18	376
	23.60000	0.05000	8/7/18	376
	23.05000	0.05000	9/10/18	376
	20.70000	0.00000	10/5/18	376
	22.10000	0.00000	11/7/18	376
	23.05000	0.05000	12/7/18	376
	24.20000	0.05000	1/8/19	376
	34.95000	0.05000	2/7/19	376
	32.50000	0.05000	3/7/19	376
	26.60000	0.05000	4/5/19	376
	23.00000	0.05000	5/7/19	376
	22.60000	0.05000	6/7/19	376
	23.20000	0.05000	7/8/19	376
	25.60000	0.05000	8/7/19	376
	23.80000	0.05000	9/9/19	376
	22.95000	0.05000	10/7/19	376
	22.80000	0.05000	11/7/19	376
	24.15000	0.05000	12/6/19	376
	24.00000	0.05000	1/8/20	376
	34.40000	0.05000	2/7/20	376
	32.85000	0.05000	3/6/20	376
	27.00000	0.05000	4/7/20	376

	22.60000	0.05000	5/7/20	376
	23.20000	0.05000	6/5/20	376
	23.10000	0.05000	7/7/20	376
	25.70000	0.05000	8/7/20	376
	24.90000	0.05000	9/8/20	376
	22.95000	0.05000	10/7/20	376
	23.30000	0.05000	11/6/20	376
	23.85000	0.05000	12/7/20	376
	25.95000	0.05000	1/8/21	376
	35.45000	0.05000	2/5/21	376
	31.90000	0.05000	3/5/21	376
	27.60000	0.05000	4/8/21	376
	21.95000	0.05000	5/7/21	376
	23.45000	0.05000	6/7/21	376
	22.85000	0.05000	7/8/21	376
	24.85000	0.05000	8/6/21	376
	24.30000	0.05000	9/8/21	376
	23.50000	0.05000	10/7/21	376
	22.45000	0.05000	11/5/21	376
	22.55000	0.05000	12/7/21	376
	25.85000	0.05000	1/7/22	376
	35.85000	0.05000	2/7/22	376
	32.40000	0.05000	3/7/22	376
	28.25000	0.05000	4/7/22	376
	23.95000	0.05000	5/6/22	376
	23.10000	0.05000	6/7/22	376

	24.45000	0.05000	7/8/22	376
	26.65000	0.05000	8/5/22	376
	25.45000	0.05000	9/8/22	376
	24.30000	0.05000	10/7/22	376
	23.40000	0.05000	11/7/22	376
	23.45000	0.05000	12/7/22	376
	26.10000	0.05000	1/9/23	376
	36.45000	0.05000	2/7/23	376
	33.15000	0.05000	3/7/23	376
	28.40000	0.05000	4/10/23	376
	25.05000	0.05000	5/5/23	376
	24.00000	0.05000	6/7/23	376
	24.50000	0.05000	7/10/23	376
	24.40000	0.05000	8/7/23	376
	23.60000	0.05000	9/8/23	376
	25.25000	0.05000	10/6/23	376
	24.25000	0.05000	11/7/23	376
	24.55000	0.05000	12/7/23	376
	26.50000	0.05000	1/5/24	376
	40.60000	0.05000	2/7/24	376
	36.75000	0.05000	3/7/24	376
	29.30000	0.05000	4/5/24	376
	27.00000	0.05000	5/7/24	376
	23.50000	0.05000	6/7/24	376
	25.60000	0.05000	7/5/24	376
	26.50000	0.05000	8/7/24	376

	25.90000	0.05000	9/6/24	376
	24.75000	0.05000	10/7/24	376
	24.80000	0.05000	11/7/24	376
	25.25000	0.05000	12/6/24	376
	28.00000	0.05000	1/7/25	376
	40.75000	0.00000	4/27/21	19260
	40.75000	0.00000	5/25/21	19260
	37.00000	0.00000	4/26/22	19261
	37.00000	0.00000	5/25/22	19261
	32.00000	0.00000	4/25/23	19262
	32.00000	0.00000	5/25/23	19262
	29.00000	0.00000	4/25/24	19263
	29.00000	0.00000	5/28/24	19263
	80.20000	2.05000	10/28/16	4348
	78.95000	1.55000	11/25/16	4348
	77.30000	1.10000	12/30/16	4348
	77.35000	2.10000	1/27/17	4348
	74.90000	0.65000	2/24/17	4348
	72.45000	-0.80000	3/31/17	4348
	69.25000	0.40000	4/28/17	4348
	69.25000	0.40000	5/26/17	4348
	69.25000	0.40000	6/30/17	4348
	65.90000	0.20000	7/28/17	4348
	65.90000	0.20000	8/25/17	4348
	65.90000	0.20000	9/29/17	4348
	63.95000	-0.35000	10/27/17	4348

	63.95000	-0.35000	11/24/17	4348
	63.95000	-0.35000	12/29/17	4348
	65.50000	-0.50000	1/26/18	4348
	65.50000	-0.50000	2/23/18	4348
	65.50000	-0.50000	3/29/18	4348
	65.40000	-0.50000	4/27/18	4348
	65.40000	-0.50000	5/25/18	4348
	65.40000	-0.50000	6/29/18	4348
	65.45000	-0.50000	7/27/18	4348
	65.45000	-0.50000	8/31/18	4348
	65.45000	-0.50000	9/28/18	4348
	65.45000	-0.50000	10/26/18	4348
	65.45000	-0.50000	11/30/18	4348
	65.45000	-0.50000	12/28/18	4348
	65.00000	-0.10000	1/25/19	4348
	65.00000	-0.10000	2/22/19	4348
	65.00000	-0.10000	3/29/19	4348
	65.00000	-0.10000	4/26/19	4348
	65.00000	-0.10000	5/31/19	4348
	65.00000	-0.10000	6/28/19	4348
	65.00000	-0.10000	7/26/19	4348
	65.00000	-0.10000	8/30/19	4348
	65.00000	-0.10000	9/27/19	4348
	65.00000	-0.10000	10/25/19	4348
	65.00000	-0.10000	11/29/19	4348
	65.00000	-0.10000	12/27/19	4348

	64.80000	-0.10000	1/31/20	4348
	64.80000	-0.10000	2/28/20	4348
	64.80000	-0.10000	3/27/20	4348
	64.80000	-0.10000	4/24/20	4348
	64.80000	-0.10000	5/29/20	4348
	64.80000	-0.10000	6/26/20	4348
	64.80000	-0.10000	7/31/20	4348
	64.80000	-0.10000	8/28/20	4348
	64.80000	-0.10000	9/25/20	4348
	64.80000	-0.10000	10/30/20	4348
	64.80000	-0.10000	11/27/20	4348
	64.80000	-0.10000	12/31/20	4348
	65.00000	-0.10000	1/29/21	4348
	65.00000	-0.10000	2/26/21	4348
	65.00000	-0.10000	3/26/21	4348
	65.00000	-0.10000	4/30/21	4348
	65.00000	-0.10000	5/28/21	4348
	65.00000	-0.10000	6/25/21	4348
	65.00000	-0.10000	7/30/21	4348
	65.00000	-0.10000	8/27/21	4348
	65.00000	-0.10000	9/24/21	4348
	65.00000	-0.10000	10/29/21	4348
	65.00000	-0.10000	11/26/21	4348
	65.00000	-0.10000	12/31/21	4348
	22.11000	-0.42000	10/31/16	5751
	23.40000	-0.05000	11/30/16	5751

	28.30000	-0.10000	12/30/16	5751
	27.20000	-0.35000	1/31/17	5751
	25.65000	-0.30000	2/28/17	5751
	20.45000	-0.05000	3/31/17	5751
	13.90000	-0.40000	4/28/17	5751
	12.60000	-0.05000	5/31/17	5751
	10.00000	-0.30000	6/30/17	5751
	19.10000	-0.25000	7/31/17	5751
	23.85000	-0.35000	8/31/17	5751
	23.95000	-0.20000	9/29/17	5751
	22.60000	0.30000	10/31/17	5751
	24.05000	0.25000	11/30/17	5751
	29.05000	0.15000	12/29/17	5751
	26.75000	-0.25000	1/31/18	5751
	24.95000	-0.25000	2/28/18	5751
	22.30000	-0.20000	3/29/18	5751
	15.25000	-0.15000	4/30/18	5751
	10.80000	-0.15000	5/31/18	5751
	9.85000	-0.15000	6/29/18	5751
	17.40000	-0.20000	7/31/18	5751
	24.15000	-0.25000	8/31/18	5751
	25.25000	-0.20000	9/28/18	5751
	21.60000	-0.20000	10/31/18	5751
	23.60000	-0.20000	11/30/18	5751
	26.20000	-0.25000	12/31/18	5751
	28.15000	-0.25000	1/31/19	5751

	27.00000	-0.20000	2/28/19	5751
	24.20000	-0.20000	3/29/19	5751
	18.05000	-0.15000	4/30/19	5751
	13.40000	-0.15000	5/31/19	5751
	11.10000	-0.15000	6/28/19	5751
	15.15000	-0.20000	7/31/19	5751
	21.95000	-0.25000	8/30/19	5751
	21.35000	-0.25000	9/30/19	5751
	24.50000	-0.20000	10/31/19	5751
	27.30000	-0.20000	11/27/19	5751
	30.00000	-0.25000	12/31/19	5751
	29.75000	-0.25000	1/31/20	5751
	28.20000	-0.20000	2/28/20	5751
	25.30000	-0.20000	3/31/20	5751
	17.15000	-0.15000	4/30/20	5751
	12.05000	-0.15000	5/29/20	5751
	9.80000	-0.15000	6/30/20	5751
	16.05000	-0.20000	7/31/20	5751
	22.95000	-0.25000	8/31/20	5751
	22.85000	-0.25000	9/30/20	5751
	23.70000	-0.20000	10/30/20	5751
	26.65000	-0.20000	11/30/20	5751
	29.15000	-0.25000	12/31/20	5751
	28.50000	-0.25000	1/29/21	5751
	27.10000	-0.20000	2/26/21	5751
	24.00000	-0.20000	3/31/21	5751

	18.90000	-0.15000	4/30/21	5751
	13.15000	-0.15000	5/28/21	5751
	10.60000	-0.15000	6/30/21	5751
	19.90000	-0.20000	7/30/21	5751
	28.55000	-0.25000	8/31/21	5751
	28.15000	-0.25000	9/30/21	5751
	26.75000	-0.20000	10/29/21	5751
	30.05000	-0.20000	11/30/21	5751
	32.75000	-0.25000	12/31/21	5751
	26.05000	-0.20000	1/31/22	5751
	25.00000	-0.20000	2/28/22	5751
	21.90000	-0.20000	3/31/22	5751
	19.80000	-0.15000	4/29/22	5751
	14.15000	-0.15000	5/31/22	5751
	11.45000	-0.15000	6/30/22	5751
	23.35000	-0.20000	7/29/22	5751
	33.35000	-0.25000	8/31/22	5751
	32.65000	-0.25000	9/30/22	5751
	28.55000	-0.20000	10/31/22	5751
	32.00000	-0.20000	11/30/22	5751
	34.75000	-0.25000	12/30/22	5751
	31.95000	-0.25000	1/31/23	5751
	31.50000	-0.20000	2/28/23	5751
	25.65000	-0.20000	3/31/23	5751
	24.00000	-0.20000	4/28/23	5751
	15.50000	-0.15000	5/31/23	5751

	12.00000	-0.15000	6/30/23	5751
	19.30000	-0.20000	7/31/23	5751
	28.20000	-0.25000	8/31/23	5751
	30.10000	-0.20000	9/29/23	5751
	28.35000	-0.20000	10/31/23	5751
	30.90000	-0.25000	11/30/23	5751
	36.70000	-0.25000	12/29/23	5751
	33.15000	-0.25000	1/31/24	5751
	32.70000	-0.20000	2/29/24	5751
	26.65000	-0.20000	3/28/24	5751
	24.95000	-0.20000	4/30/24	5751
	16.00000	-0.15000	5/31/24	5751
	12.40000	-0.15000	6/28/24	5751
	20.05000	-0.20000	7/31/24	5751
	29.30000	-0.25000	8/30/24	5751
	31.35000	-0.20000	9/30/24	5751
	29.40000	-0.20000	10/31/24	5751
	32.10000	-0.20000	11/27/24	5751
	38.15000	-0.25000	12/31/24	5751
	34.40000	-0.25000	1/31/25	5751
	33.90000	-0.20000	2/28/25	5751
	27.60000	-0.20000	3/31/25	5751
	25.85000	-0.20000	4/30/25	5751
	16.65000	-0.15000	5/30/25	5751
	12.85000	-0.15000	6/30/25	5751
	20.75000	-0.20000	7/31/25	5751

	30.35000	-0.25000	8/29/25	5751
	32.40000	-0.20000	9/30/25	5751
	30.50000	-0.20000	10/31/25	5751
	33.30000	-0.25000	11/26/25	5751
	39.60000	-0.25000	12/31/25	5751
	35.60000	-0.25000	1/30/26	5751
	35.10000	-0.20000	2/27/26	5751
	28.60000	-0.20000	3/31/26	5751
	26.75000	-0.20000	4/30/26	5751
	17.25000	-0.15000	5/29/26	5751
	13.40000	-0.15000	6/30/26	5751
	21.45000	-0.20000	7/31/26	5751
	31.45000	-0.25000	8/31/26	5751
	33.55000	-0.20000	9/30/26	5751
	31.55000	-0.20000	10/30/26	5751
	34.50000	-0.20000	11/30/26	5751
	41.00000	-0.25000	12/31/26	5751
	29.57000	0.00000	10/5/16	5750
	29.01000	-0.22000	11/3/16	5750
	30.60000	0.20000	12/5/16	5750
	34.90000	-0.35000	1/5/17	5750
	34.70000	-0.30000	2/3/17	5750
	32.40000	-0.25000	3/3/17	5750
	28.20000	0.00000	4/5/17	5750
	23.90000	0.20000	5/3/17	5750
	24.55000	0.25000	6/5/17	5750

	26.00000	0.00000	7/6/17	5750
	29.80000	0.20000	8/3/17	5750
	31.20000	0.15000	9/6/17	5750
	30.75000	0.25000	10/4/17	5750
	30.45000	0.35000	11/3/17	5750
	30.50000	0.30000	12/5/17	5750
	32.65000	0.25000	1/4/18	5750
	31.15000	0.00000	2/5/18	5750
	31.45000	0.00000	3/5/18	5750
	30.30000	0.00000	4/4/18	5750
	24.40000	0.00000	5/3/18	5750
	23.25000	0.00000	6/5/18	5750
	24.85000	0.00000	7/5/18	5750
	28.45000	0.00000	8/3/18	5750
	30.05000	0.00000	9/6/18	5750
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	31.60000	0.00000	1/4/19	5750
	32.50000	0.00000	2/5/19	5750
	32.65000	0.00000	3/5/19	5750
	31.45000	0.00000	4/3/19	5750
	20.30000	0.00000	5/3/19	5750
	19.60000	0.00000	6/5/19	5750
	19.20000	0.00000	7/3/19	5750
	30.00000	0.00000	8/5/19	5750

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	32.90000	0.00000	11/5/19	5750
	32.85000	0.00000	12/4/19	5750
	33.85000	0.00000	1/6/20	5750
	34.50000	0.00000	2/5/20	5750
	34.55000	0.00000	3/4/20	5750
	33.05000	0.00000	4/3/20	5750
	22.00000	0.00000	5/5/20	5750
	20.95000	0.00000	6/3/20	5750
	20.30000	0.00000	7/6/20	5750
	30.05000	0.00000	8/5/20	5750
	30.20000	0.00000	9/3/20	5750
	30.25000	0.00000	10/5/20	5750
	35.00000	0.00000	11/4/20	5750
	34.80000	0.00000	12/3/20	5750
	35.70000	0.00000	1/6/21	5750
	34.50000	0.00000	2/3/21	5750
	34.60000	0.00000	3/3/21	5750
	33.40000	0.00000	4/6/21	5750
	22.10000	0.00000	5/5/21	5750
	21.35000	0.00000	6/3/21	5750
	20.85000	0.00000	7/6/21	5750
	30.00000	0.00000	8/4/21	5750
	29.90000	0.00000	9/3/21	5750
	30.25000	0.00000	10/5/21	5750

	35.25000	0.00000	11/3/21	5750
	35.20000	0.00000	12/3/21	5750
	36.50000	0.00000	1/5/22	5750
	34.60000	0.00000	2/3/22	5750
	34.75000	0.00000	3/3/22	5750
	33.50000	0.00000	4/5/22	5750
	22.25000	0.00000	5/4/22	5750
	21.55000	0.00000	6/3/22	5750
	21.05000	0.00000	7/6/22	5750
	30.25000	0.00000	8/3/22	5750
	30.20000	0.00000	9/6/22	5750
	30.40000	0.00000	10/5/22	5750
	35.50000	0.00000	11/3/22	5750
	35.30000	0.00000	12/5/22	5750
	36.60000	0.00000	1/5/23	5750
	34.70000	0.00000	2/3/23	5750
	34.70000	0.00000	3/3/23	5750
	33.45000	0.00000	4/5/23	5750
	22.25000	0.00000	5/3/23	5750
	21.50000	0.00000	6/5/23	5750
	21.00000	0.00000	7/6/23	5750
	30.50000	0.00000	8/3/23	5750
	30.35000	0.00000	9/6/23	5750
	30.60000	0.00000	10/4/23	5750
	35.45000	0.00000	11/3/23	5750
	35.35000	0.00000	12/5/23	5750

	36.65000	0.00000	1/4/24	5750
	35.25000	0.00000	2/5/24	5750
	35.50000	0.00000	3/5/24	5750
	34.30000	0.00000	4/3/24	5750
	22.85000	0.00000	5/3/24	5750
	22.00000	0.00000	6/5/24	5750
	21.60000	0.00000	7/3/24	5750
	31.30000	0.00000	8/5/24	5750
	31.05000	0.00000	9/5/24	5750
	31.35000	0.00000	10/3/24	5750
	36.15000	0.00000	11/5/24	5750
	36.05000	0.00000	12/4/24	5750
	37.40000	0.00000	1/6/25	5750
	36.10000	0.00000	2/5/25	5750
	36.20000	0.00000	3/5/25	5750
	34.90000	0.00000	4/3/25	5750
	23.30000	0.00000	5/5/25	5750
	22.40000	0.00000	6/4/25	5750
	22.00000	0.00000	7/3/25	5750
	31.90000	0.00000	8/5/25	5750
	31.75000	0.00000	9/4/25	5750
	32.00000	0.00000	10/3/25	5750
	36.85000	0.00000	11/5/25	5750
	36.75000	0.00000	12/3/25	5750
	38.15000	0.00000	1/6/26	5750
	36.65000	0.00000	2/4/26	5750

	36.85000	0.00000	3/4/26	5750
	35.50000	0.00000	4/6/26	5750
	23.70000	0.00000	5/5/26	5750
	22.80000	0.00000	6/3/26	5750
	22.35000	0.00000	7/6/26	5750
	32.50000	0.00000	8/5/26	5750
	32.40000	0.00000	9/3/26	5750
	32.60000	0.00000	10/5/26	5750
	37.50000	0.00000	11/4/26	5750
	37.40000	0.00000	12/3/26	5750
	38.75000	0.00000	1/6/27	5750
	178.63000	0.00000	10/4/16	15970
	42.31000	0.00000	10/5/16	15970
	48.00000	0.00000	10/6/16	15970
	88.81000	0.00000	10/7/16	15970
	56.98000	0.00000	10/10/16	15970
	37.23000	0.00000	10/10/16	15970
	23.96000	0.00000	10/10/16	15970
	22.64000	-25.36000	10/11/16	15970
	48.00000	0.00000	10/12/16	15970
	43.55000	7.95000	10/13/16	15970
	35.75000	0.15000	10/14/16	15970
	35.75000	0.15000	10/17/16	15970
	35.75000	0.15000	10/17/16	15970
	29.60000	0.10000	10/17/16	15970
	35.75000	0.15000	10/18/16	15970

	35.75000	0.15000	10/19/16	15970
	35.75000	0.15000	10/20/16	15970
	35.75000	0.15000	10/21/16	15970
	35.75000	0.15000	10/24/16	15970
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	29.60000	0.10000	10/24/16	15970
	35.75000	0.15000	10/25/16	15970
	35.75000	0.15000	10/26/16	15970
	35.75000	0.15000	10/27/16	15970
	35.75000	0.15000	10/28/16	15970
	35.75000	0.15000	10/31/16	15970
	35.75000	0.15000	10/31/16	15970
	29.60000	0.10000	10/31/16	15970
	35.75000	0.15000	11/1/16	15970
	35.75000	0.15000	11/2/16	15970
	35.75000	0.15000	11/3/16	15970
	35.75000	0.15000	11/4/16	15970
	35.75000	0.15000	11/7/16	15970
	35.75000	0.15000	11/7/16	15970
	29.60000	0.10000	11/7/16	15970
	35.75000	0.15000	11/8/16	15970
	34.95000	0.20000	11/9/16	15970
	34.95000	0.20000	11/10/16	15970
	34.95000	0.20000	11/11/16	15970
	34.95000	0.20000	11/14/16	15970
	34.95000	0.20000	11/14/16	15970

	30.60000	0.20000	11/14/16	15970
	34.95000	0.20000	11/15/16	15970
	34.95000	0.20000	11/16/16	15970
	34.95000	0.20000	11/17/16	15970
	34.95000	0.20000	11/18/16	15970
	34.95000	0.20000	11/21/16	15970
	34.95000	0.20000	11/21/16	15970
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	34.95000	0.20000	11/30/16	15970
	30.60000	0.20000	11/30/16	15970
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	34.95000	0.20000	12/2/16	15970
	34.95000	0.20000	12/5/16	15970
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	34.95000	0.20000	12/5/16	15970
	30.60000	0.20000	12/5/16	15970
	34.95000	0.20000	12/6/16	15970
	34.95000	0.20000	12/7/16	15970
	34.95000	0.20000	12/8/16	15970
	40.60000	-0.05000	12/9/16	15970

	40.60000	-0.05000	12/12/16	15970
	40.60000	-0.05000	12/12/16	15970
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	40.60000	-0.05000	12/14/16	15970
	40.60000		12/15/16	15970
	40.60000		12/16/16	15970
	40.60000		12/19/16	15970
	31.23000	0.00000	10/4/16	15971
	31.82000	0.00000	10/5/16	15971
	31.10000	0.00000	10/6/16	15971
	27.92000	0.00000	10/7/16	15971
	27.23000	0.00000	10/10/16	15971
	33.78000	0.00000	10/10/16	15971
	32.46000	0.00000	10/10/16	15971
	29.55000	2.55000	10/11/16	15971
	27.75000	0.00000	10/12/16	15971
	28.25000	-1.25000	10/13/16	15971
	29.60000	0.10000	10/14/16	15971
	29.60000	0.10000	10/17/16	15971
	29.60000	0.10000	10/17/16	15971
	29.60000	0.10000	10/17/16	15971
	29.60000	0.10000	10/18/16	15971
	29.60000	0.10000	10/19/16	15971
	29.60000	0.10000	10/20/16	15971
	29.60000	0.10000	10/21/16	15971

	29.60000	0.10000	10/24/16	15971
	29.60000	0.10000	10/24/16	15971
	29.60000	0.10000	10/24/16	15971
	29.60000	0.10000	10/25/16	15971
	29.60000	0.10000	10/26/16	15971
	29.60000	0.10000	10/27/16	15971
	29.60000	0.10000	10/28/16	15971
	29.60000	0.10000	10/31/16	15971
	29.60000	0.10000	10/31/16	15971
	29.60000	0.10000	10/31/16	15971
	29.60000	0.10000	11/1/16	15971
	29.60000	0.10000	11/2/16	15971
	29.60000	0.10000	11/3/16	15971
	29.60000	0.10000	11/4/16	15971
	29.60000	0.10000	11/7/16	15971
	29.60000	0.10000	11/7/16	15971
	29.60000	0.10000	11/7/16	15971
	29.60000	0.10000	11/8/16	15971
	30.60000	0.20000	11/9/16	15971
	30.60000	0.20000	11/10/16	15971
	30.60000	0.20000	11/11/16	15971
	30.60000	0.20000	11/14/16	15971
	30.60000	0.20000	11/14/16	15971
	30.60000	0.20000	11/14/16	15971
	30.60000	0.20000	11/15/16	15971
	30.60000	0.20000	11/16/16	15971

	30.60000	0.20000	11/17/16	15971
	30.60000	0.20000	11/18/16	15971
	30.60000	0.20000	11/21/16	15971
	30.60000	0.20000	11/21/16	15971
	30.60000	0.20000	11/21/16	15971
	30.60000	0.20000	11/22/16	15971
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	30.60000	0.20000	11/30/16	15971
	30.60000	0.20000	11/30/16	15971
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	30.60000	0.20000	12/1/16	15971
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	30.60000	0.20000	12/6/16	15971
	30.60000	0.20000	12/7/16	15971
	30.60000	0.20000	12/8/16	15971
	34.90000	-0.35000	12/9/16	15971
	34.90000	-0.35000	12/12/16	15971
	34.90000	-0.35000	12/12/16	15971
	34.90000	-0.35000	12/12/16	15971

	34.90000	-0.35000	12/13/16	15971
	34.90000	-0.35000	12/14/16	15971
	34.90000		12/15/16	15971
	34.90000		12/16/16	15971
	34.90000		12/19/16	15971
	36.58000	5.48000	10/4/16	3965
	34.50000	1.25000	10/5/16	3965
	35.15000	1.85000	10/6/16	3965
	35.10000	1.80000	10/7/16	3965
	35.10000	1.80000	10/10/16	3965
	27.50000	0.00000	10/10/16	3965
	27.50000	0.00000	10/10/16	3965
	32.06000	0.42000	10/11/16	3965
	32.06000	0.42000	10/12/16	3965
	32.06000	0.42000	10/13/16	3965
	32.06000	0.42000	10/14/16	3965
	32.06000	0.42000	10/17/16	3965
	27.91000	0.77000	10/17/16	3965
	27.91000	0.77000	10/17/16	3965
	32.06000	0.42000	10/18/16	3965
	32.06000	0.42000	10/19/16	3965
	32.06000	0.42000	10/20/16	3965
	32.06000	0.42000	10/21/16	3965
	32.06000	0.42000	10/24/16	3965
	27.91000	0.77000	10/24/16	3965
	27.91000	0.77000	10/24/16	3965

	32.06000	0.42000	10/25/16	3965
	32.06000	0.42000	10/26/16	3965
	32.06000	0.42000	10/27/16	3965
	32.06000	0.42000	10/28/16	3965
	32.06000	0.42000	10/31/16	3965
	27.91000	0.77000	10/31/16	3965
	27.91000	0.77000	10/31/16	3965
	32.06000	0.42000	11/1/16	3965
	33.25000	0.55000	11/2/16	3965
	33.25000	0.55000	11/3/16	3965
	33.25000	0.55000	11/4/16	3965
	33.25000	0.55000	11/7/16	3965
	28.26000	0.46000	11/7/16	3965
	28.26000	0.46000	11/7/16	3965
	33.25000	0.55000	11/8/16	3965
	33.25000	0.55000	11/9/16	3965
	33.25000	0.55000	11/10/16	3965
	33.25000	0.55000	11/11/16	3965
	33.25000	0.55000	11/14/16	3965
	28.26000	0.46000	11/14/16	3965
	28.26000	0.46000	11/14/16	3965
	33.25000	0.55000	11/15/16	3965
	33.25000	0.55000	11/16/16	3965
	33.25000	0.55000	11/17/16	3965
	33.25000	0.55000	11/18/16	3965
	33.25000	0.55000	11/21/16	3965

	28.26000	0.46000	11/21/16	3965
	28.26000	0.46000	11/21/16	3965
	33.25000	0.55000	11/22/16	3965
	33.25000	0.55000	11/23/16	3965
	33.25000	0.55000	11/28/16	3965
	28.26000	0.46000	11/28/16	3965
	33.25000	0.55000	11/28/16	3965
	28.26000	0.46000	11/28/16	3965
	28.26000	0.46000	11/28/16	3965
	33.25000	0.55000	11/29/16	3965
	33.25000	0.55000	11/30/16	3965
	33.25000	0.55000	12/1/16	3965
	36.15000	0.50000	12/2/16	3965
	36.15000	0.50000	12/5/16	3965
	30.73000	0.43000	12/5/16	3965
	30.73000	0.43000	12/5/16	3965
	36.15000	0.50000	12/6/16	3965
	36.15000	0.50000	12/7/16	3965
	36.15000	0.50000	12/8/16	3965
	36.15000	0.50000	12/9/16	3965
	36.15000	0.50000	12/12/16	3965
	30.73000	0.43000	12/12/16	3965
	30.73000	0.43000	12/12/16	3965
	36.15000	0.50000	12/13/16	3965
	36.15000	0.50000	12/14/16	3965
	36.15000	0.50000	12/15/16	3965

	36.15000	0.50000	12/16/16	3965
	36.15000	0.50000	12/19/16	3965
	30.73000	0.43000	12/19/16	3965
	30.73000	0.43000	12/19/16	3965
	36.15000	0.50000	12/20/16	3965
	36.15000	0.50000	12/21/16	3965
	36.15000	0.50000	12/22/16	3965
	36.15000	0.50000	12/23/16	3965
	36.15000	0.50000	12/27/16	3965
	30.73000	0.43000	12/27/16	3965
	30.73000	0.43000	12/27/16	3965
	36.15000	0.50000	12/27/16	3965
	36.15000	0.50000	12/28/16	3965
	36.15000	0.50000	12/29/16	3965
	36.15000	0.50000	12/30/16	3965
	36.15000	0.50000	1/3/17	3965
	30.73000	0.43000	1/3/17	3965
	38.17000	0.22000	1/3/17	3965
	38.17000	0.22000	1/3/17	3965
	44.90000	0.25000	1/4/17	3965
	44.90000	0.25000	1/5/17	3965
	44.90000	0.25000	1/6/17	3965
	44.90000	0.25000	1/9/17	3965
	38.17000	0.22000	1/9/17	3965
	38.17000	0.22000	1/9/17	3965
	44.90000	0.25000	1/10/17	3965

	44.90000	0.25000	1/11/17	3965
	44.90000	0.25000	1/12/17	3965
	44.90000	0.25000	1/13/17	3965
	44.90000	0.25000	1/17/17	3965
	38.17000	0.22000	1/17/17	3965
	38.17000	0.22000	1/17/17	3965
	44.90000	0.25000	1/17/17	3965
	44.90000	0.25000	1/18/17	3965
	44.90000	0.25000	1/19/17	3965
	44.90000	0.25000	1/20/17	3965
	44.90000	0.25000	1/23/17	3965
	38.17000	0.22000	1/23/17	3965
	38.17000	0.22000	1/23/17	3965
	44.90000	0.25000	1/24/17	3965
	44.90000	0.25000	1/25/17	3965
	44.90000	0.25000	1/26/17	3965
	44.90000	0.25000	1/27/17	3965
	44.90000	0.25000	1/30/17	3965
	38.17000	0.22000	1/30/17	3965
	38.17000	0.22000	1/30/17	3965
	44.90000	0.25000	1/31/17	3965
	44.90000	0.25000	2/1/17	3965
	45.40000	0.30000	2/2/17	3965
	45.40000	0.30000	2/3/17	3965
	45.40000	0.30000	2/6/17	3965
	38.59000	0.25000	2/6/17	3965

	38.59000	0.25000	2/6/17	3965
	45.40000	0.30000	2/7/17	3965
	45.40000	0.30000	2/8/17	3965
	45.40000	0.30000	2/9/17	3965
	45.40000	0.30000	2/10/17	3965
	45.40000	0.30000	2/13/17	3965
	38.59000	0.25000	2/13/17	3965
	38.59000	0.25000	2/13/17	3965
	45.40000	0.30000	2/14/17	3965
	45.40000	0.30000	2/15/17	3965
	45.40000	0.30000	2/16/17	3965
	45.40000	0.30000	2/17/17	3965
	45.40000	0.30000	2/21/17	3965
	38.59000	0.25000	2/21/17	3965
	38.59000	0.25000	2/21/17	3965
	45.40000	0.30000	2/21/17	3965
	45.40000	0.30000	2/22/17	3965
	45.40000	0.30000	2/23/17	3965
	45.40000	0.30000	2/24/17	3965
	45.40000	0.30000	2/27/17	3965
	38.59000	0.25000	2/27/17	3965
	38.59000	0.25000	2/27/17	3965
	45.40000	0.30000	2/28/17	3965
	45.40000	0.30000	3/1/17	3965
	37.90000	0.45000	3/2/17	3965
	37.90000	0.45000	3/3/17	3965

	37.90000	0.45000	3/6/17	3965
	32.22000	0.39000	3/6/17	3965
	32.22000	0.39000	3/6/17	3965
	37.90000	0.45000	3/7/17	3965
	37.90000	0.45000	3/8/17	3965
	37.90000	0.45000	3/9/17	3965
	37.90000	0.45000	3/10/17	3965
	37.90000	0.45000	3/13/17	3965
	32.22000	0.39000	3/13/17	3965
	32.22000	0.39000	3/13/17	3965
	37.90000	0.45000	3/14/17	3965
	37.90000	0.45000	3/15/17	3965
	37.90000	0.45000	3/16/17	3965
	37.90000	0.45000	3/17/17	3965
	37.90000	0.45000	3/20/17	3965
	32.22000	0.39000	3/20/17	3965
	32.22000	0.39000	3/20/17	3965
	37.90000	0.45000	3/21/17	3965
	37.90000	0.45000	3/22/17	3965
	37.90000	0.45000	3/23/17	3965
	37.90000	0.45000	3/24/17	3965
	37.90000	0.45000	3/27/17	3965
	32.22000	0.39000	3/27/17	3965
	32.22000	0.39000	3/27/17	3965
	37.90000	0.45000	3/28/17	3965
	37.90000	0.45000	3/29/17	3965

	37.90000	0.45000	3/30/17	3965
	37.90000	0.45000	3/31/17	3965
	37.90000	0.45000	4/3/17	3965
	28.94000	0.08000	4/3/17	3965
	28.94000	0.08000	4/3/17	3965
	34.05000	0.10000	4/4/17	3965
	34.05000	0.10000	4/5/17	3965
	34.05000	0.10000	4/6/17	3965
	34.05000	0.10000	4/7/17	3965
	34.05000	0.10000	4/10/17	3965
	28.94000	0.08000	4/10/17	3965
	28.94000	0.08000	4/10/17	3965
	34.05000	0.10000	4/11/17	3965
	34.05000	0.10000	4/12/17	3965
	34.05000	0.10000	4/13/17	3965
	34.05000	0.10000	4/17/17	3965
	34.05000	0.10000	4/17/17	3965
	28.94000	0.08000	4/17/17	3965
	28.94000	0.08000	4/17/17	3965
	34.05000	0.10000	4/18/17	3965
	34.05000	0.10000	4/19/17	3965
	34.05000	0.10000	4/20/17	3965
	34.05000	0.10000	4/21/17	3965
	34.05000	0.10000	4/24/17	3965
	28.94000	0.08000	4/24/17	3965
	28.94000	0.08000	4/24/17	3965

	34.05000	0.10000	4/25/17	3965
	34.05000	0.10000	4/26/17	3965
	34.05000	0.10000	4/27/17	3965
	34.05000	0.10000	4/28/17	3965
	34.05000	0.10000	5/1/17	3965
	28.94000	0.08000	5/1/17	3965
	28.94000	0.08000	5/1/17	3965
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	34.60000	0.15000	5/3/17	3965
	34.60000	0.15000	5/4/17	3965
	34.60000	0.15000	5/5/17	3965
	34.60000	0.15000	5/8/17	3965
	29.41000	0.13000	5/8/17	3965
	29.41000	0.13000	5/8/17	3965
	34.60000	0.15000	5/9/17	3965
	34.60000	0.15000	5/10/17	3965
	34.60000	0.15000	5/11/17	3965
	34.60000	0.15000	5/12/17	3965
	34.60000	0.15000	5/15/17	3965
	29.41000	0.13000	5/15/17	3965
	29.41000	0.13000	5/15/17	3965
	34.60000	0.15000	5/16/17	3965
	34.60000	0.15000	5/17/17	3965
	34.60000	0.15000	5/18/17	3965
	34.60000	0.15000	5/19/17	3965
	34.60000	0.15000	5/22/17	3965

	29.41000	0.13000	5/22/17	3965
	29.41000	0.13000	5/22/17	3965
	34.60000	0.15000	5/23/17	3965
	34.60000	0.15000	5/24/17	3965
	34.60000	0.15000	5/25/17	3965
	34.60000	0.15000	5/26/17	3965
	34.60000	0.15000	5/30/17	3965
	29.41000	0.13000	5/30/17	3965
	29.41000	0.13000	5/30/17	3965
	29.41000	0.13000	5/30/17	3965
	34.60000	0.15000	5/31/17	3965
	34.60000	0.15000	6/1/17	3965
	35.10000	0.10000	6/2/17	3965
	35.10000	0.10000	6/5/17	3965
	26.33000	0.08000	6/5/17	3965
	26.33000	0.08000	6/5/17	3965
	35.10000	0.10000	6/6/17	3965
	35.10000	0.10000	6/7/17	3965
	35.10000	0.10000	6/8/17	3965
	35.10000	0.10000	6/9/17	3965
	35.10000	0.10000	6/12/17	3965
	26.33000	0.08000	6/12/17	3965
	26.33000	0.08000	6/12/17	3965
	35.10000	0.10000	6/13/17	3965
	35.10000	0.10000	6/14/17	3965
	35.10000	0.10000	6/15/17	3965

	35.10000	0.10000	6/16/17	3965
	35.10000	0.10000	6/19/17	3965
	26.33000	0.08000	6/19/17	3965
	26.33000	0.08000	6/19/17	3965
	35.10000	0.10000	6/20/17	3965
	35.10000	0.10000	6/21/17	3965
	35.10000	0.10000	6/22/17	3965
	35.10000	0.10000	6/23/17	3965
	35.10000	0.10000	6/26/17	3965
	26.33000	0.08000	6/26/17	3965
	26.33000	0.08000	6/26/17	3965
	35.10000	0.10000	6/27/17	3965
	35.10000	0.10000	6/28/17	3965
	35.10000		6/29/17	3965
	35.10000		6/30/17	3965
	35.10000		7/3/17	3965
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	35.10000	1.80000	10/7/16	410
	35.10000	1.80000	10/10/16	410
	27.50000	0.00000	10/10/16	410
	27.50000	0.00000	10/10/16	410
	32.06000	0.42000	10/11/16	410
	32.06000	0.42000	10/12/16	410
	32.06000	0.42000	10/13/16	410

	32.06000	0.42000	10/14/16	410
	32.06000	0.42000	10/17/16	410
	27.91000	0.77000	10/17/16	410
	27.91000	0.77000	10/17/16	410
	32.06000	0.42000	10/18/16	410
	32.06000	0.42000	10/19/16	410
	32.06000	0.42000	10/20/16	410
	32.06000	0.42000	10/21/16	410
	32.06000	0.42000	10/24/16	410
	27.91000	0.77000	10/24/16	410
	27.91000	0.77000	10/24/16	410
	32.06000	0.42000	10/25/16	410
	32.06000	0.42000	10/26/16	410
	32.06000	0.42000	10/27/16	410
	32.06000	0.42000	10/28/16	410
	32.06000	0.42000	10/31/16	410
	27.91000	0.77000	10/31/16	410
	27.91000	0.77000	10/31/16	410
	32.06000	0.42000	11/1/16	410
	33.25000	0.55000	11/2/16	410
	33.25000	0.55000	11/3/16	410
	33.25000	0.55000	11/4/16	410
	33.25000	0.55000	11/7/16	410
	28.26000	0.46000	11/7/16	410
	28.26000	0.46000	11/7/16	410
	33.25000	0.55000	11/8/16	410

	33.25000	0.55000	11/9/16	410
	33.25000	0.55000	11/10/16	410
	33.25000	0.55000	11/11/16	410
	33.25000	0.55000	11/14/16	410
	28.26000	0.46000	11/14/16	410
	28.26000	0.46000	11/14/16	410
	33.25000	0.55000	11/15/16	410
	33.25000	0.55000	11/16/16	410
	33.25000	0.55000	11/17/16	410
	33.25000	0.55000	11/18/16	410
	33.25000	0.55000	11/21/16	410
	28.26000	0.46000	11/21/16	410
	28.26000	0.46000	11/21/16	410
	33.25000	0.55000	11/22/16	410
	33.25000	0.55000	11/23/16	410
	33.25000	0.55000	11/28/16	410
	28.26000	0.46000	11/28/16	410
	33.25000	0.55000	11/28/16	410
	28.26000	0.46000	11/28/16	410
	28.26000	0.46000	11/28/16	410
	33.25000	0.55000	11/29/16	410
	33.25000	0.55000	11/30/16	410
	33.25000	0.55000	12/1/16	410
	36.15000	0.50000	12/2/16	410
	36.15000	0.50000	12/5/16	410
	30.73000	0.43000	12/5/16	410

	30.73000	0.43000	12/5/16	410
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	36.15000	0.50000	12/7/16	410
	36.15000	0.50000	12/8/16	410
	36.15000	0.50000	12/9/16	410
	36.15000	0.50000	12/12/16	410
	30.73000	0.43000	12/12/16	410
	30.73000	0.43000	12/12/16	410
	36.15000	0.50000	12/13/16	410
	36.15000	0.50000	12/14/16	410
	36.15000	0.50000	12/15/16	410
	36.15000	0.50000	12/16/16	410
	36.15000	0.50000	12/19/16	410
	30.73000	0.43000	12/19/16	410
	30.73000	0.43000	12/19/16	410
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	36.15000	0.50000	12/21/16	410
	36.15000	0.50000	12/22/16	410
	36.15000	0.50000	12/23/16	410
	36.15000	0.50000	12/27/16	410
	30.73000	0.43000	12/27/16	410
	30.73000	0.43000	12/27/16	410
	36.15000	0.50000	12/27/16	410
	36.15000	0.50000	12/28/16	410
	36.15000	0.50000	12/29/16	410
	36.15000	0.50000	12/30/16	410

	36.15000	0.50000	1/3/17	410
	30.73000	0.43000	1/3/17	410
	38.17000	0.22000	1/3/17	410
	38.17000	0.22000	1/3/17	410
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	44.90000	0.25000	1/5/17	410
	44.90000	0.25000	1/6/17	410
	44.90000	0.25000	1/9/17	410
	38.17000	0.22000	1/9/17	410
	38.17000	0.22000	1/9/17	410
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	44.90000	0.25000	1/11/17	410
	44.90000	0.25000	1/12/17	410
	44.90000	0.25000	1/13/17	410
	44.90000	0.25000	1/17/17	410
	38.17000	0.22000	1/17/17	410
	38.17000	0.22000	1/17/17	410
	44.90000	0.25000	1/17/17	410
	44.90000	0.25000	1/18/17	410
	44.90000	0.25000	1/19/17	410
	44.90000	0.25000	1/20/17	410
	44.90000	0.25000	1/23/17	410
	38.17000	0.22000	1/23/17	410
	38.17000	0.22000	1/23/17	410
	44.90000	0.25000	1/24/17	410
	44.90000	0.25000	1/25/17	410

	44.90000	0.25000	1/26/17	410
	44.90000	0.25000	1/27/17	410
	44.90000	0.25000	1/30/17	410
	38.17000	0.22000	1/30/17	410
	38.17000	0.22000	1/30/17	410
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	44.90000	0.25000	2/1/17	410
	45.40000	0.30000	2/2/17	410
	45.40000	0.30000	2/3/17	410
	45.40000	0.30000	2/6/17	410
	38.59000	0.25000	2/6/17	410
	38.59000	0.25000	2/6/17	410
	45.40000	0.30000	2/7/17	410
	45.40000	0.30000	2/8/17	410
	45.40000	0.30000	2/9/17	410
	45.40000	0.30000	2/10/17	410
	45.40000	0.30000	2/13/17	410
	38.59000	0.25000	2/13/17	410
	38.59000	0.25000	2/13/17	410
	45.40000	0.30000	2/14/17	410
	45.40000	0.30000	2/15/17	410
	45.40000	0.30000	2/16/17	410
	45.40000	0.30000	2/17/17	410
	45.40000	0.30000	2/21/17	410
	38.59000	0.25000	2/21/17	410
	38.59000	0.25000	2/21/17	410

	45.40000	0.30000	2/21/17	410
	45.40000	0.30000	2/22/17	410
	45.40000	0.30000	2/23/17	410
	45.40000	0.30000	2/24/17	410
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	38.59000	0.25000	2/27/17	410
	38.59000	0.25000	2/27/17	410
	45.40000	0.30000	2/28/17	410
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	37.90000	0.45000	3/6/17	410
	32.22000	0.39000	3/6/17	410
	32.22000	0.39000	3/6/17	410
	37.90000	0.45000	3/7/17	410
	37.90000	0.45000	3/8/17	410
	37.90000	0.45000	3/9/17	410
	37.90000	0.45000	3/10/17	410
	37.90000	0.45000	3/13/17	410
	32.22000	0.39000	3/13/17	410
	32.22000	0.39000	3/13/17	410
	37.90000	0.45000	3/14/17	410
	37.90000	0.45000	3/15/17	410
	37.90000	0.45000	3/16/17	410
	37.90000	0.45000	3/17/17	410
	37.90000	0.45000	3/20/17	410

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	32.22000	0.39000	3/20/17	410
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	37.90000	0.45000	3/22/17	410
	37.90000	0.45000	3/23/17	410
	37.90000	0.45000	3/24/17	410
	37.90000	0.45000	3/27/17	410
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	32.22000	0.39000	3/27/17	410
	37.90000	0.45000	3/28/17	410
	37.90000	0.45000	3/29/17	410
	37.90000	0.45000	3/30/17	410
	37.90000	0.45000	3/31/17	410
	37.90000	0.45000	4/3/17	410
	28.94000	0.08000	4/3/17	410
	28.94000	0.08000	4/3/17	410
	34.05000	0.10000	4/4/17	410
	34.05000	0.10000	4/5/17	410
	34.05000	0.10000	4/6/17	410
	34.05000	0.10000	4/7/17	410
	34.05000	0.10000	4/10/17	410
	28.94000	0.08000	4/10/17	410
	28.94000	0.08000	4/10/17	410
	34.05000	0.10000	4/11/17	410
	34.05000	0.10000	4/12/17	410
	34.05000	0.10000	4/13/17	410

	34.05000	0.10000	4/17/17	410
	34.05000	0.10000	4/17/17	410
	28.94000	0.08000	4/17/17	410
	28.94000	0.08000	4/17/17	410
	34.05000	0.10000	4/18/17	410
	34.05000	0.10000	4/19/17	410
	34.05000	0.10000	4/20/17	410
	34.05000	0.10000	4/21/17	410
	34.05000	0.10000	4/24/17	410
	28.94000	0.08000	4/24/17	410
	28.94000	0.08000	4/24/17	410
	34.05000	0.10000	4/25/17	410
	34.05000	0.10000	4/26/17	410
	34.05000	0.10000	4/27/17	410
	34.05000	0.10000	4/28/17	410
	34.05000	0.10000	5/1/17	410
	28.94000	0.08000	5/1/17	410
	28.94000	0.08000	5/1/17	410
	34.60000	0.15000	5/2/17	410
	34.60000	0.15000	5/3/17	410
	34.60000	0.15000	5/4/17	410
	34.60000	0.15000	5/5/17	410
	34.60000	0.15000	5/8/17	410
	29.41000	0.13000	5/8/17	410
	29.41000	0.13000	5/8/17	410
	34.60000	0.15000	5/9/17	410

	34.60000	0.15000	5/10/17	410
	34.60000	0.15000	5/11/17	410
	34.60000	0.15000	5/12/17	410
	34.60000	0.15000	5/15/17	410
	29.41000	0.13000	5/15/17	410
	29.41000	0.13000	5/15/17	410
	34.60000	0.15000	5/16/17	410
	34.60000	0.15000	5/17/17	410
	34.60000	0.15000	5/18/17	410
	34.60000	0.15000	5/19/17	410
	34.60000	0.15000	5/22/17	410
	29.41000	0.13000	5/22/17	410
	29.41000	0.13000	5/22/17	410
	34.60000	0.15000	5/23/17	410
	34.60000	0.15000	5/24/17	410
	34.60000	0.15000	5/25/17	410
	34.60000	0.15000	5/26/17	410
	34.60000	0.15000	5/30/17	410
	29.41000	0.13000	5/30/17	410
	29.41000	0.13000	5/30/17	410
	29.41000	0.13000	5/30/17	410
	34.60000	0.15000	5/31/17	410
	34.60000	0.15000	6/1/17	410
	35.10000	0.10000	6/2/17	410
	35.10000	0.10000	6/5/17	410
	26.33000	0.08000	6/5/17	410

	26.33000	0.08000	6/5/17	410
	35.10000	0.10000	6/6/17	410
	35.10000	0.10000	6/7/17	410
	35.10000	0.10000	6/8/17	410
	35.10000	0.10000	6/9/17	410
	35.10000	0.10000	6/12/17	410
	26.33000	0.08000	6/12/17	410
	26.33000	0.08000	6/12/17	410
	35.10000	0.10000	6/13/17	410
	35.10000	0.10000	6/14/17	410
	35.10000	0.10000	6/15/17	410
	35.10000	0.10000	6/16/17	410
	35.10000	0.10000	6/19/17	410
	26.33000	0.08000	6/19/17	410
	26.33000	0.08000	6/19/17	410
	35.10000	0.10000	6/20/17	410
	35.10000	0.10000	6/21/17	410
	35.10000	0.10000	6/22/17	410
	35.10000	0.10000	6/23/17	410
	35.10000	0.10000	6/26/17	410
	26.33000	0.08000	6/26/17	410
	26.33000	0.08000	6/26/17	410
	35.10000	0.10000	6/27/17	410
	35.10000	0.10000	6/28/17	410
	35.10000		6/29/17	410
	35.10000		6/30/17	410

	35.10000		7/3/17	410
	22.67000	0.00000	10/4/16	5755
	23.85000	0.25000	11/2/16	5755
	24.25000	0.00000	12/2/16	5755
	28.15000	0.20000	1/4/17	5755
	37.70000	0.10000	2/2/17	5755
	33.65000	0.05000	3/2/17	5755
	30.00000	0.00000	4/4/17	5755
	25.70000	0.00000	5/2/17	5755
	22.35000	0.25000	6/2/17	5755
	23.30000	0.00000	7/5/17	5755
	26.30000	0.00000	8/2/17	5755
	24.25000	0.00000	9/5/17	5755
	22.20000	0.00000	10/3/17	5755
	23.30000	0.00000	11/2/17	5755
	23.45000	0.00000	12/4/17	5755
	27.45000	0.00000	1/3/18	5755
	36.95000	0.15000	2/2/18	5755
	33.40000	0.15000	3/2/18	5755
	28.45000	0.05000	4/3/18	5755
	25.85000	0.05000	5/2/18	5755
	21.10000	0.00000	6/4/18	5755
	21.20000	0.00000	7/3/18	5755
	23.95000	0.05000	8/2/18	5755
	23.60000	0.05000	9/5/18	5755
	20.30000	0.00000	10/2/18	5755

	21.75000	0.05000	11/2/18	5755
	22.40000	0.05000	12/4/18	5755
	25.10000	0.05000	1/3/19	5755
	36.00000	0.05000	2/4/19	5755
	32.80000	0.05000	3/4/19	5755
	27.45000	0.05000	4/2/19	5755
	23.90000	0.05000	5/2/19	5755
	22.00000	0.05000	6/4/19	5755
	21.70000	0.05000	7/2/19	5755
	24.30000	0.05000	8/2/19	5755
	23.85000	0.05000	9/4/19	5755
	21.65000	0.05000	10/2/19	5755
	21.35000	0.05000	11/4/19	5755
	22.30000	0.05000	12/3/19	5755
	23.25000	0.05000	1/3/20	5755
	35.00000	0.05000	2/4/20	5755
	31.70000	0.05000	3/3/20	5755
	28.65000	0.05000	4/2/20	5755
	23.50000	0.05000	5/4/20	5755
	21.35000	0.05000	6/2/20	5755
	22.90000	0.05000	7/2/20	5755
	23.40000	0.05000	8/4/20	5755
	23.20000	0.05000	9/2/20	5755
	21.55000	0.05000	10/2/20	5755
	22.45000	0.05000	11/3/20	5755
	22.70000	0.05000	12/2/20	5755

	26.15000	0.05000	1/5/21	5755
	37.26000	0.00000	10/4/16	5754
	32.92000	0.55000	11/2/16	5754
	33.80000	0.55000	12/2/16	5754
	36.20000	0.50000	1/4/17	5754
	43.70000	0.25000	2/2/17	5754
	44.75000	0.30000	3/2/17	5754
	35.75000	0.45000	4/4/17	5754
	32.65000	0.10000	5/2/17	5754
	33.25000	0.15000	6/2/17	5754
	34.45000	0.10000	7/5/17	5754
	44.75000	0.05000	8/2/17	5754
	43.25000	0.05000	9/5/17	5754
	33.40000	0.15000	10/3/17	5754
	30.70000	0.15000	11/2/17	5754
	31.10000	0.30000	12/4/17	5754
	34.15000	0.20000	1/3/18	5754
	44.80000	0.30000	2/2/18	5754
	43.55000	0.30000	3/2/18	5754
	30.45000	0.10000	4/3/18	5754
	31.85000	0.10000	5/2/18	5754
	31.85000	0.00000	6/4/18	5754
	32.90000	0.00000	7/3/18	5754
	46.35000	0.00000	8/2/18	5754
	40.45000	0.00000	9/5/18	5754
	32.60000	0.15000	10/2/18	5754

	30.30000	0.00000	11/2/18	5754
	29.30000	0.00000	12/4/18	5754
	30.95000	0.00000	1/3/19	5754
	45.20000	-0.15000	2/4/19	5754
	44.40000	-0.10000	3/4/19	5754
	31.30000	-0.10000	4/2/19	5754
	32.85000	-0.05000	5/2/19	5754
	30.95000	-0.05000	6/4/19	5754
	32.20000	0.30000	7/2/19	5754
	45.95000	-0.10000	8/2/19	5754
	40.20000	-0.10000	9/4/19	5754
	30.85000	-0.05000	10/2/19	5754
	29.75000	-0.05000	11/4/19	5754
	30.00000	-0.05000	12/3/19	5754
	30.65000	-0.10000	1/3/20	5754
	44.75000	-0.15000	2/4/20	5754
	43.20000	-0.10000	3/3/20	5754
	31.60000	-0.10000	4/2/20	5754
	32.55000	-0.05000	5/4/20	5754
	33.20000	-0.10000	6/2/20	5754
	33.75000	0.30000	7/2/20	5754
	45.45000	-0.10000	8/4/20	5754
	41.15000	-0.10000	9/2/20	5754
	29.55000	-0.05000	10/2/20	5754
	29.90000	-0.05000	11/3/20	5754
	30.15000	-0.05000	12/2/20	5754

	31.95000	-0.10000	1/5/21	5754
	41.94000	-17.90000	10/4/16	19051
	59.46000	-0.38000	10/5/16	19051
	59.46000	-0.38000	10/6/16	19051
	38.56000	-0.23000	10/7/16	19051
	38.56000	-0.23000	10/10/16	19051
	59.46000	-0.38000	10/10/16	19051
	59.46000	-0.38000	10/10/16	19051
	59.46000	-0.38000	10/11/16	19051
	59.46000	-0.38000	10/12/16	19051
	59.46000	-0.38000	10/13/16	19051
	38.56000	-0.23000	10/14/16	19051
	38.56000	-0.23000	10/17/16	19051
	59.46000	-0.38000	10/17/16	19051
	59.46000	-0.38000	10/17/16	19051
	59.46000	-0.38000	10/18/16	19051
	59.46000	-0.38000	10/19/16	19051
	59.46000	-0.38000	10/20/16	19051
	38.56000	-0.23000	10/21/16	19051
	38.56000	-0.23000	10/24/16	19051
	59.46000	-0.38000	10/24/16	19051
	59.46000	-0.38000	10/24/16	19051
	59.46000	-0.38000	10/25/16	19051
	59.46000	-0.38000	10/26/16	19051
	59.46000	-0.38000	10/27/16	19051
	38.56000	-0.23000	10/28/16	19051

	38.56000	-0.23000	10/31/16	19051
	59.46000	-0.38000	10/31/16	19051
	83.96000	2.30000	10/31/16	19051
	83.96000	2.30000	11/1/16	19051
	83.96000	2.30000	11/2/16	19051
	83.96000	2.30000	11/3/16	19051
	54.45000	1.51000	11/4/16	19051
	54.45000	1.51000	11/7/16	19051
	83.96000	2.30000	11/7/16	19051
	83.96000	2.30000	11/7/16	19051
	83.96000	2.30000	11/8/16	19051
	83.96000	2.30000	11/9/16	19051
	83.96000	2.30000	11/10/16	19051
	54.45000	1.51000	11/11/16	19051
	54.45000	1.51000	11/14/16	19051
	83.96000	2.30000	11/14/16	19051
	83.96000	2.30000	11/14/16	19051
	83.96000	2.30000	11/15/16	19051
	83.96000	2.30000	11/16/16	19051
	83.96000	2.30000	11/17/16	19051
	54.45000	1.51000	11/18/16	19051
	54.45000	1.51000	11/21/16	19051
	83.96000	2.30000	11/21/16	19051
	83.96000	2.30000	11/21/16	19051
	83.96000	2.30000	11/22/16	19051
	83.96000	2.30000	11/23/16	19051

	83.96000	2.30000	11/24/16	19051
	54.45000	1.51000	11/25/16	19051
	54.45000	1.51000	11/28/16	19051
	83.96000	2.30000	11/28/16	19051
	83.96000	2.30000	11/28/16	19051
	83.96000	2.30000	11/29/16	19051
	83.87000	3.04000	11/30/16	19051
	83.87000	3.04000	12/1/16	19051
	54.39000	1.99000	12/2/16	19051
	54.39000	1.99000	12/5/16	19051
	83.87000	3.04000	12/5/16	19051
	83.87000	3.04000	12/5/16	19051
	83.87000	3.04000	12/6/16	19051
	83.87000	3.04000	12/7/16	19051
	83.87000	3.04000	12/8/16	19051
	54.39000	1.99000	12/9/16	19051
	54.39000	1.99000	12/12/16	19051
	83.87000	3.04000	12/12/16	19051
	83.87000	3.04000	12/12/16	19051
	83.87000	3.04000	12/13/16	19051
	83.87000	3.04000	12/14/16	19051
	83.87000	3.04000	12/15/16	19051
	54.39000	1.99000	12/16/16	19051
	54.39000	1.99000	12/19/16	19051
	83.87000	3.04000	12/19/16	19051
	83.87000	3.04000	12/19/16	19051

	83.87000	3.04000	12/20/16	19051
	83.87000	3.04000	12/21/16	19051
	83.87000	3.04000	12/22/16	19051
	54.39000	1.99000	12/23/16	19051
	54.39000	1.99000	12/28/16	19051
	83.87000	3.04000	12/28/16	19051
	83.87000	3.04000	12/28/16	19051
	83.87000	3.04000	12/28/16	19051
	83.87000	3.04000	12/28/16	19051
	83.87000	3.04000	12/29/16	19051
	54.39000	1.99000	12/30/16	19051
	52.32000	1.99000	1/3/17	19051
	80.67000		1/3/17	19051
	80.67000		1/3/17	19051
	80.67000		1/3/17	19051
	37.60000	-8.92000	10/4/16	19041
	46.48000	-0.04000	10/5/16	19041
	46.48000	-0.04000	10/6/16	19041
	33.60000	-0.02000	10/7/16	19041
	33.60000	-0.02000	10/10/16	19041
	46.48000	-0.04000	10/10/16	19041
	46.48000	-0.04000	10/10/16	19041
	46.48000	-0.04000	10/11/16	19041
	46.48000	-0.04000	10/12/16	19041
	46.48000	-0.04000	10/13/16	19041
	33.60000	-0.02000	10/14/16	19041

	33.60000	-0.02000	10/17/16	19041
	46.48000	-0.04000	10/17/16	19041
	46.48000	-0.04000	10/17/16	19041
	46.48000	-0.04000	10/18/16	19041
	46.48000	-0.04000	10/19/16	19041
	46.48000	-0.04000	10/20/16	19041
	33.60000	-0.02000	10/21/16	19041
	33.60000	-0.02000	10/24/16	19041
	46.48000	-0.04000	10/24/16	19041
	46.48000	-0.04000	10/24/16	19041
	46.48000	-0.04000	10/25/16	19041
	46.48000	-0.04000	10/26/16	19041
	46.48000	-0.04000	10/27/16	19041
	33.60000	-0.02000	10/28/16	19041
	33.60000	-0.02000	10/31/16	19041
	46.48000	-0.04000	10/31/16	19041
	60.27000	0.61000	10/31/16	19041
	60.27000	0.61000	11/1/16	19041
	60.27000	0.61000	11/2/16	19041
	60.27000	0.61000	11/3/16	19041
	43.57000	0.45000	11/4/16	19041
	43.57000	0.45000	11/7/16	19041
	60.27000	0.61000	11/7/16	19041
	60.27000	0.61000	11/7/16	19041
	60.27000	0.61000	11/8/16	19041
	60.27000	0.61000	11/9/16	19041

	60.27000	0.61000	11/10/16	19041
	43.57000	0.45000	11/11/16	19041
	43.57000	0.45000	11/14/16	19041
	60.27000	0.61000	11/14/16	19041
	60.27000	0.61000	11/14/16	19041
	60.27000	0.61000	11/15/16	19041
	60.27000	0.61000	11/16/16	19041
	60.27000	0.61000	11/17/16	19041
	43.57000	0.45000	11/18/16	19041
	43.57000	0.45000	11/21/16	19041
	60.27000	0.61000	11/21/16	19041
	60.27000	0.61000	11/21/16	19041
	60.27000	0.61000	11/22/16	19041
	60.27000	0.61000	11/23/16	19041
	60.27000	0.61000	11/24/16	19041
	43.57000	0.45000	11/25/16	19041
	43.57000	0.45000	11/28/16	19041
	60.27000	0.61000	11/28/16	19041
	60.27000	0.61000	11/28/16	19041
	60.27000	0.61000	11/29/16	19041
	62.69000	0.79000	11/30/16	19041
	62.69000	0.79000	12/1/16	19041
	45.32000	0.58000	12/2/16	19041
	45.32000	0.58000	12/5/16	19041
	62.69000	0.79000	12/5/16	19041
	62.69000	0.79000	12/5/16	19041

	62.69000	0.79000	12/6/16	19041
	62.69000	0.79000	12/7/16	19041
	62.69000	0.79000	12/8/16	19041
	45.32000	0.58000	12/9/16	19041
	45.32000	0.58000	12/12/16	19041
	62.69000	0.79000	12/12/16	19041
	62.69000	0.79000	12/12/16	19041
	62.69000	0.79000	12/13/16	19041
	62.69000	0.79000	12/14/16	19041
	62.69000	0.79000	12/15/16	19041
	45.32000	0.58000	12/16/16	19041
	45.32000	0.58000	12/19/16	19041
	62.69000	0.79000	12/19/16	19041
	62.69000	0.79000	12/19/16	19041
	62.69000	0.79000	12/20/16	19041
	62.69000	0.79000	12/21/16	19041
	62.69000	0.79000	12/22/16	19041
	45.32000	0.58000	12/23/16	19041
	45.32000	0.58000	12/27/16	19041
	62.69000	0.79000	12/27/16	19041
	62.69000	0.79000	12/27/16	19041
	62.69000	0.79000	12/27/16	19041
	62.69000	0.79000	12/28/16	19041
	62.69000	0.79000	12/29/16	19041
	45.32000	0.58000	12/30/16	19041
	45.40000	-0.40000	1/3/17	19041

	62.80000		1/3/17	19041
	62.80000		1/3/17	19041
	62.80000		1/3/17	19041
	32.09000	-10.30000	10/4/16	19049
	42.22000	-0.17000	10/5/16	19049
	42.22000	-0.17000	10/6/16	19049
	27.79000	-0.08000	10/7/16	19049
	27.79000	-0.08000	10/10/16	19049
	42.22000	-0.17000	10/10/16	19049
	42.22000	-0.17000	10/10/16	19049
	42.22000	-0.17000	10/11/16	19049
	42.22000	-0.17000	10/12/16	19049
	42.22000	-0.17000	10/13/16	19049
	27.79000	-0.08000	10/14/16	19049
	27.79000	-0.08000	10/17/16	19049
	42.22000	-0.17000	10/17/16	19049
	42.22000	-0.17000	10/17/16	19049
	42.22000	-0.17000	10/18/16	19049
	42.22000	-0.17000	10/19/16	19049
	42.22000	-0.17000	10/20/16	19049
	27.79000	-0.08000	10/21/16	19049
	27.79000	-0.08000	10/24/16	19049
	42.22000	-0.17000	10/24/16	19049
	42.22000	-0.17000	10/24/16	19049
	42.22000	-0.17000	10/25/16	19049
	42.22000	-0.17000	10/26/16	19049

	42.22000	-0.17000	10/27/16	19049
	27.79000	-0.08000	10/28/16	19049
	27.79000	-0.08000	10/31/16	19049
	42.22000	-0.17000	10/31/16	19049
	46.13000	-0.36000	10/31/16	19049
	46.13000	-0.36000	11/1/16	19049
	46.13000	-0.36000	11/2/16	19049
	46.13000	-0.36000	11/3/16	19049
	30.37000	-0.19000	11/4/16	19049
	30.37000	-0.19000	11/7/16	19049
	46.13000	-0.36000	11/7/16	19049
	46.13000	-0.36000	11/7/16	19049
	46.13000	-0.36000	11/8/16	19049
	46.13000	-0.36000	11/9/16	19049
	46.13000	-0.36000	11/10/16	19049
	30.37000	-0.19000	11/11/16	19049
	30.37000	-0.19000	11/14/16	19049
	46.13000	-0.36000	11/14/16	19049
	46.13000	-0.36000	11/14/16	19049
	46.13000	-0.36000	11/15/16	19049
	46.13000	-0.36000	11/16/16	19049
	46.13000	-0.36000	11/17/16	19049
	30.37000	-0.19000	11/18/16	19049
	30.37000	-0.19000	11/21/16	19049
	46.13000	-0.36000	11/21/16	19049
	46.13000	-0.36000	11/21/16	19049

	46.13000	-0.36000	11/22/16	19049
	46.13000	-0.36000	11/23/16	19049
	46.13000	-0.36000	11/24/16	19049
	30.37000	-0.19000	11/25/16	19049
	30.37000	-0.19000	11/28/16	19049
	46.13000	-0.36000	11/28/16	19049
	46.13000	-0.36000	11/28/16	19049
	46.13000	-0.36000	11/29/16	19049
	46.85000	-0.16000	11/30/16	19049
	46.85000	-0.16000	12/1/16	19049
	30.84000	-0.06000	12/2/16	19049
	30.84000	-0.06000	12/5/16	19049
	46.85000	-0.16000	12/5/16	19049
	46.85000	-0.16000	12/5/16	19049
	46.85000	-0.16000	12/6/16	19049
	46.85000	-0.16000	12/7/16	19049
	46.85000	-0.16000	12/8/16	19049
	30.84000	-0.06000	12/9/16	19049
	30.84000	-0.06000	12/12/16	19049
	46.85000	-0.16000	12/12/16	19049
	46.85000	-0.16000	12/12/16	19049
	46.85000	-0.16000	12/13/16	19049
	46.85000	-0.16000	12/14/16	19049
	46.85000	-0.16000	12/15/16	19049
	30.84000	-0.06000	12/16/16	19049
	30.84000	-0.06000	12/19/16	19049

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	46.85000	-0.16000	12/19/16	19049
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	46.85000	-0.16000	12/21/16	19049
	46.85000	-0.16000	12/22/16	19049
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	46.85000	-0.16000	12/29/16	19049
	30.84000	-0.06000	12/30/16	19049
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	47.65000		1/3/17	19049
	47.65000		1/3/17	19049
	47.65000		1/3/17	19049
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	35.22000	-0.79000	10/6/16	19039
	25.47000	-0.55000	10/7/16	19039
	25.47000	-0.55000	10/10/16	19039
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	35.22000	-0.79000	10/10/16	19039
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	35.22000	-0.79000	10/12/16	19039

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	25.47000	-0.55000	10/17/16	19039
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	35.22000	-0.79000	10/20/16	19039
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	27.22000	0.00000	11/7/16	19039
	37.63000	-0.04000	11/7/16	19039
	37.63000	-0.04000	11/7/16	19039

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	27.22000	0.00000	11/14/16	19039
	37.63000	-0.04000	11/14/16	19039
	37.63000	-0.04000	11/14/16	19039
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	27.22000	0.00000	11/21/16	19039
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	37.63000	-0.04000	11/22/16	19039
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	37.63000	-0.04000	11/24/16	19039
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	27.22000	0.00000	11/28/16	19039
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	36.86000	0.35000	12/1/16	19039
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	36.86000	0.35000	12/7/16	19039
	36.86000	0.35000	12/8/16	19039
	26.66000	0.28000	12/9/16	19039
	26.66000	0.28000	12/12/16	19039
	36.86000	0.35000	12/12/16	19039
	36.86000	0.35000	12/12/16	19039
	36.86000	0.35000	12/13/16	19039
	36.86000	0.35000	12/14/16	19039
	36.86000	0.35000	12/15/16	19039
	26.66000	0.28000	12/16/16	19039
	26.66000	0.28000	12/19/16	19039
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	36.86000	0.35000	12/20/16	19039
	36.86000	0.35000	12/21/16	19039
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	36.86000	0.35000	12/27/16	19039
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	36.86000	0.35000	12/29/16	19039

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	40.33000	0.09000	10/10/16	19047
	46.79000	0.10000	10/10/16	19047
	46.79000	0.10000	10/10/16	19047
	46.79000	0.10000	10/11/16	19047
	46.79000	0.10000	10/12/16	19047
	46.79000	0.10000	10/13/16	19047
	40.33000	0.09000	10/14/16	19047
	40.33000	0.09000	10/17/16	19047
	46.79000	0.10000	10/17/16	19047
	46.79000	0.10000	10/17/16	19047
	46.79000	0.10000	10/18/16	19047
	46.79000	0.10000	10/19/16	19047
	46.79000	0.10000	10/20/16	19047
	40.33000	0.09000	10/21/16	19047
	40.33000	0.09000	10/24/16	19047
	46.79000	0.10000	10/24/16	19047
	46.79000	0.10000	10/24/16	19047

	46.79000	0.10000	10/25/16	19047
	46.79000	0.10000	10/26/16	19047
	46.79000	0.10000	10/27/16	19047
	40.33000	0.09000	10/28/16	19047
	40.33000	0.09000	10/31/16	19047
	46.79000	0.10000	10/31/16	19047
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	55.55000	0.94000	11/3/16	19047
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	47.87000	0.81000	11/7/16	19047
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	55.55000	0.94000	11/7/16	19047
	55.55000	0.94000	11/8/16	19047
	55.55000	0.94000	11/9/16	19047
	55.55000	0.94000	11/10/16	19047
	47.87000	0.81000	11/11/16	19047
	47.87000	0.81000	11/14/16	19047
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	55.55000	0.94000	11/15/16	19047
	55.55000	0.94000	11/16/16	19047
	55.55000	0.94000	11/17/16	19047
	47.87000	0.81000	11/18/16	19047
	47.87000	0.81000	11/21/16	19047

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	55.55000	0.94000	11/21/16	19047
	55.55000	0.94000	11/22/16	19047
	55.55000	0.94000	11/23/16	19047
	55.55000	0.94000	11/24/16	19047
	47.87000	0.81000	11/25/16	19047
	47.87000	0.81000	11/28/16	19047
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	55.55000	0.94000	11/28/16	19047
	55.55000	0.94000	11/29/16	19047
	56.08000	0.64000	11/30/16	19047
	56.08000	0.64000	12/1/16	19047
	48.33000	0.55000	12/2/16	19047
	48.33000	0.55000	12/5/16	19047
	56.08000	0.64000	12/5/16	19047
	56.08000	0.64000	12/5/16	19047
	56.08000	0.64000	12/6/16	19047
	56.08000	0.64000	12/7/16	19047
	56.08000	0.64000	12/8/16	19047
	48.33000	0.55000	12/9/16	19047
	48.33000	0.55000	12/12/16	19047
	56.08000	0.64000	12/12/16	19047
	56.08000	0.64000	12/12/16	19047
	56.08000	0.64000	12/13/16	19047
	56.08000	0.64000	12/14/16	19047
	56.08000	0.64000	12/15/16	19047

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	48.33000	0.55000	12/19/16	19047
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	56.08000	0.64000	12/21/16	19047
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	48.33000	0.55000	12/27/16	19047
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	56.08000	0.64000	12/28/16	19047
	56.08000	0.64000	12/29/16	19047
	48.33000	0.55000	12/30/16	19047
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	24.48000	0.01000	10/10/16	19043
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	28.55000	0.07000	10/10/16	19043

	28.55000	0.07000	10/11/16	19043
	28.55000	0.07000	10/12/16	19043
	28.55000	0.07000	10/13/16	19043
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	24.48000	0.01000	10/17/16	19043
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	28.55000	0.07000	10/18/16	19043
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	24.48000	0.01000	10/24/16	19043
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	28.55000	0.07000	10/24/16	19043
	28.55000	0.07000	10/25/16	19043
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	31.29000	0.03000	11/1/16	19043
	31.29000	0.03000	11/2/16	19043
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	26.83000	-0.03000	11/7/16	19043

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	31.29000	0.03000	11/9/16	19043
	31.29000	0.03000	11/10/16	19043
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	26.83000	-0.03000	11/21/16	19043
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	27.67000	-0.12000	12/27/16	19043
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	40.63000	-0.13000	2/27/17	4324
	39.08000	-0.35000	3/30/17	4324
	38.13000	-0.35000	4/27/17	4324
	37.78000	-0.35000	5/30/17	4324
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	39.53000	-0.43000	8/30/17	4324
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	40.69000	0.82000	11/29/17	4324
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	41.46000	0.35000	1/30/18	4324
	37.01000	0.35000	2/27/18	4324
	35.58000	0.35000	3/28/18	4324

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	36.41000	0.35000	7/30/18	4324
	39.47000	0.35000	8/30/18	4324
	42.46000	0.35000	9/27/18	4324
	45.43000	0.35000	10/30/18	4324
	44.09000	0.35000	11/29/18	4324
	46.47000	-0.01000	12/28/18	4324
	44.85000	-0.01000	1/30/19	4324
	40.06000	-0.01000	2/27/19	4324
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	39.23000	-0.01000	9/27/19	4324
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	39.58000	-0.01000	11/28/19	4324
	43.73000	-0.01000	12/30/19	4324
	42.91000	-0.01000	1/30/20	4324
	38.73000	-0.01000	2/27/20	4324
	36.46000	-0.01000	3/30/20	4324
	35.99000	-0.01000	4/29/20	4324
	36.86000	-0.01000	5/28/20	4324

	37.54000	-0.01000	6/29/20	4324
	36.57000	-0.01000	7/30/20	4324
	39.34000	-0.01000	8/28/20	4324
	42.03000	-0.01000	9/29/20	4324
	44.70000	-0.01000	10/29/20	4324
	43.18000	-0.01000	11/27/20	4324
	45.39000	-0.01000	12/30/20	4324
	44.37000	-0.01000	1/28/21	4324
	40.02000	-0.01000	2/25/21	4324
	39.02000	-0.01000	3/30/21	4324
	38.02000	-0.01000	4/29/21	4324
	37.02000	-0.01000	5/28/21	4324
	36.02000	-0.01000	6/29/21	4324
	35.05000	-0.01000	7/29/21	4324
	37.82000	-0.01000	8/30/21	4324
	35.00000	0.00000	10/6/16	4321
	39.17000	-0.66000	10/28/16	4321
	38.18000	-0.02000	11/29/16	4321
	40.17000	0.05000	12/29/16	4321
	37.53000	0.05000	1/30/17	4321
	33.87000	0.05000	2/27/17	4321
	33.59000	0.18000	3/30/17	4321
	31.94000	0.18000	4/27/17	4321
	31.92000	0.18000	5/30/17	4321
	30.77000	-0.05000	6/29/17	4321
	30.46000	-0.05000	7/28/17	4321

	33.09000	-0.05000	8/30/17	4321
	33.63000	-0.05000	9/28/17	4321
	33.96000	-0.05000	10/30/17	4321
	32.12000	-0.05000	11/29/17	4321
	34.84000	0.03000	12/28/17	4321
	34.88000	0.03000	1/30/18	4321
	32.64000	0.03000	2/27/18	4321
	29.74000	0.03000	3/28/18	4321
	29.02000	0.03000	4/27/18	4321
	29.83000	0.03000	5/30/18	4321
	29.81000	0.03000	6/28/18	4321
	28.73000	0.03000	7/30/18	4321
	30.53000	0.03000	8/30/18	4321
	32.20000	0.03000	9/27/18	4321
	33.46000	0.03000	10/30/18	4321
	32.33000	0.03000	11/29/18	4321
	32.93000	-0.24000	12/28/18	4321
	32.90000	-0.24000	1/30/19	4321
	30.33000	-0.24000	2/27/19	4321
	28.74000	-0.24000	3/28/19	4321
	28.32000	-0.24000	4/29/19	4321
	29.18000	-0.24000	5/30/19	4321
	29.44000	-0.24000	6/27/19	4321
	28.61000	-0.24000	7/30/19	4321
	30.80000	-0.24000	8/29/19	4321
	32.67000	-0.24000	9/27/19	4321

	34.13000	-0.24000	10/30/19	4321
	32.93000	-0.24000	11/28/19	4321
	35.96000	-0.24000	12/30/19	4321
	35.76000	-0.24000	1/30/20	4321
	33.29000	-0.24000	2/27/20	4321
	31.65000	-0.24000	3/30/20	4321
	31.20000	-0.24000	4/29/20	4321
	31.98000	-0.24000	5/28/20	4321
	32.29000	-0.24000	6/29/20	4321
	31.55000	-0.24000	7/30/20	4321
	33.83000	-0.24000	8/28/20	4321
	35.85000	-0.24000	9/29/20	4321
	37.38000	-0.24000	10/29/20	4321
	36.32000	-0.24000	11/27/20	4321
	35.39000	-0.24000	12/30/20	4321
	35.02000	-0.24000	1/28/21	4321
	32.39000	-0.24000	2/25/21	4321
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	30.95000	-0.24000	4/29/21	4321
	30.45000	-0.24000	5/28/21	4321
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	29.41000	-0.24000	7/29/21	4321
	31.69000	-0.24000	8/30/21	4321
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	36.46000	0.00000	10/5/16	750
	34.51000	0.00000	10/6/16	750

	31.62000	0.00000	10/6/16	750
	28.41000	0.00000	10/6/16	750
	33.22000	0.00000	10/7/16	750
	34.06000	0.31000	10/10/16	750
	34.50000	-1.75000	10/11/16	750
	37.45000	1.20000	10/12/16	750
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	37.45000	1.20000	10/13/16	750
	30.65000	-0.35000	10/13/16	750
	36.64000	-0.51000	10/14/16	750
	36.64000	-0.51000	10/17/16	750
	36.64000	-0.51000	10/18/16	750
	36.64000	-0.51000	10/19/16	750
	36.64000	-0.51000	10/20/16	750
	36.64000	-0.51000	10/20/16	750
	30.65000	-0.35000	10/20/16	750
	36.64000	-0.51000	10/21/16	750
	36.64000	-0.51000	10/24/16	750
	36.64000	-0.51000	10/25/16	750
	36.64000	-0.51000	10/26/16	750
	36.64000	-0.51000	10/27/16	750
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	36.64000	-0.51000	10/31/16	750
	36.64000	-0.51000	11/1/16	750

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	36.64000	-0.51000	11/3/16	750
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	30.65000	-0.35000	11/3/16	750
	36.64000	-0.51000	11/4/16	750
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	36.45000	0.05000	11/8/16	750
	36.45000	0.05000	11/9/16	750
	36.45000	0.05000	11/10/16	750
	36.45000	0.05000	11/10/16	750
	31.40000	0.20000	11/10/16	750
	36.45000	0.05000	11/11/16	750
	36.45000	0.05000	11/14/16	750
	36.45000	0.05000	11/15/16	750
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	36.45000	0.05000	11/17/16	750
	36.45000	0.05000	11/17/16	750
	31.40000	0.20000	11/17/16	750
	36.45000	0.05000	11/18/16	750
	36.45000	0.05000	11/21/16	750
	36.45000	0.05000	11/22/16	750
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	36.45000	0.05000	11/28/16	750
	36.45000	0.05000	11/28/16	750
	31.40000	0.20000	11/28/16	750
	36.45000	0.05000	11/29/16	750

	36.45000	0.05000	11/30/16	750
	36.45000	0.05000	12/1/16	750
	31.40000	0.20000	12/1/16	750
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	36.45000	0.05000	12/1/16	750
	31.40000	0.20000	12/1/16	750
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	36.45000	0.05000	12/5/16	750
	36.45000	0.05000	12/6/16	750
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	41.10000	-0.35000	12/8/16	750
	41.10000	-0.35000	12/8/16	750
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	41.10000	-0.35000	12/9/16	750
	41.10000	-0.35000	12/12/16	750
	41.10000	-0.35000	12/13/16	750
	41.10000	-0.35000	12/14/16	750
	41.10000	-0.35000	12/15/16	750
	41.10000	-0.35000	12/15/16	750
	35.50000		12/15/16	750
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	39.00000	0.00000	10/6/16	4322
	39.00000	0.00000	10/6/16	4322
	39.00000	0.00000	10/6/16	4322
	39.00000	0.00000	10/6/16	4322
	39.00000	0.00000	10/6/16	4322

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	37.00000	0.00000	10/13/16	4322
	37.00000	0.00000	10/13/16	4322
	37.00000	0.00000	10/13/16	4322
	37.00000	0.00000	10/13/16	4322
	37.00000	0.00000	10/13/16	4322
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	36.50000	0.00000	10/20/16	4322
	36.50000	0.00000	10/20/16	4322
	36.50000	0.00000	10/20/16	4322
	36.50000	0.00000	10/20/16	4322
	36.50000	0.00000	10/20/16	4322
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	36.50000	0.00000	10/20/16	4322
	36.50000	0.00000	10/27/16	4322
	36.50000	0.00000	10/27/16	4322
	36.50000	0.00000	10/27/16	4322
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	36.50000	0.00000	10/27/16	4322
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	48.23000	0.30000	10/5/16	19045
	48.23000	0.30000	10/6/16	19045
	38.84000	0.22000	10/7/16	19045

	38.84000	0.22000	10/10/16	19045
	48.23000	0.30000	10/10/16	19045
	48.23000	0.30000	10/10/16	19045
	48.23000	0.30000	10/11/16	19045
	48.23000	0.30000	10/12/16	19045
	48.23000	0.30000	10/13/16	19045
	38.84000	0.22000	10/14/16	19045
	38.84000	0.22000	10/17/16	19045
	48.23000	0.30000	10/17/16	19045
	48.23000	0.30000	10/17/16	19045
	48.23000	0.30000	10/18/16	19045
	48.23000	0.30000	10/19/16	19045
	48.23000	0.30000	10/20/16	19045
	38.84000	0.22000	10/21/16	19045
	38.84000	0.22000	10/24/16	19045
	48.23000	0.30000	10/24/16	19045
	48.23000	0.30000	10/24/16	19045
	48.23000	0.30000	10/25/16	19045
	48.23000	0.30000	10/26/16	19045
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	38.84000	0.22000	10/28/16	19045
	38.84000	0.22000	10/31/16	19045
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	52.21000	3.99000	11/1/16	19045
	52.21000	3.99000	11/2/16	19045

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	42.05000	3.19000	11/7/16	19045
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	52.21000	3.99000	11/7/16	19045
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	52.21000	3.99000	11/28/16	19045
	52.21000	3.99000	11/28/16	19045

	52.21000	3.99000	11/29/16	19045
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	51.30000	2.85000	12/1/16	19045
	41.32000	2.27000	12/2/16	19045
	41.32000	2.27000	12/5/16	19045
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	51.30000	2.85000	12/14/16	19045
	51.30000	2.85000	12/15/16	19045
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	41.32000	2.27000	12/23/16	19045
	41.32000	2.27000	12/27/16	19045

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	51.30000	2.85000	12/27/16	19045
	51.30000	2.85000	12/28/16	19045
	51.30000	2.85000	12/29/16	19045
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	51.44000		1/3/17	19045
	51.44000		1/3/17	19045
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	5.21000	-0.10000	10/5/16	4301
	5.21000	-0.10000	10/6/16	4301
	5.21000	-0.10000	10/7/16	4301
	5.21000	-0.10000	10/10/16	4301
	5.21000		10/10/16	4301
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	11.22000	0.00000	11/9/16	5772
	11.26000	0.15000	12/9/16	5772
	12.10000	0.05000	1/9/17	5772
	14.76000	0.05000	2/9/17	5772
	14.79000	0.04000	3/9/17	5772
	14.58000	0.04000	4/10/17	5772
	13.52000	0.01000	5/9/17	5772
	13.35000	0.01000	6/9/17	5772
	13.47000	0.00000	7/10/17	5772

	16.64000	0.00000	8/9/17	5772
	16.67000	0.00000	9/11/17	5772
	13.53000	-0.01000	10/9/17	5772
	13.61000	-0.02000	11/9/17	5772
	13.83000	-0.02000	12/11/17	5772
	14.42000	-0.02000	1/9/18	5772
	15.85000	-0.05000	2/9/18	5772
	15.66000	-0.05000	3/9/18	5772
	15.28000	-0.04000	4/9/18	5772
	13.26000	-0.05000	5/9/18	5772
	13.04000	-0.05000	6/11/18	5772
	13.11000	-0.04000	7/9/18	5772
	16.00000	-0.05000	8/9/18	5772
	16.00000	-0.07000	9/10/18	5772
	13.17000	-0.07000	10/9/18	5772
	13.32000	-0.07000	11/9/18	5772
	13.57000	-0.08000	12/10/18	5772
	14.27000	-0.08000	1/9/19	5772
	12.75000	-0.06000	2/11/19	5772
	12.60000	-0.07000	3/11/19	5772
	12.32000	-0.08000	4/9/19	5772
	10.89000	-0.05000	5/9/19	5772
	10.86000	-0.05000	6/10/19	5772
	10.98000	-0.05000	7/9/19	5772
	13.83000	-0.06000	8/9/19	5772
	13.90000	-0.06000	9/9/19	5772

	11.12000	-0.05000	10/9/19	5772
	11.24000	-0.05000	11/11/19	5772
	11.50000	-0.05000	12/9/19	5772
	12.10000	-0.05000	1/9/20	5772
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	44808.00000	0.00000	10/5/16	5299
	52643.00000	0.00000	10/6/16	5299
	48654.00000	0.00000	10/7/16	5299
	45659.00000	0.00000	10/10/16	5299
	42731.00000	0.00000	10/10/16	5299
	47367.00000	0.00000	10/10/16	5299
	52414.00000	1403.00000	10/11/16	5299
	56100.00000	3373.00000	10/12/16	5299
	58820.00000	2101.00000	10/13/16	5299
	57722.00000	1451.00000	10/14/16	5299
	54046.00000	4100.00000	10/17/16	5299
	46355.00000		10/17/16	5299
	44845.00000		10/17/16	5299
	49855.00000		10/18/16	5299
	37.25000	0.00000	10/7/16	2449
	33.04000	1.34000	11/7/16	2449
	28.11000	0.45000	12/7/16	2449
	29.49000	0.14000	1/9/17	2449
	31.76000	0.10000	2/7/17	2449
	31.85000	0.09000	3/7/17	2449
	33.22000	0.08000	4/7/17	2449

	32.88000	0.03000	5/5/17	2449
	33.62000	0.02000	6/7/17	2449
	37.90000	0.01000	7/10/17	2449
	50.20000	0.00000	8/7/17	2449
	61.89000	-0.02000	9/8/17	2449
	36.14000	0.15000	10/6/17	2449
	29.79000	-0.01000	11/7/17	2449
	31.27000	0.07000	12/7/17	2449
	30.99000	0.06000	1/8/18	2449
	31.01000	-0.10000	2/7/18	2449
	30.75000	-0.10000	3/7/18	2449
	32.43000	-0.10000	4/6/18	2449
	30.69000	-0.10000	5/7/18	2449
	29.50000	-0.11000	6/7/18	2449
	34.66000	-0.10000	7/9/18	2449
	45.48000	-0.15000	8/7/18	2449
	65.49000	-0.30000	9/10/18	2449
	35.04000	-0.15000	10/5/18	2449
	28.97000	-0.15000	11/7/18	2449
	28.47000	-0.15000	12/7/18	2449
	29.01000	-0.14000	1/8/19	2449
	29.01000	-0.15000	2/7/19	2449
	28.69000	-0.17000	3/7/19	2449
	30.31000	-0.18000	4/5/19	2449
	29.13000	-0.12000	5/7/19	2449
	28.98000	-0.12000	6/7/19	2449

	34.40000	-0.14000	7/8/19	2449
	48.04000	-0.22000	8/7/19	2449
	68.01000	-0.28000	9/9/19	2449
	32.26000	-0.13000	10/7/19	2449
	28.19000	-0.11000	11/7/19	2449
	27.78000	-0.11000	12/6/19	2449
	28.32000	-0.11000	1/8/20	2449
	30.79000	0.00000	10/7/16	2450
	29.10000	1.22000	11/7/16	2450
	27.59000	0.45000	12/7/16	2450
	28.28000	0.14000	1/9/17	2450
	31.42000	0.10000	2/7/17	2450
	31.55000	0.09000	3/7/17	2450
	31.11000	0.08000	4/7/17	2450
	30.59000	0.03000	5/5/17	2450
	29.08000	0.02000	6/7/17	2450
	34.91000	0.01000	7/10/17	2450
	43.92000	0.00000	8/7/17	2450
	62.27000	-0.02000	9/8/17	2450
	32.66000	0.15000	10/6/17	2450
	29.18000	-0.01000	11/7/17	2450
	28.48000	0.07000	12/7/17	2450
	28.33000	0.06000	1/8/18	2450
	32.06000	-0.10000	2/7/18	2450
	31.83000	-0.10000	3/7/18	2450
	30.92000	-0.10000	4/6/18	2450

	29.41000	-0.10000	5/7/18	2450
	27.04000	-0.11000	6/7/18	2450
	32.49000	-0.10000	7/9/18	2450
	45.17000	-0.15000	8/7/18	2450
	63.71000	-0.30000	9/10/18	2450
	30.70000	-0.15000	10/5/18	2450
	28.08000	-0.15000	11/7/18	2450
	26.78000	-0.15000	12/7/18	2450
	27.50000	-0.14000	1/8/19	2450
	29.99000	-0.15000	2/7/19	2450
	29.78000	-0.17000	3/7/19	2450
	29.32000	-0.18000	4/5/19	2450
	27.84000	-0.12000	5/7/19	2450
	25.97000	-0.12000	6/7/19	2450
	31.82000	-0.14000	7/8/19	2450
	49.15000	-0.22000	8/7/19	2450
	64.95000	-0.28000	9/9/19	2450
	29.65000	-0.13000	10/7/19	2450
	26.34000	-0.11000	11/7/19	2450
	25.40000	-0.11000	12/6/19	2450
	26.56000	-0.11000	1/8/20	2450
	21.86000	0.00000	10/4/16	551
	24.33000	0.03000	10/5/16	551
	23.05000	0.10000	10/6/16	551
	22.85000	-0.10000	10/7/16	551
	22.85000	-0.10000	10/10/16	551

	17.05000	0.00000	10/10/16	551
	17.05000	0.00000	10/10/16	551
	25.05000	0.10000	10/11/16	551
	25.05000	0.10000	10/12/16	551
	25.05000	0.10000	10/13/16	551
	25.05000	0.10000	10/14/16	551
	25.05000	0.10000	10/17/16	551
	22.36000	0.00000	10/17/16	551
	22.36000	0.00000	10/17/16	551
	28.75000	0.00000	10/18/16	551
	28.75000	0.00000	10/19/16	551
	28.75000	0.00000	10/20/16	551
	28.75000	0.00000	10/21/16	551
	28.75000	0.00000	10/24/16	551
	22.36000	0.00000	10/24/16	551
	22.36000	0.00000	10/24/16	551
	28.95000	0.25000	10/25/16	551
	28.95000	0.25000	10/26/16	551
	28.95000	0.25000	10/27/16	551
	28.95000	0.25000	10/28/16	551
	28.95000	0.25000	10/31/16	551
	22.36000	0.00000	10/31/16	551
	22.36000	0.00000	10/31/16	551
	23.82000	-1.68000	11/1/16	551
	34.80000	0.30000	11/2/16	551
	34.80000	0.30000	11/3/16	551

	34.80000	0.30000	11/4/16	551
	34.80000	0.30000	11/7/16	551
	29.58000	0.25000	11/7/16	551
	29.58000	0.25000	11/7/16	551
	34.80000	0.30000	11/8/16	551
	34.80000	0.30000	11/9/16	551
	34.80000	0.30000	11/10/16	551
	34.80000	0.30000	11/11/16	551
	34.80000	0.30000	11/14/16	551
	29.58000	0.25000	11/14/16	551
	29.58000	0.25000	11/14/16	551
	34.80000	0.30000	11/15/16	551
	34.80000	0.30000	11/16/16	551
	34.80000	0.30000	11/17/16	551
	34.80000	0.30000	11/18/16	551
	34.80000	0.30000	11/21/16	551
	29.58000	0.25000	11/21/16	551
	29.58000	0.25000	11/21/16	551
	34.80000	0.30000	11/22/16	551
	34.80000	0.30000	11/23/16	551
	34.80000	0.30000	11/28/16	551
	29.58000	0.25000	11/28/16	551
	34.80000	0.30000	11/28/16	551
	29.58000	0.25000	11/28/16	551
	29.58000	0.25000	11/28/16	551
	34.80000	0.30000	11/29/16	551

	34.80000	0.30000	11/30/16	551
	34.80000	0.30000	12/1/16	551
	52.35000	0.85000	12/2/16	551
	52.35000	0.85000	12/5/16	551
	44.50000	0.72000	12/5/16	551
	44.50000	0.72000	12/5/16	551
	52.35000	0.85000	12/6/16	551
	52.35000	0.85000	12/7/16	551
	52.35000	0.85000	12/8/16	551
	52.35000	0.85000	12/9/16	551
	52.35000	0.85000	12/12/16	551
	44.50000	0.72000	12/12/16	551
	44.50000	0.72000	12/12/16	551
	52.35000	0.85000	12/13/16	551
	52.35000	0.85000	12/14/16	551
	52.35000	0.85000	12/15/16	551
	52.35000	0.85000	12/16/16	551
	52.35000	0.85000	12/19/16	551
	44.50000	0.72000	12/19/16	551
	44.50000	0.72000	12/19/16	551
	52.35000	0.85000	12/20/16	551
	52.35000	0.85000	12/21/16	551
	52.35000	0.85000	12/22/16	551
	52.35000	0.85000	12/23/16	551
	52.35000	0.85000	12/27/16	551
	44.50000	0.72000	12/27/16	551

	44.50000	0.72000	12/27/16	551
	52.35000	0.85000	12/27/16	551
	52.35000	0.85000	12/28/16	551
	52.35000	0.85000	12/29/16	551
	52.35000	0.85000	12/30/16	551
	52.35000	0.85000	1/3/17	551
	44.50000	0.72000	1/3/17	551
	64.09000	0.81000	1/3/17	551
	64.09000	0.81000	1/3/17	551
	75.40000	0.95000	1/4/17	551
	75.40000	0.95000	1/5/17	551
	75.40000	0.95000	1/6/17	551
	75.40000	0.95000	1/9/17	551
	64.09000	0.81000	1/9/17	551
	64.09000	0.81000	1/9/17	551
	75.40000	0.95000	1/10/17	551
	75.40000	0.95000	1/11/17	551
	75.40000	0.95000	1/12/17	551
	75.40000	0.95000	1/13/17	551
	75.40000	0.95000	1/17/17	551
	64.09000	0.81000	1/17/17	551
	64.09000	0.81000	1/17/17	551
	75.40000	0.95000	1/17/17	551
	75.40000	0.95000	1/18/17	551
	75.40000	0.95000	1/19/17	551
	75.40000	0.95000	1/20/17	551

	75.40000	0.95000	1/23/17	551
	64.09000	0.81000	1/23/17	551
	64.09000	0.81000	1/23/17	551
	75.40000	0.95000	1/24/17	551
	75.40000	0.95000	1/25/17	551
	75.40000	0.95000	1/26/17	551
	75.40000	0.95000	1/27/17	551
	75.40000	0.95000	1/30/17	551
	64.09000	0.81000	1/30/17	551
	64.09000	0.81000	1/30/17	551
	75.40000	0.95000	1/31/17	551
	75.40000	0.95000	2/1/17	551
	74.55000	1.00000	2/2/17	551
	74.55000	1.00000	2/3/17	551
	74.55000	1.00000	2/6/17	551
	63.37000	0.85000	2/6/17	551
	63.37000	0.85000	2/6/17	551
	74.55000	1.00000	2/7/17	551
	74.55000	1.00000	2/8/17	551
	74.55000	1.00000	2/9/17	551
	74.55000	1.00000	2/10/17	551
	74.55000	1.00000	2/13/17	551
	63.37000	0.85000	2/13/17	551
	63.37000	0.85000	2/13/17	551
	74.55000	1.00000	2/14/17	551
	74.55000	1.00000	2/15/17	551

	74.55000	1.00000	2/16/17	551
	74.55000	1.00000	2/17/17	551
	74.55000	1.00000	2/21/17	551
	63.37000	0.85000	2/21/17	551
	63.37000	0.85000	2/21/17	551
	74.55000	1.00000	2/21/17	551
	74.55000	1.00000	2/22/17	551
	74.55000	1.00000	2/23/17	551
	74.55000	1.00000	2/24/17	551
	74.55000	1.00000	2/27/17	551
	63.37000	0.85000	2/27/17	551
	63.37000	0.85000	2/27/17	551
	74.55000	1.00000	2/28/17	551
	74.55000	1.00000	3/1/17	551
	48.90000	0.45000	3/2/17	551
	48.90000	0.45000	3/3/17	551
	48.90000	0.45000	3/6/17	551
	41.57000	0.39000	3/6/17	551
	41.57000	0.39000	3/6/17	551
	48.90000	0.45000	3/7/17	551
	48.90000	0.45000	3/8/17	551
	48.90000	0.45000	3/9/17	551
	48.90000	0.45000	3/10/17	551
	48.90000	0.45000	3/13/17	551
	41.57000	0.39000	3/13/17	551
	41.57000	0.39000	3/13/17	551

	48.90000	0.45000	3/14/17	551
	48.90000	0.45000	3/15/17	551
	48.90000	0.45000	3/16/17	551
	48.90000	0.45000	3/17/17	551
	48.90000	0.45000	3/20/17	551
	41.57000	0.39000	3/20/17	551
	41.57000	0.39000	3/20/17	551
	48.90000	0.45000	3/21/17	551
	48.90000	0.45000	3/22/17	551
	48.90000	0.45000	3/23/17	551
	48.90000	0.45000	3/24/17	551
	48.90000	0.45000	3/27/17	551
	41.57000	0.39000	3/27/17	551
	41.57000	0.39000	3/27/17	551
	48.90000	0.45000	3/28/17	551
	48.90000	0.45000	3/29/17	551
	48.90000	0.45000	3/30/17	551
	48.90000	0.45000	3/31/17	551
	48.90000	0.45000	4/3/17	551
	28.65000	-0.04000	4/3/17	551
	28.65000	-0.04000	4/3/17	551
	33.70000	-0.05000	4/4/17	551
	33.70000	-0.05000	4/5/17	551
	33.70000	-0.05000	4/6/17	551
	33.70000	-0.05000	4/7/17	551
	33.70000	-0.05000	4/10/17	551

	28.65000	-0.04000	4/10/17	551
	28.65000	-0.04000	4/10/17	551
	33.70000	-0.05000	4/11/17	551
	33.70000	-0.05000	4/12/17	551
	33.70000	-0.05000	4/13/17	551
	33.70000	-0.05000	4/17/17	551
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	28.65000	-0.04000	4/17/17	551
	33.70000	-0.05000	4/18/17	551
	33.70000	-0.05000	4/19/17	551
	33.70000	-0.05000	4/20/17	551
	33.70000	-0.05000	4/21/17	551
	33.70000	-0.05000	4/24/17	551
	28.65000	-0.04000	4/24/17	551
	28.65000	-0.04000	4/24/17	551
	33.70000	-0.05000	4/25/17	551
	33.70000	-0.05000	4/26/17	551
	33.70000	-0.05000	4/27/17	551
	33.70000	-0.05000	4/28/17	551
	33.70000	-0.05000	5/1/17	551
	28.65000	-0.04000	5/1/17	551
	28.65000	-0.04000	5/1/17	551
	30.50000	0.00000	5/2/17	551
	30.50000	0.00000	5/3/17	551
	30.50000	0.00000	5/4/17	551

	30.50000	0.00000	5/5/17	551
	30.50000	0.00000	5/8/17	551
	25.93000	0.00000	5/8/17	551
	25.93000	0.00000	5/8/17	551
	30.50000	0.00000	5/9/17	551
	30.50000	0.00000	5/10/17	551
	30.50000	0.00000	5/11/17	551
	30.50000	0.00000	5/12/17	551
	30.50000	0.00000	5/15/17	551
	25.93000	0.00000	5/15/17	551
	25.93000	0.00000	5/15/17	551
	30.50000	0.00000	5/16/17	551
	30.50000	0.00000	5/17/17	551
	30.50000	0.00000	5/18/17	551
	30.50000	0.00000	5/19/17	551
	30.50000	0.00000	5/22/17	551
	25.93000	0.00000	5/22/17	551
	25.93000	0.00000	5/22/17	551
	30.50000	0.00000	5/23/17	551
	30.50000	0.00000	5/24/17	551
	30.50000	0.00000	5/25/17	551
	30.50000	0.00000	5/26/17	551
	30.50000	0.00000	5/30/17	551
	25.93000	0.00000	5/30/17	551
	25.93000	0.00000	5/30/17	551
	25.93000	0.00000	5/30/17	551

	30.50000	0.00000	5/31/17	551
	30.50000	0.00000	6/1/17	551
	32.55000	0.10000	6/2/17	551
	32.55000	0.10000	6/5/17	551
	26.04000	0.08000	6/5/17	551
	26.04000	0.08000	6/5/17	551
	32.55000	0.10000	6/6/17	551
	32.55000	0.10000	6/7/17	551
	32.55000	0.10000	6/8/17	551
	32.55000	0.10000	6/9/17	551
	32.55000	0.10000	6/12/17	551
	26.04000	0.08000	6/12/17	551
	26.04000	0.08000	6/12/17	551
	32.55000	0.10000	6/13/17	551
	32.55000	0.10000	6/14/17	551
	32.55000	0.10000	6/15/17	551
	32.55000	0.10000	6/16/17	551
	32.55000	0.10000	6/19/17	551
	26.04000	0.08000	6/19/17	551
	26.04000	0.08000	6/19/17	551
	32.55000	0.10000	6/20/17	551
	32.55000	0.10000	6/21/17	551
	32.55000	0.10000	6/22/17	551
	32.55000	0.10000	6/23/17	551
	32.55000	0.10000	6/26/17	551
	26.04000	0.08000	6/26/17	551

	26.04000	0.08000	6/26/17	551
	32.55000	0.10000	6/27/17	551
	32.55000	0.10000	6/28/17	551
	32.55000		6/29/17	551
	32.55000		6/30/17	551
	32.55000		7/3/17	551
	33.60000	0.00000	10/7/16	2451
	31.21000	3.11000	11/7/16	2451
	29.95000	0.45000	12/7/16	2451
	31.53000	0.14000	1/9/17	2451
	31.37000	0.10000	2/7/17	2451
	31.50000	0.09000	3/7/17	2451
	32.73000	0.08000	4/7/17	2451
	32.10000	0.03000	5/5/17	2451
	31.28000	0.02000	6/7/17	2451
	36.07000	0.01000	7/10/17	2451
	46.75000	0.00000	8/7/17	2451
	61.02000	-0.02000	9/8/17	2451
	33.90000	0.15000	10/6/17	2451
	30.07000	-0.01000	11/7/17	2451
	29.81000	0.07000	12/7/17	2451
	29.67000	0.06000	1/8/18	2451
	31.87000	-0.10000	2/7/18	2451
	31.58000	-0.10000	3/7/18	2451
	32.54000	-0.10000	4/6/18	2451
	30.33000	-0.10000	5/7/18	2451

	28.71000	-0.11000	6/7/18	2451
	34.05000	-0.10000	7/9/18	2451
	44.84000	-0.15000	8/7/18	2451
	65.21000	-0.30000	9/10/18	2451
	33.96000	-0.15000	10/5/18	2451
	28.91000	-0.15000	11/7/18	2451
	28.40000	-0.15000	12/7/18	2451
	28.95000	-0.14000	1/8/19	2451
	29.04000	-0.15000	2/7/19	2451
	28.72000	-0.17000	3/7/19	2451
	30.36000	-0.18000	4/5/19	2451
	28.45000	-0.12000	5/7/19	2451
	28.18000	-0.12000	6/7/19	2451
	33.49000	-0.14000	7/8/19	2451
	46.88000	-0.22000	8/7/19	2451
	66.79000	-0.28000	9/9/19	2451
	30.96000	-0.13000	10/7/19	2451
	27.79000	-0.11000	11/7/19	2451
	27.39000	-0.11000	12/6/19	2451
	27.92000	-0.11000	1/8/20	2451
	31.68000	0.00000	10/7/16	2452
	26.89000	1.39000	11/7/16	2452
	26.08000	0.45000	12/7/16	2452
	26.29000	0.14000	1/9/17	2452
	31.42000	0.10000	2/7/17	2452
	31.54000	0.09000	3/7/17	2452

	30.90000	0.08000	4/7/17	2452
	28.91000	0.03000	5/5/17	2452
	28.03000	0.02000	6/7/17	2452
	34.12000	0.01000	7/10/17	2452
	43.21000	0.00000	8/7/17	2452
	62.74000	-0.02000	9/8/17	2452
	31.99000	0.15000	10/6/17	2452
	27.86000	-0.01000	11/7/17	2452
	27.64000	0.07000	12/7/17	2452
	27.46000	0.06000	1/8/18	2452
	31.08000	-0.10000	2/7/18	2452
	30.88000	-0.10000	3/7/18	2452
	30.54000	-0.10000	4/6/18	2452
	27.31000	-0.10000	5/7/18	2452
	25.95000	-0.11000	6/7/18	2452
	31.62000	-0.10000	7/9/18	2452
	45.46000	-0.15000	8/7/18	2452
	64.70000	-0.30000	9/10/18	2452
	31.94000	-0.15000	10/5/18	2452
	26.54000	-0.15000	11/7/18	2452
	26.07000	-0.15000	12/7/18	2452
	26.56000	-0.14000	1/8/19	2452
	28.19000	-0.15000	2/7/19	2452
	27.90000	-0.17000	3/7/19	2452
	27.63000	-0.18000	4/5/19	2452
	25.31000	-0.12000	5/7/19	2452

	25.18000	-0.12000	6/7/19	2452
	30.87000	-0.14000	7/8/19	2452
	47.43000	-0.22000	8/7/19	2452
	67.02000	-0.28000	9/9/19	2452
	28.93000	-0.13000	10/7/19	2452
	25.52000	-0.11000	11/7/19	2452
	25.15000	-0.11000	12/6/19	2452
	25.62000	-0.11000	1/8/20	2452
	22.79000	0.00000	10/4/16	1621
	21.99000	0.00000	10/5/16	1621
	34.69000	0.00000	10/6/16	1621
	23.96000	0.00000	10/7/16	1621
	22.50000	0.00000	10/10/16	1621
	20.40000	0.00000	10/10/16	1621
	21.70000	0.00000	10/10/16	1621
	22.92000	0.57000	10/11/16	1621
	34.40000	6.40000	10/12/16	1621
	37.00000	2.50000	10/13/16	1621
	35.00000	0.50000	10/14/16	1621
	35.00000	0.50000	10/17/16	1621
	26.59000	0.68000	10/17/16	1621
	26.59000	0.68000	10/17/16	1621
	35.50000	1.25000	10/18/16	1621
	35.50000	1.25000	10/19/16	1621
	35.50000	1.25000	10/20/16	1621
	35.50000	1.25000	10/21/16	1621

	35.50000	1.25000	10/24/16	1621
	26.59000	0.68000	10/24/16	1621
	26.59000	0.68000	10/24/16	1621
	31.89000	0.93000	10/25/16	1621
	31.89000	0.93000	10/26/16	1621
	31.89000	0.93000	10/27/16	1621
	31.89000	0.93000	10/28/16	1621
	31.89000	0.93000	10/31/16	1621
	26.59000	0.68000	10/31/16	1621
	26.59000	0.68000	10/31/16	1621
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	25.07000	0.12000	12/12/16	1621

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	23.19000	0.68000	10/14/16	3964
	30.50000	1.25000	10/17/16	3964
	30.50000	1.25000	10/18/16	3964
	30.50000	1.25000	10/19/16	3964
	30.50000	1.25000	10/20/16	3964
	30.50000	1.25000	10/21/16	3964
	23.19000	0.68000	10/21/16	3964
	23.19000	0.68000	10/21/16	3964
	29.50000	2.23000	10/24/16	3964
	29.50000	2.23000	10/25/16	3964
	29.50000	2.23000	10/26/16	3964
	29.50000	2.23000	10/27/16	3964
	29.50000	2.23000	10/28/16	3964
	23.19000	0.68000	10/28/16	3964
	23.19000	0.68000	10/28/16	3964
	26.97000	-0.30000	10/31/16	3964

	26.97000	-0.30000	11/1/16	3964
	26.97000	-0.30000	11/2/16	3964
	26.97000	-0.30000	11/3/16	3964
	26.97000	-0.30000	11/4/16	3964
	23.19000	0.68000	11/4/16	3964
	23.19000	0.68000	11/4/16	3964
	26.97000	-0.30000	11/7/16	3964
	27.24000	0.45000	11/8/16	3964
	27.24000	0.45000	11/9/16	3964
	27.24000	0.45000	11/10/16	3964
	27.24000	0.45000	11/11/16	3964
	23.15000	0.38000	11/11/16	3964
	23.15000	0.38000	11/11/16	3964
	27.24000	0.45000	11/14/16	3964
	27.24000	0.45000	11/15/16	3964
	27.24000	0.45000	11/16/16	3964
	27.24000	0.45000	11/17/16	3964
	27.24000	0.45000	11/18/16	3964
	23.15000	0.38000	11/18/16	3964
	23.15000	0.38000	11/18/16	3964
	27.24000	0.45000	11/21/16	3964
	27.24000	0.45000	11/22/16	3964
	27.24000	0.45000	11/23/16	3964
	27.24000	0.45000	11/28/16	3964
	27.24000	0.45000	11/29/16	3964
	23.15000	0.38000	11/29/16	3964

	23.15000	0.38000	11/29/16	3964
	27.24000	0.45000	11/30/16	3964
	27.24000	0.45000	12/1/16	3964
	27.24000	0.45000	12/2/16	3964
	23.15000	0.38000	12/2/16	3964
	27.24000	0.45000	12/2/16	3964
	23.15000	0.38000	12/2/16	3964
	23.15000	0.38000	12/2/16	3964
	27.24000	0.45000	12/5/16	3964
	27.24000	0.45000	12/6/16	3964
	27.24000	0.45000	12/7/16	3964
	27.93000	0.14000	12/8/16	3964
	27.93000	0.14000	12/9/16	3964
	23.74000	0.12000	12/9/16	3964
	23.74000	0.12000	12/9/16	3964
	27.93000	0.14000	12/12/16	3964
	27.93000	0.14000	12/13/16	3964
	27.93000	0.14000	12/14/16	3964
	27.93000	0.14000	12/15/16	3964
	27.93000	0.14000	12/16/16	3964
	23.74000	0.12000	12/16/16	3964
	23.74000	0.12000	12/16/16	3964
	27.93000	0.14000	12/19/16	3964
	27.93000	0.14000	12/20/16	3964
	27.93000	0.14000	12/21/16	3964
	27.93000	0.14000	12/22/16	3964

	27.93000	0.14000	12/23/16	3964
	23.74000	0.12000	12/23/16	3964
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	27.93000	0.14000	12/27/16	3964
	27.93000	0.14000	12/28/16	3964
	27.93000	0.14000	12/29/16	3964
	27.93000	0.14000	12/30/16	3964
	27.93000	0.14000	1/3/17	3964
	23.74000	0.12000	1/3/17	3964
	23.74000	0.12000	1/3/17	3964
	23.74000	0.12000	1/3/17	3964
	27.93000	0.14000	1/4/17	3964
	27.93000	0.14000	1/5/17	3964
	27.93000	0.14000	1/6/17	3964
	27.93000	0.14000	1/9/17	3964
	23.74000	0.12000	1/9/17	3964
	26.41000	0.09000	1/9/17	3964
	26.41000	0.09000	1/9/17	3964
	31.07000	0.10000	1/10/17	3964
	31.07000	0.10000	1/11/17	3964
	31.07000	0.10000	1/12/17	3964
	31.07000	0.10000	1/13/17	3964
	26.41000	0.09000	1/13/17	3964
	26.41000	0.09000	1/13/17	3964
	31.07000	0.10000	1/17/17	3964
	31.07000	0.10000	1/18/17	3964

	31.07000	0.10000	1/19/17	3964
	31.07000	0.10000	1/20/17	3964
	31.07000	0.10000	1/23/17	3964
	26.41000	0.09000	1/23/17	3964
	26.41000	0.09000	1/23/17	3964
	31.07000	0.10000	1/23/17	3964
	31.07000	0.10000	1/24/17	3964
	31.07000	0.10000	1/25/17	3964
	31.07000	0.10000	1/26/17	3964
	31.07000	0.10000	1/27/17	3964
	26.41000	0.09000	1/27/17	3964
	26.41000	0.09000	1/27/17	3964
	31.07000	0.10000	1/30/17	3964
	31.07000	0.10000	1/31/17	3964
	31.07000	0.10000	2/1/17	3964
	31.07000	0.10000	2/2/17	3964
	31.07000	0.10000	2/3/17	3964
	26.41000	0.09000	2/3/17	3964
	26.41000	0.09000	2/3/17	3964
	31.07000	0.10000	2/6/17	3964
	31.07000	0.10000	2/7/17	3964
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	31.20000	0.09000	2/9/17	3964
	31.20000	0.09000	2/10/17	3964
	26.52000	0.08000	2/10/17	3964
	26.52000	0.08000	2/10/17	3964

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	31.20000	0.09000	2/15/17	3964
	31.20000	0.09000	2/16/17	3964
	31.20000	0.09000	2/17/17	3964
	26.52000	0.08000	2/17/17	3964
	26.52000	0.08000	2/17/17	3964
	31.20000	0.09000	2/21/17	3964
	31.20000	0.09000	2/22/17	3964
	31.20000	0.09000	2/23/17	3964
	31.20000	0.09000	2/24/17	3964
	31.20000	0.09000	2/27/17	3964
	26.52000	0.08000	2/27/17	3964
	26.52000	0.08000	2/27/17	3964
	31.20000	0.09000	2/27/17	3964
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	31.20000	0.09000	3/2/17	3964
	31.20000	0.09000	3/3/17	3964
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	26.52000	0.08000	3/3/17	3964
	31.20000	0.09000	3/6/17	3964
	31.20000	0.09000	3/7/17	3964
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	30.76000	0.08000	3/9/17	3964
	30.76000	0.08000	3/10/17	3964

	26.15000	0.07000	3/10/17	3964
	26.15000	0.07000	3/10/17	3964
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	30.76000	0.08000	3/14/17	3964
	30.76000	0.08000	3/15/17	3964
	30.76000	0.08000	3/16/17	3964
	30.76000	0.08000	3/17/17	3964
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	26.15000	0.07000	3/17/17	3964
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	30.76000	0.08000	3/22/17	3964
	30.76000	0.08000	3/23/17	3964
	30.76000	0.08000	3/24/17	3964
	26.15000	0.07000	3/24/17	3964
	26.15000	0.07000	3/24/17	3964
	30.76000	0.08000	3/27/17	3964
	30.76000	0.08000	3/28/17	3964
	30.76000	0.08000	3/29/17	3964
	30.76000	0.08000	3/30/17	3964
	30.76000	0.08000	3/31/17	3964
	26.15000	0.07000	3/31/17	3964
	26.15000	0.07000	3/31/17	3964
	30.76000	0.08000	4/3/17	3964
	30.76000	0.08000	4/4/17	3964
	30.76000	0.08000	4/5/17	3964

	30.76000	0.08000	4/6/17	3964
	30.76000	0.08000	4/7/17	3964
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	25.70000	0.02000	4/7/17	3964
	30.24000	0.03000	4/10/17	3964
	30.24000	0.03000	4/11/17	3964
	30.24000	0.03000	4/12/17	3964
	30.24000	0.03000	4/13/17	3964
	30.24000	0.03000	4/17/17	3964
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	25.70000	0.02000	4/17/17	3964
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	30.24000	0.03000	4/19/17	3964
	30.24000	0.03000	4/20/17	3964
	30.24000	0.03000	4/21/17	3964
	30.24000	0.03000	4/21/17	3964
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	25.70000	0.02000	4/21/17	3964
	30.24000	0.03000	4/24/17	3964
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	30.24000	0.03000	4/27/17	3964
	30.24000	0.03000	4/28/17	3964
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	25.70000	0.02000	4/28/17	3964
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	30.24000	0.03000	5/3/17	3964
	30.24000	0.03000	5/4/17	3964
	30.24000	0.03000	5/5/17	3964
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	25.70000	0.02000	5/5/17	3964
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	28.73000	0.02000	5/10/17	3964
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	28.73000	0.02000	5/17/17	3964
	28.73000	0.02000	5/18/17	3964
	28.73000	0.02000	5/19/17	3964
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	24.42000	0.02000	5/19/17	3964
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	28.73000	0.02000	5/24/17	3964
	28.73000	0.02000	5/25/17	3964
	28.73000	0.02000	5/26/17	3964
	24.42000	0.02000	5/26/17	3964

	24.42000	0.02000	5/26/17	3964
	28.73000	0.02000	5/30/17	3964
	28.73000	0.02000	5/31/17	3964
	28.73000	0.02000	6/1/17	3964
	28.73000	0.02000	6/2/17	3964
	28.73000	0.02000	6/5/17	3964
	24.42000	0.02000	6/5/17	3964
	24.42000	0.02000	6/5/17	3964
	24.42000	0.02000	6/5/17	3964
	28.73000	0.02000	6/6/17	3964
	28.73000	0.02000	6/7/17	3964
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	34.56000	0.01000	6/9/17	3964
	29.38000	0.01000	6/9/17	3964
	29.38000	0.01000	6/9/17	3964
	34.56000	0.01000	6/12/17	3964
	34.56000	0.01000	6/13/17	3964
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	34.56000	0.01000	6/15/17	3964
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	29.38000	0.01000	6/16/17	3964
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	34.56000	0.01000	6/22/17	3964

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	37.03000	0.00000	8/4/17	3964
	37.03000	0.00000	8/4/17	3964
	43.57000	0.00000	8/7/17	3964
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	52.63000	-0.02000	8/11/17	3964

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	61.92000	-0.02000	9/7/17	3964
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	27.46000	0.12000	9/15/17	3964
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	32.31000	0.15000	10/3/17	3964
	32.31000	0.15000	10/4/17	3964

	32.31000	0.15000	10/5/17	3964
	32.31000	0.15000	10/6/17	3964
	27.46000	0.12000	10/6/17	3964
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	28.83000	-0.01000	10/11/17	3964
	28.83000	-0.01000	10/12/17	3964
	28.83000	-0.01000	10/13/17	3964
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	24.51000	0.00000	10/27/17	3964
	28.83000	-0.01000	10/30/17	3964

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	28.83000	-0.01000	11/2/17	3964
	28.83000	-0.01000	11/3/17	3964
	24.51000	0.00000	11/3/17	3964
	24.51000	0.00000	11/3/17	3964
	28.83000	-0.01000	11/6/17	3964
	28.83000	-0.01000	11/7/17	3964
	28.13000	0.07000	11/8/17	3964
	28.13000	0.07000	11/9/17	3964
	28.13000	0.07000	11/10/17	3964
	23.91000	0.06000	11/10/17	3964
	23.91000	0.06000	11/10/17	3964
	28.13000	0.07000	11/13/17	3964
	28.13000	0.07000	11/14/17	3964
	28.13000	0.07000	11/15/17	3964
	28.13000	0.07000	11/16/17	3964
	28.13000	0.07000	11/17/17	3964
	23.91000	0.06000	11/17/17	3964
	23.91000	0.06000	11/17/17	3964
	28.13000	0.07000	11/20/17	3964
	28.13000	0.07000	11/21/17	3964
	28.13000	0.07000	11/22/17	3964
	28.13000	0.07000	11/27/17	3964
	28.13000	0.07000	11/28/17	3964
	23.91000	0.06000	11/28/17	3964

	23.91000	0.06000	11/28/17	3964
	28.13000	0.07000	11/29/17	3964
	28.13000	0.07000	11/30/17	3964
	28.13000	0.07000	12/1/17	3964
	23.91000	0.06000	12/1/17	3964
	28.13000	0.07000	12/1/17	3964
	23.91000	0.06000	12/1/17	3964
	23.91000	0.06000	12/1/17	3964
	28.13000	0.07000	12/4/17	3964
	28.13000	0.07000	12/5/17	3964
	28.13000	0.07000	12/6/17	3964
	28.13000	0.07000	12/7/17	3964
	27.98000	0.06000	12/8/17	3964
	23.78000	0.05000	12/8/17	3964
	23.78000	0.05000	12/8/17	3964
	27.98000	0.06000	12/11/17	3964
	27.98000	0.06000	12/12/17	3964
	27.98000	0.06000	12/13/17	3964
	27.98000	0.06000	12/14/17	3964
	27.98000	0.06000	12/15/17	3964
	23.78000	0.05000	12/15/17	3964
	23.78000	0.05000	12/15/17	3964
	27.98000	0.06000	12/18/17	3964
	27.98000	0.06000	12/19/17	3964
	27.98000	0.06000	12/20/17	3964
	27.98000	0.06000	12/21/17	3964

	27.98000	0.06000	12/22/17	3964
	23.78000	0.05000	12/22/17	3964
	23.78000	0.05000	12/22/17	3964
	27.98000	0.06000	12/26/17	3964
	27.98000	0.06000	12/27/17	3964
	27.98000	0.06000	12/28/17	3964
	27.98000	0.06000	12/29/17	3964
	27.98000	0.06000	1/2/18	3964
	23.78000	0.05000	1/2/18	3964
	23.78000	0.05000	1/2/18	3964
	23.78000	0.05000	1/2/18	3964
	27.98000	0.06000	1/3/18	3964
	27.98000	0.06000	1/4/18	3964
	27.98000	0.06000	1/5/18	3964
	27.98000	0.06000	1/8/18	3964
	23.78000	0.05000	1/8/18	3964
	23.78000	0.05000	1/8/18	3964
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	4.96000	0.00000	11/9/16	15978
	4.98000	0.07000	12/9/16	15978
	5.35000	0.02000	1/9/17	15978
	3.98000	0.01000	2/9/17	15978
	3.99000	0.01000	3/9/17	15978
	3.93000	0.01000	4/10/17	15978
	3.65000	0.01000	5/9/17	15978
	3.60000	0.00000	6/9/17	15978

	3.63000	0.00000	7/10/17	15978
	5.19000	0.00000	8/9/17	15978
	5.20000	0.00000	9/11/17	15978
	3.65000	0.00000	10/9/17	15978
	3.98000	0.00000	11/9/17	15978
	4.04000	-0.01000	12/11/17	15978
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	5.37000	-0.02000	3/9/18	15978
	5.24000	-0.02000	4/9/18	15978
	4.55000	-0.02000	5/9/18	15978
	4.47000	-0.02000	6/11/18	15978
	4.50000	-0.01000	7/9/18	15978
	6.34000	-0.02000	8/9/18	15978
	6.34000	-0.03000	9/10/18	15978
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	4.88000	-0.03000	11/9/18	15978
	4.97000	-0.03000	12/10/18	15978
	5.23000	-0.02000	1/9/19	15978
	5.07000	-0.02000	2/11/19	15978
	5.01000	-0.03000	3/11/19	15978
	4.90000	-0.03000	4/9/19	15978
	4.33000	-0.02000	5/9/19	15978
	4.32000	-0.02000	6/10/19	15978
	4.37000	-0.01000	7/9/19	15978
	6.18000	-0.03000	8/9/19	15978

	6.21000	-0.03000	9/9/19	15978
	4.42000	-0.02000	10/9/19	15978
	4.77000	-0.02000	11/11/19	15978
	4.88000	-0.02000	12/9/19	15978
	5.13000	-0.03000	1/9/20	15978
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	32.98000	1.28000	11/7/16	542
	28.11000	0.45000	12/7/16	542
	29.49000	0.14000	1/9/17	542
	31.76000	0.10000	2/7/17	542
	31.85000	0.09000	3/7/17	542
	33.22000	0.08000	4/7/17	542
	32.88000	0.03000	5/5/17	542
	33.62000	0.02000	6/7/17	542
	37.90000	0.01000	7/10/17	542
	50.20000	0.00000	8/7/17	542
	61.89000	-0.02000	9/8/17	542
	36.14000	0.15000	10/6/17	542
	29.79000	-0.01000	11/7/17	542
	31.27000	0.07000	12/7/17	542
	30.99000	0.06000	1/8/18	542
	31.01000	-0.10000	2/7/18	542
	30.75000	-0.10000	3/7/18	542
	32.43000	-0.10000	4/6/18	542
	30.69000	-0.10000	5/7/18	542
	29.50000	-0.11000	6/7/18	542

	34.66000	-0.10000	7/9/18	542
	45.48000	-0.15000	8/7/18	542
	65.49000	-0.30000	9/10/18	542
	35.04000	-0.15000	10/5/18	542
	28.97000	-0.15000	11/7/18	542
	28.47000	-0.15000	12/7/18	542
	29.01000	-0.14000	1/8/19	542
	29.01000	-0.15000	2/7/19	542
	28.69000	-0.17000	3/7/19	542
	30.31000	-0.18000	4/5/19	542
	29.13000	-0.12000	5/7/19	542
	28.98000	-0.12000	6/7/19	542
	34.40000	-0.14000	7/8/19	542
	48.04000	-0.22000	8/7/19	542
	68.01000	-0.28000	9/9/19	542
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	28.19000	-0.11000	11/7/19	542
	27.78000	-0.11000	12/6/19	542
	28.32000	-0.11000	1/8/20	542
	30.07000	-0.14000	2/7/20	542
	29.85000	-0.14000	3/6/20	542
	30.97000	-0.14000	4/7/20	542
	30.19000	-0.20000	5/7/20	542
	29.38000	-0.19000	6/5/20	542
	35.05000	-0.23000	7/8/20	542
	49.57000	-0.33000	8/7/20	542

	69.13000	-0.47000	9/8/20	542
	33.23000	-0.21000	10/7/20	542
	29.00000	-0.19000	11/6/20	542
	28.62000	-0.18000	12/7/20	542
	29.21000	-0.17000	1/8/21	542
	31.49000	-0.19000	2/5/21	542
	31.22000	-0.19000	3/5/21	542
	32.42000	-0.19000	4/8/21	542
	31.85000	-0.20000	5/7/21	542
	30.96000	-0.19000	6/7/21	542
	36.96000	-0.23000	7/8/21	542
	49.30000	-0.32000	8/6/21	542
	68.68000	-0.45000	9/8/21	542
	34.91000	-0.21000	10/7/21	542
	30.44000	-0.19000	11/5/21	542
	30.14000	-0.18000	12/7/21	542
	30.90000	-0.18000	1/7/22	542
	32.08000	-0.20000	2/7/22	542
	31.85000	-0.20000	3/7/22	542
	33.08000	-0.21000	4/7/22	542
	32.88000	-0.27000	5/6/22	542
	31.95000	-0.26000	6/7/22	542
	38.21000	-0.31000	7/8/22	542
	51.01000	-0.43000	8/5/22	542
	71.09000	-0.59000	9/8/22	542
	35.97000	-0.28000	10/7/22	542

	31.33000	-0.25000	11/7/22	542
	31.07000	-0.24000	12/7/22	542
	31.76000	-0.24000	1/9/23	542
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	14.61000	0.00000	11/9/16	15979
	14.67000	0.20000	12/9/16	15979
	15.60000	0.07000	1/9/17	15979
	12.31000	0.04000	2/9/17	15979
	12.33000	0.04000	3/9/17	15979
	12.15000	0.03000	4/10/17	15979
	11.27000	0.01000	5/9/17	15979
	11.13000	0.01000	6/9/17	15979
	11.23000	0.00000	7/10/17	15979
	14.23000	0.00000	8/9/17	15979
	14.25000	0.00000	9/11/17	15979
	11.28000	-0.01000	10/9/17	15979
	11.62000	-0.02000	11/9/17	15979
	11.81000	-0.02000	12/11/17	15979
	12.31000	-0.02000	1/9/18	15979
	12.05000	-0.03000	2/9/18	15979
	11.90000	-0.04000	3/9/18	15979
	11.61000	-0.04000	4/9/18	15979
	10.08000	-0.04000	5/9/18	15979
	9.91000	-0.04000	6/11/18	15979
	9.96000	-0.03000	7/9/18	15979
	12.69000	-0.04000	8/9/18	15979

	12.69000	-0.06000	9/10/18	15979
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	10.37000	-0.06000	11/9/18	15979
	10.57000	-0.06000	12/10/18	15979
	11.11000	-0.06000	1/9/19	15979
	11.22000	-0.06000	2/11/19	15979
	11.09000	-0.06000	3/11/19	15979
	10.85000	-0.07000	4/9/19	15979
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	9.56000	-0.04000	6/10/19	15979
	9.67000	-0.04000	7/9/19	15979
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	9.79000	-0.05000	10/9/19	15979
	10.14000	-0.05000	11/11/19	15979
	10.38000	-0.05000	12/9/19	15979
	10.92000	-0.04000	1/9/20	15979
	4.05000	0.00000	10/10/16	15980
	8.04000	0.00000	11/9/16	15980
	8.07000	0.11000	12/9/16	15980
	8.61000	0.04000	1/9/17	15980
	9.45000	0.03000	2/9/17	15980
	9.47000	0.03000	3/9/17	15980
	9.34000	0.03000	4/10/17	15980
	8.66000	0.01000	5/9/17	15980
	8.55000	0.01000	6/9/17	15980

	8.63000	0.00000	7/10/17	15980
	10.99000	0.00000	8/9/17	15980
	11.01000	0.00000	9/11/17	15980
	8.67000	0.00000	10/9/17	15980
	8.93000	-0.01000	11/9/17	15980
	9.08000	-0.01000	12/11/17	15980
	9.46000	-0.02000	1/9/18	15980
	9.51000	-0.03000	2/9/18	15980
	9.40000	-0.02000	3/9/18	15980
	9.17000	-0.02000	4/9/18	15980
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	7.82000	-0.03000	6/11/18	15980
	7.86000	-0.03000	7/9/18	15980
	10.02000	-0.03000	8/9/18	15980
	10.02000	-0.04000	9/10/18	15980
	7.90000	-0.04000	10/9/18	15980
	8.19000	-0.04000	11/9/18	15980
	8.34000	-0.05000	12/10/18	15980
	8.77000	-0.05000	1/9/19	15980
	8.86000	-0.05000	2/11/19	15980
	8.76000	-0.05000	3/11/19	15980
	8.57000	-0.05000	4/9/19	15980
	7.57000	-0.03000	5/9/19	15980
	7.55000	-0.03000	6/10/19	15980
	7.63000	-0.04000	7/9/19	15980
	9.76000	-0.05000	8/9/19	15980

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	7.73000	-0.04000	10/9/19	15980
	8.00000	-0.04000	11/11/19	15980
	8.19000	-0.04000	12/9/19	15980
	8.62000	-0.03000	1/9/20	15980
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	28.89000	1.23000	11/7/16	543
	27.24000	0.45000	12/7/16	543
	27.93000	0.14000	1/9/17	543
	31.07000	0.10000	2/7/17	543
	31.20000	0.09000	3/7/17	543
	30.76000	0.08000	4/7/17	543
	30.24000	0.03000	5/5/17	543
	28.73000	0.02000	6/7/17	543
	34.56000	0.01000	7/10/17	543
	43.57000	0.00000	8/7/17	543
	61.92000	-0.02000	9/8/17	543
	32.31000	0.15000	10/6/17	543
	28.83000	-0.01000	11/7/17	543
	28.13000	0.07000	12/7/17	543
	27.98000	0.06000	1/8/18	543
	31.71000	-0.10000	2/7/18	543
	31.48000	-0.10000	3/7/18	543
	30.57000	-0.10000	4/6/18	543
	29.06000	-0.10000	5/7/18	543
	26.69000	-0.11000	6/7/18	543

	32.14000	-0.10000	7/9/18	543
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	28.97000	-0.18000	4/5/19	543
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	25.99000	-0.11000	11/7/19	543
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	26.21000	-0.11000	1/8/20	543
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	29.90000	-0.14000	4/7/20	543
	27.44000	-0.20000	5/7/20	543
	26.54000	-0.19000	6/5/20	543
	32.03000	-0.23000	7/7/20	543
	47.95000	-0.33000	8/7/20	543

	67.54000	-0.47000	9/8/20	543
	30.17000	-0.21000	10/7/20	543
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	27.68000	-0.17000	1/8/21	543
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	31.21000	-0.19000	4/8/21	543
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	47.47000	-0.32000	8/6/21	543
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	29.22000	-0.18000	1/7/22	543
	31.63000	-0.20000	2/7/22	543
	31.41000	-0.20000	3/7/22	543
	31.49000	-0.21000	4/7/22	543
	29.53000	-0.27000	5/6/22	543
	28.52000	-0.26000	6/7/22	543
	34.50000	-0.31000	7/8/22	543
	48.60000	-0.43000	8/5/22	543
	68.43000	-0.59000	9/8/22	543
	32.25000	-0.28000	10/7/22	543

	29.30000	-0.25000	11/7/22	543
	29.07000	-0.24000	12/7/22	543
	29.71000	-0.24000	1/9/23	543
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	29.56000	1.46000	11/7/16	544
	28.45000	0.45000	12/7/16	544
	30.03000	0.14000	1/9/17	544
	31.37000	0.10000	2/7/17	544
	31.50000	0.09000	3/7/17	544
	32.73000	0.08000	4/7/17	544
	32.10000	0.03000	5/5/17	544
	31.28000	0.02000	6/7/17	544
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	61.02000	-0.02000	9/8/17	544
	33.90000	0.15000	10/6/17	544
	30.07000	-0.01000	11/7/17	544
	29.81000	0.07000	12/7/17	544
	29.67000	0.06000	1/8/18	544
	31.87000	-0.10000	2/7/18	544
	31.58000	-0.10000	3/7/18	544
	32.54000	-0.10000	4/6/18	544
	30.33000	-0.10000	5/7/18	544
	28.71000	-0.11000	6/7/18	544
	34.05000	-0.10000	7/9/18	544
	44.84000	-0.15000	8/7/18	544

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	33.96000	-0.15000	10/5/18	544
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	28.40000	-0.15000	12/7/18	544
	28.95000	-0.14000	1/8/19	544
	29.04000	-0.15000	2/7/19	544
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	30.36000	-0.18000	4/5/19	544
	28.45000	-0.12000	5/7/19	544
	28.18000	-0.12000	6/7/19	544
	33.49000	-0.14000	7/8/19	544
	46.88000	-0.22000	8/7/19	544
	66.79000	-0.28000	9/9/19	544
	30.96000	-0.13000	10/7/19	544
	27.79000	-0.11000	11/7/19	544
	27.39000	-0.11000	12/6/19	544
	27.92000	-0.11000	1/8/20	544
	30.38000	-0.14000	2/7/20	544
	30.12000	-0.14000	3/6/20	544
	30.90000	-0.14000	4/7/20	544
	29.41000	-0.20000	5/7/20	544
	28.28000	-0.19000	6/5/20	544
	33.82000	-0.23000	7/8/20	544
	48.18000	-0.33000	8/7/20	544
	67.67000	-0.47000	9/8/20	544
	31.54000	-0.21000	10/7/20	544

	28.31000	-0.19000	11/6/20	544
	27.95000	-0.18000	12/7/20	544
	28.52000	-0.17000	1/8/21	544
	31.56000	-0.19000	2/5/21	544
	31.25000	-0.19000	3/5/21	544
	32.09000	-0.19000	4/8/21	544
	30.79000	-0.20000	5/7/21	544
	29.58000	-0.19000	6/7/21	544
	35.40000	-0.23000	7/8/21	544
	48.27000	-0.32000	8/6/21	544
	67.41000	-0.45000	9/8/21	544
	32.89000	-0.21000	10/7/21	544
	29.49000	-0.19000	11/5/21	544
	29.20000	-0.18000	12/7/21	544
	29.94000	-0.18000	1/7/22	544
	31.88000	-0.20000	2/7/22	544
	31.61000	-0.20000	3/7/22	544
	32.46000	-0.21000	4/7/22	544
	31.52000	-0.27000	5/6/22	544
	30.27000	-0.26000	6/7/22	544
	36.29000	-0.31000	7/8/22	544
	49.20000	-0.43000	8/5/22	544
	68.86000	-0.59000	9/8/22	544
	33.60000	-0.28000	10/7/22	544
	30.09000	-0.25000	11/7/22	544
	29.85000	-0.24000	12/7/22	544

	30.51000	-0.24000	1/9/23	544
	29.60000	0.00000	10/7/16	1620
	26.87000	1.37000	11/7/16	1620
	26.08000	0.45000	12/7/16	1620
	26.30000	0.14000	1/9/17	1620
	31.42000	0.10000	2/7/17	1620
	31.54000	0.09000	3/7/17	1620
	30.90000	0.08000	4/7/17	1620
	28.91000	0.03000	5/5/17	1620
	28.03000	0.02000	6/7/17	1620
	34.12000	0.01000	7/10/17	1620
	43.21000	0.00000	8/7/17	1620
	62.74000	-0.02000	9/8/17	1620
	31.99000	0.15000	10/6/17	1620
	27.86000	-0.01000	11/7/17	1620
	27.64000	0.07000	12/7/17	1620
	27.46000	0.06000	1/8/18	1620
	31.08000	-0.10000	2/7/18	1620
	30.88000	-0.10000	3/7/18	1620
	30.54000	-0.10000	4/6/18	1620
	27.31000	-0.10000	5/7/18	1620
	25.95000	-0.11000	6/7/18	1620
	31.62000	-0.10000	7/9/18	1620
	45.46000	-0.15000	8/7/18	1620
	64.70000	-0.30000	9/10/18	1620
	31.94000	-0.15000	10/5/18	1620

	26.54000	-0.15000	11/7/18	1620
	26.07000	-0.15000	12/7/18	1620
	26.56000	-0.14000	1/8/19	1620
	28.19000	-0.15000	2/7/19	1620
	27.90000	-0.17000	3/7/19	1620
	27.63000	-0.18000	4/5/19	1620
	25.31000	-0.12000	5/7/19	1620
	25.18000	-0.12000	6/7/19	1620
	30.87000	-0.14000	7/8/19	1620
	47.43000	-0.22000	8/7/19	1620
	67.02000	-0.28000	9/9/19	1620
	28.93000	-0.13000	10/7/19	1620
	25.52000	-0.11000	11/7/19	1620
	25.15000	-0.11000	12/6/19	1620
	25.63000	-0.11000	1/8/20	1620
	29.11000	-0.14000	2/7/20	1620
	28.88000	-0.14000	3/6/20	1620
	27.93000	-0.14000	4/7/20	1620
	25.90000	-0.20000	5/7/20	1620
	25.32000	-0.19000	6/5/20	1620
	31.08000	-0.23000	7/7/20	1620
	48.89000	-0.33000	8/7/20	1620
	67.83000	-0.47000	9/8/20	1620
	29.42000	-0.21000	10/7/20	1620
	25.83000	-0.19000	11/6/20	1620
	25.50000	-0.18000	12/7/20	1620

	26.02000	-0.17000	1/8/21	1620
	30.19000	-0.19000	2/5/21	1620
	29.91000	-0.19000	3/5/21	1620
	28.96000	-0.19000	4/8/21	1620
	27.11000	-0.20000	5/7/21	1620
	26.47000	-0.19000	6/7/21	1620
	32.50000	-0.23000	7/8/21	1620
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	30.64000	-0.21000	10/7/21	1620
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	26.62000	-0.18000	12/7/21	1620
	27.30000	-0.18000	1/7/22	1620
	30.18000	-0.20000	2/7/22	1620
	29.96000	-0.20000	3/7/22	1620
	28.99000	-0.21000	4/7/22	1620
	27.50000	-0.27000	5/6/22	1620
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	67.74000	-0.59000	9/8/22	1620
	31.01000	-0.28000	10/7/22	1620
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	26.96000	-0.24000	12/7/22	1620
	27.55000	-0.24000	1/9/23	1620
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	35.21000	0.00000	10/6/16	1623
	24.67000	0.00000	10/7/16	1623
	22.61000	0.00000	10/10/16	1623
	20.78000	0.00000	10/10/16	1623
	21.42000	0.00000	10/10/16	1623
	26.23000	-7.37000	10/11/16	1623
	41.90000	15.40000	10/12/16	1623
	35.50000	7.61000	10/13/16	1623
	28.73000	0.84000	10/14/16	1623
	28.73000	0.84000	10/17/16	1623
	23.44000	0.68000	10/17/16	1623
	23.44000	0.68000	10/17/16	1623
	28.73000	0.84000	10/18/16	1623
	28.73000	0.84000	10/19/16	1623
	28.73000	0.84000	10/20/16	1623
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	28.73000	0.84000	10/24/16	1623
	23.44000	0.68000	10/24/16	1623
	23.44000	0.68000	10/24/16	1623
	28.73000	0.84000	10/25/16	1623
	28.73000	0.84000	10/26/16	1623
	28.73000	0.84000	10/27/16	1623
	28.73000	0.84000	10/28/16	1623
	28.73000	0.84000	10/31/16	1623
	23.44000	0.68000	10/31/16	1623

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	28.73000	0.84000	11/3/16	1623
	28.73000	0.84000	11/4/16	1623
	28.73000	0.84000	11/7/16	1623
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	23.44000	0.68000	11/7/16	1623
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	28.45000	0.45000	11/9/16	1623
	28.45000	0.45000	11/10/16	1623
	28.45000	0.45000	11/11/16	1623
	28.45000	0.45000	11/14/16	1623
	23.40000	0.38000	11/14/16	1623
	23.40000	0.38000	11/14/16	1623
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	28.45000	0.45000	11/16/16	1623
	28.45000	0.45000	11/17/16	1623
	28.45000	0.45000	11/18/16	1623
	28.45000	0.45000	11/21/16	1623
	23.40000	0.38000	11/21/16	1623
	23.40000	0.38000	11/21/16	1623
	28.45000	0.45000	11/22/16	1623
	28.45000	0.45000	11/23/16	1623
	28.45000	0.45000	11/28/16	1623
	28.45000	0.45000	11/28/16	1623

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	28.45000	0.45000	11/29/16	1623
	28.45000	0.45000	11/30/16	1623
	28.45000	0.45000	12/1/16	1623
	23.40000	0.38000	12/2/16	1623
	28.45000	0.45000	12/5/16	1623
	23.40000	0.38000	12/5/16	1623
	23.40000	0.38000	12/5/16	1623
	28.45000	0.45000	12/6/16	1623
	28.45000	0.45000	12/7/16	1623
	28.45000	0.45000	12/8/16	1623
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	30.03000	0.14000	12/12/16	1623
	23.99000	0.12000	12/12/16	1623
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	30.03000	0.14000	12/13/16	1623
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	30.03000	0.14000	12/15/16	1623
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	23.99000	0.12000	12/19/16	1623
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	30.03000	0.14000	12/23/16	1623
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	23.99000	0.12000	12/27/16	1623
	23.99000	0.12000	12/27/16	1623
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	30.03000	0.14000	12/29/16	1623
	30.03000	0.14000	12/30/16	1623
	30.03000	0.14000	1/3/17	1623
	23.99000	0.12000	1/3/17	1623
	23.99000	0.12000	1/3/17	1623
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	30.03000	0.14000	1/4/17	1623
	30.03000	0.14000	1/5/17	1623
	30.03000	0.14000	1/6/17	1623
	30.03000	0.14000	1/9/17	1623
	23.99000	0.12000	1/9/17	1623
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	26.66000	0.09000	1/10/17	1623
	31.37000	0.10000	1/11/17	1623
	31.37000	0.10000	1/12/17	1623
	31.37000	0.10000	1/13/17	1623
	31.37000	0.10000	1/17/17	1623
	26.66000	0.09000	1/17/17	1623
	26.66000	0.09000	1/17/17	1623

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	31.37000	0.10000	1/20/17	1623
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	26.66000	0.09000	1/23/17	1623
	26.66000	0.09000	1/23/17	1623
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	31.37000	0.10000	1/25/17	1623
	31.37000	0.10000	1/26/17	1623
	31.37000	0.10000	1/27/17	1623
	31.37000	0.10000	1/30/17	1623
	26.66000	0.09000	1/30/17	1623
	26.66000	0.09000	1/30/17	1623
	31.37000	0.10000	1/31/17	1623
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	31.37000	0.10000	2/3/17	1623
	31.37000	0.10000	2/6/17	1623
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	26.66000	0.09000	2/6/17	1623
	31.37000	0.10000	2/7/17	1623
	31.37000	0.10000	2/8/17	1623
	31.50000	0.09000	2/9/17	1623
	31.50000	0.09000	2/10/17	1623
	31.50000	0.09000	2/13/17	1623

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	27.24000	0.45000	12/7/16	18468
	27.93000	0.14000	1/9/17	18468
	31.07000	0.10000	2/7/17	18468
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	30.76000	0.08000	4/7/17	18468
	30.24000	0.03000	5/5/17	18468
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	29.71000	-0.24000	1/9/23	18468
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	33.22000	0.08000	4/7/17	18469
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	37.90000	0.01000	7/10/17	18469
	50.20000	0.00000	8/7/17	18469
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	29.85000	-0.14000	3/6/20	18469
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	32.08000	-0.20000	2/7/22	18469
	31.85000	-0.20000	3/7/22	18469
	33.08000	-0.21000	4/7/22	18469
	32.88000	-0.27000	5/6/22	18469
	31.95000	-0.26000	6/7/22	18469
	38.21000	-0.31000	7/8/22	18469
	51.01000	-0.43000	8/5/22	18469
	71.09000	-0.59000	9/8/22	18469
	35.97000	-0.28000	10/7/22	18469
	31.33000	-0.25000	11/7/22	18469
	31.07000	-0.24000	12/7/22	18469
	31.76000	-0.24000	1/9/23	18469

	30.87000	0.00000	10/7/16	18470
	29.56000	1.46000	11/7/16	18470
	28.45000	0.45000	12/7/16	18470
	30.03000	0.14000	1/9/17	18470
	31.37000	0.10000	2/7/17	18470
	31.50000	0.09000	3/7/17	18470
	32.73000	0.08000	4/7/17	18470
	32.10000	0.03000	5/5/17	18470
	31.28000	0.02000	6/7/17	18470
	36.07000	0.01000	7/10/17	18470
	46.75000	0.00000	8/7/17	18470
	61.02000	-0.02000	9/8/17	18470
	33.90000	0.15000	10/6/17	18470
	30.07000	-0.01000	11/7/17	18470
	29.81000	0.07000	12/7/17	18470
	29.67000	0.06000	1/8/18	18470
	31.87000	-0.10000	2/7/18	18470
	31.58000	-0.10000	3/7/18	18470
	32.54000	-0.10000	4/6/18	18470
	30.33000	-0.10000	5/7/18	18470
	28.71000	-0.11000	6/7/18	18470
	34.05000	-0.10000	7/9/18	18470
	44.84000	-0.15000	8/7/18	18470
	65.21000	-0.30000	9/10/18	18470
	33.96000	-0.15000	10/5/18	18470
	28.91000	-0.15000	11/7/18	18470

	28.40000	-0.15000	12/7/18	18470
	28.95000	-0.14000	1/8/19	18470
	29.04000	-0.15000	2/7/19	18470
	28.72000	-0.17000	3/7/19	18470
	30.36000	-0.18000	4/5/19	18470
	28.45000	-0.12000	5/7/19	18470
	28.18000	-0.12000	6/7/19	18470
	33.49000	-0.14000	7/8/19	18470
	46.88000	-0.22000	8/7/19	18470
	66.79000	-0.28000	9/9/19	18470
	30.96000	-0.13000	10/7/19	18470
	27.79000	-0.11000	11/7/19	18470
	27.39000	-0.11000	12/6/19	18470
	27.92000	-0.11000	1/8/20	18470
	30.38000	-0.14000	2/7/20	18470
	30.12000	-0.14000	3/6/20	18470
	30.90000	-0.14000	4/7/20	18470
	29.41000	-0.20000	5/7/20	18470
	28.28000	-0.19000	6/5/20	18470
	33.82000	-0.23000	7/8/20	18470
	48.18000	-0.33000	8/7/20	18470
	67.67000	-0.47000	9/8/20	18470
	31.54000	-0.21000	10/7/20	18470
	28.31000	-0.19000	11/6/20	18470
	27.95000	-0.18000	12/7/20	18470
	28.52000	-0.17000	1/8/21	18470

	31.56000	-0.19000	2/5/21	18470
	31.25000	-0.19000	3/5/21	18470
	32.09000	-0.19000	4/8/21	18470
	30.79000	-0.20000	5/7/21	18470
	29.58000	-0.19000	6/7/21	18470
	35.40000	-0.23000	7/8/21	18470
	48.27000	-0.32000	8/6/21	18470
	67.41000	-0.45000	9/8/21	18470
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	29.20000	-0.18000	12/7/21	18470
	29.94000	-0.18000	1/7/22	18470
	31.88000	-0.20000	2/7/22	18470
	31.61000	-0.20000	3/7/22	18470
	32.46000	-0.21000	4/7/22	18470
	31.52000	-0.27000	5/6/22	18470
	30.27000	-0.26000	6/7/22	18470
	36.29000	-0.31000	7/8/22	18470
	49.20000	-0.43000	8/5/22	18470
	68.86000	-0.59000	9/8/22	18470
	33.60000	-0.28000	10/7/22	18470
	30.09000	-0.25000	11/7/22	18470
	29.85000	-0.24000	12/7/22	18470
	30.51000	-0.24000	1/9/23	18470
	29.60000	0.00000	10/7/16	18471
	26.87000	1.37000	11/7/16	18471

	26.08000	0.45000	12/7/16	18471
	26.30000	0.14000	1/9/17	18471
	31.42000	0.10000	2/7/17	18471
	31.54000	0.09000	3/7/17	18471
	30.90000	0.08000	4/7/17	18471
	28.91000	0.03000	5/5/17	18471
	28.03000	0.02000	6/7/17	18471
	34.12000	0.01000	7/10/17	18471
	43.21000	0.00000	8/7/17	18471
	62.74000	-0.02000	9/8/17	18471
	31.99000	0.15000	10/6/17	18471
	27.86000	-0.01000	11/7/17	18471
	27.64000	0.07000	12/7/17	18471
	27.46000	0.06000	1/8/18	18471
	31.08000	-0.10000	2/7/18	18471
	30.88000	-0.10000	3/7/18	18471
	30.54000	-0.10000	4/6/18	18471
	27.31000	-0.10000	5/7/18	18471
	25.95000	-0.11000	6/7/18	18471
	31.62000	-0.10000	7/9/18	18471
	45.46000	-0.15000	8/7/18	18471
	64.70000	-0.30000	9/10/18	18471
	31.94000	-0.15000	10/5/18	18471
	26.54000	-0.15000	11/7/18	18471
	26.07000	-0.15000	12/7/18	18471
	26.56000	-0.14000	1/8/19	18471

	28.19000	-0.15000	2/7/19	18471
	27.90000	-0.17000	3/7/19	18471
	27.63000	-0.18000	4/5/19	18471
	25.31000	-0.12000	5/7/19	18471
	25.18000	-0.12000	6/7/19	18471
	30.87000	-0.14000	7/8/19	18471
	47.43000	-0.22000	8/7/19	18471
	67.02000	-0.28000	9/9/19	18471
	28.93000	-0.13000	10/7/19	18471
	25.52000	-0.11000	11/7/19	18471
	25.15000	-0.11000	12/6/19	18471
	25.63000	-0.11000	1/8/20	18471
	29.11000	-0.14000	2/7/20	18471
	28.88000	-0.14000	3/6/20	18471
	27.93000	-0.14000	4/7/20	18471
	25.90000	-0.20000	5/7/20	18471
	25.32000	-0.19000	6/5/20	18471
	31.08000	-0.23000	7/8/20	18471
	48.89000	-0.33000	8/7/20	18471
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	25.50000	-0.18000	12/7/20	18471
	26.02000	-0.17000	1/8/21	18471
	30.19000	-0.19000	2/5/21	18471
	29.91000	-0.19000	3/5/21	18471

	28.96000	-0.19000	4/8/21	18471
	27.11000	-0.20000	5/7/21	18471
	26.47000	-0.19000	6/7/21	18471
	32.50000	-0.23000	7/8/21	18471
	48.11000	-0.32000	8/6/21	18471
	66.64000	-0.45000	9/8/21	18471
	30.64000	-0.21000	10/7/21	18471
	26.88000	-0.19000	11/5/21	18471
	26.62000	-0.18000	12/7/21	18471
	27.30000	-0.18000	1/7/22	18471
	30.18000	-0.20000	2/7/22	18471
	29.96000	-0.20000	3/7/22	18471
	28.99000	-0.21000	4/7/22	18471
	27.50000	-0.27000	5/6/22	18471
	26.83000	-0.26000	6/7/22	18471
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	67.74000	-0.59000	9/8/22	18471
	31.01000	-0.28000	10/7/22	18471
	27.16000	-0.25000	11/7/22	18471
	26.96000	-0.24000	12/7/22	18471
	27.55000	-0.24000	1/9/23	18471
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	28.86000	0.96000	11/7/16	2611
	27.39000	0.45000	12/7/16	2611
	28.08000	0.14000	1/9/17	2611

	31.07000	0.10000	2/7/17	2611
	31.20000	0.09000	3/7/17	2611
	30.76000	0.08000	4/7/17	2611
	30.24000	0.03000	5/5/17	2611
	28.73000	0.02000	6/7/17	2611
	34.56000	0.01000	7/10/17	2611
	43.57000	0.00000	8/7/17	2611
	61.92000	-0.02000	9/8/17	2611
	32.31000	0.15000	10/6/17	2611
	28.83000	-0.01000	11/7/17	2611
	28.13000	0.07000	12/7/17	2611
	27.98000	0.06000	1/8/18	2611
	30.62000	-0.10000	2/7/18	2611
	30.39000	-0.10000	3/7/18	2611
	29.51000	-0.10000	4/6/18	2611
	28.03000	-0.10000	5/7/18	2611
	25.73000	-0.11000	6/7/18	2611
	31.00000	-0.10000	7/9/18	2611
	43.06000	-0.15000	8/7/18	2611
	60.86000	-0.30000	9/10/18	2611
	29.28000	-0.15000	10/5/18	2611
	26.78000	-0.15000	11/7/18	2611
	25.52000	-0.15000	12/7/18	2611
	26.22000	-0.14000	1/8/19	2611
	29.64000	-0.15000	2/7/19	2611
	29.43000	-0.17000	3/7/19	2611

	28.97000	-0.18000	4/5/19	2611
	27.49000	-0.12000	5/7/19	2611
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	31.47000	-0.14000	7/8/19	2611
	48.80000	-0.22000	8/7/19	2611
	64.60000	-0.28000	9/9/19	2611
	29.30000	-0.13000	10/7/19	2611
	25.99000	-0.11000	11/7/19	2611
	25.05000	-0.11000	12/6/19	2611
	26.21000	-0.11000	1/8/20	2611
	30.06000	-0.14000	2/7/20	2611
	29.85000	-0.14000	3/6/20	2611
	29.90000	-0.14000	4/7/20	2611
	27.44000	-0.20000	5/7/20	2611
	26.54000	-0.19000	6/5/20	2611
	32.03000	-0.23000	7/7/20	2611
	47.95000	-0.33000	8/7/20	2611
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	30.17000	-0.21000	10/7/20	2611
	27.48000	-0.19000	11/6/20	2611
	27.13000	-0.18000	12/7/20	2611
	27.68000	-0.17000	1/8/21	2611
	31.39000	-0.19000	2/5/21	2611
	31.13000	-0.19000	3/5/21	2611
	31.21000	-0.19000	4/8/21	2611
	28.90000	-0.20000	5/7/21	2611

	27.93000	-0.19000	6/7/21	2611
	33.72000	-0.23000	7/8/21	2611
	47.47000	-0.32000	8/6/21	2611
	66.82000	-0.45000	9/8/21	2611
	31.63000	-0.21000	10/7/21	2611
	28.78000	-0.19000	11/5/21	2611
	28.49000	-0.18000	12/7/21	2611
	29.22000	-0.18000	1/7/22	2611
	31.63000	-0.20000	2/7/22	2611
	31.40000	-0.20000	3/7/22	2611
	31.49000	-0.21000	4/7/22	2611
	29.53000	-0.27000	5/6/22	2611
	28.52000	-0.26000	6/7/22	2611
	34.50000	-0.31000	7/8/22	2611
	48.60000	-0.43000	8/5/22	2611
	68.43000	-0.59000	9/8/22	2611
	32.25000	-0.28000	10/7/22	2611
	29.30000	-0.25000	11/7/22	2611
	29.07000	-0.24000	12/7/22	2611
	29.71000	-0.24000	1/9/23	2611
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	22.00000	0.00000	10/5/16	1624
	35.92000	0.00000	10/6/16	1624
	24.21000	0.00000	10/7/16	1624
	22.43000	0.00000	10/10/16	1624
	20.16000	0.00000	10/10/16	1624

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	23.90000	4.40000	10/12/16	1624
	28.50000	2.16000	10/13/16	1624
	27.19000	0.85000	10/14/16	1624
	27.19000	0.85000	10/17/16	1624
	21.75000	0.68000	10/17/16	1624
	21.75000	0.68000	10/17/16	1624
	27.19000	0.85000	10/18/16	1624
	27.19000	0.85000	10/19/16	1624
	27.19000	0.85000	10/20/16	1624
	27.19000	0.85000	10/21/16	1624
	27.19000	0.85000	10/24/16	1624
	21.75000	0.68000	10/24/16	1624
	21.75000	0.68000	10/24/16	1624
	27.19000	0.85000	10/25/16	1624
	27.19000	0.85000	10/26/16	1624
	27.19000	0.85000	10/27/16	1624
	27.19000	0.85000	10/28/16	1624
	27.19000	0.85000	10/31/16	1624
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	27.19000	0.85000	11/3/16	1624
	27.19000	0.85000	11/4/16	1624

	27.19000	0.85000	11/7/16	1624
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	21.75000	0.68000	11/7/16	1624
	27.19000	0.85000	11/8/16	1624
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	26.08000	0.45000	11/10/16	1624
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	26.08000	0.45000	11/14/16	1624
	22.17000	0.38000	11/14/16	1624
	22.17000	0.38000	11/14/16	1624
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	26.08000	0.45000	11/16/16	1624
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	26.08000	0.45000	11/18/16	1624
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	22.17000	0.38000	11/21/16	1624
	22.17000	0.38000	11/21/16	1624
	26.08000	0.45000	11/22/16	1624
	26.08000	0.45000	11/23/16	1624
	26.08000	0.45000	11/28/16	1624
	26.08000	0.45000	11/28/16	1624
	26.08000	0.45000	11/28/16	1624
	22.17000	0.38000	11/28/16	1624
	22.17000	0.38000	11/28/16	1624
	26.08000	0.45000	11/29/16	1624
	26.08000	0.45000	11/30/16	1624

	26.08000	0.45000	12/1/16	1624
	22.17000	0.38000	12/2/16	1624
	26.08000	0.45000	12/5/16	1624
	22.17000	0.38000	12/5/16	1624
	22.17000	0.38000	12/5/16	1624
	26.08000	0.45000	12/6/16	1624
	26.08000	0.45000	12/7/16	1624
	26.08000	0.45000	12/8/16	1624
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	26.30000	0.14000	12/12/16	1624
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	22.36000	0.12000	12/12/16	1624
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	26.30000	0.14000	12/15/16	1624
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	26.30000	0.14000	12/30/16	1624
	26.30000	0.14000	1/3/17	1624
	22.36000	0.12000	1/3/17	1624
	22.36000	0.12000	1/3/17	1624
	22.36000	0.12000	1/3/17	1624
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	26.30000	0.14000	1/5/17	1624
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	26.30000	0.14000	1/9/17	1624
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	26.71000	0.09000	1/10/17	1624
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	31.42000	0.10000	1/18/17	1624
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	31.42000	0.10000	1/20/17	1624
	31.42000	0.10000	1/23/17	1624

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	31.42000	0.10000	1/25/17	1624
	31.42000	0.10000	1/26/17	1624
	31.42000	0.10000	1/27/17	1624
	31.42000	0.10000	1/30/17	1624
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	31.42000	0.10000	1/31/17	1624
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	31.42000	0.10000	2/3/17	1624
	31.42000	0.10000	2/6/17	1624
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	31.42000	0.10000	2/8/17	1624
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	31.54000	0.09000	2/10/17	1624
	31.54000	0.09000	2/13/17	1624
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	31.54000		2/15/17	1624
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	75.31000	2.73000	12/29/16	19037
	72.44000	2.73000	1/30/17	19037
	70.51000	2.73000	2/27/17	19037
	69.21000	2.73000	3/30/17	19037
	44.52000	-0.51000	4/27/17	19037
	37.87000	-0.51000	5/30/17	19037
	31.16000	-0.51000	6/29/17	19037
	35.16000	-1.51000	7/28/17	19037
	38.93000	-1.51000	8/30/17	19037
	42.88000	-1.51000	9/28/17	19037
	47.42000	-1.51000	10/30/17	19037
	51.85000	-1.51000	11/29/17	19037
	55.97000	-1.51000	12/28/17	19037
	52.07000	-1.51000	1/30/18	19037
	49.59000	-1.51000	2/27/18	19037
	47.09000	-1.51000	3/28/18	19037
	42.40000	-1.51000	4/27/18	19037
	37.63000	-1.51000	5/30/18	19037
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	39.23000	-1.51000	8/30/18	19037
	42.42000	-1.51000	9/27/18	19037
	46.15000	-1.51000	10/30/18	19037
	50.49000	-1.51000	11/29/18	19037
	54.55000	-1.51000	12/28/18	19037

	52.94000	-1.51000	1/30/19	19037
	51.58000	-1.51000	2/27/19	19037
	50.33000	-1.51000	3/28/19	19037
	44.63000	-1.51000	4/29/19	19037
	38.97000	-1.51000	5/30/19	19037
	32.95000	-1.51000	6/27/19	19037
	36.70000	-1.51000	7/30/19	19037
	40.46000	-1.51000	8/29/19	19037
	44.19000	-1.51000	9/27/19	19037
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	52.91000	-1.51000	2/27/20	19037
	51.55000	-1.51000	3/30/20	19037
	44.82000	-1.51000	4/29/20	19037
	39.12000	-1.51000	5/28/20	19037
	33.45000	-1.51000	6/29/20	19037
	37.74000	-1.51000	7/30/20	19037
	41.49000	-1.51000	8/28/20	19037
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	56.68000	-1.51000	12/30/20	19037
	55.13000	-1.51000	1/28/21	19037
	53.77000	-1.51000	2/25/21	19037

	47.04000	-1.51000	3/30/21	19037
	41.34000	-1.51000	4/29/21	19037
	35.64000	-1.51000	5/28/21	19037
	29.89000	-1.51000	6/29/21	19037
	34.18000	-1.51000	7/29/21	19037
	37.93000	-1.51000	8/30/21	19037
	42.52000	-0.18000	10/28/16	19033
	55.82000	0.57000	11/29/16	19033
	57.65000	0.73000	12/30/16	19033
	57.75000	-0.52000	1/30/17	19033
	56.94000	-0.52000	2/27/17	19033
	55.59000	-0.52000	3/30/17	19033
	36.01000	0.23000	4/28/17	19033
	29.72000	0.23000	5/30/17	19033
	24.00000	0.23000	6/29/17	19033
	26.69000	0.53000	7/28/17	19033
	29.52000	0.53000	8/30/17	19033
	32.16000	0.53000	9/29/17	19033
	37.95000	0.30000	10/30/17	19033
	40.59000	0.30000	11/29/17	19033
	43.46000	0.30000	12/29/17	19033
	41.30000	-0.05000	1/30/18	19033
	40.71000	-0.05000	2/27/18	19033
	40.17000	-0.05000	3/29/18	19033
	33.62000	-0.05000	4/27/18	19033
	28.00000	-0.05000	5/30/18	19033

	22.38000	-0.05000	6/29/18	19033
	25.20000	-0.05000	7/30/18	19033
	28.02000	-0.05000	8/30/18	19033
	30.84000	-0.05000	9/28/18	19033
	34.10000	-0.05000	10/30/18	19033
	37.44000	-0.05000	11/29/18	19033
	40.77000	-0.05000	12/28/18	19033
	39.95000	-0.17000	1/30/19	19033
	39.43000	-0.17000	2/27/19	19033
	38.91000	-0.17000	3/29/19	19033
	33.33000	-0.17000	4/29/19	19033
	27.74000	-0.17000	5/30/19	19033
	22.15000	-0.17000	6/28/19	19033
	25.10000	-0.17000	7/30/19	19033
	28.06000	-0.17000	8/30/19	19033
	31.01000	-0.17000	9/27/19	19033
	34.42000	-0.17000	10/30/19	19033
	37.83000	-0.17000	11/29/19	19033
	41.24000	-0.17000	12/30/19	19033
	40.83000	-0.17000	1/30/20	19033
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	39.74000	-0.17000	3/30/20	19033
	34.14000	-0.17000	4/29/20	19033
	28.53000	-0.17000	5/29/20	19033
	22.92000	-0.17000	6/29/20	19033
	25.85000	-0.17000	7/30/20	19033

	28.79000	-0.17000	8/28/20	19033
	31.72000	-0.17000	9/29/20	19033
	35.11000	-0.17000	10/30/20	19033
	38.50000	-0.17000	11/27/20	19033
	41.89000	-0.17000	12/30/20	19033
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	40.21000	-0.17000	2/26/21	19033
	39.67000	-0.17000	3/30/21	19033
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	28.48000	-0.17000	5/28/21	19033
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	28.76000	-0.17000	8/30/21	19033
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	16.77000	0.13000	11/9/16	5769
	16.05000	0.10000	12/9/16	5769
	16.85000	0.20000	1/9/17	5769
	25.25000	0.20000	2/9/17	5769
	22.00000	0.15000	3/9/17	5769
	17.90000	0.00000	4/10/17	5769
	14.00000	0.00000	5/9/17	5769
	15.95000	0.25000	6/9/17	5769
	15.55000	0.00000	7/10/17	5769
	17.85000	0.00000	8/9/17	5769
	15.55000	0.00000	9/11/17	5769
	16.10000	0.00000	10/9/17	5769

	17.05000	0.00000	11/9/17	5769
	16.30000	0.00000	12/11/17	5769
	19.95000	0.00000	1/9/18	5769
	26.45000	0.15000	2/9/18	5769
	24.10000	0.15000	3/9/18	5769
	19.55000	0.05000	4/9/18	5769
	18.45000	0.05000	5/9/18	5769
	14.55000	0.00000	6/11/18	5769
	15.20000	0.00000	7/9/18	5769
	16.85000	0.05000	8/9/18	5769
	16.50000	0.05000	9/10/18	5769
	14.50000	0.00000	10/9/18	5769
	16.10000	0.05000	11/9/18	5769
	16.95000	0.05000	12/10/18	5769
	17.70000	0.05000	1/9/19	5769
	25.45000	0.05000	2/11/19	5769
	23.05000	0.05000	3/11/19	5769
	18.25000	0.05000	4/9/19	5769
	18.05000	0.05000	5/9/19	5769
	14.20000	0.05000	6/10/19	5769
	15.15000	0.05000	7/9/19	5769
	17.10000	0.05000	8/9/19	5769
	16.55000	0.05000	9/9/19	5769
	15.40000	0.05000	10/9/19	5769
	16.05000	0.05000	11/11/19	5769
	16.55000	0.05000	12/9/19	5769

	18.70000	0.05000	1/9/20	5769
	25.65000	0.05000	2/10/20	5769
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	18.00000	0.05000	5/11/20	5769
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	16.10000	0.05000	11/9/20	5769
	16.60000	0.05000	12/9/20	5769
	19.70000	0.05000	1/11/21	5769
	28.30000	0.05000	2/9/21	5769
	25.70000	0.05000	3/9/21	5769
	19.60000	0.05000	4/9/21	5769
	18.70000	0.05000	5/10/21	5769
	14.55000	0.05000	6/9/21	5769
	15.45000	0.05000	7/9/21	5769
	17.25000	0.05000	8/9/21	5769
	16.85000	0.05000	9/9/21	5769
	15.70000	0.05000	10/11/21	5769
	16.50000	0.05000	11/9/21	5769
	17.40000	0.05000	12/9/21	5769
	17.65000	0.05000	1/10/22	5769
	24.04000	0.00000	10/10/16	5768

	23.92000	0.05000	11/9/16	5768
	26.55000	0.35000	12/9/16	5768
	27.25000	0.50000	1/9/17	5768
	31.45000	0.30000	2/9/17	5768
	31.50000	0.35000	3/9/17	5768
	30.00000	0.45000	4/10/17	5768
	27.75000	0.15000	5/9/17	5768
	27.45000	0.20000	6/9/17	5768
	26.45000	0.10000	7/10/17	5768
	36.20000	0.05000	8/9/17	5768
	32.70000	0.05000	9/11/17	5768
	28.80000	0.20000	10/9/17	5768
	23.85000	0.20000	11/9/17	5768
	23.80000	0.30000	12/11/17	5768
	26.40000	0.15000	1/9/18	5768
	35.05000	0.30000	2/9/18	5768
	32.65000	0.30000	3/9/18	5768
	26.90000	0.10000	4/9/18	5768
	24.45000	0.10000	5/9/18	5768
	25.30000	0.00000	6/11/18	5768
	25.10000	0.00000	7/9/18	5768
	31.70000	0.00000	8/9/18	5768
	28.80000	0.00000	9/10/18	5768
	24.25000	0.15000	10/9/18	5768
	24.40000	0.00000	11/9/18	5768
	24.30000	0.00000	12/10/18	5768

	24.80000	0.00000	1/9/19	5768
	34.55000	-0.15000	2/11/19	5768
	32.40000	-0.10000	3/11/19	5768
	27.35000	-0.10000	4/9/19	5768
	24.80000	-0.05000	5/9/19	5768
	25.25000	-0.05000	6/10/19	5768
	25.30000	0.30000	7/9/19	5768
	30.10000	-0.10000	8/9/19	5768
	27.35000	-0.10000	9/9/19	5768
	24.15000	-0.05000	10/9/19	5768
	25.45000	-0.05000	11/11/19	5768
	25.05000	-0.05000	12/9/19	5768
	26.00000	-0.10000	1/9/20	5768
	35.05000	-0.15000	2/10/20	5768
	32.60000	-0.10000	3/9/20	5768
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	25.50000	0.30000	7/9/20	5768
	30.40000	-0.10000	8/10/20	5768
	27.45000	-0.10000	9/9/20	5768
	24.50000	-0.05000	10/9/20	5768
	24.95000	-0.05000	11/9/20	5768
	24.60000	-0.05000	12/9/20	5768
	25.85000	-0.10000	1/11/21	5768
	38.60000	-0.10000	2/9/21	5768

	35.85000	-0.10000	3/9/21	5768
	26.75000	-0.05000	4/9/21	5768
	24.20000	-0.05000	5/10/21	5768
	26.05000	-0.05000	6/9/21	5768
	25.80000	-0.05000	7/9/21	5768
	31.45000	-0.05000	8/9/21	5768
	28.40000	-0.05000	9/9/21	5768
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	25.30000	-0.05000	11/9/21	5768
	24.80000	-0.05000	12/9/21	5768
	27.65000	-0.05000	1/10/22	5768
	24.25000	0.00000	10/10/16	5771
	22.56000	0.28000	11/9/16	5771
	21.55000	0.10000	12/9/16	5771
	23.00000	0.20000	1/9/17	5771
	30.25000	0.20000	2/9/17	5771
	26.40000	0.15000	3/9/17	5771
	22.55000	0.00000	4/10/17	5771
	17.55000	0.00000	5/9/17	5771
	19.65000	0.25000	6/9/17	5771
	19.10000	0.00000	7/10/17	5771
	21.65000	0.00000	8/9/17	5771
	19.15000	0.00000	9/11/17	5771
	19.75000	0.00000	10/9/17	5771
	20.60000	0.00000	11/9/17	5771
	19.95000	0.00000	12/11/17	5771

	24.05000	0.00000	1/9/18	5771
	30.05000	0.15000	2/9/18	5771
	27.45000	0.15000	3/9/18	5771
	22.60000	0.05000	4/9/18	5771
	20.80000	0.05000	5/9/18	5771
	17.35000	0.00000	6/11/18	5771
	17.90000	0.00000	7/9/18	5771
	19.70000	0.05000	8/9/18	5771
	19.25000	0.05000	9/10/18	5771
	17.05000	0.00000	10/9/18	5771
	18.60000	0.05000	11/9/18	5771
	19.45000	0.05000	12/10/18	5771
	20.40000	0.05000	1/9/19	5771
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	19.10000	0.05000	12/9/20	5771
	20.70000	0.05000	1/11/21	5771
	30.50000	0.05000	2/9/21	5771
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	19.70000	0.05000	9/9/21	5771
	18.25000	0.05000	10/11/21	5771
	18.95000	0.05000	11/9/21	5771
	19.55000	0.05000	12/9/21	5771
	21.15000	0.05000	1/10/22	5771
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	31.51000	0.29000	11/9/16	5770
	31.00000	0.35000	12/9/16	5770

	32.00000	0.50000	1/9/17	5770
	35.65000	0.30000	2/9/17	5770
	35.00000	0.35000	3/9/17	5770
	33.80000	0.45000	4/10/17	5770
	31.40000	0.15000	5/9/17	5770
	30.95000	0.20000	6/9/17	5770
	30.25000	0.10000	7/10/17	5770
	37.00000	0.05000	8/9/17	5770
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	27.65000	0.10000	5/9/18	5770
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	28.50000	0.00000	7/9/18	5770
	35.60000	0.00000	8/9/18	5770
	32.55000	0.00000	9/10/18	5770
	27.50000	0.15000	10/9/18	5770
	27.65000	0.00000	11/9/18	5770
	27.60000	0.00000	12/10/18	5770
	28.00000	0.00000	1/9/19	5770
	38.45000	-0.15000	2/11/19	5770

	36.10000	-0.10000	3/11/19	5770
	30.70000	-0.10000	4/9/19	5770
	27.80000	-0.05000	5/9/19	5770
	28.30000	-0.05000	6/10/19	5770
	28.50000	0.30000	7/9/19	5770
	33.70000	-0.10000	8/9/19	5770
	30.80000	-0.10000	9/9/19	5770
	27.20000	-0.05000	10/9/19	5770
	28.55000	-0.05000	11/11/19	5770
	28.20000	-0.05000	12/9/19	5770
	29.20000	-0.10000	1/9/20	5770
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	36.35000	-0.10000	3/9/20	5770
	30.00000	-0.10000	4/9/20	5770
	27.30000	-0.05000	5/11/20	5770
	28.30000	-0.10000	6/9/20	5770
	28.65000	0.30000	7/9/20	5770
	34.05000	-0.10000	8/10/20	5770
	30.90000	-0.10000	9/9/20	5770
	27.60000	-0.05000	10/9/20	5770
	28.10000	-0.05000	11/9/20	5770
	27.65000	-0.05000	12/9/20	5770
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	42.50000	-0.10000	2/9/21	5770
	39.65000	-0.10000	3/9/21	5770
	30.10000	-0.05000	4/9/21	5770

	27.25000	-0.05000	5/10/21	5770
	29.15000	-0.05000	6/9/21	5770
	29.10000	-0.05000	7/9/21	5770
	35.05000	-0.05000	8/9/21	5770
	31.90000	-0.05000	9/9/21	5770
	28.05000	-0.05000	10/11/21	5770
	28.35000	-0.05000	11/9/21	5770
	27.90000	-0.05000	12/9/21	5770
	30.50000	-0.05000	1/10/22	5770
	32.22000	-0.83000	10/28/16	19032
	34.85000	-0.03000	11/29/16	19032
	33.90000	0.33000	12/30/16	19032
	34.62000	0.48000	1/30/17	19032
	35.21000	0.63000	2/27/17	19032
	30.80000	0.47000	3/30/17	19032
	28.07000	0.46000	4/28/17	19032
	27.06000	0.45000	5/30/17	19032
	24.91000	0.43000	6/29/17	19032
	26.01000	0.43000	7/28/17	19032
	27.39000	0.43000	8/30/17	19032
	28.72000	0.40000	9/29/17	19032
	29.68000	0.36000	10/30/17	19032
	30.26000	0.32000	11/29/17	19032
	30.92000	0.35000	12/29/17	19032
	30.46000	0.70000	1/30/18	19032
	30.31000	0.72000	2/27/18	19032

	30.18000	0.78000	3/29/18	19032
	27.42000	0.78000	4/27/18	19032
	25.16000	0.78000	5/30/18	19032
	22.78000	0.78000	6/29/18	19032
	24.24000	0.78000	7/30/18	19032
	25.32000	0.78000	8/30/18	19032
	27.02000	0.78000	9/28/18	19032
	28.17000	0.78000	10/30/18	19032
	29.06000	0.78000	11/29/18	19032
	29.95000	0.78000	12/28/18	19032
	28.91000	0.78000	1/30/19	19032
	29.10000	0.78000	2/27/19	19032
	29.28000	0.78000	3/29/19	19032
	26.36000	0.78000	4/29/19	19032
	23.66000	0.78000	5/30/19	19032
	20.97000	0.78000	6/28/19	19032
	23.03000	0.78000	7/30/19	19032
	24.91000	0.78000	8/30/19	19032
	26.78000	0.78000	9/27/19	19032
	27.72000	0.78000	10/30/19	19032
	28.65000	0.78000	11/29/19	19032
	29.59000	0.78000	12/30/19	19032
	29.55000	0.78000	1/30/20	19032
	29.84000	0.78000	2/28/20	19032
	30.13000	0.78000	3/30/20	19032
	27.28000	0.78000	4/29/20	19032

	24.43000	0.78000	5/29/20	19032
	21.58000	0.78000	6/29/20	19032
	23.55000	0.78000	7/30/20	19032
	25.52000	0.78000	8/28/20	19032
	27.49000	0.78000	9/29/20	19032
	28.45000	0.78000	10/30/20	19032
	29.41000	0.78000	11/27/20	19032
	30.37000	0.78000	12/30/20	19032
	30.37000	0.78000	1/29/21	19032
	30.66000	0.78000	2/26/21	19032
	30.95000	0.78000	3/30/21	19032
	28.10000	0.78000	4/29/21	19032
	25.25000	0.78000	5/28/21	19032
	22.40000	0.78000	6/29/21	19032
	24.37000	0.78000	7/30/21	19032
	26.34000	0.78000	8/30/21	19032
	37.78000	-0.31000	10/28/16	19036
	41.93000	-0.31000	11/29/16	19036
	42.20000	-0.13000	12/29/16	19036
	42.92000	0.23000	1/30/17	19036
	43.17000	0.45000	2/27/17	19036
	38.86000	0.62000	3/30/17	19036
	36.31000	0.76000	4/27/17	19036
	32.36000	0.84000	5/30/17	19036
	28.45000	0.84000	6/29/17	19036
	31.41000	1.08000	7/28/17	19036

	33.42000	1.08000	8/30/17	19036
	35.42000	1.08000	9/28/17	19036
	37.71000	1.00000	10/30/17	19036
	40.21000	0.93000	11/29/17	19036
	42.70000	0.86000	12/28/17	19036
	40.36000	0.48000	1/30/18	19036
	38.50000	0.42000	2/27/18	19036
	36.65000	0.42000	3/28/18	19036
	33.27000	0.42000	4/27/18	19036
	30.57000	0.42000	5/30/18	19036
	27.87000	0.42000	6/28/18	19036
	29.94000	0.42000	7/30/18	19036
	31.49000	0.42000	8/30/18	19036
	33.05000	0.42000	9/27/18	19036
	35.64000	0.42000	10/30/18	19036
	38.47000	0.42000	11/29/18	19036
	41.29000	0.42000	12/28/18	19036
	37.88000	0.42000	1/30/19	19036
	36.55000	0.42000	2/27/19	19036
	35.21000	0.42000	3/28/19	19036
	32.25000	0.42000	4/29/19	19036
	29.28000	0.42000	5/30/19	19036
	26.31000	0.42000	6/27/19	19036
	28.13000	0.42000	7/30/19	19036
	29.95000	0.42000	8/29/19	19036
	31.77000	0.42000	9/27/19	19036

	34.69000	0.42000	10/30/19	19036
	37.62000	0.42000	11/28/19	19036
	40.55000	0.42000	12/30/19	19036
	38.70000	0.42000	1/30/20	19036
	37.25000	0.42000	2/27/20	19036
	35.81000	0.42000	3/30/20	19036
	32.79000	0.42000	4/29/20	19036
	29.77000	0.42000	5/28/20	19036
	26.75000	0.42000	6/29/20	19036
	28.61000	0.42000	7/30/20	19036
	30.46000	0.42000	8/28/20	19036
	32.31000	0.42000	9/29/20	19036
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	39.93000	0.42000	1/28/21	19036
	38.48000	0.42000	2/25/21	19036
	37.04000	0.42000	3/30/21	19036
	34.02000	0.42000	4/29/21	19036
	31.00000	0.42000	5/28/21	19036
	28.00000	0.42000	6/29/21	19036
	29.86000	0.42000	7/29/21	19036
	31.71000	0.42000	8/30/21	19036
	22.43000	0.00000	10/4/16	549
	20.54000	0.00000	10/5/16	549
	21.72000	-1.08000	10/6/16	549

	24.10000	1.30000	10/7/16	549
	24.10000	1.30000	10/10/16	549
	16.40000	0.00000	10/10/16	549
	16.40000	0.00000	10/10/16	549
	24.20000	1.20000	10/11/16	549
	24.20000	1.20000	10/12/16	549
	24.20000	1.20000	10/13/16	549
	24.20000	1.20000	10/14/16	549
	24.20000	1.20000	10/17/16	549
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	20.87000	-0.59000	10/17/16	549
	26.90000	0.00000	10/18/16	549
	26.90000	0.00000	10/19/16	549
	26.90000	0.00000	10/20/16	549
	26.90000	0.00000	10/21/16	549
	26.90000	0.00000	10/24/16	549
	20.87000	-0.59000	10/24/16	549
	20.87000	-0.59000	10/24/16	549
	24.53000	-3.70000	10/25/16	549
	24.53000	-3.70000	10/26/16	549
	24.53000	-3.70000	10/27/16	549
	24.53000	-3.70000	10/28/16	549
	24.53000	-3.70000	10/31/16	549
	20.87000	-0.59000	10/31/16	549
	20.87000	-0.59000	10/31/16	549
	24.53000	-3.70000	11/1/16	549

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	31.25000	-0.45000	11/3/16	549
	31.25000	-0.45000	11/4/16	549
	31.25000	-0.45000	11/7/16	549
	26.56000	-0.39000	11/7/16	549
	26.56000	-0.39000	11/7/16	549
	31.25000	-0.45000	11/8/16	549
	31.25000	-0.45000	11/9/16	549
	31.25000	-0.45000	11/10/16	549
	31.25000	-0.45000	11/11/16	549
	31.25000	-0.45000	11/14/16	549
	26.56000	-0.39000	11/14/16	549
	26.56000	-0.39000	11/14/16	549
	31.25000	-0.45000	11/15/16	549
	31.25000	-0.45000	11/16/16	549
	31.25000	-0.45000	11/17/16	549
	31.25000	-0.45000	11/18/16	549
	31.25000	-0.45000	11/21/16	549
	26.56000	-0.39000	11/21/16	549
	26.56000	-0.39000	11/21/16	549
	31.25000	-0.45000	11/22/16	549
	31.25000	-0.45000	11/23/16	549
	31.25000	-0.45000	11/28/16	549
	26.56000	-0.39000	11/28/16	549
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	26.56000	-0.39000	11/28/16	549

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	31.25000	-0.45000	11/29/16	549
	31.25000	-0.45000	11/30/16	549
	31.25000	-0.45000	12/1/16	549
	49.55000	-0.15000	12/2/16	549
	49.55000	-0.15000	12/5/16	549
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	42.12000	-0.13000	12/5/16	549
	49.55000	-0.15000	12/6/16	549
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	49.55000	-0.15000	12/8/16	549
	49.55000	-0.15000	12/9/16	549
	49.55000	-0.15000	12/12/16	549
	42.12000	-0.13000	12/12/16	549
	42.12000	-0.13000	12/12/16	549
	49.55000	-0.15000	12/13/16	549
	49.55000	-0.15000	12/14/16	549
	49.55000	-0.15000	12/15/16	549
	49.55000	-0.15000	12/16/16	549
	49.55000	-0.15000	12/19/16	549
	42.12000	-0.13000	12/19/16	549
	42.12000	-0.13000	12/19/16	549
	49.55000	-0.15000	12/20/16	549
	49.55000	-0.15000	12/21/16	549
	49.55000	-0.15000	12/22/16	549
	49.55000	-0.15000	12/23/16	549

	49.55000	-0.15000	12/27/16	549
	42.12000	-0.13000	12/27/16	549
	42.12000	-0.13000	12/27/16	549
	49.55000	-0.15000	12/27/16	549
	49.55000	-0.15000	12/28/16	549
	49.55000	-0.15000	12/29/16	549
	49.55000	-0.15000	12/30/16	549
	49.55000	-0.15000	1/3/17	549
	42.12000	-0.13000	1/3/17	549
	69.71000	0.72000	1/3/17	549
	69.71000	0.72000	1/3/17	549
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	77.45000	0.80000	1/5/17	549
	77.45000	0.80000	1/6/17	549
	77.45000	0.80000	1/9/17	549
	69.71000	0.72000	1/9/17	549
	69.71000	0.72000	1/9/17	549
	77.45000	0.80000	1/10/17	549
	77.45000	0.80000	1/11/17	549
	77.45000	0.80000	1/12/17	549
	77.45000	0.80000	1/13/17	549
	77.45000	0.80000	1/17/17	549
	69.71000	0.72000	1/17/17	549
	69.71000	0.72000	1/17/17	549
	77.45000	0.80000	1/17/17	549
	77.45000	0.80000	1/18/17	549

	77.45000	0.80000	1/19/17	549
	77.45000	0.80000	1/20/17	549
	77.45000	0.80000	1/23/17	549
	69.71000	0.72000	1/23/17	549
	69.71000	0.72000	1/23/17	549
	77.45000	0.80000	1/24/17	549
	77.45000	0.80000	1/25/17	549
	77.45000	0.80000	1/26/17	549
	77.45000	0.80000	1/27/17	549
	77.45000	0.80000	1/30/17	549
	69.71000	0.72000	1/30/17	549
	69.71000	0.72000	1/30/17	549
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	73.80000	0.85000	2/3/17	549
	73.80000	0.85000	2/6/17	549
	62.73000	0.72000	2/6/17	549
	62.73000	0.72000	2/6/17	549
	73.80000	0.85000	2/7/17	549
	73.80000	0.85000	2/8/17	549
	73.80000	0.85000	2/9/17	549
	73.80000	0.85000	2/10/17	549
	73.80000	0.85000	2/13/17	549
	62.73000	0.72000	2/13/17	549
	62.73000	0.72000	2/13/17	549

	73.80000	0.85000	2/14/17	549
	73.80000	0.85000	2/15/17	549
	73.80000	0.85000	2/16/17	549
	73.80000	0.85000	2/17/17	549
	73.80000	0.85000	2/21/17	549
	62.73000	0.72000	2/21/17	549
	62.73000	0.72000	2/21/17	549
	73.80000	0.85000	2/21/17	549
	73.80000	0.85000	2/22/17	549
	73.80000	0.85000	2/23/17	549
	73.80000	0.85000	2/24/17	549
	73.80000	0.85000	2/27/17	549
	62.73000	0.72000	2/27/17	549
	62.73000	0.72000	2/27/17	549
	73.80000	0.85000	2/28/17	549
	73.80000	0.85000	3/1/17	549
	47.10000	0.05000	3/2/17	549
	47.10000	0.05000	3/3/17	549
	47.10000	0.05000	3/6/17	549
	40.04000	0.05000	3/6/17	549
	40.04000	0.05000	3/6/17	549
	47.10000	0.05000	3/7/17	549
	47.10000	0.05000	3/8/17	549
	47.10000	0.05000	3/9/17	549
	47.10000	0.05000	3/10/17	549
	47.10000	0.05000	3/13/17	549

	40.04000	0.05000	3/13/17	549
	40.04000	0.05000	3/13/17	549
	47.10000	0.05000	3/14/17	549
	47.10000	0.05000	3/15/17	549
	47.10000	0.05000	3/16/17	549
	47.10000	0.05000	3/17/17	549
	47.10000	0.05000	3/20/17	549
	40.04000	0.05000	3/20/17	549
	40.04000	0.05000	3/20/17	549
	47.10000	0.05000	3/21/17	549
	47.10000	0.05000	3/22/17	549
	47.10000	0.05000	3/23/17	549
	47.10000	0.05000	3/24/17	549
	47.10000	0.05000	3/27/17	549
	40.04000	0.05000	3/27/17	549
	40.04000	0.05000	3/27/17	549
	47.10000	0.05000	3/28/17	549
	47.10000	0.05000	3/29/17	549
	47.10000	0.05000	3/30/17	549
	47.10000	0.05000	3/31/17	549
	47.10000	0.05000	4/3/17	549
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	29.62000	-0.13000	4/3/17	549
	34.85000	-0.15000	4/4/17	549
	34.85000	-0.15000	4/5/17	549
	34.85000	-0.15000	4/6/17	549

	34.85000	-0.15000	4/7/17	549
	34.85000	-0.15000	4/10/17	549
	29.62000	-0.13000	4/10/17	549
	29.62000	-0.13000	4/10/17	549
	34.85000	-0.15000	4/11/17	549
	34.85000	-0.15000	4/12/17	549
	34.85000	-0.15000	4/13/17	549
	34.85000	-0.15000	4/17/17	549
	34.85000	-0.15000	4/17/17	549
	29.62000	-0.13000	4/17/17	549
	29.62000	-0.13000	4/17/17	549
	34.85000	-0.15000	4/18/17	549
	34.85000	-0.15000	4/19/17	549
	34.85000	-0.15000	4/20/17	549
	34.85000	-0.15000	4/21/17	549
	34.85000	-0.15000	4/24/17	549
	29.62000	-0.13000	4/24/17	549
	29.62000	-0.13000	4/24/17	549
	34.85000	-0.15000	4/25/17	549
	34.85000	-0.15000	4/26/17	549
	34.85000	-0.15000	4/27/17	549
	34.85000	-0.15000	4/28/17	549
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	33.70000	-0.10000	5/5/17	549
	33.70000	-0.10000	5/8/17	549
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	33.70000	-0.10000	5/12/17	549
	33.70000	-0.10000	5/15/17	549
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	28.65000	-0.08000	5/15/17	549
	33.70000	-0.10000	5/16/17	549
	33.70000	-0.10000	5/17/17	549
	33.70000	-0.10000	5/18/17	549
	33.70000	-0.10000	5/19/17	549
	33.70000	-0.10000	5/22/17	549
	28.65000	-0.08000	5/22/17	549
	28.65000	-0.08000	5/22/17	549
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	33.70000	-0.10000	5/24/17	549
	33.70000	-0.10000	5/25/17	549
	33.70000	-0.10000	5/26/17	549
	33.70000	-0.10000	5/30/17	549
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	28.65000	-0.08000	5/30/17	549
	33.70000	-0.10000	5/31/17	549
	33.70000	-0.10000	6/1/17	549
	35.70000	-0.15000	6/2/17	549
	35.70000	-0.15000	6/5/17	549
	28.56000	-0.12000	6/5/17	549
	28.56000	-0.12000	6/5/17	549
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	28.56000	-0.12000	6/12/17	549
	35.70000	-0.15000	6/13/17	549
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	28.56000	-0.12000	6/26/17	549
	35.70000	-0.15000	6/27/17	549
	35.70000	-0.15000	6/28/17	549
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	32.63000	-0.11000	7/3/17	549
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	32.63000	-0.11000	7/5/17	549
	43.50000	-0.15000	7/6/17	549
	43.50000	-0.15000	7/7/17	549
	43.50000	-0.15000	7/10/17	549
	32.63000	-0.11000	7/10/17	549
	32.63000	-0.11000	7/10/17	549
	43.50000	-0.15000	7/11/17	549
	43.50000	-0.15000	7/12/17	549
	43.50000	-0.15000	7/13/17	549
	43.50000	-0.15000	7/14/17	549
	43.50000	-0.15000	7/17/17	549
	32.63000	-0.11000	7/17/17	549
	32.63000	-0.11000	7/17/17	549
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	43.50000	-0.15000	7/21/17	549
	43.50000	-0.15000	7/24/17	549
	32.63000	-0.11000	7/24/17	549
	32.63000	-0.11000	7/24/17	549
	43.50000	-0.15000	7/25/17	549
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	43.50000	-0.15000	7/27/17	549
	43.50000	-0.15000	7/28/17	549
	43.50000	-0.15000	7/31/17	549
	32.63000	-0.11000	7/31/17	549
	32.63000	-0.11000	7/31/17	549
	43.50000	-0.15000	8/1/17	549
	40.90000	-0.15000	8/2/17	549
	40.90000	-0.15000	8/3/17	549
	40.90000	-0.15000	8/4/17	549
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	40.90000	-0.15000	8/11/17	549
	40.90000	-0.15000	8/14/17	549
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	40.90000		8/17/17	549
	40.90000		8/18/17	549
	40.90000		8/21/17	549
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	28.50000	0.00000	10/5/16	2626
	30.69000	0.00000	10/6/16	2626
	26.60000	0.00000	10/7/16	2626
	24.95000	0.00000	10/10/16	2626
	26.84000	0.00000	10/10/16	2626
	27.04000	0.00000	10/10/16	2626
	26.21000	0.00000	10/11/16	2626
	28.15000	0.00000	10/12/16	2626
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	33.24000	0.84000	10/17/16	2626
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	26.84000	0.68000	10/24/16	2626

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	27.00000	0.09000	1/10/17	2626

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	31.85000		2/15/17	2626
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	23.69000	0.06000	4/7/17	1862
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	25.34000	-0.11000	9/9/19	1862
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	20.86000	-0.08000	1/8/20	1862
	23.39000	-0.11000	2/7/20	1862
	23.05000	-0.11000	3/6/20	1862

	23.19000	-0.11000	4/7/20	1862
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	23.29000	-0.15000	7/8/20	1862
	25.19000	-0.17000	8/7/20	1862
	26.16000	-0.17000	9/8/20	1862
	24.07000	-0.15000	10/7/20	1862
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	21.05000	-0.14000	12/7/20	1862
	21.82000	-0.14000	1/8/21	1862
	24.19000	-0.15000	2/5/21	1862
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	23.04000	-0.15000	5/7/21	1862
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	24.20000	-0.15000	7/8/21	1862
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	21.95000	-0.14000	12/7/21	1862
	22.81000	-0.14000	1/7/22	1862
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	24.62000	-0.16000	3/7/22	1862
	24.82000	-0.16000	4/7/22	1862
	24.02000	-0.20000	5/6/22	1862

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	27.25000	-0.23000	8/5/22	1862
	28.35000	-0.24000	9/8/22	1862
	26.08000	-0.21000	10/7/22	1862
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	22.83000	-0.18000	12/7/22	1862
	23.64000	-0.18000	1/9/23	1862
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	17.98000	0.24000	11/14/16	2638
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	19.94000	0.21000	11/16/16	2638

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	17.34000	0.24000	10/31/16	1868
	22.51000	0.29000	11/1/16	1868
	22.51000	0.29000	11/2/16	1868
	22.51000	0.29000	11/3/16	1868
	22.51000	0.29000	11/4/16	1868
	22.51000	0.29000	11/7/16	1868
	17.34000	0.24000	11/7/16	1868
	17.34000	0.24000	11/7/16	1868
	22.51000	0.29000	11/8/16	1868
	20.16000	0.21000	11/9/16	1868
	20.16000	0.21000	11/10/16	1868
	20.16000	0.21000	11/11/16	1868

	20.16000	0.21000	11/14/16	1868
	17.98000	0.24000	11/14/16	1868
	17.98000	0.24000	11/14/16	1868
	20.16000	0.21000	11/15/16	1868
	20.16000	0.21000	11/16/16	1868
	20.16000	0.21000	11/17/16	1868
	20.16000	0.21000	11/18/16	1868
	20.16000	0.21000	11/21/16	1868
	17.98000	0.24000	11/21/16	1868
	17.98000	0.24000	11/21/16	1868
	20.16000	0.21000	11/22/16	1868
	20.16000	0.21000	11/23/16	1868
	20.16000	0.21000	11/28/16	1868
	20.16000	0.21000	11/28/16	1868
	20.16000	0.21000	11/28/16	1868
	17.98000	0.24000	11/28/16	1868
	17.98000	0.24000	11/28/16	1868
	20.16000	0.21000	11/29/16	1868
	20.16000	0.21000	11/30/16	1868
	20.16000	0.21000	12/1/16	1868
	17.98000	0.24000	12/2/16	1868
	20.16000	0.21000	12/5/16	1868
	17.98000	0.24000	12/5/16	1868
	17.98000	0.24000	12/5/16	1868
	20.16000	0.21000	12/6/16	1868
	20.16000	0.21000	12/7/16	1868

	20.16000	0.21000	12/8/16	1868
	19.56000	0.07000	12/9/16	1868
	19.56000	0.07000	12/12/16	1868
	18.24000	0.08000	12/12/16	1868
	18.24000	0.08000	12/12/16	1868
	19.56000	0.07000	12/13/16	1868
	19.56000	0.07000	12/14/16	1868
	19.56000	0.07000	12/15/16	1868
	19.56000	0.07000	12/16/16	1868
	19.56000	0.07000	12/19/16	1868
	18.24000	0.08000	12/19/16	1868
	18.24000	0.08000	12/19/16	1868
	19.56000	0.07000	12/20/16	1868
	19.56000	0.07000	12/21/16	1868
	19.56000	0.07000	12/22/16	1868
	19.56000	0.07000	12/23/16	1868
	19.56000	0.07000	12/27/16	1868
	18.24000	0.08000	12/27/16	1868
	18.24000	0.08000	12/27/16	1868
	19.56000	0.07000	12/27/16	1868
	19.56000	0.07000	12/28/16	1868
	19.56000	0.07000	12/29/16	1868
	19.56000	0.07000	12/30/16	1868
	19.56000	0.07000	1/3/17	1868
	18.24000	0.08000	1/3/17	1868
	18.24000	0.08000	1/3/17	1868

	18.24000	0.08000	1/3/17	1868
	19.56000	0.07000	1/4/17	1868
	19.56000	0.07000	1/5/17	1868
	19.56000	0.07000	1/6/17	1868
	19.56000	0.07000	1/9/17	1868
	18.24000	0.08000	1/9/17	1868
	20.39000	0.07000	1/9/17	1868
	30.78000	0.11000	1/10/17	1868
	30.78000	0.11000	1/11/17	1868
	30.78000	0.11000	1/12/17	1868
	30.78000	0.11000	1/13/17	1868
	30.78000	0.11000	1/17/17	1868
	20.39000	0.07000	1/17/17	1868
	20.39000	0.07000	1/17/17	1868
	30.78000	0.11000	1/17/17	1868
	30.78000	0.11000	1/18/17	1868
	30.78000	0.11000	1/19/17	1868
	30.78000	0.11000	1/20/17	1868
	30.78000	0.11000	1/23/17	1868
	20.39000	0.07000	1/23/17	1868
	20.39000	0.07000	1/23/17	1868
	30.78000	0.11000	1/24/17	1868
	30.78000	0.11000	1/25/17	1868
	30.78000	0.11000	1/26/17	1868
	30.78000	0.11000	1/27/17	1868
	30.78000	0.11000	1/30/17	1868

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	20.39000	0.07000	1/30/17	1868
	30.78000	0.11000	1/31/17	1868
	30.78000	0.11000	2/1/17	1868
	30.78000	0.11000	2/2/17	1868
	30.78000	0.11000	2/3/17	1868
	30.78000	0.11000	2/6/17	1868
	20.39000	0.07000	2/6/17	1868
	20.39000	0.07000	2/6/17	1868
	30.78000	0.11000	2/7/17	1868
	30.78000	0.11000	2/8/17	1868
	22.67000	0.07000	2/9/17	1868
	22.67000	0.07000	2/10/17	1868
	22.67000	0.07000	2/13/17	1868
	20.26000	0.06000	2/13/17	1868
	20.26000		2/13/17	1868
	22.67000		2/14/17	1868
	22.67000		2/15/17	1868
	33.39000	0.00000	10/4/16	2622
	28.67000	0.00000	10/5/16	2622
	30.90000	0.00000	10/6/16	2622
	26.86000	0.00000	10/7/16	2622
	24.99000	0.00000	10/10/16	2622
	26.83000	0.00000	10/10/16	2622
	27.04000	0.00000	10/10/16	2622
	26.80000	0.00000	10/11/16	2622

	28.90000	0.00000	10/12/16	2622
	39.24000	6.85000	10/13/16	2622
	33.24000	0.85000	10/14/16	2622
	33.24000	0.85000	10/17/16	2622
	26.84000	0.68000	10/17/16	2622
	26.84000	0.68000	10/17/16	2622
	33.24000	0.85000	10/18/16	2622
	33.24000	0.85000	10/19/16	2622
	33.24000	0.85000	10/20/16	2622
	33.24000	0.85000	10/21/16	2622
	33.24000	0.85000	10/24/16	2622
	26.84000	0.68000	10/24/16	2622
	26.84000	0.68000	10/24/16	2622
	33.24000	0.85000	10/25/16	2622
	33.24000	0.85000	10/26/16	2622
	33.24000	0.85000	10/27/16	2622
	33.24000	0.85000	10/28/16	2622
	33.24000	0.85000	10/31/16	2622
	26.84000	0.68000	10/31/16	2622
	26.84000	0.68000	10/31/16	2622
	33.24000	0.85000	11/1/16	2622
	33.24000	0.85000	11/2/16	2622
	33.24000	0.85000	11/3/16	2622
	33.24000	0.85000	11/4/16	2622
	33.24000	0.85000	11/7/16	2622
	26.84000	0.68000	11/7/16	2622

	26.84000	0.68000	11/7/16	2622
	33.24000	0.85000	11/8/16	2622
	28.11000	0.45000	11/9/16	2622
	28.11000	0.45000	11/10/16	2622
	28.11000	0.45000	11/11/16	2622
	28.11000	0.45000	11/14/16	2622
	24.14000	0.38000	11/14/16	2622
	24.14000	0.38000	11/14/16	2622
	28.11000		11/15/16	2622
	28.11000		11/16/16	2622
	28.11000		11/17/16	2622
	35.24000	0.00000	10/7/16	2606
	33.01000	1.05000	11/7/16	2606
	28.11000	0.45000	12/7/16	2606
	29.49000	0.14000	1/9/17	2606
	31.76000	0.10000	2/7/17	2606
	31.85000	0.09000	3/7/17	2606
	33.22000	0.08000	4/7/17	2606
	32.88000	0.03000	5/5/17	2606
	33.62000	0.02000	6/7/17	2606
	37.90000	0.01000	7/10/17	2606
	50.20000	0.00000	8/7/17	2606
	61.89000	-0.02000	9/8/17	2606
	36.14000	0.15000	10/6/17	2606
	29.79000	-0.01000	11/7/17	2606
	31.27000	0.07000	12/7/17	2606

	30.99000	0.06000	1/8/18	2606
	31.01000	-0.10000	2/7/18	2606
	30.75000	-0.10000	3/7/18	2606
	32.43000	-0.10000	4/6/18	2606
	30.69000	-0.10000	5/7/18	2606
	29.50000	-0.11000	6/7/18	2606
	34.66000	-0.10000	7/9/18	2606
	45.48000	-0.15000	8/7/18	2606
	65.49000	-0.30000	9/10/18	2606
	35.04000	-0.15000	10/5/18	2606
	28.97000	-0.15000	11/7/18	2606
	28.47000	-0.15000	12/7/18	2606
	29.01000	-0.14000	1/8/19	2606
	29.01000	-0.15000	2/7/19	2606
	28.69000	-0.17000	3/7/19	2606
	30.31000	-0.18000	4/5/19	2606
	29.13000	-0.12000	5/7/19	2606
	28.98000	-0.12000	6/7/19	2606
	34.40000	-0.14000	7/8/19	2606
	48.04000	-0.22000	8/7/19	2606
	68.01000	-0.28000	9/9/19	2606
	32.26000	-0.13000	10/7/19	2606
	28.19000	-0.11000	11/7/19	2606
	27.78000	-0.11000	12/6/19	2606
	28.32000	-0.11000	1/8/20	2606
	16.69000	0.00000	10/4/16	2634

	18.54000	0.00000	10/5/16	2634
	18.54000	0.00000	10/6/16	2634
	17.24000	0.00000	10/7/16	2634
	18.12000	0.00000	10/10/16	2634
	17.68000	0.00000	10/10/16	2634
	15.54000	0.00000	10/10/16	2634
	16.41000	0.00000	10/11/16	2634
	11.21000	0.00000	10/12/16	2634
	18.87000	-3.34000	10/13/16	2634
	22.51000	0.30000	10/14/16	2634
	22.51000	0.30000	10/17/16	2634
	17.34000	0.24000	10/17/16	2634
	17.34000	0.24000	10/17/16	2634
	22.51000	0.30000	10/18/16	2634
	22.51000	0.30000	10/19/16	2634
	22.51000	0.30000	10/20/16	2634
	22.51000	0.30000	10/21/16	2634
	22.51000	0.30000	10/24/16	2634
	17.34000	0.24000	10/24/16	2634
	17.34000	0.24000	10/24/16	2634
	22.51000	0.30000	10/25/16	2634
	22.51000	0.30000	10/26/16	2634
	22.51000	0.30000	10/27/16	2634
	22.51000	0.30000	10/28/16	2634
	22.51000	0.30000	10/31/16	2634
	17.34000	0.24000	10/31/16	2634

	17.34000	0.24000	10/31/16	2634
	22.51000	0.30000	11/1/16	2634
	22.51000	0.30000	11/2/16	2634
	22.51000	0.30000	11/3/16	2634
	22.51000	0.30000	11/4/16	2634
	22.51000	0.30000	11/7/16	2634
	17.34000	0.24000	11/7/16	2634
	17.34000	0.24000	11/7/16	2634
	22.51000	0.30000	11/8/16	2634
	19.94000	0.21000	11/9/16	2634
	19.94000	0.21000	11/10/16	2634
	19.94000	0.21000	11/11/16	2634
	19.94000	0.21000	11/14/16	2634
	17.98000	0.24000	11/14/16	2634
	17.98000	0.24000	11/14/16	2634
	19.94000		11/15/16	2634
	19.94000		11/16/16	2634
	19.94000		11/17/16	2634
	23.60000	0.00000	10/7/16	2614
	22.76000	0.29000	11/7/16	2614
	21.15000	0.28000	12/7/16	2614
	21.46000	0.09000	1/9/17	2614
	23.99000	0.08000	2/7/17	2614
	23.83000	0.07000	3/7/17	2614
	23.69000	0.06000	4/7/17	2614
	23.68000	0.02000	5/5/17	2614

	23.35000	0.01000	6/7/17	2614
	24.12000	0.01000	7/10/17	2614
	26.87000	0.00000	8/7/17	2614
	27.22000	-0.01000	9/8/17	2614
	24.89000	-0.02000	10/6/17	2614
	22.95000	-0.02000	11/7/17	2614
	21.73000	-0.03000	12/7/17	2614
	21.72000	-0.03000	1/8/18	2614
	24.38000	-0.07000	2/7/18	2614
	24.00000	-0.07000	3/7/18	2614
	24.06000	-0.07000	4/6/18	2614
	22.33000	-0.07000	5/7/18	2614
	21.95000	-0.08000	6/7/18	2614
	22.94000	-0.07000	7/9/18	2614
	24.71000	-0.08000	8/7/18	2614
	25.39000	-0.12000	9/10/18	2614
	23.22000	-0.11000	10/5/18	2614
	20.75000	-0.11000	11/7/18	2614
	20.14000	-0.11000	12/7/18	2614
	20.84000	-0.11000	1/8/19	2614
	23.15000	-0.12000	2/7/19	2614
	22.79000	-0.14000	3/7/19	2614
	22.91000	-0.14000	4/5/19	2614
	21.66000	-0.09000	5/7/19	2614
	21.58000	-0.09000	6/7/19	2614
	22.72000	-0.09000	7/8/19	2614

	24.55000	-0.10000	8/7/19	2614
	25.34000	-0.11000	9/9/19	2614
	23.17000	-0.09000	10/7/19	2614
	20.68000	-0.09000	11/7/19	2614
	20.16000	-0.08000	12/6/19	2614
	20.86000	-0.08000	1/8/20	2614
	21.41000	0.00000	10/5/16	2856
	17.53000	0.09000	11/3/16	2856
	24.40000	-0.25000	12/5/16	2856
	38.65000	0.15000	1/5/17	2856
	58.75000	0.15000	2/3/17	2856
	54.80000	0.15000	3/3/17	2856
	38.15000	0.10000	4/5/17	2856
	24.85000	0.00000	5/3/17	2856
	21.30000	0.25000	6/5/17	2856
	21.65000	0.00000	7/6/17	2856
	24.50000	0.00000	8/3/17	2856
	20.50000	0.00000	9/6/17	2856
	20.60000	0.00000	10/4/17	2856
	21.40000	0.00000	11/3/17	2856
	26.20000	0.00000	12/5/17	2856
	37.50000	0.00000	1/4/18	2856
	59.05000	-1.30000	2/5/18	2856
	54.20000	-1.25000	3/5/18	2856
	35.75000	-0.90000	4/4/18	2856
	29.45000	-0.65000	5/3/18	2856

	22.05000	-0.50000	6/5/18	2856
	21.30000	-0.50000	7/5/18	2856
	24.60000	-0.55000	8/3/18	2856
	21.05000	-0.55000	9/6/18	2856
	22.30000	-0.55000	10/3/18	2856
	21.60000	-0.50000	11/5/18	2856
	28.70000	-0.70000	12/5/18	2856
	36.90000	-0.35000	1/4/19	2856
	60.40000	-1.30000	2/5/19	2856
	55.45000	-1.20000	3/5/19	2856
	34.85000	-0.85000	4/3/19	2856
	29.70000	-0.55000	5/3/19	2856
	21.75000	-0.45000	6/5/19	2856
	21.50000	-0.45000	7/3/19	2856
	24.75000	-0.50000	8/5/19	2856
	21.20000	-0.50000	9/5/19	2856
	23.50000	-0.40000	10/3/19	2856
	21.65000	-0.45000	11/5/19	2856
	28.50000	-0.65000	12/4/19	2856
	36.90000	-0.85000	1/6/20	2856
	60.25000	-1.30000	2/5/20	2856
	55.35000	-1.25000	3/4/20	2856
	35.45000	-0.80000	4/3/20	2856
	30.15000	-0.60000	5/5/20	2856
	22.10000	-0.45000	6/3/20	2856
	21.70000	-0.45000	7/6/20	2856

	25.15000	-0.50000	8/5/20	2856
	21.50000	-0.45000	9/3/20	2856
	23.65000	-0.50000	10/5/20	2856
	21.85000	-0.45000	11/4/20	2856
	28.85000	-0.65000	12/3/20	2856
	36.45000	-0.80000	1/6/21	2856
	37.83000	0.00000	10/5/16	2853
	26.37000	-0.02000	11/3/16	2853
	35.15000	0.30000	12/5/16	2853
	51.70000	0.85000	1/5/17	2853
	75.35000	0.95000	2/3/17	2853
	73.55000	1.00000	3/3/17	2853
	48.20000	0.45000	4/5/17	2853
	34.40000	-0.05000	5/3/17	2853
	30.90000	0.00000	6/5/17	2853
	34.40000	0.10000	7/6/17	2853
	43.25000	0.10000	8/3/17	2853
	39.65000	0.10000	9/6/17	2853
	30.00000	0.05000	10/4/17	2853
	30.50000	-0.25000	11/3/17	2853
	34.90000	-0.25000	12/5/17	2853
	51.10000	0.20000	1/4/18	2853
	76.20000	2.35000	2/5/18	2853
	71.95000	2.25000	3/5/18	2853
	45.80000	-0.80000	4/4/18	2853
	37.45000	-0.65000	5/3/18	2853

	29.70000	-0.60000	6/5/18	2853
	33.75000	-0.65000	7/5/18	2853
	42.40000	-0.80000	8/3/18	2853
	38.45000	-0.75000	9/6/18	2853
	29.40000	-0.45000	10/3/18	2853
	31.35000	-0.65000	11/5/18	2853
	39.50000	-0.80000	12/5/18	2853
	50.95000	-1.05000	1/4/19	2853
	78.30000	1.45000	2/5/19	2853
	73.90000	1.35000	3/5/19	2853
	49.55000	0.90000	4/3/19	2853
	40.30000	0.75000	5/3/19	2853
	30.45000	0.55000	6/5/19	2853
	37.45000	1.00000	7/3/19	2853
	44.30000	0.80000	8/5/19	2853
	40.45000	0.70000	9/5/19	2853
	30.70000	0.55000	10/3/19	2853
	34.40000	0.60000	11/5/19	2853
	42.40000	0.80000	12/4/19	2853
	52.25000	1.00000	1/6/20	2853
	79.65000	1.05000	2/5/20	2853
	76.55000	1.05000	3/4/20	2853
	50.90000	0.65000	4/3/20	2853
	36.55000	0.50000	5/5/20	2853
	31.80000	0.40000	6/3/20	2853
	35.05000	0.80000	7/6/20	2853

	43.15000	0.55000	8/5/20	2853
	42.80000	0.55000	9/3/20	2853
	32.50000	0.40000	10/5/20	2853
	34.70000	0.45000	11/4/20	2853
	43.30000	0.60000	12/3/20	2853
	54.60000	0.75000	1/6/21	2853
	28.80000	0.00000	10/4/16	3966
	36.61000	0.00000	10/5/16	3966
	27.12000	0.00000	10/6/16	3966
	28.19000	0.00000	10/7/16	3966
	35.07000	0.00000	10/10/16	3966
	28.01000	0.00000	10/10/16	3966
	26.48000	0.00000	10/10/16	3966
	33.46000	-1.54000	10/11/16	3966
	35.00000	-2.50000	10/12/16	3966
	39.10000	0.55000	10/13/16	3966
	39.85000	1.30000	10/14/16	3966
	39.85000	1.30000	10/17/16	3966
	28.65000	0.00000	10/17/16	3966
	28.65000	0.00000	10/17/16	3966
	33.90000	0.10000	10/18/16	3966
	33.90000	0.10000	10/19/16	3966
	33.90000	0.10000	10/20/16	3966
	33.90000	0.10000	10/21/16	3966
	33.90000	0.10000	10/24/16	3966
	29.45000	0.06000	10/24/16	3966

	29.45000	0.06000	10/24/16	3966
	33.72000	0.17000	10/25/16	3966
	33.72000	0.17000	10/26/16	3966
	33.72000	0.17000	10/27/16	3966
	33.72000	0.17000	10/28/16	3966
	33.72000	0.17000	10/31/16	3966
	29.45000	0.06000	10/31/16	3966
	29.45000	0.06000	10/31/16	3966
	33.72000	0.17000	11/1/16	3966
	33.72000	0.17000	11/2/16	3966
	33.72000	0.17000	11/3/16	3966
	33.72000	0.17000	11/4/16	3966
	33.72000	0.17000	11/7/16	3966
	29.45000	0.06000	11/7/16	3966
	29.45000	0.06000	11/7/16	3966
	33.72000	0.17000	11/8/16	3966
	35.30000	0.35000	11/9/16	3966
	35.30000	0.35000	11/10/16	3966
	35.30000	0.35000	11/11/16	3966
	35.30000	0.35000	11/14/16	3966
	30.01000	0.30000	11/14/16	3966
	30.01000	0.30000	11/14/16	3966
	35.30000	0.35000	11/15/16	3966
	35.30000	0.35000	11/16/16	3966
	35.30000	0.35000	11/17/16	3966
	35.30000	0.35000	11/18/16	3966

	35.30000	0.35000	11/21/16	3966
	30.01000	0.30000	11/21/16	3966
	30.01000	0.30000	11/21/16	3966
	35.30000	0.35000	11/22/16	3966
	35.30000	0.35000	11/23/16	3966
	35.30000	0.35000	11/28/16	3966
	35.30000	0.35000	11/29/16	3966
	35.30000	0.35000	11/30/16	3966
	30.01000	0.30000	11/30/16	3966
	30.01000	0.30000	11/30/16	3966
	35.30000	0.35000	12/1/16	3966
	35.30000	0.35000	12/2/16	3966
	35.30000	0.35000	12/5/16	3966
	30.01000	0.30000	12/5/16	3966
	35.30000	0.35000	12/5/16	3966
	30.01000	0.30000	12/5/16	3966
	30.01000	0.30000	12/5/16	3966
	35.30000	0.35000	12/6/16	3966
	35.30000	0.35000	12/7/16	3966
	35.30000	0.35000	12/8/16	3966
	36.60000	0.50000	12/9/16	3966
	36.60000	0.50000	12/12/16	3966
	31.11000	0.42000	12/12/16	3966
	31.11000	0.42000	12/12/16	3966
	36.60000	0.50000	12/13/16	3966
	36.60000	0.50000	12/14/16	3966

	36.60000	0.50000	12/15/16	3966
	36.60000	0.50000	12/16/16	3966
	36.60000	0.50000	12/19/16	3966
	31.11000	0.42000	12/19/16	3966
	31.11000	0.42000	12/19/16	3966
	36.60000	0.50000	12/20/16	3966
	36.60000	0.50000	12/21/16	3966
	36.60000	0.50000	12/22/16	3966
	36.60000	0.50000	12/23/16	3966
	36.60000	0.50000	12/27/16	3966
	31.11000	0.42000	12/27/16	3966
	31.11000	0.42000	12/27/16	3966
	36.60000	0.50000	12/28/16	3966
	36.60000	0.50000	12/29/16	3966
	36.60000	0.50000	12/30/16	3966
	36.60000	0.50000	1/3/17	3966
	36.60000	0.50000	1/4/17	3966
	31.11000	0.42000	1/4/17	3966
	31.11000	0.42000	1/4/17	3966
	36.60000	0.50000	1/4/17	3966
	36.60000	0.50000	1/5/17	3966
	36.60000	0.50000	1/6/17	3966
	36.60000	0.50000	1/9/17	3966
	36.60000	0.50000	1/10/17	3966
	31.11000	0.42000	1/10/17	3966
	36.98000	0.22000	1/10/17	3966

	36.98000	0.22000	1/10/17	3966
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	43.50000	0.25000	1/12/17	3966
	43.50000	0.25000	1/13/17	3966
	43.50000	0.25000	1/17/17	3966
	36.98000	0.22000	1/17/17	3966
	36.98000	0.22000	1/17/17	3966
	43.50000	0.25000	1/18/17	3966
	43.50000	0.25000	1/19/17	3966
	43.50000	0.25000	1/20/17	3966
	43.50000	0.25000	1/23/17	3966
	43.50000	0.25000	1/24/17	3966
	36.98000	0.22000	1/24/17	3966
	36.98000	0.22000	1/24/17	3966
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	43.50000	0.25000	1/25/17	3966
	43.50000	0.25000	1/26/17	3966
	43.50000	0.25000	1/27/17	3966
	43.50000	0.25000	1/30/17	3966
	36.98000	0.22000	1/30/17	3966
	36.98000	0.22000	1/30/17	3966
	43.50000	0.25000	1/31/17	3966
	43.50000	0.25000	2/1/17	3966
	43.50000	0.25000	2/2/17	3966
	43.50000	0.25000	2/3/17	3966
	43.50000	0.25000	2/6/17	3966

	36.98000	0.22000	2/6/17	3966
	36.98000	0.22000	2/6/17	3966
	43.50000	0.25000	2/7/17	3966
	43.50000	0.25000	2/8/17	3966
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	42.10000	0.35000	2/10/17	3966
	42.10000	0.35000	2/13/17	3966
	35.79000	0.30000	2/13/17	3966
	35.79000	0.30000	2/13/17	3966
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	42.10000	0.35000	2/15/17	3966
	42.10000	0.35000	2/16/17	3966
	42.10000	0.35000	2/17/17	3966
	42.10000	0.35000	2/21/17	3966
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	35.79000	0.30000	2/21/17	3966
	42.10000	0.35000	2/22/17	3966
	42.10000	0.35000	2/23/17	3966
	42.10000	0.35000	2/24/17	3966
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	42.10000	0.35000	2/28/17	3966
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	42.10000	0.35000	3/2/17	3966

	42.10000	0.35000	3/3/17	3966
	42.10000	0.35000	3/6/17	3966
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	35.79000	0.30000	3/6/17	3966
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	42.10000	0.35000	3/8/17	3966
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	38.10000	0.45000	3/13/17	3966
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	32.39000	0.39000	3/13/17	3966
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	38.10000	0.45000	3/17/17	3966
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	32.39000	0.39000	3/20/17	3966
	38.10000	0.45000	3/21/17	3966
	38.10000	0.45000	3/22/17	3966
	38.10000	0.45000	3/23/17	3966
	38.10000	0.45000	3/24/17	3966
	38.10000	0.45000	3/27/17	3966
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	32.39000	0.39000	3/27/17	3966
	38.10000	0.45000	3/28/17	3966

	38.10000	0.45000	3/29/17	3966
	38.10000	0.45000	3/30/17	3966
	38.10000	0.45000	3/31/17	3966
	38.10000	0.45000	4/3/17	3966
	32.39000	0.39000	4/3/17	3966
	32.39000	0.39000	4/3/17	3966
	38.10000	0.45000	4/4/17	3966
	38.10000	0.45000	4/5/17	3966
	38.10000	0.45000	4/6/17	3966
	38.10000	0.45000	4/7/17	3966
	38.10000	0.45000	4/10/17	3966
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	30.26000	0.08000	4/10/17	3966
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	35.60000	0.10000	4/17/17	3966
	35.60000	0.10000	4/18/17	3966
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	30.26000	0.08000	4/18/17	3966
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	35.60000	0.10000	4/28/17	3966
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	35.60000	0.10000	5/5/17	3966
	35.60000	0.10000	5/8/17	3966
	30.26000	0.08000	5/8/17	3966
	30.26000	0.08000	5/8/17	3966
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	35.30000	0.15000	5/10/17	3966
	35.30000	0.15000	5/11/17	3966
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	35.30000	0.15000	5/15/17	3966
	30.01000	0.13000	5/15/17	3966
	30.01000	0.13000	5/15/17	3966
	35.30000	0.15000	5/16/17	3966
	35.30000	0.15000	5/17/17	3966
	35.30000	0.15000	5/18/17	3966
	35.30000	0.15000	5/19/17	3966

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	30.01000	0.13000	5/22/17	3966
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	35.30000	0.15000	5/26/17	3966
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	30.01000	0.13000	5/30/17	3966
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	35.30000	0.15000	6/2/17	3966
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	30.01000	0.13000	6/6/17	3966
	30.01000	0.13000	6/6/17	3966
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	35.30000	0.15000	6/8/17	3966
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	27.92000	0.08000	6/12/17	3966
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	34.90000	0.10000	6/14/17	3966

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	34.90000	0.10000	6/16/17	3966
	34.90000	0.10000	6/19/17	3966
	27.92000	0.08000	6/19/17	3966
	27.92000	0.08000	6/19/17	3966
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	34.90000	0.10000	6/26/17	3966
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	27.92000	0.08000	6/26/17	3966
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	34.90000	0.10000	6/28/17	3966
	34.90000		6/29/17	3966
	34.90000		6/30/17	3966
	34.90000		7/3/17	3966
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	28.19000	0.00000	10/7/16	411
	35.07000	0.00000	10/10/16	411
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	33.46000	-1.54000	10/11/16	411
	35.00000	-2.50000	10/12/16	411

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	28.65000	0.00000	10/17/16	411
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	33.90000	0.10000	10/19/16	411
	33.90000	0.10000	10/20/16	411
	33.90000	0.10000	10/21/16	411
	33.90000	0.10000	10/24/16	411
	29.45000	0.06000	10/24/16	411
	29.45000	0.06000	10/24/16	411
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	33.72000	0.17000	10/26/16	411
	33.72000	0.17000	10/27/16	411
	33.72000	0.17000	10/28/16	411
	33.72000	0.17000	10/31/16	411
	29.45000	0.06000	10/31/16	411
	29.45000	0.06000	10/31/16	411
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	33.72000	0.17000	11/2/16	411
	33.72000	0.17000	11/3/16	411
	33.72000	0.17000	11/4/16	411
	33.72000	0.17000	11/7/16	411
	29.45000	0.06000	11/7/16	411
	29.45000	0.06000	11/7/16	411

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	35.30000	0.35000	11/14/16	411
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	30.01000	0.30000	11/14/16	411
	35.30000	0.35000	11/15/16	411
	35.30000	0.35000	11/16/16	411
	35.30000	0.35000	11/17/16	411
	35.30000	0.35000	11/18/16	411
	35.30000	0.35000	11/21/16	411
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	30.01000	0.30000	11/21/16	411
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	36.60000	0.50000	1/6/17	411
	36.60000	0.50000	1/9/17	411
	36.60000	0.50000	1/10/17	411
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	43.50000	0.25000	1/13/17	411
	43.50000	0.25000	1/17/17	411
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	43.50000	0.25000	1/23/17	411
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	43.50000	0.25000	2/3/17	411
	43.50000	0.25000	2/6/17	411
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	36.98000	0.22000	2/6/17	411
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	43.50000	0.25000	2/8/17	411
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	42.10000	0.35000	2/10/17	411
	42.10000	0.35000	2/13/17	411
	35.79000	0.30000	2/13/17	411
	35.79000	0.30000	2/13/17	411
	42.10000	0.35000	2/14/17	411
	42.10000	0.35000	2/15/17	411
	42.10000	0.35000	2/16/17	411
	42.10000	0.35000	2/17/17	411
	42.10000	0.35000	2/21/17	411
	35.79000	0.30000	2/21/17	411

	35.79000	0.30000	2/21/17	411
	42.10000	0.35000	2/22/17	411
	42.10000	0.35000	2/23/17	411
	42.10000	0.35000	2/24/17	411
	42.10000	0.35000	2/27/17	411
	42.10000	0.35000	2/28/17	411
	35.79000	0.30000	2/28/17	411
	35.79000	0.30000	2/28/17	411
	42.10000	0.35000	2/28/17	411
	42.10000	0.35000	3/1/17	411
	42.10000	0.35000	3/2/17	411
	42.10000	0.35000	3/3/17	411
	42.10000	0.35000	3/6/17	411
	35.79000	0.30000	3/6/17	411
	35.79000	0.30000	3/6/17	411
	42.10000	0.35000	3/7/17	411
	42.10000	0.35000	3/8/17	411
	38.10000	0.45000	3/9/17	411
	38.10000	0.45000	3/10/17	411
	38.10000	0.45000	3/13/17	411
	32.39000	0.39000	3/13/17	411
	32.39000	0.39000	3/13/17	411
	38.10000	0.45000	3/14/17	411
	38.10000	0.45000	3/15/17	411
	38.10000	0.45000	3/16/17	411
	38.10000	0.45000	3/17/17	411

	38.10000	0.45000	3/20/17	411
	32.39000	0.39000	3/20/17	411
	32.39000	0.39000	3/20/17	411
	38.10000	0.45000	3/21/17	411
	38.10000	0.45000	3/22/17	411
	38.10000	0.45000	3/23/17	411
	38.10000	0.45000	3/24/17	411
	38.10000	0.45000	3/27/17	411
	32.39000	0.39000	3/27/17	411
	32.39000	0.39000	3/27/17	411
	38.10000	0.45000	3/28/17	411
	38.10000	0.45000	3/29/17	411
	38.10000	0.45000	3/30/17	411
	38.10000	0.45000	3/31/17	411
	38.10000	0.45000	4/3/17	411
	32.39000	0.39000	4/3/17	411
	32.39000	0.39000	4/3/17	411
	38.10000	0.45000	4/4/17	411
	38.10000	0.45000	4/5/17	411
	38.10000	0.45000	4/6/17	411
	38.10000	0.45000	4/7/17	411
	38.10000	0.45000	4/10/17	411
	30.26000	0.08000	4/10/17	411
	30.26000	0.08000	4/10/17	411
	35.60000	0.10000	4/11/17	411
	35.60000	0.10000	4/12/17	411

	35.60000	0.10000	4/13/17	411
	35.60000	0.10000	4/17/17	411
	35.60000	0.10000	4/18/17	411
	30.26000	0.08000	4/18/17	411
	30.26000	0.08000	4/18/17	411
	35.60000	0.10000	4/19/17	411
	35.60000	0.10000	4/20/17	411
	35.60000	0.10000	4/21/17	411
	35.60000	0.10000	4/24/17	411
	35.60000	0.10000	4/24/17	411
	30.26000	0.08000	4/24/17	411
	30.26000	0.08000	4/24/17	411
	35.60000	0.10000	4/25/17	411
	35.60000	0.10000	4/26/17	411
	35.60000	0.10000	4/27/17	411
	35.60000	0.10000	4/28/17	411
	35.60000	0.10000	5/1/17	411
	30.26000	0.08000	5/1/17	411
	30.26000	0.08000	5/1/17	411
	35.60000	0.10000	5/2/17	411
	35.60000	0.10000	5/3/17	411
	35.60000	0.10000	5/4/17	411
	35.60000	0.10000	5/5/17	411
	35.60000	0.10000	5/8/17	411
	30.26000	0.08000	5/8/17	411
	30.26000	0.08000	5/8/17	411

	35.30000	0.15000	5/9/17	411
	35.30000	0.15000	5/10/17	411
	35.30000	0.15000	5/11/17	411
	35.30000	0.15000	5/12/17	411
	35.30000	0.15000	5/15/17	411
	30.01000	0.13000	5/15/17	411
	30.01000	0.13000	5/15/17	411
	35.30000	0.15000	5/16/17	411
	35.30000	0.15000	5/17/17	411
	35.30000	0.15000	5/18/17	411
	35.30000	0.15000	5/19/17	411
	35.30000	0.15000	5/22/17	411
	30.01000	0.13000	5/22/17	411
	30.01000	0.13000	5/22/17	411
	35.30000	0.15000	5/23/17	411
	35.30000	0.15000	5/24/17	411
	35.30000	0.15000	5/25/17	411
	35.30000	0.15000	5/26/17	411
	35.30000	0.15000	5/30/17	411
	30.01000	0.13000	5/30/17	411
	30.01000	0.13000	5/30/17	411
	35.30000	0.15000	5/31/17	411
	35.30000	0.15000	6/1/17	411
	35.30000	0.15000	6/2/17	411
	35.30000	0.15000	6/5/17	411
	35.30000	0.15000	6/6/17	411

	30.01000	0.13000	6/6/17	411
	30.01000	0.13000	6/6/17	411
	30.01000	0.13000	6/6/17	411
	35.30000	0.15000	6/7/17	411
	35.30000	0.15000	6/8/17	411
	34.90000	0.10000	6/9/17	411
	34.90000	0.10000	6/12/17	411
	27.92000	0.08000	6/12/17	411
	27.92000	0.08000	6/12/17	411
	34.90000	0.10000	6/13/17	411
	34.90000	0.10000	6/14/17	411
	34.90000	0.10000	6/15/17	411
	34.90000	0.10000	6/16/17	411
	34.90000	0.10000	6/19/17	411
	27.92000	0.08000	6/19/17	411
	27.92000	0.08000	6/19/17	411
	34.90000	0.10000	6/20/17	411
	34.90000	0.10000	6/21/17	411
	34.90000	0.10000	6/22/17	411
	34.90000	0.10000	6/23/17	411
	34.90000	0.10000	6/26/17	411
	27.92000	0.08000	6/26/17	411
	27.92000	0.08000	6/26/17	411
	34.90000	0.10000	6/27/17	411
	34.90000	0.10000	6/28/17	411
	34.90000		6/29/17	411

	34.90000		6/30/17	411
	34.90000		7/3/17	411
	36.70000	0.00000	10/5/16	3255
	25.07000	0.09000	11/3/16	3255
	32.85000	0.30000	12/5/16	3255
	51.10000	0.85000	1/5/17	3255
	74.30000	0.95000	2/3/17	3255
	73.00000	1.00000	3/3/17	3255
	48.15000	0.45000	4/5/17	3255
	32.55000	-0.05000	5/3/17	3255
	28.75000	0.00000	6/5/17	3255
	31.25000	0.10000	7/6/17	3255
	39.65000	0.10000	8/3/17	3255
	36.50000	0.10000	9/6/17	3255
	27.80000	0.05000	10/4/17	3255
	29.40000	-0.25000	11/3/17	3255
	33.50000	-0.25000	12/5/17	3255
	50.15000	0.20000	1/4/18	3255
	77.40000	2.35000	2/5/18	3255
	71.60000	2.25000	3/5/18	3255
	48.00000	-0.80000	4/4/18	3255
	34.25000	-0.65000	5/3/18	3255
	27.65000	-0.60000	6/5/18	3255
	28.95000	-0.65000	7/5/18	3255
	36.75000	-0.80000	8/3/18	3255
	32.40000	-0.75000	9/6/18	3255

	26.40000	-0.45000	10/3/18	3255
	33.40000	-0.65000	11/5/18	3255
	36.40000	-0.80000	12/5/18	3255
	50.15000	-1.05000	1/4/19	3255
	79.15000	1.45000	2/5/19	3255
	73.40000	1.35000	3/5/19	3255
	52.10000	0.90000	4/3/19	3255
	36.80000	0.75000	5/3/19	3255
	29.10000	0.55000	6/5/19	3255
	30.95000	1.00000	7/3/19	3255
	37.55000	0.80000	8/5/19	3255
	33.20000	0.70000	9/5/19	3255
	28.25000	0.55000	10/3/19	3255
	35.95000	0.60000	11/5/19	3255
	39.60000	0.80000	12/4/19	3255
	54.70000	1.00000	1/6/20	3255
	82.75000	1.05000	2/5/20	3255
	77.85000	1.05000	3/4/20	3255
	54.35000	0.65000	4/3/20	3255
	33.95000	0.50000	5/5/20	3255
	30.30000	0.40000	6/3/20	3255
	30.65000	0.80000	7/6/20	3255
	38.00000	0.55000	8/5/20	3255
	37.15000	0.55000	9/3/20	3255
	29.95000	0.40000	10/5/20	3255
	37.65000	0.45000	11/4/20	3255

	40.90000	0.60000	12/3/20	3255
	54.80000	0.75000	1/6/21	3255
	20.65000	0.00000	10/5/16	3258
	18.11000	0.08000	11/3/16	3258
	23.40000	-0.25000	12/5/16	3258
	38.20000	0.15000	1/5/17	3258
	58.60000	0.15000	2/3/17	3258
	55.45000	0.15000	3/3/17	3258
	37.75000	0.10000	4/5/17	3258
	23.70000	0.00000	5/3/17	3258
	21.40000	0.25000	6/5/17	3258
	20.10000	0.00000	7/6/17	3258
	22.75000	0.00000	8/3/17	3258
	18.65000	0.00000	9/6/17	3258
	19.35000	0.00000	10/4/17	3258
	21.20000	0.00000	11/3/17	3258
	26.10000	0.00000	12/5/17	3258
	38.60000	0.00000	1/4/18	3258
	66.00000	-1.30000	2/5/18	3258
	60.50000	-1.25000	3/5/18	3258
	29.30000	-0.90000	4/4/18	3258
	26.45000	-0.65000	5/3/18	3258
	24.35000	-0.50000	6/5/18	3258
	18.45000	-0.50000	7/5/18	3258
	19.70000	-0.55000	8/3/18	3258
	16.25000	-0.55000	9/6/18	3258

	21.00000	-0.55000	10/3/18	3258
	24.35000	-0.50000	11/5/18	3258
	28.15000	-0.70000	12/5/18	3258
	34.35000	-0.35000	1/4/19	3258
	72.15000	-1.30000	2/5/19	3258
	66.20000	-1.20000	3/5/19	3258
	30.50000	-0.85000	4/3/19	3258
	28.65000	-0.55000	5/3/19	3258
	25.85000	-0.45000	6/5/19	3258
	20.05000	-0.45000	7/3/19	3258
	21.35000	-0.50000	8/5/19	3258
	17.65000	-0.50000	9/5/19	3258
	23.85000	-0.40000	10/3/19	3258
	26.25000	-0.45000	11/5/19	3258
	30.05000	-0.65000	12/4/19	3258
	38.05000	-0.85000	1/6/20	3258
	70.25000	-1.30000	2/5/20	3258
	64.45000	-1.25000	3/4/20	3258
	30.40000	-0.80000	4/3/20	3258
	28.40000	-0.60000	5/5/20	3258
	25.55000	-0.45000	6/3/20	3258
	19.75000	-0.45000	7/6/20	3258
	21.20000	-0.50000	8/5/20	3258
	17.50000	-0.45000	9/3/20	3258
	23.40000	-0.50000	10/5/20	3258
	25.75000	-0.45000	11/4/20	3258

	29.70000	-0.65000	12/3/20	3258
	35.50000	-0.80000	1/6/21	3258
	37.36000	0.00000	10/5/16	3256
	26.45000	0.03000	11/3/16	3256
	34.75000	0.30000	12/5/16	3256
	52.45000	0.85000	1/5/17	3256
	75.20000	0.95000	2/3/17	3256
	74.15000	1.00000	3/3/17	3256
	49.00000	0.45000	4/5/17	3256
	33.50000	-0.05000	5/3/17	3256
	31.10000	0.00000	6/5/17	3256
	32.65000	0.10000	7/6/17	3256
	41.50000	0.10000	8/3/17	3256
	39.10000	0.10000	9/6/17	3256
	29.80000	0.05000	10/4/17	3256
	29.80000	-0.25000	11/3/17	3256
	34.45000	-0.25000	12/5/17	3256
	51.30000	0.20000	1/4/18	3256
	77.45000	2.35000	2/5/18	3256
	70.85000	2.25000	3/5/18	3256
	52.35000	-0.80000	4/4/18	3256
	28.40000	-0.65000	5/3/18	3256
	30.05000	-0.60000	6/5/18	3256
	32.55000	-0.65000	7/5/18	3256
	42.50000	-0.80000	8/3/18	3256
	35.40000	-0.75000	9/6/18	3256

	28.40000	-0.45000	10/3/18	3256
	32.10000	-0.65000	11/5/18	3256
	39.20000	-0.80000	12/5/18	3256
	50.80000	-1.05000	1/4/19	3256
	77.15000	1.45000	2/5/19	3256
	67.35000	1.35000	3/5/19	3256
	54.85000	0.90000	4/3/19	3256
	33.05000	0.75000	5/3/19	3256
	29.25000	0.55000	6/5/19	3256
	35.05000	1.00000	7/3/19	3256
	44.60000	0.80000	8/5/19	3256
	34.60000	0.70000	9/5/19	3256
	30.00000	0.55000	10/3/19	3256
	32.45000	0.60000	11/5/19	3256
	41.25000	0.80000	12/4/19	3256
	52.00000	1.00000	1/6/20	3256
	83.05000	1.05000	2/5/20	3256
	77.25000	1.05000	3/4/20	3256
	59.25000	0.65000	4/3/20	3256
	27.75000	0.50000	5/5/20	3256
	32.95000	0.40000	6/3/20	3256
	34.65000	0.80000	7/6/20	3256
	44.40000	0.55000	8/5/20	3256
	40.50000	0.55000	9/3/20	3256
	32.25000	0.40000	10/5/20	3256
	36.35000	0.45000	11/4/20	3256

	44.05000	0.60000	12/3/20	3256
	56.15000	0.75000	1/6/21	3256
	20.83000	0.00000	10/5/16	3259
	17.75000	0.09000	11/3/16	3259
	24.95000	-0.25000	12/5/16	3259
	38.75000	0.15000	1/5/17	3259
	59.00000	0.15000	2/3/17	3259
	55.95000	0.15000	3/3/17	3259
	38.00000	0.10000	4/5/17	3259
	23.45000	0.00000	5/3/17	3259
	21.10000	0.25000	6/5/17	3259
	20.80000	0.00000	7/6/17	3259
	23.20000	0.00000	8/3/17	3259
	19.15000	0.00000	9/6/17	3259
	21.10000	0.00000	10/4/17	3259
	22.25000	0.00000	11/3/17	3259
	26.80000	0.00000	12/5/17	3259
	39.10000	0.00000	1/4/18	3259
	60.60000	-1.30000	2/5/18	3259
	54.70000	-1.25000	3/5/18	3259
	44.10000	-0.90000	4/4/18	3259
	21.60000	-0.65000	5/3/18	3259
	21.85000	-0.50000	6/5/18	3259
	20.65000	-0.50000	7/5/18	3259
	23.60000	-0.55000	8/3/18	3259
	20.20000	-0.55000	9/6/18	3259

	22.80000	-0.55000	10/3/18	3259
	21.20000	-0.50000	11/5/18	3259
	29.60000	-0.70000	12/5/18	3259
	37.25000	-0.35000	1/4/19	3259
	61.85000	-1.30000	2/5/19	3259
	53.65000	-1.20000	3/5/19	3259
	43.85000	-0.85000	4/3/19	3259
	18.50000	-0.55000	5/3/19	3259
	20.75000	-0.45000	6/5/19	3259
	21.50000	-0.45000	7/3/19	3259
	24.85000	-0.50000	8/5/19	3259
	21.35000	-0.50000	9/5/19	3259
	19.75000	-0.40000	10/3/19	3259
	21.00000	-0.45000	11/5/19	3259
	31.05000	-0.65000	12/4/19	3259
	37.40000	-0.85000	1/6/20	3259
	64.55000	-1.30000	2/5/20	3259
	58.30000	-1.25000	3/4/20	3259
	45.80000	-0.80000	4/3/20	3259
	23.35000	-0.60000	5/5/20	3259
	22.95000	-0.45000	6/3/20	3259
	22.05000	-0.45000	7/6/20	3259
	25.30000	-0.50000	8/5/20	3259
	21.65000	-0.45000	9/3/20	3259
	25.30000	-0.50000	10/5/20	3259
	22.45000	-0.45000	11/4/20	3259

	31.15000	-0.65000	12/3/20	3259
	38.25000	-0.80000	1/6/21	3259
	35.05000	0.00000	10/25/16	18630
	35.05000	0.00000	11/25/16	18630
	36.30000	0.00000	12/23/16	18630
	36.30000	0.00000	1/25/17	18630
	36.30000	0.00000	2/24/17	18630
	36.55000	0.00000	3/24/17	18630
	36.55000	0.00000	4/25/17	18630
	36.55000	0.00000	5/25/17	18630
	36.80000	0.00000	6/23/17	18630
	36.80000	0.00000	7/25/17	18630
	36.80000	0.00000	8/25/17	18630
	37.05000	0.00000	9/25/17	18630
	37.05000	0.00000	10/25/17	18630
	37.05000	0.00000	11/24/17	18630
	37.05000	0.00000	12/22/17	18630
	37.05000	0.00000	1/25/18	18630
	37.05000	0.00000	2/23/18	18630
	37.05000	0.00000	3/23/18	18630
	37.05000	0.00000	4/25/18	18630
	37.05000	0.00000	5/25/18	18630
	37.05000	0.00000	6/25/18	18630
	37.05000	0.00000	7/25/18	18630
	37.05000	0.00000	8/24/18	18630
	36.05000	0.00000	9/25/18	18630

	36.05000	0.00000	10/25/18	18630
	36.05000	0.00000	11/23/18	18630
	37.05000	0.00000	12/24/18	18630
	37.05000	0.00000	1/25/19	18630
	37.05000	0.00000	2/25/19	18630
	37.05000	0.00000	3/25/19	18630
	37.05000	0.00000	4/25/19	18630
	37.05000	0.00000	5/24/19	18630
	37.05000	0.00000	6/25/19	18630
	37.05000	0.00000	7/25/19	18630
	37.05000	0.00000	8/23/19	18630
	37.05000	0.00000	9/25/19	18630
	37.05000	0.00000	10/25/19	18630
	37.05000	0.00000	11/25/19	18630
	37.30000	0.00000	12/24/19	18630
	37.30000	0.00000	1/24/20	18630
	37.30000	0.00000	2/25/20	18630
	37.30000	0.00000	3/25/20	18630
	37.30000	0.00000	4/24/20	18630
	37.30000	0.00000	5/22/20	18630
	37.30000	0.00000	6/25/20	18630
	37.30000	0.00000	7/24/20	18630
	37.30000	0.00000	8/25/20	18630
	37.30000	0.00000	9/25/20	18630
	37.30000	0.00000	10/23/20	18630
	37.30000	0.00000	11/25/20	18630

	37.37000	0.00000	10/5/16	3063
	27.16000	-0.02000	11/3/16	3063
	35.65000	0.30000	12/5/16	3063
	53.15000	0.85000	1/5/17	3063
	77.05000	0.95000	2/3/17	3063
	76.15000	1.00000	3/3/17	3063
	49.50000	0.45000	4/5/17	3063
	33.80000	-0.05000	5/3/17	3063
	31.65000	0.00000	6/5/17	3063
	33.90000	0.10000	7/6/17	3063
	42.80000	0.10000	8/3/17	3063
	39.70000	0.10000	9/6/17	3063
	30.95000	0.05000	10/4/17	3063
	31.10000	-0.25000	11/3/17	3063
	36.10000	-0.25000	12/5/17	3063
	52.95000	0.20000	1/4/18	3063
	78.40000	2.35000	2/5/18	3063
	74.00000	2.25000	3/5/18	3063
	49.65000	-0.80000	4/4/18	3063
	33.55000	-0.65000	5/3/18	3063
	30.75000	-0.60000	6/5/18	3063
	33.85000	-0.65000	7/5/18	3063
	43.00000	-0.80000	8/3/18	3063
	38.65000	-0.75000	9/6/18	3063
	29.55000	-0.45000	10/3/18	3063
	33.40000	-0.65000	11/5/18	3063

	40.85000	-0.80000	12/5/18	3063
	52.75000	-1.05000	1/4/19	3063
	80.40000	1.45000	2/5/19	3063
	74.60000	1.35000	3/5/19	3063
	51.80000	0.90000	4/3/19	3063
	34.95000	0.75000	5/3/19	3063
	31.90000	0.55000	6/5/19	3063
	35.30000	1.00000	7/3/19	3063
	45.00000	0.80000	8/5/19	3063
	40.45000	0.70000	9/5/19	3063
	30.85000	0.55000	10/3/19	3063
	35.25000	0.60000	11/5/19	3063
	43.15000	0.80000	12/4/19	3063
	54.05000	1.00000	1/6/20	3063
	79.15000	1.05000	2/5/20	3063
	74.70000	1.05000	3/4/20	3063
	52.20000	0.65000	4/3/20	3063
	35.25000	0.50000	5/5/20	3063
	32.10000	0.40000	6/3/20	3063
	35.50000	0.80000	7/6/20	3063
	45.35000	0.55000	8/5/20	3063
	40.85000	0.55000	9/3/20	3063
	31.05000	0.40000	10/5/20	3063
	35.65000	0.45000	11/4/20	3063
	43.60000	0.60000	12/3/20	3063
	56.10000	0.75000	1/6/21	3063

	20.91000	0.00000	10/5/16	3067
	18.14000	0.07000	11/3/16	3067
	25.55000	-0.25000	12/5/16	3067
	39.30000	0.15000	1/5/17	3067
	59.95000	0.15000	2/3/17	3067
	57.25000	0.15000	3/3/17	3067
	39.10000	0.10000	4/5/17	3067
	24.80000	0.00000	5/3/17	3067
	21.60000	0.25000	6/5/17	3067
	21.35000	0.00000	7/6/17	3067
	23.70000	0.00000	8/3/17	3067
	19.75000	0.00000	9/6/17	3067
	21.30000	0.00000	10/4/17	3067
	22.40000	0.00000	11/3/17	3067
	27.55000	0.00000	12/5/17	3067
	39.80000	0.00000	1/4/18	3067
	61.70000	-1.30000	2/5/18	3067
	56.50000	-1.25000	3/5/18	3067
	36.60000	-0.90000	4/4/18	3067
	30.20000	-0.65000	5/3/18	3067
	22.65000	-0.50000	6/5/18	3067
	21.45000	-0.50000	7/5/18	3067
	24.45000	-0.55000	8/3/18	3067
	20.85000	-0.55000	9/6/18	3067
	22.95000	-0.55000	10/3/18	3067
	21.85000	-0.50000	11/5/18	3067

	30.55000	-0.70000	12/5/18	3067
	38.20000	-0.35000	1/4/19	3067
	61.05000	-1.30000	2/5/19	3067
	56.00000	-1.20000	3/5/19	3067
	36.15000	-0.85000	4/3/19	3067
	30.00000	-0.55000	5/3/19	3067
	22.25000	-0.45000	6/5/19	3067
	21.15000	-0.45000	7/3/19	3067
	24.35000	-0.50000	8/5/19	3067
	20.65000	-0.50000	9/5/19	3067
	23.85000	-0.40000	10/3/19	3067
	22.85000	-0.45000	11/5/19	3067
	31.85000	-0.65000	12/4/19	3067
	38.95000	-0.85000	1/6/20	3067
	63.35000	-1.30000	2/5/20	3067
	58.05000	-1.25000	3/4/20	3067
	37.65000	-0.80000	4/3/20	3067
	31.00000	-0.60000	5/5/20	3067
	23.10000	-0.45000	6/3/20	3067
	22.05000	-0.45000	7/6/20	3067
	25.20000	-0.50000	8/5/20	3067
	21.45000	-0.45000	9/3/20	3067
	24.45000	-0.50000	10/5/20	3067
	23.80000	-0.45000	11/4/20	3067
	33.15000	-0.65000	12/3/20	3067
	39.90000	-0.80000	1/6/21	3067

	25.93000	0.00000	10/7/16	5745
	24.49000	0.31000	11/7/16	5745
	24.50000	0.10000	12/7/16	5745
	26.85000	0.20000	1/9/17	5745
	34.80000	0.20000	2/7/17	5745
	30.40000	0.15000	3/7/17	5745
	29.00000	0.00000	4/7/17	5745
	22.60000	0.00000	5/5/17	5745
	22.80000	0.25000	6/7/17	5745
	22.15000	0.00000	7/10/17	5745
	24.75000	0.00000	8/7/17	5745
	22.25000	0.00000	9/8/17	5745
	22.65000	0.00000	10/6/17	5745
	23.40000	0.00000	11/7/17	5745
	22.95000	0.00000	12/7/17	5745
	27.40000	0.00000	1/8/18	5745
	35.20000	0.15000	2/7/18	5745
	32.15000	0.15000	3/7/18	5745
	26.65000	0.05000	4/6/18	5745
	24.35000	0.05000	5/7/18	5745
	21.05000	0.00000	6/7/18	5745
	21.60000	0.00000	7/9/18	5745
	23.60000	0.05000	8/7/18	5745
	23.05000	0.05000	9/10/18	5745
	20.70000	0.00000	10/5/18	5745
	22.10000	0.00000	11/7/18	5745

	23.05000	0.05000	12/7/18	5745
	24.20000	0.05000	1/8/19	5745
	34.95000	0.05000	2/7/19	5745
	32.50000	0.05000	3/7/19	5745
	26.60000	0.05000	4/5/19	5745
	23.00000	0.05000	5/7/19	5745
	22.60000	0.05000	6/7/19	5745
	23.20000	0.05000	7/8/19	5745
	25.60000	0.05000	8/7/19	5745
	23.80000	0.05000	9/9/19	5745
	22.95000	0.05000	10/7/19	5745
	22.80000	0.05000	11/7/19	5745
	24.15000	0.05000	12/6/19	5745
	24.00000	0.05000	1/8/20	5745
	34.40000	0.05000	2/7/20	5745
	32.85000	0.05000	3/6/20	5745
	27.00000	0.05000	4/7/20	5745
	22.60000	0.05000	5/7/20	5745
	23.20000	0.05000	6/5/20	5745
	23.10000	0.05000	7/7/20	5745
	25.70000	0.05000	8/7/20	5745
	24.90000	0.05000	9/8/20	5745
	22.95000	0.05000	10/7/20	5745
	23.30000	0.05000	11/6/20	5745
	23.85000	0.05000	12/7/20	5745
	25.95000	0.05000	1/8/21	5745

	35.45000	0.05000	2/5/21	5745
	31.90000	0.05000	3/5/21	5745
	27.60000	0.05000	4/8/21	5745
	21.95000	0.05000	5/7/21	5745
	23.45000	0.05000	6/7/21	5745
	22.85000	0.05000	7/8/21	5745
	24.85000	0.05000	8/6/21	5745
	24.30000	0.05000	9/8/21	5745
	23.50000	0.05000	10/7/21	5745
	22.45000	0.05000	11/5/21	5745
	22.55000	0.05000	12/7/21	5745
	25.85000	0.05000	1/7/22	5745
	35.85000	0.05000	2/7/22	5745
	32.40000	0.05000	3/7/22	5745
	28.25000	0.05000	4/7/22	5745
	23.95000	0.05000	5/6/22	5745
	23.10000	0.05000	6/7/22	5745
	24.45000	0.05000	7/8/22	5745
	26.65000	0.05000	8/5/22	5745
	25.45000	0.05000	9/8/22	5745
	24.30000	0.05000	10/7/22	5745
	23.40000	0.05000	11/7/22	5745
	23.45000	0.05000	12/7/22	5745
	26.10000	0.05000	1/9/23	5745
	36.45000	0.05000	2/7/23	5745
	33.15000	0.05000	3/7/23	5745

	28.40000	0.05000	4/10/23	5745
	25.05000	0.05000	5/5/23	5745
	24.00000	0.05000	6/7/23	5745
	24.50000	0.05000	7/10/23	5745
	24.40000	0.05000	8/7/23	5745
	23.60000	0.05000	9/8/23	5745
	25.25000	0.05000	10/6/23	5745
	24.25000	0.05000	11/7/23	5745
	24.55000	0.05000	12/7/23	5745
	26.50000	0.05000	1/5/24	5745
	40.60000	0.05000	2/7/24	5745
	36.75000	0.05000	3/7/24	5745
	29.30000	0.05000	4/5/24	5745
	27.00000	0.05000	5/7/24	5745
	23.50000	0.05000	6/7/24	5745
	25.60000	0.05000	7/5/24	5745
	26.50000	0.05000	8/7/24	5745
	25.90000	0.05000	9/6/24	5745
	24.75000	0.05000	10/7/24	5745
	24.80000	0.05000	11/7/24	5745
	25.25000	0.05000	12/6/24	5745
	28.00000	0.05000	1/7/25	5745
	44.85000	0.00000	10/5/16	3062
	27.74000	0.51000	11/3/16	3062
	35.75000	0.30000	12/5/16	3062
	53.20000	0.85000	1/5/17	3062

	76.80000	0.95000	2/3/17	3062
	76.40000	1.00000	3/3/17	3062
	49.30000	0.45000	4/5/17	3062
	34.60000	-0.05000	5/3/17	3062
	32.00000	0.00000	6/5/17	3062
	33.85000	0.10000	7/6/17	3062
	43.45000	0.10000	8/3/17	3062
	39.85000	0.10000	9/6/17	3062
	31.10000	0.05000	10/4/17	3062
	30.80000	-0.25000	11/3/17	3062
	36.00000	-0.25000	12/5/17	3062
	52.60000	0.20000	1/4/18	3062
	76.35000	2.35000	2/5/18	3062
	76.35000	2.25000	3/5/18	3062
	46.00000	-0.80000	4/4/18	3062
	37.95000	-0.65000	5/3/18	3062
	30.70000	-0.60000	6/5/18	3062
	33.65000	-0.65000	7/5/18	3062
	42.65000	-0.80000	8/3/18	3062
	38.60000	-0.75000	9/6/18	3062
	29.95000	-0.45000	10/3/18	3062
	32.80000	-0.65000	11/5/18	3062
	40.50000	-0.80000	12/5/18	3062
	52.65000	-1.05000	1/4/19	3062
	78.05000	1.45000	2/5/19	3062
	77.90000	1.35000	3/5/19	3062

	49.35000	0.90000	4/3/19	3062
	40.50000	0.75000	5/3/19	3062
	30.60000	0.55000	6/5/19	3062
	36.55000	1.00000	7/3/19	3062
	42.95000	0.80000	8/5/19	3062
	39.05000	0.70000	9/5/19	3062
	30.90000	0.55000	10/3/19	3062
	33.20000	0.60000	11/5/19	3062
	42.50000	0.80000	12/4/19	3062
	52.65000	1.00000	1/6/20	3062
	77.90000	1.05000	2/5/20	3062
	79.25000	1.05000	3/4/20	3062
	49.85000	0.65000	4/3/20	3062
	36.05000	0.50000	5/5/20	3062
	32.00000	0.40000	6/3/20	3062
	34.00000	0.80000	7/6/20	3062
	42.25000	0.55000	8/5/20	3062
	41.90000	0.55000	9/3/20	3062
	32.25000	0.40000	10/5/20	3062
	35.35000	0.45000	11/4/20	3062
	43.25000	0.60000	12/3/20	3062
	54.80000	0.75000	1/6/21	3062
	25.65000	0.00000	10/5/16	3066
	18.24000	0.07000	11/3/16	3066
	25.55000	-0.25000	12/5/16	3066
	39.60000	0.15000	1/5/17	3066

	59.30000	0.15000	2/3/17	3066
	56.40000	0.15000	3/3/17	3066
	38.90000	0.10000	4/5/17	3066
	24.85000	0.00000	5/3/17	3066
	21.70000	0.25000	6/5/17	3066
	21.35000	0.00000	7/6/17	3066
	24.60000	0.00000	8/3/17	3066
	20.65000	0.00000	9/6/17	3066
	21.15000	0.00000	10/4/17	3066
	22.55000	0.00000	11/3/17	3066
	27.60000	0.00000	12/5/17	3066
	39.20000	0.00000	1/4/18	3066
	60.90000	-1.30000	2/5/18	3066
	57.00000	-1.25000	3/5/18	3066
	35.25000	-0.90000	4/4/18	3066
	31.20000	-0.65000	5/3/18	3066
	22.60000	-0.50000	6/5/18	3066
	21.65000	-0.50000	7/5/18	3066
	24.45000	-0.55000	8/3/18	3066
	20.95000	-0.55000	9/6/18	3066
	22.95000	-0.55000	10/3/18	3066
	21.85000	-0.50000	11/5/18	3066
	30.55000	-0.70000	12/5/18	3066
	37.50000	-0.35000	1/4/19	3066
	62.25000	-1.30000	2/5/19	3066
	58.25000	-1.20000	3/5/19	3066

	34.35000	-0.85000	4/3/19	3066
	31.40000	-0.55000	5/3/19	3066
	22.30000	-0.45000	6/5/19	3066
	21.85000	-0.45000	7/3/19	3066
	24.60000	-0.50000	8/5/19	3066
	21.10000	-0.50000	9/5/19	3066
	24.15000	-0.40000	10/3/19	3066
	21.90000	-0.45000	11/5/19	3066
	30.35000	-0.65000	12/4/19	3066
	38.45000	-0.85000	1/6/20	3066
	64.30000	-1.30000	2/5/20	3066
	60.25000	-1.25000	3/4/20	3066
	36.25000	-0.80000	4/3/20	3066
	33.05000	-0.60000	5/5/20	3066
	23.50000	-0.45000	6/3/20	3066
	22.90000	-0.45000	7/6/20	3066
	25.95000	-0.50000	8/5/20	3066
	22.20000	-0.45000	9/3/20	3066
	25.20000	-0.50000	10/5/20	3066
	22.95000	-0.45000	11/4/20	3066
	31.85000	-0.65000	12/3/20	3066
	38.15000	-0.80000	1/6/21	3066
	22.49000	-0.25000	10/31/16	18467
	23.85000	0.20000	11/30/16	18467
	27.30000	-0.35000	12/30/16	18467
	27.25000	-0.70000	1/31/17	18467

	26.00000	-0.75000	2/28/17	18467
	22.35000	-0.10000	3/31/17	18467
	19.05000	0.00000	4/28/17	18467
	20.45000	0.00000	5/31/17	18467
	22.30000	-0.25000	6/30/17	18467
	24.95000	-0.10000	7/31/17	18467
	25.10000	-0.15000	8/31/17	18467
	24.95000	-0.05000	9/29/17	18467
	23.15000	0.05000	10/31/17	18467
	23.30000	0.00000	11/30/17	18467
	26.45000	-0.05000	12/29/17	18467
	25.80000	-0.05000	1/31/18	18467
	26.40000	-0.05000	2/28/18	18467
	24.45000	-0.05000	3/29/18	18467
	19.60000	-0.05000	4/30/18	18467
	19.20000	-0.05000	5/31/18	18467
	21.60000	-0.05000	6/29/18	18467
	24.15000	-0.05000	7/31/18	18467
	24.20000	-0.05000	8/31/18	18467
	25.00000	-0.05000	9/28/18	18467
	24.95000	-0.05000	10/31/18	18467
	26.05000	-0.05000	11/30/18	18467
	27.70000	-0.05000	12/31/18	18467
	27.65000	0.00000	1/31/19	18467
	27.75000	0.00000	2/28/19	18467
	26.05000	0.00000	3/29/19	18467

	16.10000	0.00000	4/30/19	18467
	16.20000	0.00000	5/31/19	18467
	16.80000	0.00000	6/28/19	18467
	25.95000	0.00000	7/31/19	18467
	26.10000	0.00000	8/30/19	18467
	26.95000	0.00000	9/30/19	18467
	27.30000	0.00000	10/31/19	18467
	28.50000	0.00000	11/27/19	18467
	30.00000	0.00000	12/31/19	18467
	28.60000	0.00000	1/31/20	18467
	28.55000	0.00000	2/28/20	18467
	27.15000	0.00000	3/31/20	18467
	17.30000	0.00000	4/30/20	18467
	17.20000	0.00000	5/29/20	18467
	17.55000	0.00000	6/30/20	18467
	25.45000	0.00000	7/31/20	18467
	23.90000	0.00000	8/31/20	18467
	24.70000	0.00000	9/30/20	18467
	28.05000	0.00000	10/30/20	18467
	28.45000	0.00000	11/30/20	18467
	29.70000	0.00000	12/31/20	18467
	30.80000	0.00000	1/29/21	18467
	31.15000	0.00000	2/26/21	18467
	28.85000	0.00000	3/31/21	18467
	18.25000	0.00000	4/30/21	18467
	18.40000	0.00000	5/28/21	18467

	19.00000	0.00000	6/30/21	18467
	26.70000	0.00000	7/30/21	18467
	24.80000	0.00000	8/31/21	18467
	26.00000	0.00000	9/30/21	18467
	30.25000	0.00000	10/29/21	18467
	31.80000	0.00000	11/30/21	18467
	33.50000	0.00000	12/31/21	18467
	26.25000	-0.71000	10/31/16	18466
	27.15000	0.20000	11/30/16	18466
	32.65000	-0.05000	12/30/16	18466
	32.10000	-0.85000	1/31/17	18466
	30.70000	-0.85000	2/28/17	18466
	26.90000	-0.55000	3/31/17	18466
	24.30000	-0.05000	4/28/17	18466
	24.75000	0.35000	5/31/17	18466
	29.05000	-0.30000	6/30/17	18466
	37.40000	0.10000	7/31/17	18466
	36.90000	0.10000	8/31/17	18466
	30.05000	0.05000	9/29/17	18466
	27.55000	-0.60000	10/31/17	18466
	27.45000	-0.65000	11/30/17	18466
	30.60000	-0.55000	12/29/17	18466
	29.45000	0.00000	1/31/18	18466
	29.40000	0.00000	2/28/18	18466
	29.30000	0.00000	3/29/18	18466
	22.15000	0.00000	4/30/18	18466

	24.80000	0.00000	5/31/18	18466
	27.95000	0.00000	6/29/18	18466
	37.15000	0.00000	7/31/18	18466
	37.25000	0.00000	8/31/18	18466
	29.25000	0.00000	9/28/18	18466
	29.45000	0.00000	10/31/18	18466
	29.50000	0.00000	11/30/18	18466
	31.10000	0.00000	12/31/18	18466
	30.35000	0.00000	1/31/19	18466
	30.40000	0.00000	2/28/19	18466
	30.55000	0.00000	3/29/19	18466
	23.00000	0.00000	4/30/19	18466
	25.95000	0.00000	5/31/19	18466
	27.15000	0.00000	6/28/19	18466
	36.30000	0.00000	7/31/19	18466
	36.35000	0.00000	8/30/19	18466
	29.05000	0.00000	9/30/19	18466
	31.10000	0.00000	10/31/19	18466
	31.15000	0.00000	11/27/19	18466
	32.95000	0.00000	12/31/19	18466
	31.10000	0.00000	1/31/20	18466
	31.10000	0.00000	2/28/20	18466
	30.95000	0.00000	3/31/20	18466
	23.10000	0.00000	4/30/20	18466
	26.05000	0.00000	5/29/20	18466
	27.30000	0.00000	6/30/20	18466

	39.05000	0.00000	7/31/20	18466
	37.15000	0.00000	8/31/20	18466
	28.70000	0.00000	9/30/20	18466
	30.90000	0.00000	10/30/20	18466
	31.25000	0.00000	11/30/20	18466
	33.30000	0.00000	12/31/20	18466
	32.05000	0.00000	1/29/21	18466
	31.80000	0.00000	2/26/21	18466
	31.90000	0.00000	3/31/21	18466
	24.10000	0.00000	4/30/21	18466
	27.15000	0.00000	5/28/21	18466
	28.40000	0.00000	6/30/21	18466
	39.95000	0.00000	7/30/21	18466
	38.05000	0.00000	8/31/21	18466
	29.50000	0.00000	9/30/21	18466
	31.40000	0.00000	10/29/21	18466
	32.40000	0.00000	11/30/21	18466
	34.05000	0.00000	12/31/21	18466
	24.18000	0.00000	10/4/16	554
	19.10000	0.00000	10/5/16	554
	23.92000	0.00000	10/6/16	554
	22.96000	0.00000	10/7/16	554
	22.37000	0.00000	10/10/16	554
	21.64000	0.00000	10/10/16	554
	21.15000	0.00000	10/10/16	554
	23.63000	1.03000	10/11/16	554

	24.50000	0.00000	10/12/16	554
	24.50000	3.36000	10/13/16	554
	21.66000	0.52000	10/14/16	554
	21.66000	0.52000	10/17/16	554
	21.00000	0.00000	10/17/16	554
	21.00000	0.00000	10/17/16	554
	21.66000	0.52000	10/18/16	554
	21.66000	0.52000	10/19/16	554
	21.66000	0.52000	10/20/16	554
	21.66000	0.52000	10/21/16	554
	21.66000	0.52000	10/24/16	554
	20.82000	0.27000	10/24/16	554
	20.82000	0.27000	10/24/16	554
	21.66000	0.52000	10/25/16	554
	21.66000	0.52000	10/26/16	554
	21.66000	0.52000	10/27/16	554
	21.66000	0.52000	10/28/16	554
	21.66000	0.52000	10/31/16	554
	20.82000	0.27000	10/31/16	554
	20.82000	0.27000	10/31/16	554
	21.66000	0.52000	11/1/16	554
	21.66000	0.52000	11/2/16	554
	21.66000	0.52000	11/3/16	554
	21.66000	0.52000	11/4/16	554
	21.66000	0.52000	11/7/16	554
	20.82000	0.27000	11/7/16	554

	20.82000	0.27000	11/7/16	554
	21.66000	0.52000	11/8/16	554
	21.50000	-0.06000	11/9/16	554
	21.50000	-0.06000	11/10/16	554
	21.50000	-0.06000	11/11/16	554
	21.50000	-0.06000	11/14/16	554
	20.83000	0.09000	11/14/16	554
	20.83000	0.09000	11/14/16	554
	21.50000		11/15/16	554
	21.50000		11/16/16	554
	21.50000		11/17/16	554
	44.80000	0.02000	10/28/16	15902
	53.50000	0.90000	11/29/16	15902
	53.83000	0.61000	12/30/16	15902
	53.28000	0.46000	1/30/17	15902
	50.20000	0.46000	2/27/17	15902
	46.53000	0.46000	3/30/17	15902
	39.79000	-0.26000	4/28/17	15902
	36.83000	-0.26000	5/30/17	15902
	36.18000	-0.26000	6/29/17	15902
	40.89000	-0.26000	7/28/17	15902
	42.19000	-0.26000	8/30/17	15902
	43.83000	-0.26000	9/29/17	15902
	43.09000	-0.26000	10/30/17	15902
	44.20000	-0.26000	11/29/17	15902
	44.15000	-0.26000	12/29/17	15902

	43.09000	-0.22000	1/30/18	15902
	42.23000	-0.22000	2/27/18	15902
	39.34000	-0.22000	3/29/18	15902
	37.94000	-0.22000	4/27/18	15902
	37.55000	-0.22000	5/30/18	15902
	39.06000	-0.22000	6/29/18	15902
	39.85000	-0.22000	7/30/18	15902
	40.11000	-0.22000	8/30/18	15902
	41.51000	-0.22000	9/28/18	15902
	43.60000	-0.22000	10/30/18	15902
	45.88000	-0.22000	11/29/18	15902
	47.04000	-0.22000	12/28/18	15902
	44.86000	-0.22000	1/30/19	15902
	43.56000	-0.22000	2/27/19	15902
	40.35000	-0.22000	3/29/19	15902
	38.69000	-0.22000	4/29/19	15902
	37.98000	-0.22000	5/30/19	15902
	39.10000	-0.22000	6/28/19	15902
	39.58000	-0.22000	7/30/19	15902
	39.54000	-0.22000	8/30/19	15902
	40.59000	-0.22000	9/27/19	15902
	42.25000	-0.22000	10/30/19	15902
	44.13000	-0.22000	11/29/19	15902
	44.95000	-0.22000	12/30/19	15902
	43.62000	-0.22000	1/30/20	15902
	42.46000	-0.22000	2/28/20	15902

	39.46000	-0.22000	3/30/20	15902
	37.82000	-0.22000	4/29/20	15902
	37.08000	-0.22000	5/29/20	15902
	38.06000	-0.22000	6/29/20	15902
	38.43000	-0.22000	7/30/20	15902
	38.32000	-0.22000	8/28/20	15902
	39.24000	-0.22000	9/29/20	15902
	40.73000	-0.22000	10/30/20	15902
	42.43000	-0.22000	11/27/20	15902
	43.14000	-0.22000	12/30/20	15902
	41.57000	-0.22000	1/29/21	15902
	40.41000	-0.22000	2/26/21	15902
	37.41000	-0.22000	3/30/21	15902
	35.77000	-0.22000	4/29/21	15902
	34.67000	-0.22000	5/28/21	15902
	35.65000	-0.22000	6/29/21	15902
	36.02000	-0.22000	7/30/21	15902
	35.91000	-0.22000	8/30/21	15902
	51.94000	-0.25000	10/28/16	15903
	62.19000	1.44000	11/29/16	15903
	61.75000	1.44000	12/29/16	15903
	62.37000	0.60000	1/30/17	15903
	59.76000	0.60000	2/27/17	15903
	53.13000	0.60000	3/30/17	15903
	43.06000	-1.30000	4/27/17	15903
	40.44000	-1.30000	5/30/17	15903

	42.24000	-1.30000	6/29/17	15903
	47.97000	-1.55000	7/28/17	15903
	47.47000	-1.55000	8/30/17	15903
	47.68000	-1.55000	9/28/17	15903
	50.37000	-1.70000	10/30/17	15903
	53.12000	-1.70000	11/29/17	15903
	51.77000	-1.70000	12/28/17	15903
	49.27000	-1.70000	1/30/18	15903
	49.48000	-1.70000	2/27/18	15903
	45.47000	-1.70000	3/28/18	15903
	41.98000	-1.70000	4/27/18	15903
	40.10000	-1.70000	5/30/18	15903
	42.14000	-1.70000	6/28/18	15903
	44.49000	-1.70000	7/30/18	15903
	45.14000	-1.70000	8/30/18	15903
	46.62000	-1.70000	9/27/18	15903
	53.02000	-1.70000	10/30/18	15903
	58.05000	-1.70000	11/29/18	15903
	59.29000	-1.70000	12/28/18	15903
	55.84000	-1.70000	1/30/19	15903
	55.28000	-1.70000	2/27/19	15903
	50.70000	-1.70000	3/28/19	15903
	46.61000	-1.70000	4/29/19	15903
	44.05000	-1.70000	5/30/19	15903
	45.24000	-1.70000	6/27/19	15903
	46.74000	-1.70000	7/30/19	15903

	46.61000	-1.70000	8/29/19	15903
	47.26000	-1.70000	9/27/19	15903
	52.62000	-1.70000	10/30/19	15903
	56.68000	-1.70000	11/28/19	15903
	57.11000	-1.70000	12/30/19	15903
	55.96000	-1.70000	1/30/20	15903
	55.40000	-1.70000	2/27/20	15903
	50.80000	-1.70000	3/30/20	15903
	46.70000	-1.70000	4/29/20	15903
	44.13000	-1.70000	5/28/20	15903
	45.33000	-1.70000	6/29/20	15903
	46.82000	-1.70000	7/30/20	15903
	46.69000	-1.70000	8/28/20	15903
	47.35000	-1.70000	9/29/20	15903
	52.73000	-1.70000	10/29/20	15903
	56.80000	-1.70000	11/27/20	15903
	57.23000	-1.70000	12/30/20	15903
	57.23000	-1.70000	1/28/21	15903
	56.67000	-1.70000	2/25/21	15903
	52.07000	-1.70000	3/30/21	15903
	47.97000	-1.70000	4/29/21	15903
	44.15000	-1.70000	5/28/21	15903
	45.35000	-1.70000	6/29/21	15903
	46.84000	-1.70000	7/29/21	15903
	46.71000	-1.70000	8/30/21	15903
	37.53000	0.00000	10/5/16	3257

	26.94000	-0.01000	11/3/16	3257
	35.25000	0.30000	12/5/16	3257
	52.45000	0.85000	1/5/17	3257
	78.40000	0.95000	2/3/17	3257
	76.90000	1.00000	3/3/17	3257
	42.65000	0.45000	4/5/17	3257
	35.10000	-0.05000	5/3/17	3257
	31.95000	0.00000	6/5/17	3257
	35.00000	0.10000	7/6/17	3257
	42.55000	0.10000	8/3/17	3257
	40.90000	0.10000	9/6/17	3257
	32.05000	0.05000	10/4/17	3257
	30.50000	-0.25000	11/3/17	3257
	36.90000	-0.25000	12/5/17	3257
	51.90000	0.20000	1/4/18	3257
	79.75000	2.35000	2/5/18	3257
	75.50000	2.25000	3/5/18	3257
	40.30000	-0.80000	4/4/18	3257
	36.80000	-0.65000	5/3/18	3257
	30.90000	-0.60000	6/5/18	3257
	32.75000	-0.65000	7/5/18	3257
	42.75000	-0.80000	8/3/18	3257
	38.80000	-0.75000	9/6/18	3257
	30.70000	-0.45000	10/3/18	3257
	32.80000	-0.65000	11/5/18	3257
	41.70000	-0.80000	12/5/18	3257

	51.90000	-1.05000	1/4/19	3257
	81.55000	1.45000	2/5/19	3257
	77.45000	1.35000	3/5/19	3257
	44.05000	0.90000	4/3/19	3257
	39.50000	0.75000	5/3/19	3257
	32.50000	0.55000	6/5/19	3257
	34.95000	1.00000	7/3/19	3257
	43.85000	0.80000	8/5/19	3257
	39.90000	0.70000	9/5/19	3257
	32.75000	0.55000	10/3/19	3257
	35.35000	0.60000	11/5/19	3257
	45.15000	0.80000	12/4/19	3257
	55.85000	1.00000	1/6/20	3257
	84.90000	1.05000	2/5/20	3257
	81.70000	1.05000	3/4/20	3257
	45.85000	0.65000	4/3/20	3257
	36.55000	0.50000	5/5/20	3257
	33.65000	0.40000	6/3/20	3257
	34.60000	0.80000	7/6/20	3257
	44.30000	0.55000	8/5/20	3257
	43.90000	0.55000	9/3/20	3257
	34.45000	0.40000	10/5/20	3257
	36.85000	0.45000	11/4/20	3257
	46.40000	0.60000	12/3/20	3257
	56.90000	0.75000	1/6/21	3257
	20.97000	0.00000	10/5/16	3260

	17.44000	0.09000	11/3/16	3260
	24.80000	-0.25000	12/5/16	3260
	39.30000	0.15000	1/5/17	3260
	58.15000	0.15000	2/3/17	3260
	55.50000	0.15000	3/3/17	3260
	38.30000	0.10000	4/5/17	3260
	23.95000	0.00000	5/3/17	3260
	20.35000	0.25000	6/5/17	3260
	19.95000	0.00000	7/6/17	3260
	23.15000	0.00000	8/3/17	3260
	19.00000	0.00000	9/6/17	3260
	19.90000	0.00000	10/4/17	3260
	20.90000	0.00000	11/3/17	3260
	26.10000	0.00000	12/5/17	3260
	38.70000	0.00000	1/4/18	3260
	63.45000	-1.30000	2/5/18	3260
	59.55000	-1.25000	3/5/18	3260
	33.65000	-0.90000	4/4/18	3260
	26.70000	-0.65000	5/3/18	3260
	23.25000	-0.50000	6/5/18	3260
	18.30000	-0.50000	7/5/18	3260
	21.55000	-0.55000	8/3/18	3260
	18.05000	-0.55000	9/6/18	3260
	21.55000	-0.55000	10/3/18	3260
	24.05000	-0.50000	11/5/18	3260
	29.80000	-0.70000	12/5/18	3260

	36.85000	-0.35000	1/4/19	3260
	69.05000	-1.30000	2/5/19	3260
	64.80000	-1.20000	3/5/19	3260
	35.00000	-0.85000	4/3/19	3260
	28.80000	-0.55000	5/3/19	3260
	24.55000	-0.45000	6/5/19	3260
	19.80000	-0.45000	7/3/19	3260
	23.20000	-0.50000	8/5/19	3260
	19.50000	-0.50000	9/5/19	3260
	24.35000	-0.40000	10/3/19	3260
	25.75000	-0.45000	11/5/19	3260
	31.60000	-0.65000	12/4/19	3260
	40.30000	-0.85000	1/6/20	3260
	67.20000	-1.30000	2/5/20	3260
	63.15000	-1.25000	3/4/20	3260
	35.40000	-0.80000	4/3/20	3260
	28.25000	-0.60000	5/5/20	3260
	24.55000	-0.45000	6/3/20	3260
	19.35000	-0.45000	7/6/20	3260
	23.10000	-0.50000	8/5/20	3260
	19.10000	-0.45000	9/3/20	3260
	23.75000	-0.50000	10/5/20	3260
	25.90000	-0.45000	11/4/20	3260
	32.35000	-0.65000	12/3/20	3260
	37.10000	-0.80000	1/6/21	3260
	21.30000	0.00000	10/4/16	2147

	21.87000	-13.33000	10/5/16	2147
	34.35000	8.10000	10/6/16	2147
	26.95000	0.70000	10/7/16	2147
	26.95000	0.70000	10/10/16	2147
	26.85000	0.00000	10/10/16	2147
	26.85000	0.00000	10/10/16	2147
	26.95000	0.70000	10/11/16	2147
	26.95000	0.70000	10/12/16	2147
	26.95000	0.70000	10/13/16	2147
	26.95000	0.70000	10/14/16	2147
	26.95000	0.70000	10/17/16	2147
	24.11000	0.31000	10/17/16	2147
	24.11000	0.31000	10/17/16	2147
	26.95000	0.70000	10/18/16	2147
	26.95000	0.70000	10/19/16	2147
	26.95000	0.70000	10/20/16	2147
	26.95000	0.70000	10/21/16	2147
	26.95000	0.70000	10/24/16	2147
	24.11000	0.31000	10/24/16	2147
	24.11000	0.31000	10/24/16	2147
	26.95000	0.70000	10/25/16	2147
	26.95000	0.70000	10/26/16	2147
	26.95000	0.70000	10/27/16	2147
	26.95000	0.70000	10/28/16	2147
	26.95000	0.70000	10/31/16	2147
	24.11000	0.31000	10/31/16	2147

	24.11000	0.31000	10/31/16	2147
	26.95000	0.70000	11/1/16	2147
	27.70000	1.30000	11/2/16	2147
	27.70000	1.30000	11/3/16	2147
	27.70000	1.30000	11/4/16	2147
	27.70000	1.30000	11/7/16	2147
	24.93000	1.17000	11/7/16	2147
	24.93000	1.17000	11/7/16	2147
	27.70000		11/8/16	2147
	27.70000		11/9/16	2147
	27.70000		11/10/16	2147
	29.90000	0.00000	10/4/16	2148
	26.79000	0.35000	11/2/16	2148
	27.70000	1.30000	12/2/16	2148
	37.30000	0.50000	1/4/17	2148
	59.45000	0.25000	2/2/17	2148
	58.20000	0.35000	3/2/17	2148
	39.05000	0.45000	4/4/17	2148
	30.70000	0.10000	5/2/17	2148
	31.25000	0.15000	6/2/17	2148
	32.80000	0.10000	7/5/17	2148
	41.15000	0.15000	8/2/17	2148
	37.35000	0.10000	9/5/17	2148
	31.15000	0.15000	10/3/17	2148
	29.25000	0.15000	11/2/17	2148
	30.20000	0.30000	12/4/17	2148

	37.55000	0.20000	1/3/18	2148
	61.55000	0.30000	2/2/18	2148
	57.35000	0.30000	3/2/18	2148
	35.80000	0.10000	4/3/18	2148
	28.40000	0.10000	5/2/18	2148
	29.35000	0.00000	6/4/18	2148
	29.55000	0.00000	7/3/18	2148
	39.45000	0.00000	8/2/18	2148
	35.90000	0.00000	9/5/18	2148
	28.90000	0.15000	10/2/18	2148
	26.55000	0.00000	11/2/18	2148
	27.35000	0.00000	12/4/18	2148
	33.80000	0.00000	1/3/19	2148
	60.70000	-0.15000	2/4/19	2148
	56.95000	-0.10000	3/4/19	2148
	34.70000	-0.10000	4/2/19	2148
	28.95000	-0.05000	5/2/19	2148
	27.15000	-0.05000	6/4/19	2148
	29.60000	0.30000	7/2/19	2148
	41.10000	-0.10000	8/2/19	2148
	36.40000	-0.10000	9/4/19	2148
	27.70000	-0.05000	10/2/19	2148
	27.15000	-0.05000	11/4/19	2148
	28.05000	-0.05000	12/3/19	2148
	33.40000	-0.10000	1/3/20	2148
	61.00000	-0.15000	2/4/20	2148

	56.50000	-0.10000	3/3/20	2148
	34.70000	-0.10000	4/2/20	2148
	28.55000	-0.05000	5/4/20	2148
	29.35000	-0.10000	6/2/20	2148
	30.10000	0.30000	7/2/20	2148
	40.95000	-0.10000	8/4/20	2148
	36.40000	-0.10000	9/2/20	2148
	27.90000	-0.05000	10/2/20	2148
	26.70000	-0.05000	11/3/20	2148
	27.40000	-0.05000	12/2/20	2148
	33.85000	-0.10000	1/5/21	2148
	12.10000	0.00000	10/4/16	2149
	13.58000	-5.87000	10/5/16	2149
	19.15000	5.66000	10/6/16	2149
	13.88000	0.39000	10/7/16	2149
	13.88000	0.39000	10/10/16	2149
	16.20000	0.00000	10/10/16	2149
	16.20000	0.00000	10/10/16	2149
	13.88000	0.39000	10/11/16	2149
	13.88000	0.39000	10/12/16	2149
	13.88000	0.39000	10/13/16	2149
	13.88000	0.39000	10/14/16	2149
	13.88000	0.39000	10/17/16	2149
	16.69000	0.23000	10/17/16	2149
	16.69000	0.23000	10/17/16	2149
	13.88000	0.39000	10/18/16	2149

	13.88000	0.39000	10/19/16	2149
	13.88000	0.39000	10/20/16	2149
	13.88000	0.39000	10/21/16	2149
	13.88000	0.39000	10/24/16	2149
	16.69000	0.23000	10/24/16	2149
	16.69000	0.23000	10/24/16	2149
	13.88000	0.39000	10/25/16	2149
	13.88000	0.39000	10/26/16	2149
	13.88000	0.39000	10/27/16	2149
	13.88000	0.39000	10/28/16	2149
	13.88000	0.39000	10/31/16	2149
	16.69000	0.23000	10/31/16	2149
	16.69000	0.23000	10/31/16	2149
	13.88000	0.39000	11/1/16	2149
	14.57000	-1.00000	11/2/16	2149
	14.57000	-1.00000	11/3/16	2149
	14.57000	-1.00000	11/4/16	2149
	14.57000	-1.00000	11/7/16	2149
	19.35000	0.00000	11/7/16	2149
	19.35000	0.00000	11/7/16	2149
	14.57000		11/8/16	2149
	14.57000		11/9/16	2149
	14.57000		11/10/16	2149
	16.34000	0.00000	10/4/16	2150
	17.56000	0.23000	11/2/16	2150
	19.35000	0.00000	12/2/16	2150

	27.20000	0.20000	1/4/17	2150
	46.85000	0.20000	2/2/17	2150
	42.15000	0.15000	3/2/17	2150
	26.70000	0.00000	4/4/17	2150
	20.00000	0.00000	5/2/17	2150
	17.55000	0.25000	6/2/17	2150
	18.15000	0.00000	7/5/17	2150
	21.00000	0.00000	8/2/17	2150
	19.00000	0.00000	9/5/17	2150
	18.15000	0.00000	10/3/17	2150
	19.55000	0.00000	11/2/17	2150
	20.70000	0.00000	12/4/17	2150
	26.45000	0.00000	1/3/18	2150
	50.20000	0.15000	2/2/18	2150
	46.10000	0.15000	3/2/18	2150
	28.40000	0.05000	4/3/18	2150
	22.40000	0.05000	5/2/18	2150
	18.10000	0.00000	6/4/18	2150
	17.70000	0.00000	7/3/18	2150
	20.00000	0.05000	8/2/18	2150
	19.70000	0.05000	9/5/18	2150
	17.90000	0.00000	10/2/18	2150
	19.30000	0.00000	11/2/18	2150
	20.15000	0.05000	12/4/18	2150
	24.35000	0.05000	1/3/19	2150
	46.50000	0.05000	2/4/19	2150

	43.05000	0.05000	3/4/19	2150
	26.50000	0.05000	4/2/19	2150
	20.70000	0.05000	5/2/19	2150
	18.50000	0.05000	6/4/19	2150
	18.20000	0.05000	7/2/19	2150
	21.30000	0.05000	8/2/19	2150
	20.45000	0.05000	9/4/19	2150
	18.40000	0.05000	10/2/19	2150
	18.40000	0.05000	11/4/19	2150
	19.65000	0.05000	12/3/19	2150
	23.70000	0.05000	1/3/20	2150
	46.20000	0.05000	2/4/20	2150
	42.65000	0.05000	3/3/20	2150
	27.50000	0.05000	4/2/20	2150
	20.25000	0.05000	5/4/20	2150
	18.70000	0.05000	6/2/20	2150
	18.40000	0.05000	7/2/20	2150
	21.10000	0.05000	8/4/20	2150
	20.50000	0.05000	9/2/20	2150
	17.40000	0.05000	10/2/20	2150
	18.85000	0.05000	11/3/20	2150
	19.20000	0.05000	12/2/20	2150
	25.35000	0.05000	1/5/21	2150
	22.54000	0.00000	10/4/16	550
	20.65000	0.00000	10/5/16	550
	21.88000	-2.92000	10/6/16	550

	26.10000	1.30000	10/7/16	550
	26.10000	1.30000	10/10/16	550
	19.30000	0.00000	10/10/16	550
	19.30000	0.00000	10/10/16	550
	26.38000	-1.09000	10/11/16	550
	26.38000	-1.09000	10/12/16	550
	26.38000	-1.09000	10/13/16	550
	26.38000	-1.09000	10/14/16	550
	26.38000	-1.09000	10/17/16	550
	21.83000	-0.72000	10/17/16	550
	21.83000	-0.72000	10/17/16	550
	26.38000	-1.09000	10/18/16	550
	26.38000	-1.09000	10/19/16	550
	26.38000	-1.09000	10/20/16	550
	26.38000	-1.09000	10/21/16	550
	26.38000	-1.09000	10/24/16	550
	21.83000	-0.72000	10/24/16	550
	21.83000	-0.72000	10/24/16	550
	26.38000	-1.09000	10/25/16	550
	26.38000	-1.09000	10/26/16	550
	26.38000	-1.09000	10/27/16	550
	26.38000	-1.09000	10/28/16	550
	26.38000	-1.09000	10/31/16	550
	21.83000	-0.72000	10/31/16	550
	21.83000	-0.72000	10/31/16	550
	26.38000	-1.09000	11/1/16	550

	32.55000	-0.45000	11/2/16	550
	32.55000	-0.45000	11/3/16	550
	32.55000	-0.45000	11/4/16	550
	32.55000	-0.45000	11/7/16	550
	27.67000	-0.38000	11/7/16	550
	27.67000	-0.38000	11/7/16	550
	32.55000		11/8/16	550
	32.55000		11/9/16	550
	32.55000		11/10/16	550
	26.36000	0.00000	10/7/16	5767
	27.81000	0.22000	11/7/16	5767
	28.10000	0.10000	12/7/16	5767
	29.50000	0.20000	1/9/17	5767
	31.55000	0.20000	2/7/17	5767
	27.70000	0.15000	3/7/17	5767
	27.10000	0.00000	4/7/17	5767
	21.75000	0.00000	5/5/17	5767
	23.95000	0.25000	6/7/17	5767
	24.60000	0.00000	7/10/17	5767
	27.05000	0.00000	8/7/17	5767
	24.65000	0.00000	9/8/17	5767
	24.85000	0.00000	10/6/17	5767
	23.35000	0.00000	11/7/17	5767
	23.05000	0.00000	12/7/17	5767
	27.10000	0.00000	1/8/18	5767
	38.55000	0.15000	2/7/18	5767

	35.60000	0.15000	3/7/18	5767
	28.45000	0.05000	4/6/18	5767
	26.65000	0.05000	5/7/18	5767
	23.10000	0.00000	6/7/18	5767
	24.30000	0.00000	7/9/18	5767
	26.15000	0.05000	8/7/18	5767
	25.75000	0.05000	9/10/18	5767
	22.95000	0.00000	10/5/18	5767
	24.35000	0.00000	11/7/18	5767
	25.30000	0.05000	12/7/18	5767
	26.20000	0.05000	1/8/19	5767
	40.43000	0.00000	10/7/16	5766
	37.10000	0.92000	11/7/16	5766
	36.55000	0.35000	12/7/16	5766
	36.30000	0.50000	1/9/17	5766
	38.80000	0.25000	2/7/17	5766
	37.45000	0.35000	3/7/17	5766
	35.15000	0.45000	4/7/17	5766
	33.85000	0.10000	5/5/17	5766
	35.25000	0.15000	6/7/17	5766
	35.50000	0.10000	7/10/17	5766
	43.30000	0.00000	8/7/17	5766
	38.25000	0.00000	9/8/17	5766
	33.30000	0.15000	10/6/17	5766
	31.50000	0.15000	11/7/17	5766
	31.10000	0.30000	12/7/17	5766

	32.35000	0.15000	1/8/18	5766
	45.20000	0.30000	2/7/18	5766
	42.50000	0.30000	3/7/18	5766
	35.55000	0.10000	4/6/18	5766
	32.25000	0.10000	5/7/18	5766
	33.85000	0.00000	6/7/18	5766
	34.55000	0.00000	7/9/18	5766
	42.75000	0.00000	8/7/18	5766
	38.75000	0.00000	9/10/18	5766
	34.60000	0.15000	10/5/18	5766
	34.15000	0.00000	11/7/18	5766
	34.65000	0.00000	12/7/18	5766
	33.00000	0.00000	1/8/19	5766
	197.50000	-2.50000	7/28/20	19122
	197.50000	-2.50000	8/26/20	19122
	197.50000	-2.50000	10/27/20	19122
	197.50000	-2.50000	1/26/21	19122
	197.50000	-2.50000	4/27/21	19122
	197.50000	-2.50000	5/25/21	19122
	175.00000	0.00000	7/27/21	19123
	175.00000	0.00000	8/26/21	19123
	175.00000	0.00000	10/26/21	19123
	175.00000	0.00000	1/26/22	19123
	175.00000	0.00000	4/26/22	19123
	175.00000	0.00000	5/25/22	19123
	150.00000	0.00000	7/26/22	19124

	150.00000	0.00000	8/26/22	19124
	150.00000	0.00000	10/26/22	19124
	150.00000	0.00000	1/26/23	19124
	150.00000	0.00000	4/25/23	19124
	150.00000	0.00000	5/25/23	19124
	150.00000	0.00000	7/26/23	19125
	150.00000	0.00000	8/28/23	19125
	150.00000	0.00000	10/26/23	19125
	150.00000	0.00000	1/26/24	19125
	150.00000	0.00000	4/25/24	19125
	150.00000	0.00000	5/28/24	19125
	276.00000	0.00000	10/26/16	18625
	276.00000	0.00000	1/26/17	18625
	276.00000	0.00000	4/25/17	18625
	276.00000	0.00000	5/25/17	18625
	289.50000	0.00000	7/26/17	18626
	289.50000	0.00000	8/28/17	18626
	289.50000	0.00000	10/26/17	18626
	289.50000	0.00000	1/26/18	18626
	289.50000	0.00000	4/25/18	18626
	289.50000	0.00000	5/25/18	18626
	289.50000	0.00000	7/26/18	18627
	289.50000	0.00000	8/28/18	18627
	289.50000	0.00000	10/26/18	18627
	289.50000	0.00000	1/28/19	18627
	289.50000	0.00000	4/25/19	18627

	289.50000	0.00000	5/28/19	18627
	242.50000	-5.00000	7/26/19	19121
	242.50000	-5.00000	8/27/19	19121
	242.50000	-5.00000	10/28/19	19121
	242.50000	-5.00000	1/28/20	19121
	242.50000	-5.00000	4/27/20	19121
	242.50000	-5.00000	5/26/20	19121
	40.75000	0.00000	4/27/21	19255
	40.75000	0.00000	5/25/21	19255
	37.00000	0.00000	4/26/22	19256
	37.00000	0.00000	5/25/22	19256
	32.00000	0.00000	4/25/23	19257
	32.00000	0.00000	5/25/23	19257
	29.00000	0.00000	4/25/24	19258
	29.00000	0.00000	5/28/24	19258
	28.25000	0.00000	4/25/17	15834
	28.25000	0.00000	5/25/17	15834
	32.75000	0.25000	4/25/18	15835
	32.75000	0.25000	5/25/18	15835
	37.25000	0.00000	7/26/18	15957
	37.25000	0.00000	8/28/18	15957
	37.25000	0.00000	4/25/19	15957
	37.25000	0.00000	5/28/19	15957
	37.50000	0.00000	4/27/20	18390
	37.50000	0.00000	5/26/20	18390
	41.70000	0.00000	10/7/16	1860

	34.79000	0.08000	11/7/16	1860
	35.50000	0.35000	12/7/16	1860
	36.85000	0.50000	1/9/17	1860
	43.45000	0.25000	2/7/17	1860
	42.00000	0.35000	3/7/17	1860
	38.50000	0.45000	4/7/17	1860
	35.95000	0.10000	5/5/17	1860
	35.45000	0.15000	6/7/17	1860
	35.05000	0.10000	7/10/17	1860
	42.55000	0.00000	8/7/17	1860
	38.10000	0.00000	9/8/17	1860
	33.50000	0.15000	10/6/17	1860
	32.65000	0.15000	11/7/17	1860
	32.95000	0.30000	12/7/17	1860
	35.30000	0.15000	1/8/18	1860
	46.00000	0.30000	2/7/18	1860
	42.70000	0.30000	3/7/18	1860
	36.95000	0.10000	4/6/18	1860
	33.20000	0.10000	5/7/18	1860
	34.45000	0.00000	6/7/18	1860
	34.75000	0.00000	7/9/18	1860
	43.00000	0.00000	8/7/18	1860
	38.85000	0.00000	9/10/18	1860
	33.05000	0.15000	10/5/18	1860
	32.30000	0.00000	11/7/18	1860
	32.50000	0.00000	12/7/18	1860

	33.70000	0.00000	1/8/19	1860
	45.85000	-0.15000	2/7/19	1860
	42.60000	-0.10000	3/7/19	1860
	35.40000	-0.10000	4/5/19	1860
	32.15000	-0.05000	5/7/19	1860
	33.10000	-0.05000	6/7/19	1860
	34.00000	0.30000	7/8/19	1860
	41.50000	-0.10000	8/7/19	1860
	37.60000	-0.10000	9/9/19	1860
	32.30000	-0.05000	10/7/19	1860
	31.70000	-0.05000	11/7/19	1860
	31.85000	-0.05000	12/6/19	1860
	33.35000	-0.10000	1/8/20	1860
	46.15000	-0.15000	2/7/20	1860
	41.40000	-0.10000	3/6/20	1860
	34.50000	-0.10000	4/7/20	1860
	31.75000	-0.05000	5/7/20	1860
	33.20000	-0.10000	6/5/20	1860
	33.70000	0.30000	7/7/20	1860
	41.70000	-0.10000	8/7/20	1860
	36.35000	-0.10000	9/8/20	1860
	32.00000	-0.05000	10/7/20	1860
	30.95000	-0.05000	11/6/20	1860
	30.25000	-0.05000	12/7/20	1860
	34.25000	-0.10000	1/8/21	1860
	46.95000	-0.10000	2/5/21	1860

	42.60000	-0.10000	3/5/21	1860
	34.65000	-0.05000	4/8/21	1860
	32.50000	-0.05000	5/7/21	1860
	34.10000	-0.05000	6/7/21	1860
	34.30000	-0.05000	7/8/21	1860
	43.40000	-0.05000	8/6/21	1860
	37.70000	-0.05000	9/8/21	1860
	33.10000	-0.05000	10/7/21	1860
	31.70000	-0.05000	11/5/21	1860
	32.50000	-0.05000	12/7/21	1860
	34.05000	-0.05000	1/7/22	1860
	47.35000	-0.10000	2/7/22	1860
	43.55000	-0.10000	3/7/22	1860
	34.90000	-0.05000	4/7/22	1860
	32.55000	-0.05000	5/6/22	1860
	34.65000	-0.05000	6/7/22	1860
	35.35000	-0.05000	7/8/22	1860
	43.85000	-0.05000	8/5/22	1860
	38.15000	-0.05000	9/8/22	1860
	33.75000	-0.05000	10/7/22	1860
	32.80000	-0.05000	11/7/22	1860
	33.40000	-0.05000	12/7/22	1860
	34.50000	-0.05000	1/9/23	1860
	48.45000	-0.10000	2/7/23	1860
	44.65000	-0.10000	3/7/23	1860
	36.00000	-0.05000	4/7/23	1860

	33.70000	-0.05000	5/5/23	1860
	34.90000	-0.05000	6/7/23	1860
	36.05000	-0.05000	7/10/23	1860
	46.00000	-0.05000	8/7/23	1860
	40.10000	-0.05000	9/8/23	1860
	31.90000	-0.05000	10/6/23	1860
	32.65000	-0.05000	11/7/23	1860
	34.40000	-0.05000	12/7/23	1860
	37.85000	-0.05000	1/8/24	1860
	49.30000	-0.10000	2/7/24	1860
	45.85000	-0.10000	3/7/24	1860
	39.95000	-0.05000	4/5/24	1860
	35.85000	-0.05000	5/7/24	1860
	37.05000	-0.05000	6/7/24	1860
	37.25000	-0.05000	7/8/24	1860
	45.90000	-0.05000	8/7/24	1860
	41.45000	-0.05000	9/9/24	1860
	35.85000	-0.05000	10/7/24	1860
	35.00000	-0.05000	11/7/24	1860
	35.10000	-0.05000	12/6/24	1860
	36.10000	-0.05000	1/8/25	1860
	24.80000	0.00000	10/7/16	1861
	24.70000	0.30000	11/7/16	1861
	24.85000	0.10000	12/7/16	1861
	27.50000	0.20000	1/9/17	1861
	34.80000	0.20000	2/7/17	1861

	30.35000	0.15000	3/7/17	1861
	29.20000	0.00000	4/7/17	1861
	23.05000	0.00000	5/5/17	1861
	23.20000	0.25000	6/7/17	1861
	22.60000	0.00000	7/10/17	1861
	25.35000	0.00000	8/7/17	1861
	22.80000	0.00000	9/8/17	1861
	23.10000	0.00000	10/6/17	1861
	23.85000	0.00000	11/7/17	1861
	23.35000	0.00000	12/7/17	1861
	27.85000	0.00000	1/8/18	1861
	35.55000	0.15000	2/7/18	1861
	32.50000	0.15000	3/7/18	1861
	26.90000	0.05000	4/6/18	1861
	24.65000	0.05000	5/7/18	1861
	21.25000	0.00000	6/7/18	1861
	21.85000	0.00000	7/9/18	1861
	23.95000	0.05000	8/7/18	1861
	23.35000	0.05000	9/10/18	1861
	21.00000	0.00000	10/5/18	1861
	22.40000	0.05000	11/7/18	1861
	23.30000	0.05000	12/7/18	1861
	24.50000	0.05000	1/8/19	1861
	35.45000	0.05000	2/7/19	1861
	33.00000	0.05000	3/7/19	1861
	27.05000	0.05000	4/5/19	1861

	23.45000	0.05000	5/7/19	1861
	22.95000	0.05000	6/7/19	1861
	23.55000	0.05000	7/8/19	1861
	26.10000	0.05000	8/7/19	1861
	24.30000	0.05000	9/9/19	1861
	23.30000	0.05000	10/7/19	1861
	23.10000	0.05000	11/7/19	1861
	24.55000	0.05000	12/6/19	1861
	24.30000	0.05000	1/8/20	1861
	35.00000	0.05000	2/7/20	1861
	33.35000	0.05000	3/6/20	1861
	27.45000	0.05000	4/7/20	1861
	23.00000	0.05000	5/7/20	1861
	23.55000	0.05000	6/5/20	1861
	23.50000	0.05000	7/7/20	1861
	26.20000	0.05000	8/7/20	1861
	25.40000	0.05000	9/8/20	1861
	23.30000	0.05000	10/7/20	1861
	23.60000	0.05000	11/6/20	1861
	24.15000	0.05000	12/7/20	1861
	26.25000	0.05000	1/8/21	1861
	35.95000	0.05000	2/5/21	1861
	32.40000	0.05000	3/5/21	1861
	28.05000	0.05000	4/8/21	1861
	22.40000	0.05000	5/7/21	1861
	23.80000	0.05000	6/7/21	1861

	23.20000	0.05000	7/8/21	1861
	25.35000	0.05000	8/6/21	1861
	24.80000	0.05000	9/8/21	1861
	23.85000	0.05000	10/7/21	1861
	22.70000	0.05000	11/5/21	1861
	22.85000	0.05000	12/7/21	1861
	26.15000	0.05000	1/7/22	1861
	36.35000	0.05000	2/7/22	1861
	32.90000	0.05000	3/7/22	1861
	28.70000	0.05000	4/7/22	1861
	24.40000	0.05000	5/6/22	1861
	23.45000	0.05000	6/7/22	1861
	24.75000	0.05000	7/8/22	1861
	27.15000	0.05000	8/5/22	1861
	25.85000	0.05000	9/8/22	1861
	24.65000	0.05000	10/7/22	1861
	23.70000	0.05000	11/7/22	1861
	23.75000	0.05000	12/7/22	1861
	26.40000	0.05000	1/9/23	1861
	36.95000	0.05000	2/7/23	1861
	33.65000	0.05000	3/7/23	1861
	28.85000	0.05000	4/10/23	1861
	25.50000	0.05000	5/5/23	1861
	24.35000	0.05000	6/7/23	1861
	24.85000	0.05000	7/10/23	1861
	24.90000	0.05000	8/7/23	1861

	24.05000	0.05000	9/8/23	1861
	25.55000	0.05000	10/6/23	1861
	24.55000	0.05000	11/7/23	1861
	24.85000	0.05000	12/7/23	1861
	26.80000	0.05000	1/5/24	1861
	41.20000	0.05000	2/7/24	1861
	37.35000	0.05000	3/7/24	1861
	29.75000	0.05000	4/5/24	1861
	27.45000	0.05000	5/7/24	1861
	23.95000	0.05000	6/7/24	1861
	26.05000	0.05000	7/5/24	1861
	27.10000	0.05000	8/7/24	1861
	26.50000	0.05000	9/6/24	1861
	25.25000	0.05000	10/7/24	1861
	25.20000	0.05000	11/7/24	1861
	25.65000	0.05000	12/6/24	1861
	28.40000	0.05000	1/7/25	1861
	39.55000	0.00000	10/7/16	2163
	34.65000	0.07000	11/7/16	2163
	35.30000	0.35000	12/7/16	2163
	36.60000	0.50000	1/9/17	2163
	43.50000	0.25000	2/7/17	2163
	42.10000	0.35000	3/7/17	2163
	38.10000	0.45000	4/7/17	2163
	35.60000	0.10000	5/5/17	2163
	35.30000	0.15000	6/7/17	2163

	34.90000	0.10000	7/10/17	2163
	42.30000	0.00000	8/7/17	2163
	37.95000	0.00000	9/8/17	2163
	33.30000	0.15000	10/6/17	2163
	32.50000	0.15000	11/7/17	2163
	32.80000	0.30000	12/7/17	2163
	35.15000	0.15000	1/8/18	2163
	45.50000	0.30000	2/7/18	2163
	42.20000	0.30000	3/7/18	2163
	36.50000	0.10000	4/6/18	2163
	32.70000	0.10000	5/7/18	2163
	34.10000	0.00000	6/7/18	2163
	34.35000	0.00000	7/9/18	2163
	42.50000	0.00000	8/7/18	2163
	38.35000	0.00000	9/10/18	2163
	32.70000	0.15000	10/5/18	2163
	32.00000	0.00000	11/7/18	2163
	32.20000	0.00000	12/7/18	2163
	33.40000	0.00000	1/8/19	2163
	45.40000	-0.15000	2/7/19	2163
	42.10000	-0.10000	3/7/19	2163
	34.95000	-0.10000	4/5/19	2163
	31.70000	-0.05000	5/7/19	2163
	32.75000	-0.05000	6/7/19	2163
	33.65000	0.30000	7/8/19	2163
	41.00000	-0.10000	8/7/19	2163

	37.10000	-0.10000	9/9/19	2163
	31.95000	-0.05000	10/7/19	2163
	31.40000	-0.05000	11/7/19	2163
	31.55000	-0.05000	12/6/19	2163
	33.05000	-0.10000	1/8/20	2163
	45.65000	-0.15000	2/7/20	2163
	40.90000	-0.10000	3/6/20	2163
	34.05000	-0.10000	4/7/20	2163
	31.30000	-0.05000	5/7/20	2163
	32.85000	-0.10000	6/5/20	2163
	33.35000	0.30000	7/7/20	2163
	41.20000	-0.10000	8/7/20	2163
	35.85000	-0.10000	9/8/20	2163
	31.65000	-0.05000	10/7/20	2163
	30.65000	-0.05000	11/6/20	2163
	29.90000	-0.05000	12/7/20	2163
	33.90000	-0.10000	1/8/21	2163
	46.45000	-0.10000	2/5/21	2163
	42.10000	-0.10000	3/5/21	2163
	34.20000	-0.05000	4/8/21	2163
	32.00000	-0.05000	5/7/21	2163
	33.75000	-0.05000	6/7/21	2163
	33.95000	-0.05000	7/8/21	2163
	42.90000	-0.05000	8/6/21	2163
	37.20000	-0.05000	9/8/21	2163
	32.75000	-0.05000	10/7/21	2163

	31.40000	-0.05000	11/5/21	2163
	32.20000	-0.05000	12/7/21	2163
	33.75000	-0.05000	1/7/22	2163
	46.85000	-0.10000	2/7/22	2163
	43.05000	-0.10000	3/7/22	2163
	34.45000	-0.05000	4/7/22	2163
	32.10000	-0.05000	5/6/22	2163
	34.30000	-0.05000	6/7/22	2163
	35.00000	-0.05000	7/8/22	2163
	43.35000	-0.05000	8/5/22	2163
	37.65000	-0.05000	9/8/22	2163
	33.40000	-0.05000	10/7/22	2163
	32.50000	-0.05000	11/7/22	2163
	33.10000	-0.05000	12/7/22	2163
	34.20000	-0.05000	1/9/23	2163
	47.95000	-0.10000	2/7/23	2163
	44.20000	-0.10000	3/7/23	2163
	35.55000	-0.05000	4/7/23	2163
	33.25000	-0.05000	5/5/23	2163
	34.55000	-0.05000	6/7/23	2163
	35.70000	-0.05000	7/10/23	2163
	45.50000	-0.05000	8/7/23	2163
	39.60000	-0.05000	9/8/23	2163
	31.55000	-0.05000	10/6/23	2163
	32.40000	-0.05000	11/7/23	2163
	34.10000	-0.05000	12/7/23	2163

	37.55000	-0.05000	1/8/24	2163
	48.85000	-0.10000	2/7/24	2163
	45.40000	-0.10000	3/7/24	2163
	39.50000	-0.05000	4/5/24	2163
	35.40000	-0.05000	5/7/24	2163
	36.70000	-0.05000	6/7/24	2163
	36.85000	-0.05000	7/8/24	2163
	45.40000	-0.05000	8/7/24	2163
	40.95000	-0.05000	9/9/24	2163
	35.50000	-0.05000	10/7/24	2163
	34.70000	-0.05000	11/7/24	2163
	34.80000	-0.05000	12/6/24	2163
	35.80000	-0.05000	1/8/25	2163
	29.00000	0.00000	1/26/17	19111
	29.00000	0.00000	2/23/17	19111
	29.00000	0.00000	6/27/17	19112
	29.00000	0.00000	7/26/17	19112
	29.00000	0.00000	1/26/18	19112
	29.00000	0.00000	2/23/18	19112
	25.00000	0.00000	6/26/18	19113
	25.00000	0.00000	7/26/18	19113
	25.00000	0.00000	1/28/19	19113
	25.00000	0.00000	2/25/19	19113
	25.00000	0.00000	6/25/19	19114
	25.00000	0.00000	7/26/19	19114
	25.00000	0.00000	1/28/20	19114

	25.00000	0.00000	2/25/20	19114
	34.48000	0.00000	10/4/16	1613
	35.31000	-3.64000	10/5/16	1613
	38.85000	0.10000	10/6/16	1613
	40.05000	1.30000	10/7/16	1613
	40.05000	1.30000	10/10/16	1613
	29.10000	0.00000	10/10/16	1613
	29.10000	0.00000	10/10/16	1613
	33.80000	0.10000	10/11/16	1613
	33.80000	0.10000	10/12/16	1613
	33.80000	0.10000	10/13/16	1613
	33.80000	0.10000	10/14/16	1613
	33.80000	0.10000	10/17/16	1613
	29.57000	0.07000	10/17/16	1613
	29.57000	0.07000	10/17/16	1613
	33.90000	0.20000	10/18/16	1613
	33.90000	0.20000	10/19/16	1613
	33.90000	0.20000	10/20/16	1613
	33.90000	0.20000	10/21/16	1613
	33.90000	0.20000	10/24/16	1613
	29.57000	0.07000	10/24/16	1613
	29.57000	0.07000	10/24/16	1613
	33.90000	0.20000	10/25/16	1613
	33.90000	0.20000	10/26/16	1613
	33.90000	0.20000	10/27/16	1613
	33.90000	0.20000	10/28/16	1613

	33.90000	0.20000	10/31/16	1613
	29.57000	0.07000	10/31/16	1613
	29.57000	0.07000	10/31/16	1613
	33.90000	0.20000	11/1/16	1613
	35.50000	0.35000	11/2/16	1613
	35.50000	0.35000	11/3/16	1613
	35.50000	0.35000	11/4/16	1613
	35.50000	0.35000	11/7/16	1613
	30.18000	0.30000	11/7/16	1613
	30.18000	0.30000	11/7/16	1613
	35.50000	0.35000	11/8/16	1613
	35.50000	0.35000	11/9/16	1613
	35.50000	0.35000	11/10/16	1613
	35.50000	0.35000	11/11/16	1613
	35.50000	0.35000	11/14/16	1613
	30.18000	0.30000	11/14/16	1613
	30.18000	0.30000	11/14/16	1613
	35.50000	0.35000	11/15/16	1613
	35.50000	0.35000	11/16/16	1613
	35.50000	0.35000	11/17/16	1613
	35.50000	0.35000	11/18/16	1613
	35.50000	0.35000	11/21/16	1613
	30.18000	0.30000	11/21/16	1613
	30.18000	0.30000	11/21/16	1613
	35.50000	0.35000	11/22/16	1613
	35.50000	0.35000	11/23/16	1613

	35.50000	0.35000	11/28/16	1613
	30.18000	0.30000	11/28/16	1613
	35.50000	0.35000	11/28/16	1613
	30.18000	0.30000	11/28/16	1613
	30.18000	0.30000	11/28/16	1613
	35.50000	0.35000	11/29/16	1613
	35.50000	0.35000	11/30/16	1613
	35.50000	0.35000	12/1/16	1613
	36.85000	0.50000	12/2/16	1613
	36.85000	0.50000	12/5/16	1613
	31.32000	0.42000	12/5/16	1613
	31.32000	0.42000	12/5/16	1613
	36.85000	0.50000	12/6/16	1613
	36.85000	0.50000	12/7/16	1613
	36.85000	0.50000	12/8/16	1613
	36.85000	0.50000	12/9/16	1613
	36.85000	0.50000	12/12/16	1613
	31.32000	0.42000	12/12/16	1613
	31.32000	0.42000	12/12/16	1613
	36.85000	0.50000	12/13/16	1613
	36.85000	0.50000	12/14/16	1613
	36.85000	0.50000	12/15/16	1613
	36.85000	0.50000	12/16/16	1613
	36.85000	0.50000	12/19/16	1613
	31.32000	0.42000	12/19/16	1613
	31.32000	0.42000	12/19/16	1613

	36.85000	0.50000	12/20/16	1613
	36.85000	0.50000	12/21/16	1613
	36.85000	0.50000	12/22/16	1613
	36.85000	0.50000	12/23/16	1613
	36.85000	0.50000	12/27/16	1613
	31.32000	0.42000	12/27/16	1613
	31.32000	0.42000	12/27/16	1613
	36.85000	0.50000	12/27/16	1613
	36.85000	0.50000	12/28/16	1613
	36.85000	0.50000	12/29/16	1613
	36.85000	0.50000	12/30/16	1613
	36.85000	0.50000	1/3/17	1613
	31.32000	0.42000	1/3/17	1613
	36.93000	0.21000	1/3/17	1613
	36.93000	0.21000	1/3/17	1613
	43.45000	0.25000	1/4/17	1613
	43.45000	0.25000	1/5/17	1613
	43.45000	0.25000	1/6/17	1613
	43.45000	0.25000	1/9/17	1613
	36.93000	0.21000	1/9/17	1613
	36.93000	0.21000	1/9/17	1613
	43.45000	0.25000	1/10/17	1613
	43.45000	0.25000	1/11/17	1613
	43.45000	0.25000	1/12/17	1613
	43.45000	0.25000	1/13/17	1613
	43.45000	0.25000	1/17/17	1613

	36.93000	0.21000	1/17/17	1613
	36.93000	0.21000	1/17/17	1613
	43.45000	0.25000	1/17/17	1613
	43.45000	0.25000	1/18/17	1613
	43.45000	0.25000	1/19/17	1613
	43.45000	0.25000	1/20/17	1613
	43.45000	0.25000	1/23/17	1613
	36.93000	0.21000	1/23/17	1613
	36.93000	0.21000	1/23/17	1613
	43.45000	0.25000	1/24/17	1613
	43.45000	0.25000	1/25/17	1613
	43.45000	0.25000	1/26/17	1613
	43.45000	0.25000	1/27/17	1613
	43.45000	0.25000	1/30/17	1613
	36.93000	0.21000	1/30/17	1613
	36.93000	0.21000	1/30/17	1613
	43.45000	0.25000	1/31/17	1613
	43.45000	0.25000	2/1/17	1613
	42.00000	0.35000	2/2/17	1613
	42.00000	0.35000	2/3/17	1613
	42.00000	0.35000	2/6/17	1613
	35.70000	0.30000	2/6/17	1613
	35.70000	0.30000	2/6/17	1613
	42.00000	0.35000	2/7/17	1613
	42.00000	0.35000	2/8/17	1613
	42.00000	0.35000	2/9/17	1613

	42.00000	0.35000	2/10/17	1613
	42.00000	0.35000	2/13/17	1613
	35.70000	0.30000	2/13/17	1613
	35.70000	0.30000	2/13/17	1613
	42.00000	0.35000	2/14/17	1613
	42.00000	0.35000	2/15/17	1613
	42.00000	0.35000	2/16/17	1613
	42.00000	0.35000	2/17/17	1613
	42.00000	0.35000	2/21/17	1613
	35.70000	0.30000	2/21/17	1613
	35.70000	0.30000	2/21/17	1613
	42.00000	0.35000	2/21/17	1613
	42.00000	0.35000	2/22/17	1613
	42.00000	0.35000	2/23/17	1613
	42.00000	0.35000	2/24/17	1613
	42.00000	0.35000	2/27/17	1613
	35.70000	0.30000	2/27/17	1613
	35.70000	0.30000	2/27/17	1613
	42.00000	0.35000	2/28/17	1613
	42.00000	0.35000	3/1/17	1613
	38.50000	0.45000	3/2/17	1613
	38.50000	0.45000	3/3/17	1613
	38.50000	0.45000	3/6/17	1613
	32.73000	0.39000	3/6/17	1613
	32.73000	0.39000	3/6/17	1613
	38.50000	0.45000	3/7/17	1613

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	38.50000	0.45000	3/9/17	1613
	38.50000	0.45000	3/10/17	1613
	38.50000	0.45000	3/13/17	1613
	32.73000	0.39000	3/13/17	1613
	32.73000	0.39000	3/13/17	1613
	38.50000	0.45000	3/14/17	1613
	38.50000	0.45000	3/15/17	1613
	38.50000	0.45000	3/16/17	1613
	38.50000	0.45000	3/17/17	1613
	38.50000	0.45000	3/20/17	1613
	32.73000	0.39000	3/20/17	1613
	32.73000	0.39000	3/20/17	1613
	38.50000	0.45000	3/21/17	1613
	38.50000	0.45000	3/22/17	1613
	38.50000	0.45000	3/23/17	1613
	38.50000	0.45000	3/24/17	1613
	38.50000	0.45000	3/27/17	1613
	32.73000	0.39000	3/27/17	1613
	32.73000	0.39000	3/27/17	1613
	38.50000	0.45000	3/28/17	1613
	38.50000	0.45000	3/29/17	1613
	38.50000	0.45000	3/30/17	1613
	38.50000	0.45000	3/31/17	1613
	38.50000	0.45000	4/3/17	1613
	30.56000	0.09000	4/3/17	1613

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	35.95000	0.10000	4/4/17	1613
	35.95000	0.10000	4/5/17	1613
	35.95000	0.10000	4/6/17	1613
	35.95000	0.10000	4/7/17	1613
	35.95000	0.10000	4/10/17	1613
	30.56000	0.09000	4/10/17	1613
	30.56000	0.09000	4/10/17	1613
	35.95000	0.10000	4/11/17	1613
	35.95000	0.10000	4/12/17	1613
	35.95000	0.10000	4/13/17	1613
	35.95000	0.10000	4/17/17	1613
	35.95000	0.10000	4/17/17	1613
	30.56000	0.09000	4/17/17	1613
	30.56000	0.09000	4/17/17	1613
	35.95000	0.10000	4/18/17	1613
	35.95000	0.10000	4/19/17	1613
	35.95000	0.10000	4/20/17	1613
	35.95000	0.10000	4/21/17	1613
	35.95000	0.10000	4/24/17	1613
	30.56000	0.09000	4/24/17	1613
	30.56000	0.09000	4/24/17	1613
	35.95000	0.10000	4/25/17	1613
	35.95000	0.10000	4/26/17	1613
	35.95000	0.10000	4/27/17	1613
	35.95000	0.10000	4/28/17	1613

	35.95000	0.10000	5/1/17	1613
	30.56000	0.09000	5/1/17	1613
	30.56000	0.09000	5/1/17	1613
	35.45000	0.15000	5/2/17	1613
	35.45000	0.15000	5/3/17	1613
	35.45000	0.15000	5/4/17	1613
	35.45000	0.15000	5/5/17	1613
	35.45000	0.15000	5/8/17	1613
	30.13000	0.12000	5/8/17	1613
	30.13000	0.12000	5/8/17	1613
	35.45000	0.15000	5/9/17	1613
	35.45000	0.15000	5/10/17	1613
	35.45000	0.15000	5/11/17	1613
	35.45000	0.15000	5/12/17	1613
	35.45000	0.15000	5/15/17	1613
	30.13000	0.12000	5/15/17	1613
	30.13000	0.12000	5/15/17	1613
	35.45000	0.15000	5/16/17	1613
	35.45000	0.15000	5/17/17	1613
	35.45000	0.15000	5/18/17	1613
	35.45000	0.15000	5/19/17	1613
	35.45000	0.15000	5/22/17	1613
	30.13000	0.12000	5/22/17	1613
	30.13000	0.12000	5/22/17	1613
	35.45000	0.15000	5/23/17	1613
	35.45000	0.15000	5/24/17	1613

	35.45000	0.15000	5/25/17	1613
	35.45000	0.15000	5/26/17	1613
	35.45000	0.15000	5/30/17	1613
	30.13000	0.12000	5/30/17	1613
	30.13000	0.12000	5/30/17	1613
	30.13000	0.12000	5/30/17	1613
	35.45000	0.15000	5/31/17	1613
	35.45000	0.15000	6/1/17	1613
	35.05000	0.10000	6/2/17	1613
	35.05000	0.10000	6/5/17	1613
	28.04000	0.08000	6/5/17	1613
	28.04000	0.08000	6/5/17	1613
	35.05000	0.10000	6/6/17	1613
	35.05000	0.10000	6/7/17	1613
	35.05000	0.10000	6/8/17	1613
	35.05000	0.10000	6/9/17	1613
	35.05000	0.10000	6/12/17	1613
	28.04000	0.08000	6/12/17	1613
	28.04000	0.08000	6/12/17	1613
	35.05000	0.10000	6/13/17	1613
	35.05000	0.10000	6/14/17	1613
	35.05000	0.10000	6/15/17	1613
	35.05000	0.10000	6/16/17	1613
	35.05000	0.10000	6/19/17	1613
	28.04000	0.08000	6/19/17	1613
	28.04000	0.08000	6/19/17	1613

	35.05000	0.10000	6/20/17	1613
	35.05000	0.10000	6/21/17	1613
	35.05000		6/22/17	1613
	35.05000		6/23/17	1613
	35.05000		6/26/17	1613
	24.32000	-0.32000	10/31/16	318
	26.75000	-0.05000	11/30/16	318
	33.00000	-0.10000	12/30/16	318
	31.15000	-0.35000	1/31/17	318
	29.30000	-0.30000	2/28/17	318
	24.40000	-0.05000	3/31/17	318
	19.90000	0.10000	4/28/17	318
	20.25000	0.45000	5/31/17	318
	20.35000	-0.05000	6/30/17	318
	29.10000	-0.25000	7/31/17	318
	32.15000	-0.35000	8/31/17	318
	29.15000	-0.20000	9/29/17	318
	25.40000	0.30000	10/31/17	318
	28.60000	0.25000	11/30/17	318
	34.35000	0.15000	12/29/17	318
	32.15000	-0.25000	1/31/18	318
	29.60000	-0.25000	2/28/18	318
	26.25000	-0.20000	3/29/18	318
	18.85000	-0.15000	4/30/18	318
	18.15000	-0.15000	5/31/18	318
	19.15000	-0.15000	6/29/18	318

	28.15000	-0.20000	7/31/18	318
	31.55000	-0.25000	8/31/18	318
	28.60000	-0.20000	9/28/18	318
	25.60000	-0.20000	10/31/18	318
	29.10000	-0.25000	11/30/18	318
	32.95000	-0.25000	12/31/18	318
	30.35000	-0.25000	1/31/19	318
	28.25000	-0.20000	2/28/19	318
	25.45000	-0.20000	3/29/19	318
	22.35000	-0.15000	4/30/19	318
	21.50000	-0.15000	5/31/19	318
	21.50000	-0.15000	6/28/19	318
	29.80000	-0.20000	7/31/19	318
	33.75000	-0.25000	8/30/19	318
	30.15000	-0.25000	9/30/19	318
	26.15000	-0.20000	10/31/19	318
	29.15000	-0.20000	11/27/19	318
	32.70000	-0.25000	12/31/19	318
	31.75000	-0.25000	1/31/20	318
	29.75000	-0.20000	2/28/20	318
	26.75000	-0.20000	3/31/20	318
	24.05000	-0.15000	4/30/20	318
	22.60000	-0.15000	5/29/20	318
	22.65000	-0.15000	6/30/20	318
	31.20000	-0.20000	7/31/20	318
	35.05000	-0.25000	8/31/20	318

	31.75000	-0.25000	9/30/20	318
	27.30000	-0.20000	10/30/20	318
	30.45000	-0.20000	11/30/20	318
	34.10000	-0.25000	12/31/20	318
	33.30000	-0.25000	1/29/21	318
	30.80000	-0.20000	2/26/21	318
	27.20000	-0.20000	3/31/21	318
	25.50000	-0.15000	4/30/21	318
	23.85000	-0.15000	5/28/21	318
	24.00000	-0.15000	6/30/21	318
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	37.05000	-0.25000	8/31/21	318
	33.35000	-0.25000	9/30/21	318
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	35.95000	-0.25000	12/31/21	318
	36.00000	-0.20000	1/31/22	318
	33.05000	-0.20000	2/28/22	318
	28.95000	-0.20000	3/31/22	318
	27.80000	-0.15000	4/29/22	318
	26.25000	-0.15000	5/31/22	318
	26.50000	-0.15000	6/30/22	318
	35.85000	-0.20000	7/29/22	318
	40.25000	-0.25000	8/31/22	318
	36.15000	-0.25000	9/30/22	318
	31.45000	-0.20000	10/31/22	318

	34.95000	-0.20000	11/30/22	318
	39.15000	-0.25000	12/30/22	318
	38.15000	-0.25000	1/31/23	318
	37.05000	-0.20000	2/28/23	318
	32.20000	-0.20000	3/31/23	318
	29.30000	-0.20000	4/28/23	318
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	22.90000	-0.15000	6/30/23	318
	33.60000	-0.20000	7/31/23	318
	40.65000	-0.25000	8/31/23	318
	37.25000	-0.20000	9/29/23	318
	34.30000	-0.20000	10/31/23	318
	37.45000	-0.25000	11/30/23	318
	43.85000	-0.25000	12/29/23	318
	39.65000	-0.25000	1/31/24	318
	38.40000	-0.20000	2/29/24	318
	33.55000	-0.20000	3/28/24	318
	30.45000	-0.20000	4/30/24	318
	25.90000	-0.15000	5/31/24	318
	23.80000	-0.15000	6/28/24	318
	34.95000	-0.20000	7/31/24	318
	42.35000	-0.25000	8/30/24	318
	38.70000	-0.20000	9/30/24	318
	35.65000	-0.20000	10/31/24	318
	38.85000	-0.20000	11/27/24	318
	45.55000	-0.25000	12/31/24	318

	41.15000	-0.25000	1/31/25	318
	39.90000	-0.20000	2/28/25	318
	34.70000	-0.20000	3/31/25	318
	31.55000	-0.20000	4/30/25	318
	27.00000	-0.15000	5/30/25	318
	24.65000	-0.15000	6/30/25	318
	36.20000	-0.20000	7/31/25	318
	43.85000	-0.25000	8/29/25	318
	40.15000	-0.20000	9/30/25	318
	36.95000	-0.20000	10/31/25	318
	40.35000	-0.25000	11/26/25	318
	47.25000	-0.25000	12/31/25	318
	42.60000	-0.25000	1/30/26	318
	41.35000	-0.20000	2/27/26	318
	36.00000	-0.20000	3/31/26	318
	32.70000	-0.20000	4/30/26	318
	27.95000	-0.15000	5/29/26	318
	25.55000	-0.15000	6/30/26	318
	37.50000	-0.20000	7/31/26	318
	45.45000	-0.25000	8/31/26	318
	41.55000	-0.20000	9/30/26	318
	38.25000	-0.20000	10/30/26	318
	41.80000	-0.20000	11/30/26	318
	48.90000	-0.25000	12/31/26	318
	24.32000	-0.32000	10/31/16	2096
	26.75000	-0.05000	11/30/16	2096

	33.00000	-0.10000	12/30/16	2096
	31.15000	-0.35000	1/31/17	2096
	29.30000	-0.30000	2/28/17	2096
	24.40000	-0.05000	3/31/17	2096
	19.90000	0.10000	4/28/17	2096
	20.25000	0.45000	5/31/17	2096
	20.35000	-0.05000	6/30/17	2096
	29.10000	-0.25000	7/31/17	2096
	32.15000	-0.35000	8/31/17	2096
	29.15000	-0.20000	9/29/17	2096
	25.40000	0.30000	10/31/17	2096
	28.60000	0.25000	11/30/17	2096
	34.35000	0.15000	12/29/17	2096
	32.15000	-0.25000	1/31/18	2096
	29.60000	-0.25000	2/28/18	2096
	26.25000	-0.20000	3/29/18	2096
	18.85000	-0.15000	4/30/18	2096
	18.15000	-0.15000	5/31/18	2096
	19.15000	-0.15000	6/29/18	2096
	28.15000	-0.20000	7/31/18	2096
	31.55000	-0.25000	8/31/18	2096
	28.60000	-0.20000	9/28/18	2096
	25.60000	-0.20000	10/31/18	2096
	29.10000	-0.25000	11/30/18	2096
	32.95000	-0.25000	12/31/18	2096
	30.35000	-0.25000	1/31/19	2096

	28.25000	-0.20000	2/28/19	2096
	25.45000	-0.20000	3/29/19	2096
	22.35000	-0.15000	4/30/19	2096
	21.50000	-0.15000	5/31/19	2096
	21.50000	-0.15000	6/28/19	2096
	29.80000	-0.20000	7/31/19	2096
	33.75000	-0.25000	8/30/19	2096
	30.15000	-0.25000	9/30/19	2096
	26.15000	-0.20000	10/31/19	2096
	29.15000	-0.20000	11/27/19	2096
	32.70000	-0.25000	12/31/19	2096
	31.75000	-0.25000	1/31/20	2096
	29.75000	-0.20000	2/28/20	2096
	26.75000	-0.20000	3/31/20	2096
	24.05000	-0.15000	4/30/20	2096
	22.60000	-0.15000	5/29/20	2096
	22.65000	-0.15000	6/30/20	2096
	31.20000	-0.20000	7/31/20	2096
	35.05000	-0.25000	8/31/20	2096
	31.75000	-0.25000	9/30/20	2096
	27.30000	-0.20000	10/30/20	2096
	30.45000	-0.20000	11/30/20	2096
	34.10000	-0.25000	12/31/20	2096
	33.30000	-0.25000	1/29/21	2096
	30.80000	-0.20000	2/26/21	2096
	27.20000	-0.20000	3/31/21	2096

	25.50000	-0.15000	4/30/21	2096
	23.85000	-0.15000	5/28/21	2096
	24.00000	-0.15000	6/30/21	2096
	32.95000	-0.20000	7/30/21	2096
	37.05000	-0.25000	8/31/21	2096
	33.35000	-0.25000	9/30/21	2096
	28.85000	-0.20000	10/29/21	2096
	32.10000	-0.20000	11/30/21	2096
	35.95000	-0.25000	12/31/21	2096
	36.00000	-0.20000	1/31/22	2096
	33.05000	-0.20000	2/28/22	2096
	28.95000	-0.20000	3/31/22	2096
	27.80000	-0.15000	4/29/22	2096
	26.25000	-0.15000	5/31/22	2096
	26.50000	-0.15000	6/30/22	2096
	35.85000	-0.20000	7/29/22	2096
	40.25000	-0.25000	8/31/22	2096
	36.15000	-0.25000	9/30/22	2096
	31.45000	-0.20000	10/31/22	2096
	34.95000	-0.20000	11/30/22	2096
	39.15000	-0.25000	12/30/22	2096
	38.15000	-0.25000	1/31/23	2096
	37.05000	-0.20000	2/28/23	2096
	32.20000	-0.20000	3/31/23	2096
	29.30000	-0.20000	4/28/23	2096
	25.05000	-0.15000	5/31/23	2096

	22.90000	-0.15000	6/30/23	2096
	33.60000	-0.20000	7/31/23	2096
	40.65000	-0.25000	8/31/23	2096
	37.25000	-0.20000	9/29/23	2096
	34.30000	-0.20000	10/31/23	2096
	37.45000	-0.25000	11/30/23	2096
	43.85000	-0.25000	12/29/23	2096
	39.65000	-0.25000	1/31/24	2096
	38.40000	-0.20000	2/29/24	2096
	33.55000	-0.20000	3/28/24	2096
	30.45000	-0.20000	4/30/24	2096
	25.90000	-0.15000	5/31/24	2096
	23.80000	-0.15000	6/28/24	2096
	34.95000	-0.20000	7/31/24	2096
	42.35000	-0.25000	8/30/24	2096
	38.70000	-0.20000	9/30/24	2096
	35.65000	-0.20000	10/31/24	2096
	38.85000	-0.20000	11/27/24	2096
	45.55000	-0.25000	12/31/24	2096
	41.15000	-0.25000	1/31/25	2096
	39.90000	-0.20000	2/28/25	2096
	34.70000	-0.20000	3/31/25	2096
	31.55000	-0.20000	4/30/25	2096
	27.00000	-0.15000	5/30/25	2096
	24.65000	-0.15000	6/30/25	2096
	36.20000	-0.20000	7/31/25	2096

	43.85000	-0.25000	8/29/25	2096
	40.15000	-0.20000	9/30/25	2096
	36.95000	-0.20000	10/31/25	2096
	40.35000	-0.25000	11/26/25	2096
	47.25000	-0.25000	12/31/25	2096
	42.60000	-0.25000	1/30/26	2096
	41.35000	-0.20000	2/27/26	2096
	36.00000	-0.20000	3/31/26	2096
	32.70000	-0.20000	4/30/26	2096
	27.95000	-0.15000	5/29/26	2096
	25.55000	-0.15000	6/30/26	2096
	37.50000	-0.20000	7/31/26	2096
	45.45000	-0.25000	8/31/26	2096
	41.55000	-0.20000	9/30/26	2096
	38.25000	-0.20000	10/30/26	2096
	41.80000	-0.20000	11/30/26	2096
	48.90000	-0.25000	12/31/26	2096
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	19.85000	0.10000	12/7/16	5757
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	28.80000	0.20000	2/7/17	5757
	24.95000	0.15000	3/7/17	5757
	23.50000	0.00000	4/7/17	5757
	18.30000	0.00000	5/5/17	5757
	18.70000	0.25000	6/7/17	5757

	17.85000	0.00000	7/10/17	5757
	19.05000	0.00000	8/7/17	5757
	17.60000	0.00000	9/8/17	5757
	18.35000	0.00000	10/6/17	5757
	18.65000	0.00000	11/7/17	5757
	17.85000	0.00000	12/7/17	5757
	23.45000	0.00000	1/8/18	5757
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	21.30000	0.05000	4/6/18	5757
	19.15000	0.05000	5/7/18	5757
	15.80000	0.00000	6/7/18	5757
	15.70000	0.00000	7/9/18	5757
	17.45000	0.05000	8/7/18	5757
	17.00000	0.05000	9/10/18	5757
	14.90000	0.00000	10/5/18	5757
	17.20000	0.05000	11/7/18	5757
	18.15000	0.05000	12/7/18	5757
	19.90000	0.05000	1/8/19	5757
	29.20000	0.05000	2/7/19	5757
	26.90000	0.05000	3/7/19	5757
	21.25000	0.05000	4/5/19	5757
	17.50000	0.05000	5/7/19	5757
	17.60000	0.05000	6/7/19	5757
	17.60000	0.05000	7/8/19	5757
	19.90000	0.05000	8/7/19	5757

	18.25000	0.05000	9/9/19	5757
	18.15000	0.05000	10/7/19	5757
	18.10000	0.05000	11/7/19	5757
	19.60000	0.05000	12/6/19	5757
	19.30000	0.05000	1/8/20	5757
	29.50000	0.05000	2/7/20	5757
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	22.05000	0.05000	4/7/20	5757
	17.50000	0.05000	5/7/20	5757
	18.70000	0.05000	6/5/20	5757
	17.80000	0.05000	7/7/20	5757
	20.40000	0.05000	8/7/20	5757
	19.70000	0.05000	9/8/20	5757
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	21.80000	0.05000	1/8/21	5757
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	22.60000	0.05000	4/8/21	5757
	20.90000	0.05000	5/7/21	5757
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	17.50000	0.05000	7/8/21	5757
	19.30000	0.05000	8/6/21	5757
	18.65000	0.05000	9/8/21	5757
	17.65000	0.05000	10/7/21	5757

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	19.20000	0.05000	12/7/21	5757
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	32.25000	0.45000	4/7/17	5756
	30.15000	0.10000	5/5/17	5756
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	37.55000	0.00000	8/7/17	5756
	33.40000	0.00000	9/8/17	5756
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	31.70000	0.15000	1/8/18	5756
	40.70000	0.30000	2/7/18	5756
	37.10000	0.30000	3/7/18	5756
	30.90000	0.10000	4/6/18	5756
	28.20000	0.10000	5/7/18	5756
	28.30000	0.00000	6/7/18	5756
	29.60000	0.00000	7/9/18	5756
	38.50000	0.00000	8/7/18	5756

	34.45000	0.00000	9/10/18	5756
	28.80000	0.15000	10/5/18	5756
	28.95000	0.00000	11/7/18	5756
	28.80000	0.00000	12/7/18	5756
	29.70000	0.00000	1/8/19	5756
	40.65000	-0.15000	2/7/19	5756
	38.10000	-0.10000	3/7/19	5756
	29.55000	-0.10000	4/5/19	5756
	27.20000	-0.05000	5/7/19	5756
	27.75000	-0.05000	6/7/19	5756
	29.25000	0.30000	7/8/19	5756
	37.45000	-0.10000	8/7/19	5756
	33.20000	-0.10000	9/9/19	5756
	27.90000	-0.05000	10/7/19	5756
	28.20000	-0.05000	11/7/19	5756
	27.60000	-0.05000	12/6/19	5756
	28.75000	-0.10000	1/8/20	5756
	41.60000	-0.15000	2/7/20	5756
	36.15000	-0.10000	3/6/20	5756
	29.20000	-0.10000	4/7/20	5756
	27.40000	-0.05000	5/7/20	5756
	28.25000	-0.10000	6/5/20	5756
	29.45000	0.30000	7/8/20	5756
	38.25000	-0.10000	8/7/20	5756
	32.55000	-0.10000	9/8/20	5756
	27.80000	-0.05000	10/7/20	5756

	28.45000	-0.05000	11/6/20	5756
	26.95000	-0.05000	12/7/20	5756
	30.60000	-0.10000	1/8/21	5756
	43.10000	-0.10000	2/5/21	5756
	38.35000	-0.10000	3/5/21	5756
	30.15000	-0.05000	4/8/21	5756
	28.10000	-0.05000	5/7/21	5756
	29.20000	-0.05000	6/7/21	5756
	30.35000	-0.05000	7/8/21	5756
	40.15000	-0.05000	8/6/21	5756
	33.90000	-0.05000	9/8/21	5756
	29.35000	-0.05000	10/7/21	5756
	29.30000	-0.05000	11/5/21	5756
	29.35000	-0.05000	12/7/21	5756
	30.50000	-0.05000	1/7/22	5756
	41.80000	0.00000	10/4/16	15876
	42.67000	-0.83000	10/5/16	15876
	45.10000	0.55000	10/6/16	15876
	45.85000	1.30000	10/7/16	15876
	45.85000	1.30000	10/10/16	15876
	35.65000	0.00000	10/10/16	15876
	35.65000	0.00000	10/10/16	15876
	39.10000	0.19000	10/11/16	15876
	39.10000	0.19000	10/12/16	15876
	39.10000	0.19000	10/13/16	15876
	39.10000	0.19000	10/14/16	15876

	39.10000	0.19000	10/17/16	15876
	34.28000	0.22000	10/17/16	15876
	34.28000	0.22000	10/17/16	15876
	39.10000	0.19000	10/18/16	15876
	39.10000	0.19000	10/19/16	15876
	39.10000	0.19000	10/20/16	15876
	39.10000	0.19000	10/21/16	15876
	39.10000	0.19000	10/24/16	15876
	34.28000	0.22000	10/24/16	15876
	34.28000	0.22000	10/24/16	15876
	39.10000	0.19000	10/25/16	15876
	39.10000	0.19000	10/26/16	15876
	39.10000	0.19000	10/27/16	15876
	39.10000	0.19000	10/28/16	15876
	39.10000	0.19000	10/31/16	15876
	34.28000	0.22000	10/31/16	15876
	34.28000	0.22000	10/31/16	15876
	39.10000	0.19000	11/1/16	15876
	40.75000	0.35000	11/2/16	15876
	40.75000	0.35000	11/3/16	15876
	40.75000	0.35000	11/4/16	15876
	40.75000	0.35000	11/7/16	15876
	36.68000	0.32000	11/7/16	15876
	36.68000	0.32000	11/7/16	15876
	40.75000	0.35000	11/8/16	15876
	40.75000	0.35000	11/9/16	15876

	40.75000	0.35000	11/10/16	15876
	40.75000	0.35000	11/11/16	15876
	40.75000	0.35000	11/14/16	15876
	36.68000	0.32000	11/14/16	15876
	36.68000	0.32000	11/14/16	15876
	40.75000		11/15/16	15876
	40.75000		11/16/16	15876
	40.75000		11/17/16	15876
	23.95000	0.00000	10/4/16	15877
	23.46000	-1.04000	10/5/16	15877
	24.50000	-1.39000	10/6/16	15877
	26.34000	0.45000	10/7/16	15877
	26.34000	0.45000	10/10/16	15877
	27.00000	0.00000	10/10/16	15877
	27.00000	0.00000	10/10/16	15877
	26.34000	0.45000	10/11/16	15877
	26.34000	0.45000	10/12/16	15877
	26.34000	0.45000	10/13/16	15877
	26.34000	0.45000	10/14/16	15877
	26.34000	0.45000	10/17/16	15877
	24.75000	0.15000	10/17/16	15877
	24.75000	0.15000	10/17/16	15877
	26.34000	0.45000	10/18/16	15877
	26.34000	0.45000	10/19/16	15877
	26.34000	0.45000	10/20/16	15877
	26.34000	0.45000	10/21/16	15877

	26.34000	0.45000	10/24/16	15877
	24.75000	0.15000	10/24/16	15877
	24.75000	0.15000	10/24/16	15877
	26.34000	0.45000	10/25/16	15877
	26.34000	0.45000	10/26/16	15877
	26.34000	0.45000	10/27/16	15877
	26.34000	0.45000	10/28/16	15877
	26.34000	0.45000	10/31/16	15877
	24.75000	0.15000	10/31/16	15877
	24.75000	0.15000	10/31/16	15877
	26.34000	0.45000	11/1/16	15877
	26.00000	-0.08000	11/2/16	15877
	26.00000	-0.08000	11/3/16	15877
	26.00000	-0.08000	11/4/16	15877
	26.00000	-0.08000	11/7/16	15877
	25.33000	0.08000	11/7/16	15877
	25.33000	0.08000	11/7/16	15877
	26.00000		11/8/16	15877
	26.00000		11/9/16	15877
	26.00000		11/10/16	15877
	38.44000	0.00000	10/7/16	5758
	35.70000	0.11000	11/7/16	5758
	35.40000	0.35000	12/7/16	5758
	38.45000	0.50000	1/9/17	5758
	45.85000	0.25000	2/7/17	5758
	43.70000	0.35000	3/7/17	5758

	39.60000	0.45000	4/7/17	5758
	37.55000	0.10000	5/5/17	5758
	37.05000	0.15000	6/7/17	5758
	35.85000	0.10000	7/10/17	5758
	44.15000	0.00000	8/7/17	5758
	39.80000	0.00000	9/8/17	5758
	34.95000	0.15000	10/6/17	5758
	34.35000	0.15000	11/7/17	5758
	34.70000	0.30000	12/7/17	5758
	36.80000	0.15000	1/8/18	5758
	48.00000	0.30000	2/7/18	5758
	42.95000	0.30000	3/7/18	5758
	35.85000	0.10000	4/6/18	5758
	34.60000	0.10000	5/7/18	5758
	33.80000	0.00000	6/7/18	5758
	34.75000	0.00000	7/9/18	5758
	45.95000	0.00000	8/7/18	5758
	40.70000	0.00000	9/10/18	5758
	35.70000	0.15000	10/5/18	5758
	35.15000	0.00000	11/7/18	5758
	35.40000	0.00000	12/7/18	5758
	35.40000	0.00000	1/8/19	5758
	47.35000	-0.15000	2/7/19	5758
	42.65000	-0.10000	3/7/19	5758
	36.10000	-0.10000	4/5/19	5758
	34.60000	-0.05000	5/7/19	5758

	33.45000	-0.05000	6/7/19	5758
	34.45000	0.30000	7/8/19	5758
	43.70000	-0.10000	8/7/19	5758
	38.80000	-0.10000	9/9/19	5758
	35.30000	-0.05000	10/7/19	5758
	35.45000	-0.05000	11/7/19	5758
	35.80000	-0.05000	12/6/19	5758
	35.95000	-0.10000	1/8/20	5758
	24.56000	0.00000	10/7/16	5759
	25.97000	0.26000	11/7/16	5759
	25.65000	0.10000	12/7/16	5759
	30.15000	0.20000	1/9/17	5759
	36.30000	0.20000	2/7/17	5759
	30.90000	0.15000	3/7/17	5759
	30.50000	0.00000	4/7/17	5759
	24.70000	0.00000	5/5/17	5759
	24.50000	0.25000	6/7/17	5759
	23.90000	0.00000	7/10/17	5759
	26.25000	0.00000	8/7/17	5759
	23.60000	0.00000	9/8/17	5759
	24.30000	0.00000	10/6/17	5759
	25.35000	0.00000	11/7/17	5759
	24.85000	0.00000	12/7/17	5759
	29.35000	0.00000	1/8/18	5759
	36.65000	0.15000	2/7/18	5759
	31.30000	0.15000	3/7/18	5759

	31.75000	0.05000	4/6/18	5759
	28.55000	0.05000	5/7/18	5759
	24.95000	0.00000	6/7/18	5759
	22.85000	0.00000	7/9/18	5759
	24.05000	0.05000	8/7/18	5759
	22.45000	0.05000	9/10/18	5759
	22.35000	0.00000	10/5/18	5759
	23.10000	0.05000	11/7/18	5759
	24.50000	0.05000	12/7/18	5759
	29.80000	0.05000	1/8/19	5759
	35.85000	0.05000	2/7/19	5759
	30.55000	0.05000	3/7/19	5759
	29.70000	0.05000	4/5/19	5759
	27.35000	0.05000	5/7/19	5759
	23.90000	0.05000	6/7/19	5759
	22.05000	0.05000	7/8/19	5759
	23.60000	0.05000	8/7/19	5759
	21.85000	0.05000	9/9/19	5759
	22.55000	0.05000	10/7/19	5759
	22.40000	0.05000	11/7/19	5759
	23.30000	0.05000	12/6/19	5759
	29.35000	0.05000	1/8/20	5759
	36.35000	0.00000	10/7/16	2851
	33.70000	0.25000	11/7/16	2851
	34.10000	0.35000	12/7/16	2851
	35.55000	0.50000	1/9/17	2851

	41.25000	0.25000	2/7/17	2851
	39.80000	0.35000	3/7/17	2851
	36.75000	0.45000	4/7/17	2851
	34.15000	0.10000	5/5/17	2851
	34.15000	0.15000	6/7/17	2851
	33.35000	0.10000	7/10/17	2851
	40.45000	0.00000	8/7/17	2851
	36.75000	0.00000	9/8/17	2851
	32.65000	0.15000	10/6/17	2851
	31.40000	0.15000	11/7/17	2851
	31.55000	0.30000	12/7/17	2851
	32.70000	0.15000	1/8/18	2851
	43.60000	0.30000	2/7/18	2851
	39.25000	0.30000	3/7/18	2851
	33.40000	0.10000	4/6/18	2851
	32.75000	0.10000	5/7/18	2851
	32.85000	0.00000	6/7/18	2851
	32.45000	0.00000	7/9/18	2851
	40.55000	0.00000	8/7/18	2851
	35.45000	0.00000	9/10/18	2851
	32.65000	0.15000	10/5/18	2851
	32.25000	0.00000	11/7/18	2851
	32.35000	0.00000	12/7/18	2851
	31.50000	0.00000	1/8/19	2851
	22.95000	0.00000	10/7/16	2854
	23.72000	0.34000	11/7/16	2854

	23.15000	0.10000	12/7/16	2854
	25.65000	0.20000	1/9/17	2854
	32.35000	0.20000	2/7/17	2854
	28.90000	0.15000	3/7/17	2854
	27.05000	0.00000	4/7/17	2854
	21.75000	0.00000	5/5/17	2854
	21.65000	0.25000	6/7/17	2854
	21.10000	0.00000	7/10/17	2854
	23.55000	0.00000	8/7/17	2854
	21.00000	0.00000	9/8/17	2854
	21.65000	0.00000	10/6/17	2854
	22.50000	0.00000	11/7/17	2854
	21.65000	0.00000	12/7/17	2854
	26.15000	0.00000	1/8/18	2854
	33.20000	0.15000	2/7/18	2854
	28.70000	0.15000	3/7/18	2854
	27.80000	0.05000	4/6/18	2854
	25.00000	0.05000	5/7/18	2854
	21.60000	0.00000	6/7/18	2854
	18.70000	0.00000	7/9/18	2854
	23.25000	0.05000	8/7/18	2854
	21.80000	0.05000	9/10/18	2854
	20.10000	0.00000	10/5/18	2854
	20.65000	0.05000	11/7/18	2854
	21.65000	0.05000	12/7/18	2854
	24.00000	0.05000	1/8/19	2854

	42.44000	0.00000	10/4/16	15557
	52.30000	11.30000	10/5/16	15557
	42.60000	0.05000	10/6/16	15557
	43.85000	1.30000	10/7/16	15557
	43.85000	1.30000	10/10/16	15557
	34.10000	0.00000	10/10/16	15557
	34.10000	0.00000	10/10/16	15557
	34.63000	0.34000	10/11/16	15557
	34.63000	0.34000	10/12/16	15557
	34.63000	0.34000	10/13/16	15557
	34.63000	0.34000	10/14/16	15557
	34.63000	0.34000	10/17/16	15557
	31.54000	0.79000	10/17/16	15557
	31.54000	0.79000	10/17/16	15557
	34.63000	0.34000	10/18/16	15557
	34.63000	0.34000	10/19/16	15557
	34.63000	0.34000	10/20/16	15557
	34.63000	0.34000	10/21/16	15557
	34.63000	0.34000	10/24/16	15557
	31.54000	0.79000	10/24/16	15557
	31.54000	0.79000	10/24/16	15557
	34.63000	0.34000	10/25/16	15557
	34.63000	0.34000	10/26/16	15557
	34.63000	0.34000	10/27/16	15557
	34.63000	0.34000	10/28/16	15557
	34.63000	0.34000	10/31/16	15557

	31.54000	0.79000	10/31/16	15557
	31.54000	0.79000	10/31/16	15557
	34.63000	0.34000	11/1/16	15557
	36.55000	0.35000	11/2/16	15557
	36.55000	0.35000	11/3/16	15557
	36.55000	0.35000	11/4/16	15557
	36.55000	0.35000	11/7/16	15557
	32.90000	0.32000	11/7/16	15557
	32.90000	0.32000	11/7/16	15557
	36.55000	0.35000	11/8/16	15557
	36.55000	0.35000	11/9/16	15557
	36.55000	0.35000	11/10/16	15557
	36.55000	0.35000	11/11/16	15557
	36.55000	0.35000	11/14/16	15557
	32.90000	0.32000	11/14/16	15557
	32.90000	0.32000	11/14/16	15557
	36.55000		11/15/16	15557
	36.55000		11/16/16	15557
	36.55000		11/17/16	15557
	23.64000	0.00000	10/4/16	15558
	23.71000	1.46000	10/5/16	15558
	22.25000	-2.57000	10/6/16	15558
	24.92000	0.10000	10/7/16	15558
	24.92000	0.10000	10/10/16	15558
	27.00000	0.00000	10/10/16	15558
	27.00000	0.00000	10/10/16	15558

	24.92000	0.10000	10/11/16	15558
	24.92000	0.10000	10/12/16	15558
	24.92000	0.10000	10/13/16	15558
	24.92000	0.10000	10/14/16	15558
	24.92000	0.10000	10/17/16	15558
	23.64000	0.19000	10/17/16	15558
	23.64000	0.19000	10/17/16	15558
	24.92000	0.10000	10/18/16	15558
	24.92000	0.10000	10/19/16	15558
	24.92000	0.10000	10/20/16	15558
	24.92000	0.10000	10/21/16	15558
	24.92000	0.10000	10/24/16	15558
	23.64000	0.19000	10/24/16	15558
	23.64000	0.19000	10/24/16	15558
	24.92000	0.10000	10/25/16	15558
	24.92000	0.10000	10/26/16	15558
	24.92000	0.10000	10/27/16	15558
	24.92000	0.10000	10/28/16	15558
	24.92000	0.10000	10/31/16	15558
	23.64000	0.19000	10/31/16	15558
	23.64000	0.19000	10/31/16	15558
	24.92000	0.10000	11/1/16	15558
	25.96000	-0.08000	11/2/16	15558
	25.96000	-0.08000	11/3/16	15558
	25.96000	-0.08000	11/4/16	15558
	25.96000	-0.08000	11/7/16	15558

	23.89000	0.09000	11/7/16	15558
	23.89000	0.09000	11/7/16	15558
	25.96000		11/8/16	15558
	25.96000		11/9/16	15558
	25.96000		11/10/16	15558
	22.21000	0.00000	10/4/16	1617
	22.48000	-2.02000	10/5/16	1617
	24.50000	3.69000	10/6/16	1617
	21.43000	0.62000	10/7/16	1617
	21.43000	0.62000	10/10/16	1617
	22.00000	0.00000	10/10/16	1617
	22.00000	0.00000	10/10/16	1617
	21.43000	0.62000	10/11/16	1617
	21.43000	0.62000	10/12/16	1617
	21.43000	0.62000	10/13/16	1617
	21.43000	0.62000	10/14/16	1617
	21.43000	0.62000	10/17/16	1617
	20.99000	0.25000	10/17/16	1617
	20.99000	0.25000	10/17/16	1617
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	21.43000	0.62000	10/19/16	1617
	21.43000	0.62000	10/20/16	1617
	21.43000	0.62000	10/21/16	1617
	21.43000	0.62000	10/24/16	1617
	20.99000	0.25000	10/24/16	1617
	20.99000	0.25000	10/24/16	1617

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	21.43000	0.62000	10/26/16	1617
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	21.43000	0.62000	10/28/16	1617
	21.43000	0.62000	10/31/16	1617
	20.99000	0.25000	10/31/16	1617
	20.99000	0.25000	10/31/16	1617
	21.43000	0.62000	11/1/16	1617
	22.03000	-0.06000	11/2/16	1617
	22.03000	-0.06000	11/3/16	1617
	22.03000	-0.06000	11/4/16	1617
	22.03000	-0.06000	11/7/16	1617
	21.12000	0.08000	11/7/16	1617
	21.12000	0.08000	11/7/16	1617
	22.03000		11/8/16	1617
	22.03000		11/9/16	1617
	22.03000		11/10/16	1617
	24.44000	0.00000	10/4/16	5747
	23.65000	0.36000	11/2/16	5747
	24.05000	0.00000	12/2/16	5747
	28.10000	0.20000	1/4/17	5747
	37.25000	0.10000	2/2/17	5747
	33.55000	0.10000	3/2/17	5747
	29.25000	0.00000	4/4/17	5747
	24.80000	0.00000	5/2/17	5747
	21.70000	0.25000	6/2/17	5747

	22.15000	0.00000	7/5/17	5747
	23.90000	0.00000	8/2/17	5747
	21.80000	0.00000	9/5/17	5747
	20.85000	0.00000	10/3/17	5747
	22.10000	0.00000	11/2/17	5747
	22.30000	0.00000	12/4/17	5747
	26.30000	0.00000	1/3/18	5747
	35.85000	0.15000	2/2/18	5747
	32.75000	0.15000	3/2/18	5747
	27.15000	0.05000	4/3/18	5747
	24.35000	0.05000	5/2/18	5747
	19.80000	0.00000	6/4/18	5747
	20.35000	0.00000	7/3/18	5747
	22.35000	0.05000	8/2/18	5747
	21.85000	0.05000	9/5/18	5747
	19.20000	0.00000	10/2/18	5747
	20.80000	0.05000	11/2/18	5747
	21.45000	0.05000	12/4/18	5747
	23.85000	0.05000	1/3/19	5747
	35.15000	0.05000	2/4/19	5747
	32.85000	0.05000	3/4/19	5747
	27.00000	0.05000	4/2/19	5747
	22.80000	0.05000	5/2/19	5747
	21.15000	0.05000	6/4/19	5747
	21.10000	0.05000	7/2/19	5747
	22.85000	0.05000	8/2/19	5747

	22.35000	0.05000	9/4/19	5747
	20.75000	0.05000	10/2/19	5747
	20.55000	0.05000	11/4/19	5747
	21.60000	0.05000	12/3/19	5747
	22.75000	0.05000	1/3/20	5747
	34.35000	0.05000	2/4/20	5747
	31.90000	0.05000	3/3/20	5747
	27.50000	0.05000	4/2/20	5747
	22.80000	0.05000	5/4/20	5747
	20.90000	0.05000	6/2/20	5747
	22.05000	0.05000	7/2/20	5747
	22.00000	0.05000	8/4/20	5747
	21.45000	0.05000	9/2/20	5747
	19.75000	0.05000	10/2/20	5747
	21.55000	0.05000	11/3/20	5747
	21.85000	0.05000	12/2/20	5747
	24.95000	0.05000	1/5/21	5747
	35.60000	0.10000	2/2/21	5747
	32.55000	0.05000	3/2/21	5747
	27.00000	0.05000	4/5/21	5747
	22.60000	0.05000	5/4/21	5747
	21.20000	0.05000	6/2/21	5747
	21.45000	0.05000	7/2/21	5747
	22.65000	0.05000	8/3/21	5747
	22.40000	0.05000	9/2/21	5747
	19.40000	0.05000	10/4/21	5747

	21.55000	0.05000	11/2/21	5747
	21.95000	0.05000	12/2/21	5747
	24.50000	0.05000	1/4/22	5747
	39.50000	0.05000	2/2/22	5747
	36.05000	0.05000	3/2/22	5747
	27.70000	0.05000	4/4/22	5747
	24.80000	0.05000	5/3/22	5747
	20.00000	0.05000	6/2/22	5747
	20.70000	0.05000	7/5/22	5747
	22.90000	0.05000	8/2/22	5747
	22.30000	0.05000	9/2/22	5747
	20.50000	0.05000	10/4/22	5747
	21.50000	0.05000	11/2/22	5747
	22.05000	0.05000	12/2/22	5747
	24.30000	0.05000	1/4/23	5747
	39.75000	0.05000	2/2/23	5747
	36.20000	0.05000	3/2/23	5747
	29.70000	0.05000	4/4/23	5747
	26.00000	0.05000	5/2/23	5747
	20.85000	0.05000	6/2/23	5747
	21.85000	0.05000	7/5/23	5747
	23.80000	0.05000	8/2/23	5747
	23.05000	0.05000	9/5/23	5747
	21.65000	0.05000	10/3/23	5747
	21.80000	0.05000	11/2/23	5747
	22.00000	0.05000	12/4/23	5747

	25.00000	0.05000	1/3/24	5747
	40.75000	0.05000	2/2/24	5747
	37.25000	0.05000	3/4/24	5747
	29.80000	0.05000	4/2/24	5747
	27.05000	0.05000	5/2/24	5747
	21.45000	0.05000	6/4/24	5747
	22.35000	0.05000	7/2/24	5747
	24.55000	0.05000	8/2/24	5747
	23.95000	0.05000	9/4/24	5747
	22.30000	0.05000	10/2/24	5747
	22.35000	0.05000	11/4/24	5747
	22.55000	0.05000	12/3/24	5747
	27.00000	0.05000	1/3/25	5747
	23.90000	0.00000	10/4/16	749
	23.99000	0.00000	10/5/16	749
	25.53000	1.03000	10/6/16	749
	25.70000	1.20000	10/7/16	749
	25.70000	1.20000	10/10/16	749
	25.70000	1.20000	10/10/16	749
	21.90000	-0.55000	10/10/16	749
	24.19000	-0.68000	10/11/16	749
	24.19000	-0.68000	10/12/16	749
	24.19000	-0.68000	10/13/16	749
	24.19000	-0.68000	10/14/16	749
	24.19000	-0.68000	10/17/16	749
	24.19000	-0.68000	10/17/16	749

	21.90000	-0.55000	10/17/16	749
	24.19000	-0.68000	10/18/16	749
	24.19000	-0.68000	10/19/16	749
	24.19000	-0.68000	10/20/16	749
	24.19000	-0.68000	10/21/16	749
	24.19000	-0.68000	10/24/16	749
	24.19000	-0.68000	10/24/16	749
	21.90000	-0.55000	10/24/16	749
	24.19000	-0.68000	10/25/16	749
	24.19000	-0.68000	10/26/16	749
	24.19000	-0.68000	10/27/16	749
	24.19000	-0.68000	10/28/16	749
	24.19000	-0.68000	10/31/16	749
	24.19000	-0.68000	10/31/16	749
	21.90000	-0.55000	10/31/16	749
	24.19000	-0.68000	11/1/16	749
	26.75000	-0.05000	11/2/16	749
	26.75000	-0.05000	11/3/16	749
	26.75000	-0.05000	11/4/16	749
	26.75000	-0.05000	11/7/16	749
	26.75000	-0.05000	11/7/16	749
	23.40000	-0.05000	11/7/16	749
	26.75000	-0.05000	11/8/16	749
	26.75000	-0.05000	11/9/16	749
	26.75000	-0.05000	11/10/16	749
	26.75000	-0.05000	11/11/16	749

	26.75000	-0.05000	11/14/16	749
	26.75000	-0.05000	11/14/16	749
	23.40000	-0.05000	11/14/16	749
	26.75000	-0.05000	11/15/16	749
	26.75000	-0.05000	11/16/16	749
	26.75000	-0.05000	11/17/16	749
	26.75000	-0.05000	11/18/16	749
	26.75000	-0.05000	11/21/16	749
	26.75000	-0.05000	11/21/16	749
	23.40000	-0.05000	11/21/16	749
	26.75000	-0.05000	11/22/16	749
	26.75000	-0.05000	11/23/16	749
	26.75000	-0.05000	11/28/16	749
	23.40000	-0.05000	11/28/16	749
	26.75000	-0.05000	11/28/16	749
	26.75000	-0.05000	11/28/16	749
	23.40000	-0.05000	11/28/16	749
	26.75000	-0.05000	11/29/16	749
	26.75000	-0.05000	11/30/16	749
	26.75000	-0.05000	12/1/16	749
	33.00000	-0.10000	12/2/16	749
	33.00000	-0.10000	12/5/16	749
	33.00000	-0.10000	12/5/16	749
	28.30000	-0.10000	12/5/16	749
	33.00000	-0.10000	12/6/16	749
	33.00000	-0.10000	12/7/16	749

	33.00000	-0.10000	12/8/16	749
	33.00000	-0.10000	12/9/16	749
	33.00000	-0.10000	12/12/16	749
	33.00000	-0.10000	12/12/16	749
	28.30000	-0.10000	12/12/16	749
	33.00000	-0.10000	12/13/16	749
	33.00000	-0.10000	12/14/16	749
	33.00000	-0.10000	12/15/16	749
	33.00000	-0.10000	12/16/16	749
	33.00000	-0.10000	12/19/16	749
	33.00000	-0.10000	12/19/16	749
	28.30000	-0.10000	12/19/16	749
	33.00000	-0.10000	12/20/16	749
	33.00000	-0.10000	12/21/16	749
	33.00000	-0.10000	12/22/16	749
	33.00000	-0.10000	12/23/16	749
	33.00000	-0.10000	12/27/16	749
	33.00000	-0.10000	12/27/16	749
	28.30000	-0.10000	12/27/16	749
	28.30000	-0.10000	12/27/16	749
	33.00000	-0.10000	12/28/16	749
	33.00000	-0.10000	12/29/16	749
	33.00000	-0.10000	12/30/16	749
	33.00000	-0.10000	1/3/17	749
	33.00000	-0.10000	1/3/17	749
	27.20000	-0.35000	1/3/17	749

	27.20000	-0.35000	1/3/17	749
	31.15000	-0.35000	1/4/17	749
	31.15000	-0.35000	1/5/17	749
	31.15000	-0.35000	1/6/17	749
	31.15000	-0.35000	1/9/17	749
	31.15000	-0.35000	1/9/17	749
	27.20000	-0.35000	1/9/17	749
	31.15000	-0.35000	1/10/17	749
	31.15000	-0.35000	1/11/17	749
	31.15000	-0.35000	1/12/17	749
	31.15000	-0.35000	1/13/17	749
	31.15000	-0.35000	1/17/17	749
	31.15000	-0.35000	1/17/17	749
	27.20000	-0.35000	1/17/17	749
	31.15000	-0.35000	1/17/17	749
	31.15000	-0.35000	1/18/17	749
	31.15000	-0.35000	1/19/17	749
	31.15000	-0.35000	1/20/17	749
	31.15000	-0.35000	1/23/17	749
	31.15000	-0.35000	1/23/17	749
	27.20000	-0.35000	1/23/17	749
	31.15000	-0.35000	1/24/17	749
	31.15000	-0.35000	1/25/17	749
	31.15000	-0.35000	1/26/17	749
	31.15000	-0.35000	1/27/17	749
	31.15000	-0.35000	1/30/17	749

	31.15000	-0.35000	1/30/17	749
	27.20000	-0.35000	1/30/17	749
	31.15000	-0.35000	1/31/17	749
	31.15000	-0.35000	2/1/17	749
	29.30000	-0.30000	2/2/17	749
	29.30000	-0.30000	2/3/17	749
	29.30000	-0.30000	2/6/17	749
	29.30000	-0.30000	2/6/17	749
	25.65000	-0.30000	2/6/17	749
	29.30000	-0.30000	2/7/17	749
	29.30000	-0.30000	2/8/17	749
	29.30000	-0.30000	2/9/17	749
	29.30000	-0.30000	2/10/17	749
	29.30000	-0.30000	2/13/17	749
	29.30000	-0.30000	2/13/17	749
	25.65000	-0.30000	2/13/17	749
	29.30000	-0.30000	2/14/17	749
	29.30000	-0.30000	2/15/17	749
	29.30000	-0.30000	2/16/17	749
	29.30000	-0.30000	2/17/17	749
	29.30000	-0.30000	2/21/17	749
	29.30000	-0.30000	2/21/17	749
	25.65000	-0.30000	2/21/17	749
	29.30000	-0.30000	2/21/17	749
	29.30000	-0.30000	2/22/17	749
	29.30000	-0.30000	2/23/17	749

	29.30000	-0.30000	2/24/17	749
	29.30000	-0.30000	2/27/17	749
	29.30000	-0.30000	2/27/17	749
	25.65000	-0.30000	2/27/17	749
	29.30000	-0.30000	2/28/17	749
	29.30000	-0.30000	3/1/17	749
	24.40000	-0.05000	3/2/17	749
	24.40000	-0.05000	3/3/17	749
	24.40000	-0.05000	3/6/17	749
	24.40000	-0.05000	3/6/17	749
	20.45000	-0.05000	3/6/17	749
	24.40000	-0.05000	3/7/17	749
	24.40000	-0.05000	3/8/17	749
	24.40000	-0.05000	3/9/17	749
	24.40000	-0.05000	3/10/17	749
	24.40000	-0.05000	3/13/17	749
	24.40000	-0.05000	3/13/17	749
	20.45000	-0.05000	3/13/17	749
	24.40000	-0.05000	3/14/17	749
	24.40000	-0.05000	3/15/17	749
	24.40000	-0.05000	3/16/17	749
	24.40000	-0.05000	3/17/17	749
	24.40000	-0.05000	3/20/17	749
	24.40000	-0.05000	3/20/17	749
	20.45000	-0.05000	3/20/17	749
	24.40000	-0.05000	3/21/17	749

	24.40000	-0.05000	3/22/17	749
	24.40000	-0.05000	3/23/17	749
	24.40000	-0.05000	3/24/17	749
	24.40000	-0.05000	3/27/17	749
	24.40000	-0.05000	3/27/17	749
	20.45000	-0.05000	3/27/17	749
	24.40000	-0.05000	3/28/17	749
	24.40000	-0.05000	3/29/17	749
	24.40000	-0.05000	3/30/17	749
	24.40000	-0.05000	3/31/17	749
	24.40000	-0.05000	4/3/17	749
	19.90000	0.10000	4/3/17	749
	13.90000	-0.40000	4/3/17	749
	19.90000	0.10000	4/4/17	749
	19.90000	0.10000	4/5/17	749
	19.90000	0.10000	4/6/17	749
	19.90000	0.10000	4/7/17	749
	19.90000	0.10000	4/10/17	749
	19.90000	0.10000	4/10/17	749
	13.90000	-0.40000	4/10/17	749
	19.90000	0.10000	4/11/17	749
	19.90000	0.10000	4/12/17	749
	19.90000	0.10000	4/13/17	749
	19.90000	0.10000	4/17/17	749
	19.90000	0.10000	4/17/17	749
	19.90000	0.10000	4/17/17	749

	13.90000	-0.40000	4/17/17	749
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	19.90000	0.10000	4/19/17	749
	19.90000	0.10000	4/20/17	749
	19.90000	0.10000	4/21/17	749
	19.90000	0.10000	4/24/17	749
	19.90000	0.10000	4/24/17	749
	13.90000	-0.40000	4/24/17	749
	19.90000	0.10000	4/25/17	749
	19.90000	0.10000	4/26/17	749
	19.90000	0.10000	4/27/17	749
	19.90000	0.10000	4/28/17	749
	19.90000	0.10000	5/1/17	749
	19.90000	0.10000	5/1/17	749
	13.90000	-0.40000	5/1/17	749
	20.25000	0.45000	5/2/17	749
	20.25000	0.45000	5/3/17	749
	20.25000	0.45000	5/4/17	749
	20.25000	0.45000	5/5/17	749
	20.25000	0.45000	5/8/17	749
	20.25000	0.45000	5/8/17	749
	12.60000	-0.05000	5/8/17	749
	20.25000	0.45000	5/9/17	749
	20.25000	0.45000	5/10/17	749
	20.25000	0.45000	5/11/17	749
	20.25000	0.45000	5/12/17	749

	20.25000	0.45000	5/15/17	749
	20.25000	0.45000	5/15/17	749
	12.60000	-0.05000	5/15/17	749
	20.25000	0.45000	5/16/17	749
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	20.25000	0.45000	5/19/17	749
	20.25000	0.45000	5/22/17	749
	20.25000	0.45000	5/22/17	749
	12.60000	-0.05000	5/22/17	749
	20.25000	0.45000	5/23/17	749
	20.25000	0.45000	5/24/17	749
	20.25000	0.45000	5/25/17	749
	20.25000	0.45000	5/26/17	749
	20.25000	0.45000	5/30/17	749
	20.25000	0.45000	5/30/17	749
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	20.25000	0.45000	5/30/17	749
	20.25000	0.45000	5/31/17	749
	20.25000	0.45000	6/1/17	749
	20.35000	-0.05000	6/2/17	749
	20.35000	-0.05000	6/5/17	749
	20.35000	-0.05000	6/5/17	749
	10.00000	-0.30000	6/5/17	749
	20.35000	-0.05000	6/6/17	749
	20.35000	-0.05000	6/7/17	749

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	20.35000	-0.05000	6/9/17	749
	20.35000	-0.05000	6/12/17	749
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	20.35000	-0.05000	6/16/17	749
	20.35000	-0.05000	6/19/17	749
	20.35000	-0.05000	6/19/17	749
	10.00000	-0.30000	6/19/17	749
	20.35000	-0.05000	6/20/17	749
	20.35000	-0.05000	6/21/17	749
	20.35000	-0.05000	6/22/17	749
	20.35000	-0.05000	6/23/17	749
	20.35000	-0.05000	6/26/17	749
	20.35000	-0.05000	6/26/17	749
	10.00000	-0.30000	6/26/17	749
	20.35000	-0.05000	6/27/17	749
	20.35000	-0.05000	6/28/17	749
	20.35000	-0.05000	6/29/17	749
	20.35000	-0.05000	6/30/17	749
	20.35000	-0.05000	7/3/17	749
	29.10000	-0.25000	7/3/17	749
	19.10000	-0.25000	7/3/17	749

	29.10000	-0.25000	7/5/17	749
	29.10000	-0.25000	7/5/17	749
	29.10000	-0.25000	7/6/17	749
	29.10000	-0.25000	7/7/17	749
	29.10000	-0.25000	7/10/17	749
	29.10000	-0.25000	7/10/17	749
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	29.10000	-0.25000	7/14/17	749
	29.10000	-0.25000	7/17/17	749
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	29.10000	-0.25000	7/24/17	749
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	29.10000	-0.25000	7/26/17	749
	29.10000	-0.25000	7/27/17	749
	29.10000	-0.25000	7/28/17	749
	29.10000	-0.25000	7/31/17	749

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	19.10000	-0.25000	7/31/17	749
	29.10000	-0.25000	8/1/17	749
	32.15000	-0.35000	8/2/17	749
	32.15000	-0.35000	8/3/17	749
	32.15000	-0.35000	8/4/17	749
	32.15000	-0.35000	8/7/17	749
	32.15000	-0.35000	8/7/17	749
	23.85000	-0.35000	8/7/17	749
	32.15000	-0.35000	8/8/17	749
	32.15000	-0.35000	8/9/17	749
	32.15000	-0.35000	8/10/17	749
	32.15000	-0.35000	8/11/17	749
	32.15000	-0.35000	8/14/17	749
	32.15000	-0.35000	8/14/17	749
	23.85000	-0.35000	8/14/17	749
	32.15000	-0.35000	8/15/17	749
	32.15000	-0.35000	8/16/17	749
	32.15000	-0.35000	8/17/17	749
	32.15000	-0.35000	8/18/17	749
	32.15000	-0.35000	8/21/17	749
	32.15000	-0.35000	8/21/17	749
	23.85000	-0.35000	8/21/17	749
	32.15000	-0.35000	8/22/17	749
	32.15000	-0.35000	8/23/17	749
	32.15000	-0.35000	8/24/17	749

	32.15000	-0.35000	8/25/17	749
	32.15000	-0.35000	8/28/17	749
	32.15000	-0.35000	8/28/17	749
	23.85000	-0.35000	8/28/17	749
	32.15000	-0.35000	8/29/17	749
	32.15000	-0.35000	8/30/17	749
	32.15000	-0.35000	8/31/17	749
	32.15000	-0.35000	9/1/17	749
	29.15000	-0.20000	9/5/17	749
	29.15000	-0.20000	9/5/17	749
	23.95000	-0.20000	9/5/17	749
	29.15000	-0.20000	9/5/17	749
	29.15000	-0.20000	9/6/17	749
	29.15000	-0.20000	9/7/17	749
	29.15000	-0.20000	9/8/17	749
	29.15000	-0.20000	9/11/17	749
	29.15000	-0.20000	9/11/17	749
	23.95000	-0.20000	9/11/17	749
	29.15000	-0.20000	9/12/17	749
	29.15000	-0.20000	9/13/17	749
	29.15000	-0.20000	9/14/17	749
	29.15000	-0.20000	9/15/17	749
	29.15000	-0.20000	9/18/17	749
	29.15000	-0.20000	9/18/17	749
	23.95000	-0.20000	9/18/17	749
	29.15000	-0.20000	9/19/17	749

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	29.15000	-0.20000	9/21/17	749
	29.15000	-0.20000	9/22/17	749
	29.15000	-0.20000	9/25/17	749
	29.15000	-0.20000	9/25/17	749
	23.95000	-0.20000	9/25/17	749
	29.15000	-0.20000	9/26/17	749
	29.15000	-0.20000	9/27/17	749
	29.15000	-0.20000	9/28/17	749
	29.15000	-0.20000	9/29/17	749
	29.15000	-0.20000	10/2/17	749
	29.15000		10/2/17	749
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	25.40000		10/3/17	749
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	280.00000	0.00000	8/26/20	18624
	280.00000	0.00000	10/27/20	18624
	280.00000	0.00000	1/26/21	18624
	280.00000	0.00000	4/27/21	18624
	280.00000	0.00000	5/25/21	18624
	280.00000	0.00000	7/27/21	19126
	280.00000	0.00000	8/26/21	19126
	280.00000	0.00000	10/26/21	19126
	280.00000	0.00000	1/26/22	19126
	280.00000	0.00000	4/26/22	19126
	280.00000	0.00000	5/25/22	19126

	280.00000	0.00000	7/26/22	19127
	280.00000	0.00000	8/26/22	19127
	280.00000	0.00000	10/26/22	19127
	280.00000	0.00000	1/26/23	19127
	280.00000	0.00000	4/25/23	19127
	280.00000	0.00000	5/25/23	19127
	280.00000	0.00000	7/26/23	19128
	280.00000	0.00000	8/28/23	19128
	280.00000	0.00000	10/26/23	19128
	280.00000	0.00000	1/26/24	19128
	280.00000	0.00000	4/25/24	19128
	280.00000	0.00000	5/28/24	19128
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	430.00000	0.00000	5/25/17	15846
	354.00000	0.00000	7/26/17	15847
	354.00000	0.00000	8/28/17	15847
	354.00000	0.00000	10/26/17	15847
	354.00000	0.00000	1/26/18	15847
	354.00000	0.00000	4/25/18	15847
	354.00000	0.00000	5/25/18	15847
	320.00000	0.00000	7/26/18	15966
	320.00000	0.00000	8/28/18	15966
	320.00000	0.00000	10/26/18	15966
	320.00000	0.00000	1/28/19	15966
	320.00000	0.00000	4/25/19	15966
	320.00000	0.00000	5/28/19	15966

	289.00000	0.00000	7/26/19	15967
	289.00000	0.00000	8/27/19	15967
	289.00000	0.00000	10/28/19	15967
	289.00000	0.00000	1/28/20	15967
	289.00000	0.00000	4/27/20	15967
	289.00000	0.00000	5/26/20	15967
	35.45000	0.00000	10/4/16	15559
	37.03000	9.53000	10/5/16	15559
	29.10000	0.00000	10/6/16	15559
	29.15000	0.05000	10/7/16	15559
	29.15000	0.05000	10/10/16	15559
	26.10000	0.00000	10/10/16	15559
	26.10000	0.00000	10/10/16	15559
	29.15000	0.05000	10/11/16	15559
	29.15000	0.05000	10/12/16	15559
	29.15000	0.05000	10/13/16	15559
	29.15000	0.05000	10/14/16	15559
	29.15000	0.05000	10/17/16	15559
	25.35000	0.42000	10/17/16	15559
	25.35000	0.42000	10/17/16	15559
	29.15000	0.05000	10/18/16	15559
	29.15000	0.05000	10/19/16	15559
	29.15000	0.05000	10/20/16	15559
	29.15000	0.05000	10/21/16	15559
	29.15000	0.05000	10/24/16	15559
	25.35000	0.42000	10/24/16	15559

	25.35000	0.42000	10/24/16	15559
	29.15000	0.05000	10/25/16	15559
	29.15000	0.05000	10/26/16	15559
	29.15000	0.05000	10/27/16	15559
	29.15000	0.05000	10/28/16	15559
	29.15000	0.05000	10/31/16	15559
	25.35000	0.42000	10/31/16	15559
	25.35000	0.42000	10/31/16	15559
	29.15000	0.05000	11/1/16	15559
	30.05000	0.35000	11/2/16	15559
	30.05000	0.35000	11/3/16	15559
	30.05000	0.35000	11/4/16	15559
	30.05000	0.35000	11/7/16	15559
	31.55000	0.36000	11/7/16	15559
	31.55000	0.36000	11/7/16	15559
	30.05000	0.35000	11/8/16	15559
	30.05000	0.35000	11/9/16	15559
	30.05000	0.35000	11/10/16	15559
	30.05000	0.35000	11/11/16	15559
	30.05000	0.35000	11/14/16	15559
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	30.05000		11/15/16	15559
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	30.05000		11/17/16	15559
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	22.01000	4.51000	10/5/16	15560
	17.50000	-8.50000	10/6/16	15560
	26.53000	0.53000	10/7/16	15560
	26.53000	0.53000	10/10/16	15560
	21.50000	0.00000	10/10/16	15560
	21.50000	0.00000	10/10/16	15560
	26.53000	0.53000	10/11/16	15560
	26.53000	0.53000	10/12/16	15560
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	26.53000	0.53000	10/17/16	15560
	21.53000	0.20000	10/17/16	15560
	21.53000	0.20000	10/17/16	15560
	26.53000	0.53000	10/18/16	15560
	26.53000	0.53000	10/19/16	15560
	26.53000	0.53000	10/20/16	15560
	26.53000	0.53000	10/21/16	15560
	26.53000	0.53000	10/24/16	15560
	21.53000	0.20000	10/24/16	15560
	21.53000	0.20000	10/24/16	15560
	26.53000	0.53000	10/25/16	15560
	26.53000	0.53000	10/26/16	15560
	26.53000	0.53000	10/27/16	15560
	26.53000	0.53000	10/28/16	15560
	26.53000	0.53000	10/31/16	15560
	21.53000	0.20000	10/31/16	15560

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	26.53000	0.53000	11/1/16	15560
	21.29000	-0.13000	11/2/16	15560
	21.29000	-0.13000	11/3/16	15560
	21.29000	-0.13000	11/4/16	15560
	21.29000	-0.13000	11/7/16	15560
	24.37000	0.10000	11/7/16	15560
	24.37000	0.10000	11/7/16	15560
	21.29000		11/8/16	15560
	21.29000		11/9/16	15560
	21.29000		11/10/16	15560
	35.46000	0.00000	10/4/16	357
	32.83000	0.90000	11/2/16	357
	33.25000	0.55000	12/2/16	357
	36.15000	0.50000	1/4/17	357
	44.90000	0.25000	2/2/17	357
	45.40000	0.30000	3/2/17	357
	37.90000	0.45000	4/4/17	357
	34.05000	0.10000	5/2/17	357
	34.60000	0.15000	6/2/17	357
	35.10000	0.10000	7/5/17	357
	41.10000	0.05000	8/2/17	357
	39.05000	0.05000	9/5/17	357
	33.25000	0.15000	10/3/17	357
	31.35000	0.15000	11/2/17	357
	31.80000	0.30000	12/4/17	357

	35.35000	0.20000	1/3/18	357
	46.10000	0.30000	2/2/18	357
	42.35000	0.30000	3/2/18	357
	35.15000	0.10000	4/3/18	357
	31.05000	0.10000	5/2/18	357
	32.10000	0.00000	6/4/18	357
	32.50000	0.00000	7/3/18	357
	42.20000	0.00000	8/2/18	357
	36.90000	0.00000	9/5/18	357
	30.50000	0.15000	10/2/18	357
	29.80000	0.00000	11/2/18	357
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	46.25000	-0.15000	2/4/19	357
	42.95000	-0.10000	3/4/19	357
	33.90000	-0.10000	4/2/19	357
	30.90000	-0.05000	5/2/19	357
	30.20000	-0.05000	6/4/19	357
	32.20000	0.30000	7/2/19	357
	40.35000	-0.10000	8/2/19	357
	35.45000	-0.10000	9/4/19	357
	30.55000	-0.05000	10/2/19	357
	28.85000	-0.05000	11/4/19	357
	29.35000	-0.05000	12/3/19	357
	31.00000	-0.10000	1/3/20	357
	46.00000	-0.15000	2/4/20	357

	42.05000	-0.10000	3/3/20	357
	33.55000	-0.10000	4/2/20	357
	30.50000	-0.05000	5/4/20	357
	30.95000	-0.10000	6/2/20	357
	32.25000	0.30000	7/2/20	357
	39.70000	-0.10000	8/4/20	357
	35.85000	-0.10000	9/2/20	357
	30.05000	-0.05000	10/2/20	357
	29.10000	-0.05000	11/3/20	357
	29.45000	-0.05000	12/2/20	357
	32.05000	-0.10000	1/5/21	357
	46.65000	-0.10000	2/2/21	357
	42.85000	-0.10000	3/2/21	357
	33.00000	-0.05000	4/5/21	357
	30.25000	-0.05000	5/4/21	357
	30.55000	-0.05000	6/2/21	357
	32.40000	-0.05000	7/2/21	357
	41.25000	-0.05000	8/3/21	357
	36.80000	-0.05000	9/2/21	357
	30.50000	-0.05000	10/4/21	357
	29.95000	-0.05000	11/2/21	357
	29.65000	-0.05000	12/2/21	357
	31.60000	-0.05000	1/4/22	357
	47.80000	-0.10000	2/2/22	357
	44.95000	-0.10000	3/2/22	357
	33.15000	-0.05000	4/4/22	357

	30.35000	-0.05000	5/3/22	357
	31.10000	-0.05000	6/2/22	357
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	32.05000	-0.05000	10/4/22	357
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	29.90000	-0.05000	12/2/22	357
	31.55000	-0.05000	1/4/23	357
	48.60000	-0.10000	2/2/23	357
	45.75000	-0.10000	3/2/23	357
	34.00000	-0.05000	4/4/23	357
	31.10000	-0.05000	5/2/23	357
	32.15000	-0.05000	6/2/23	357
	33.85000	-0.05000	7/5/23	357
	43.15000	-0.05000	8/2/23	357
	38.65000	-0.05000	9/5/23	357
	32.75000	-0.05000	10/3/23	357
	30.25000	-0.05000	11/2/23	357
	30.55000	-0.05000	12/4/23	357
	33.05000	-0.05000	1/3/24	357
	49.50000	-0.10000	2/2/24	357
	44.50000	-0.10000	3/4/24	357
	36.00000	-0.05000	4/2/24	357
	31.95000	-0.05000	5/2/24	357
	33.15000	-0.05000	6/4/24	357

	35.05000	-0.05000	7/2/24	357
	43.75000	-0.05000	8/2/24	357
	38.10000	-0.05000	9/4/24	357
	33.85000	-0.05000	10/2/24	357
	31.05000	-0.05000	11/4/24	357
	31.15000	-0.05000	12/3/24	357
	35.25000	-0.05000	1/3/25	357
	35.46000	0.00000	10/4/16	5746
	32.83000	0.90000	11/2/16	5746
	33.25000	0.55000	12/2/16	5746
	36.15000	0.50000	1/4/17	5746
	44.90000	0.25000	2/2/17	5746
	45.40000	0.30000	3/2/17	5746
	37.90000	0.45000	4/4/17	5746
	34.05000	0.10000	5/2/17	5746
	34.60000	0.15000	6/2/17	5746
	35.10000	0.10000	7/5/17	5746
	41.10000	0.05000	8/2/17	5746
	39.05000	0.05000	9/5/17	5746
	33.25000	0.15000	10/3/17	5746
	31.35000	0.15000	11/2/17	5746
	31.80000	0.30000	12/4/17	5746
	35.35000	0.20000	1/3/18	5746
	46.10000	0.30000	2/2/18	5746
	42.35000	0.30000	3/2/18	5746
	35.15000	0.10000	4/3/18	5746

	31.05000	0.10000	5/2/18	5746
	32.10000	0.00000	6/4/18	5746
	32.50000	0.00000	7/3/18	5746
	42.20000	0.00000	8/2/18	5746
	36.90000	0.00000	9/5/18	5746
	30.50000	0.15000	10/2/18	5746
	29.80000	0.00000	11/2/18	5746
	29.55000	0.00000	12/4/18	5746
	31.95000	0.00000	1/3/19	5746
	46.25000	-0.15000	2/4/19	5746
	42.95000	-0.10000	3/4/19	5746
	33.90000	-0.10000	4/2/19	5746
	30.90000	-0.05000	5/2/19	5746
	30.20000	-0.05000	6/4/19	5746
	32.20000	0.30000	7/2/19	5746
	40.35000	-0.10000	8/2/19	5746
	35.45000	-0.10000	9/4/19	5746
	30.55000	-0.05000	10/2/19	5746
	28.85000	-0.05000	11/4/19	5746
	29.35000	-0.05000	12/3/19	5746
	31.00000	-0.10000	1/3/20	5746
	46.00000	-0.15000	2/4/20	5746
	42.05000	-0.10000	3/3/20	5746
	33.55000	-0.10000	4/2/20	5746
	30.50000	-0.05000	5/4/20	5746
	30.95000	-0.10000	6/2/20	5746

	32.25000	0.30000	7/2/20	5746
	39.70000	-0.10000	8/4/20	5746
	35.85000	-0.10000	9/2/20	5746
	30.05000	-0.05000	10/2/20	5746
	29.10000	-0.05000	11/3/20	5746
	29.45000	-0.05000	12/2/20	5746
	32.05000	-0.10000	1/5/21	5746
	46.65000	-0.10000	2/2/21	5746
	42.85000	-0.10000	3/2/21	5746
	33.00000	-0.05000	4/5/21	5746
	30.25000	-0.05000	5/4/21	5746
	30.55000	-0.05000	6/2/21	5746
	32.40000	-0.05000	7/2/21	5746
	41.25000	-0.05000	8/3/21	5746
	36.80000	-0.05000	9/2/21	5746
	30.50000	-0.05000	10/4/21	5746
	29.95000	-0.05000	11/2/21	5746
	29.65000	-0.05000	12/2/21	5746
	31.60000	-0.05000	1/4/22	5746
	47.80000	-0.10000	2/2/22	5746
	44.95000	-0.10000	3/2/22	5746
	33.15000	-0.05000	4/4/22	5746
	30.35000	-0.05000	5/3/22	5746
	31.10000	-0.05000	6/2/22	5746
	32.90000	-0.05000	7/5/22	5746
	40.85000	-0.05000	8/2/22	5746

	37.45000	-0.05000	9/2/22	5746
	32.05000	-0.05000	10/4/22	5746
	29.65000	-0.05000	11/2/22	5746
	29.90000	-0.05000	12/2/22	5746
	31.55000	-0.05000	1/4/23	5746
	48.60000	-0.10000	2/2/23	5746
	45.75000	-0.10000	3/2/23	5746
	34.00000	-0.05000	4/4/23	5746
	31.10000	-0.05000	5/2/23	5746
	32.15000	-0.05000	6/2/23	5746
	33.85000	-0.05000	7/5/23	5746
	43.15000	-0.05000	8/2/23	5746
	38.65000	-0.05000	9/5/23	5746
	32.75000	-0.05000	10/3/23	5746
	30.25000	-0.05000	11/2/23	5746
	30.55000	-0.05000	12/4/23	5746
	33.05000	-0.05000	1/3/24	5746
	49.50000	-0.10000	2/2/24	5746
	44.50000	-0.10000	3/4/24	5746
	36.00000	-0.05000	4/2/24	5746
	31.95000	-0.05000	5/2/24	5746
	33.15000	-0.05000	6/4/24	5746
	35.05000	-0.05000	7/2/24	5746
	43.75000	-0.05000	8/2/24	5746
	38.10000	-0.05000	9/4/24	5746
	33.85000	-0.05000	10/2/24	5746

	31.05000	-0.05000	11/4/24	5746
	31.15000	-0.05000	12/3/24	5746
	35.25000	-0.05000	1/3/25	5746
	23.32000	0.00000	10/4/16	747
	22.80000	0.00000	10/5/16	747
	23.84000	1.39000	10/6/16	747
	21.90000	-0.55000	10/7/16	747
	21.90000	-0.55000	10/10/16	747
	21.90000	-0.55000	10/10/16	747
	21.90000	-0.55000	10/10/16	747
	21.90000	-0.55000	10/11/16	747
	21.90000	-0.55000	10/12/16	747
	21.90000	-0.55000	10/13/16	747
	21.90000	-0.55000	10/14/16	747
	21.90000	-0.55000	10/17/16	747
	21.90000	-0.55000	10/17/16	747
	21.90000	-0.55000	10/17/16	747
	21.90000	-0.55000	10/18/16	747
	21.90000	-0.55000	10/19/16	747
	21.90000	-0.55000	10/20/16	747
	21.90000	-0.55000	10/21/16	747
	21.90000	-0.55000	10/24/16	747
	21.90000	-0.55000	10/24/16	747
	21.90000	-0.55000	10/24/16	747
	21.90000	-0.55000	10/25/16	747
	21.90000	-0.55000	10/26/16	747

	21.90000	-0.55000	10/27/16	747
	21.90000	-0.55000	10/28/16	747
	21.90000	-0.55000	10/31/16	747
	21.90000	-0.55000	10/31/16	747
	21.90000	-0.55000	10/31/16	747
	21.90000	-0.55000	11/1/16	747
	23.40000	-0.05000	11/2/16	747
	23.40000	-0.05000	11/3/16	747
	23.40000	-0.05000	11/4/16	747
	23.40000	-0.05000	11/7/16	747
	23.40000	-0.05000	11/7/16	747
	23.40000	-0.05000	11/7/16	747
	23.40000	-0.05000	11/8/16	747
	23.40000	-0.05000	11/9/16	747
	23.40000	-0.05000	11/10/16	747
	23.40000	-0.05000	11/11/16	747
	23.40000	-0.05000	11/14/16	747
	23.40000	-0.05000	11/14/16	747
	23.40000	-0.05000	11/14/16	747
	23.40000	-0.05000	11/15/16	747
	23.40000	-0.05000	11/16/16	747
	23.40000	-0.05000	11/17/16	747
	23.40000	-0.05000	11/18/16	747
	23.40000	-0.05000	11/21/16	747
	23.40000	-0.05000	11/21/16	747
	23.40000	-0.05000	11/21/16	747

	23.40000	-0.05000	11/22/16	747
	23.40000	-0.05000	11/23/16	747
	23.40000	-0.05000	11/28/16	747
	23.40000	-0.05000	11/28/16	747
	23.40000	-0.05000	11/28/16	747
	23.40000	-0.05000	11/28/16	747
	23.40000	-0.05000	11/28/16	747
	23.40000	-0.05000	11/29/16	747
	23.40000	-0.05000	11/30/16	747
	23.40000	-0.05000	12/1/16	747
	28.30000	-0.10000	12/2/16	747
	28.30000	-0.10000	12/5/16	747
	28.30000	-0.10000	12/5/16	747
	28.30000	-0.10000	12/5/16	747
	28.30000	-0.10000	12/6/16	747
	28.30000	-0.10000	12/7/16	747
	28.30000	-0.10000	12/8/16	747
	28.30000	-0.10000	12/9/16	747
	28.30000		12/12/16	747
	28.30000		12/12/16	747
	28.30000		12/12/16	747
	65.00000	0.00000	10/26/16	15829
	65.00000	0.00000	11/25/16	15829
	65.00000	0.00000	12/23/16	15829
	65.00000	0.00000	10/26/16	18382
	65.00000	0.00000	11/25/16	18382

	65.00000	0.00000	12/23/16	18382
	65.00000	0.00000	3/28/17	18382
	65.00000	0.00000	6/27/17	18382
	65.00000	0.00000	9/26/17	18382
	65.00000	0.00000	12/22/17	18382
	34.73000	0.00000	10/4/16	289
	27.13000	0.91000	11/2/16	289
	31.60000	0.15000	12/2/16	289
	42.55000	-0.05000	1/4/17	289
	57.80000	0.05000	2/2/17	289
	55.10000	0.15000	3/2/17	289
	40.15000	0.45000	4/4/17	289
	37.25000	0.10000	5/2/17	289
	36.70000	0.15000	6/2/17	289
	38.80000	0.10000	7/5/17	289
	50.20000	0.05000	8/2/17	289
	46.55000	0.00000	9/5/17	289
	37.35000	0.15000	10/3/17	289
	34.55000	0.15000	11/2/17	289
	34.75000	0.30000	12/4/17	289
	40.10000	0.20000	1/3/18	289
	57.00000	-0.60000	2/2/18	289
	52.60000	-0.55000	3/2/18	289
	40.15000	-0.55000	4/3/18	289
	33.40000	-0.45000	5/2/18	289
	34.70000	-0.60000	6/4/18	289

	35.70000	-0.55000	7/3/18	289
	47.95000	-0.80000	8/2/18	289
	42.90000	-0.70000	9/5/18	289
	34.75000	-0.45000	10/2/18	289
	35.25000	-0.60000	11/2/18	289
	36.65000	-0.60000	12/4/18	289
	39.60000	-0.65000	1/3/19	289
	55.65000	-0.85000	2/4/19	289
	51.00000	-0.80000	3/4/19	289
	40.10000	-0.60000	4/2/19	289
	33.80000	-0.55000	5/2/19	289
	30.50000	-0.50000	6/4/19	289
	36.25000	-0.20000	7/2/19	289
	48.70000	-0.75000	8/2/19	289
	43.40000	-0.70000	9/4/19	289
	35.30000	-0.55000	10/2/19	289
	34.80000	-0.55000	11/4/19	289
	33.05000	-0.50000	12/3/19	289
	36.20000	-0.55000	1/3/20	289
	56.35000	-0.90000	2/4/20	289
	50.90000	-0.80000	3/3/20	289
	38.10000	-0.60000	4/2/20	289
	32.00000	-0.50000	5/4/20	289
	32.80000	-0.50000	6/2/20	289
	34.75000	-0.20000	7/2/20	289
	46.20000	-0.75000	8/4/20	289

	41.55000	-0.65000	9/2/20	289
	33.60000	-0.55000	10/2/20	289
	33.00000	-0.50000	11/3/20	289
	34.25000	-0.55000	12/2/20	289
	37.20000	-0.60000	1/5/21	289
	58.10000	-0.85000	2/2/21	289
	52.20000	-0.80000	3/2/21	289
	37.60000	-0.55000	4/5/21	289
	31.65000	-0.45000	5/4/21	289
	32.70000	-0.50000	6/2/21	289
	34.85000	-0.50000	7/2/21	289
	46.85000	-0.70000	8/3/21	289
	41.75000	-0.60000	9/2/21	289
	34.20000	-0.50000	10/4/21	289
	33.75000	-0.50000	11/2/21	289
	35.05000	-0.50000	12/2/21	289
	39.00000	-0.55000	1/4/22	289
	83.15000	2.05000	10/28/16	5950
	81.20000	1.55000	11/25/16	5950
	79.30000	1.10000	12/30/16	5950
	78.20000	2.10000	1/27/17	5950
	76.75000	0.65000	2/24/17	5950
	75.30000	-0.80000	3/31/17	5950
	72.10000	0.40000	4/28/17	5950
	72.10000	0.40000	5/26/17	5950
	72.10000	0.40000	6/30/17	5950

	68.75000	0.20000	7/28/17	5950
	68.75000	0.20000	8/25/17	5950
	68.75000	0.20000	9/29/17	5950
	66.80000	-0.35000	10/27/17	5950
	66.80000	-0.35000	11/24/17	5950
	66.80000	-0.35000	12/29/17	5950
	68.30000	-0.50000	1/26/18	5950
	68.30000	-0.50000	2/23/18	5950
	68.30000	-0.50000	3/29/18	5950
	68.30000	-0.50000	4/27/18	5950
	68.30000	-0.50000	5/25/18	5950
	68.30000	-0.50000	6/29/18	5950
	68.30000	-0.50000	7/27/18	5950
	68.30000	-0.50000	8/31/18	5950
	68.30000	-0.50000	9/28/18	5950
	68.30000	-0.50000	10/26/18	5950
	68.30000	-0.50000	11/30/18	5950
	68.30000	-0.50000	12/28/18	5950
	83.15000	2.05000	10/28/16	5951
	81.20000	1.55000	11/25/16	5951
	79.30000	1.10000	12/30/16	5951
	78.20000	2.10000	1/27/17	5951
	76.75000	0.65000	2/24/17	5951
	75.30000	-0.80000	3/31/17	5951
	72.10000	0.40000	4/28/17	5951
	72.10000	0.40000	5/26/17	5951

	72.10000	0.40000	6/30/17	5951
	68.75000	0.20000	7/28/17	5951
	68.75000	0.20000	8/25/17	5951
	68.75000	0.20000	9/29/17	5951
	66.80000	-0.35000	10/27/17	5951
	66.80000	-0.35000	11/24/17	5951
	66.80000	-0.35000	12/29/17	5951
	68.30000	-0.50000	1/26/18	5951
	68.30000	-0.50000	2/23/18	5951
	68.30000	-0.50000	3/29/18	5951
	68.30000	-0.50000	4/27/18	5951
	68.30000	-0.50000	5/25/18	5951
	68.30000	-0.50000	6/29/18	5951
	68.30000	-0.50000	7/27/18	5951
	68.30000	-0.50000	8/31/18	5951
	68.30000	-0.50000	9/28/18	5951
	68.30000	-0.50000	10/26/18	5951
	68.30000	-0.50000	11/30/18	5951
	68.30000	-0.50000	12/28/18	5951
	83.15000	2.05000	10/28/16	5952
	81.20000	1.55000	11/25/16	5952
	79.30000	1.10000	12/30/16	5952
	78.20000	2.10000	1/27/17	5952
	76.75000	0.65000	2/24/17	5952
	75.30000	-0.80000	3/31/17	5952
	72.10000	0.40000	4/28/17	5952

	72.10000	0.40000	5/26/17	5952
	72.10000	0.40000	6/30/17	5952
	68.75000	0.20000	7/28/17	5952
	68.75000	0.20000	8/25/17	5952
	68.75000	0.20000	9/29/17	5952
	66.80000	-0.35000	10/27/17	5952
	66.80000	-0.35000	11/24/17	5952
	66.80000	-0.35000	12/29/17	5952
	68.30000	-0.50000	1/26/18	5952
	68.30000	-0.50000	2/23/18	5952
	68.30000	-0.50000	3/29/18	5952
	68.30000	-0.50000	4/27/18	5952
	68.30000	-0.50000	5/25/18	5952
	68.30000	-0.50000	6/29/18	5952
	68.30000	-0.50000	7/27/18	5952
	68.30000	-0.50000	8/31/18	5952
	68.30000	-0.50000	9/28/18	5952
	68.30000	-0.50000	10/26/18	5952
	68.30000	-0.50000	11/30/18	5952
	68.30000	-0.50000	12/28/18	5952
	67.85000	-0.10000	1/25/19	5952
	67.85000	-0.10000	2/22/19	5952
	67.85000	-0.10000	3/29/19	5952
	67.85000	-0.10000	4/26/19	5952
	67.85000	-0.10000	5/31/19	5952
	67.85000	-0.10000	6/28/19	5952

	67.85000	-0.10000	7/26/19	5952
	67.85000	-0.10000	8/30/19	5952
	67.85000	-0.10000	9/27/19	5952
	67.85000	-0.10000	10/25/19	5952
	67.85000	-0.10000	11/29/19	5952
	67.85000	-0.10000	12/27/19	5952
	83.15000	2.05000	10/28/16	18474
	81.20000	1.55000	11/25/16	18474
	79.30000	1.10000	12/30/16	18474
	78.20000	2.10000	1/27/17	18474
	76.75000	0.65000	2/24/17	18474
	75.30000	-0.80000	3/31/17	18474
	72.10000	0.40000	4/28/17	18474
	72.10000	0.40000	5/26/17	18474
	72.10000	0.40000	6/30/17	18474
	68.75000	0.20000	7/28/17	18474
	68.75000	0.20000	8/25/17	18474
	68.75000	0.20000	9/29/17	18474
	66.80000	-0.35000	10/27/17	18474
	66.80000	-0.35000	11/24/17	18474
	66.80000	-0.35000	12/29/17	18474
	68.35000	-0.50000	1/26/18	18474
	68.35000	-0.50000	2/23/18	18474
	68.35000	-0.50000	3/29/18	18474
	68.25000	-0.50000	4/27/18	18474
	68.25000	-0.50000	5/25/18	18474

	68.25000	-0.50000	6/29/18	18474
	68.30000	-0.50000	7/27/18	18474
	68.30000	-0.50000	8/31/18	18474
	68.30000	-0.50000	9/28/18	18474
	68.30000	-0.50000	10/26/18	18474
	68.30000	-0.50000	11/30/18	18474
	68.30000	-0.50000	12/28/18	18474
	67.85000	-0.10000	1/25/19	18474
	67.85000	-0.10000	2/22/19	18474
	67.85000	-0.10000	3/29/19	18474
	67.85000	-0.10000	4/26/19	18474
	67.85000	-0.10000	5/31/19	18474
	67.85000	-0.10000	6/28/19	18474
	67.85000	-0.10000	7/26/19	18474
	67.85000	-0.10000	8/30/19	18474
	67.85000	-0.10000	9/27/19	18474
	67.85000	-0.10000	10/25/19	18474
	67.85000	-0.10000	11/29/19	18474
	67.85000	-0.10000	12/27/19	18474
	83.15000	2.05000	10/28/16	3543
	81.20000	1.55000	11/25/16	3543
	79.30000	1.10000	12/30/16	3543
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	71.10000	0.22000	2/24/17	3543
	71.10000	0.22000	3/31/17	3543
	71.10000	0.22000	4/28/17	3543

	71.10000	0.22000	5/26/17	3543
	71.10000	0.22000	6/30/17	3543
	71.10000	0.22000	7/28/17	3543
	71.10000	0.22000	8/25/17	3543
	71.10000	0.22000	9/29/17	3543
	71.10000	0.22000	10/27/17	3543
	71.10000	0.22000	11/24/17	3543
	71.10000	0.22000	12/29/17	3543
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	68.30000	-0.50000	2/23/18	3543
	68.30000	-0.50000	3/29/18	3543
	68.30000	-0.50000	4/27/18	3543
	68.30000	-0.50000	5/25/18	3543
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	68.30000	-0.50000	7/27/18	3543
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	68.30000	-0.50000	11/30/18	3543
	68.30000	-0.50000	12/28/18	3543
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	67.85000	-0.10000	2/22/19	3543
	67.85000	-0.10000	3/29/19	3543
	67.85000	-0.10000	4/26/19	3543
	67.85000	-0.10000	5/31/19	3543
	67.85000	-0.10000	6/28/19	3543

	67.85000	-0.10000	7/26/19	3543
	67.85000	-0.10000	8/30/19	3543
	67.85000	-0.10000	9/27/19	3543
	67.85000	-0.10000	10/25/19	3543
	67.85000	-0.10000	11/29/19	3543
	67.85000	-0.10000	12/27/19	3543
	67.65000	-0.10000	1/31/20	3543
	67.65000	-0.10000	2/28/20	3543
	67.65000	-0.10000	3/27/20	3543
	67.65000	-0.10000	4/24/20	3543
	67.65000	-0.10000	5/29/20	3543
	67.65000	-0.10000	6/26/20	3543
	67.65000	-0.10000	7/31/20	3543
	67.65000	-0.10000	8/28/20	3543
	67.65000	-0.10000	9/25/20	3543
	67.65000	-0.10000	10/30/20	3543
	67.65000	-0.10000	11/27/20	3543
	67.65000	-0.10000	12/24/20	3543
	83.15000	2.05000	10/28/16	1459
	81.20000	1.55000	11/25/16	1459
	79.30000	1.10000	12/30/16	1459
	78.20000	2.10000	1/27/17	1459
	76.75000	0.65000	2/24/17	1459
	75.30000	-0.80000	3/31/17	1459
	72.10000	0.40000	4/28/17	1459
	72.10000	0.40000	5/26/17	1459

	72.10000	0.40000	6/30/17	1459
	68.75000	0.20000	7/28/17	1459
	68.75000	0.20000	8/25/17	1459
	68.75000	0.20000	9/29/17	1459
	66.80000	-0.35000	10/27/17	1459
	66.80000	-0.35000	11/24/17	1459
	66.80000	-0.35000	12/29/17	1459
	68.35000	-0.50000	1/26/18	1459
	68.35000	-0.50000	2/23/18	1459
	68.35000	-0.50000	3/29/18	1459
	68.25000	-0.50000	4/27/18	1459
	68.25000	-0.50000	5/25/18	1459
	68.25000	-0.50000	6/29/18	1459
	68.30000	-0.50000	7/27/18	1459
	68.30000	-0.50000	8/31/18	1459
	68.30000	-0.50000	9/28/18	1459
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	68.30000	-0.50000	12/28/18	1459
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	67.85000	-0.10000	2/22/19	1459
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	67.85000	-0.10000	4/26/19	1459
	67.85000	-0.10000	5/31/19	1459
	67.85000	-0.10000	6/28/19	1459
	67.85000	-0.10000	7/26/19	1459

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	67.85000	-0.10000	9/27/19	1459
	67.85000	-0.10000	10/25/19	1459
	67.85000	-0.10000	11/29/19	1459
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	67.65000	-0.10000	5/29/20	1459
	67.65000	-0.10000	6/26/20	1459
	67.65000	-0.10000	7/31/20	1459
	67.65000	-0.10000	8/28/20	1459
	67.65000	-0.10000	9/25/20	1459
	67.65000	-0.10000	10/30/20	1459
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	67.65000	-0.10000	12/24/20	1459
	67.85000	-0.10000	1/29/21	1459
	67.85000	-0.10000	2/26/21	1459
	67.85000	-0.10000	3/26/21	1459
	67.85000	-0.10000	4/30/21	1459
	67.85000	-0.10000	5/28/21	1459
	67.85000	-0.10000	6/25/21	1459
	67.85000	-0.10000	7/30/21	1459
	67.85000	-0.10000	8/27/21	1459
	67.85000	-0.10000	9/24/21	1459

	67.85000	-0.10000	10/29/21	1459
	67.85000	-0.10000	11/26/21	1459
	67.85000	-0.10000	12/31/21	1459
	68.05000	-0.10000	1/28/22	1459
	68.05000	-0.10000	2/25/22	1459
	68.05000	-0.10000	3/25/22	1459
	68.05000	-0.10000	4/29/22	1459
	68.05000	-0.10000	5/27/22	1459
	68.05000	-0.10000	6/24/22	1459
	68.05000	-0.10000	7/29/22	1459
	68.05000	-0.10000	8/26/22	1459
	68.05000	-0.10000	9/30/22	1459
	68.05000	-0.10000	10/28/22	1459
	68.05000	-0.10000	11/25/22	1459
	68.05000	-0.10000	12/30/22	1459
	9.64000	0.00000	10/4/16	5289
	9.18000	0.00000	10/5/16	5289
	10.32000	-3.59000	10/6/16	5289
	12.26000	-1.65000	10/7/16	5289
	12.26000	-1.65000	10/10/16	5289
	16.00000	0.00000	10/10/16	5289
	16.00000	0.00000	10/10/16	5289
	12.26000	-1.65000	10/11/16	5289
	12.26000	-1.65000	10/12/16	5289
	12.26000	-1.65000	10/13/16	5289
	12.26000	-1.65000	10/14/16	5289

	12.26000	-1.65000	10/17/16	5289
	12.12000	-0.44000	10/17/16	5289
	12.12000	-0.44000	10/17/16	5289
	12.26000	-1.65000	10/18/16	5289
	12.26000	-1.65000	10/19/16	5289
	12.26000	-1.65000	10/20/16	5289
	12.26000	-1.65000	10/21/16	5289
	12.26000	-1.65000	10/24/16	5289
	12.12000	-0.44000	10/24/16	5289
	12.12000	-0.44000	10/24/16	5289
	12.26000	-1.65000	10/25/16	5289
	12.26000	-1.65000	10/26/16	5289
	12.26000	-1.65000	10/27/16	5289
	12.26000	-1.65000	10/28/16	5289
	12.26000	-1.65000	10/31/16	5289
	12.12000	-0.44000	10/31/16	5289
	12.12000	-0.44000	10/31/16	5289
	12.26000	-1.65000	11/1/16	5289
	15.56000	-0.11000	11/2/16	5289
	15.56000	-0.11000	11/3/16	5289
	15.56000	-0.11000	11/4/16	5289
	15.56000	-0.11000	11/7/16	5289
	15.39000	0.00000	11/7/16	5289
	15.39000	0.00000	11/7/16	5289
	15.56000		11/8/16	5289
	15.56000		11/9/16	5289

	15.56000		11/10/16	5289
	20.61000	0.00000	10/4/16	5288
	19.00000	0.00000	10/5/16	5288
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	25.60000	1.30000	10/10/16	5288
	18.65000	0.00000	10/10/16	5288
	18.65000	0.00000	10/10/16	5288
	23.18000	1.31000	10/11/16	5288
	23.18000	1.31000	10/12/16	5288
	23.18000	1.31000	10/13/16	5288
	23.18000	1.31000	10/14/16	5288
	23.18000	1.31000	10/17/16	5288
	19.51000	0.79000	10/17/16	5288
	19.51000	0.79000	10/17/16	5288
	23.18000	1.31000	10/18/16	5288
	23.18000	1.31000	10/19/16	5288
	23.18000	1.31000	10/20/16	5288
	23.18000	1.31000	10/21/16	5288
	23.18000	1.31000	10/24/16	5288
	19.51000	0.79000	10/24/16	5288
	19.51000	0.79000	10/24/16	5288
	23.18000	1.31000	10/25/16	5288
	23.18000	1.31000	10/26/16	5288
	23.18000	1.31000	10/27/16	5288
	23.18000	1.31000	10/28/16	5288

	23.18000	1.31000	10/31/16	5288
	19.51000	0.79000	10/31/16	5288
	19.51000	0.79000	10/31/16	5288
	23.18000	1.31000	11/1/16	5288
	26.40000	0.15000	11/2/16	5288
	26.40000	0.15000	11/3/16	5288
	26.40000	0.15000	11/4/16	5288
	26.40000	0.15000	11/7/16	5288
	22.44000	0.13000	11/7/16	5288
	22.44000	0.13000	11/7/16	5288
	26.40000		11/8/16	5288
	26.40000		11/9/16	5288
	26.40000		11/10/16	5288
	83.15000	2.05000	10/28/16	3544
	81.20000	1.55000	11/25/16	3544
	79.30000	1.10000	12/30/16	3544
	76.75000	0.65000	1/27/17	3544
	76.75000	0.65000	2/24/17	3544
	76.75000	0.65000	3/31/17	3544
	72.10000	0.40000	4/28/17	3544
	72.10000	0.40000	5/26/17	3544
	72.10000	0.40000	6/30/17	3544
	68.75000	0.20000	7/28/17	3544
	68.75000	0.20000	8/25/17	3544
	68.75000	0.20000	9/29/17	3544
	66.80000	-0.35000	10/27/17	3544

	66.80000	-0.35000	11/24/17	3544
	66.80000	-0.35000	12/29/17	3544
	68.35000	-0.50000	1/26/18	3544
	68.35000	-0.50000	2/23/18	3544
	68.35000	-0.50000	3/29/18	3544
	68.25000	-0.50000	4/27/18	3544
	68.25000	-0.50000	5/25/18	3544
	68.25000	-0.50000	6/29/18	3544
	68.30000	-0.50000	7/27/18	3544
	68.30000	-0.50000	8/31/18	3544
	68.30000	-0.50000	9/28/18	3544
	68.30000	-0.50000	10/26/18	3544
	68.30000	-0.50000	11/30/18	3544
	68.30000	-0.50000	12/28/18	3544
	67.85000	-0.10000	1/25/19	3544
	67.85000	-0.10000	2/22/19	3544
	67.85000	-0.10000	3/29/19	3544
	10.85000	0.00000	7/26/17	15838
	11.90000	0.00000	6/26/18	15958
	11.90000	0.00000	7/26/18	15958
	11.90000	0.00000	8/28/18	15958
	11.90000	0.00000	9/25/18	15958
	11.90000	0.00000	10/26/18	15958
	11.90000	0.00000	11/27/18	15958
	11.90000	0.00000	12/24/18	15958
	11.90000	0.00000	1/28/19	15958

	11.90000	0.00000	2/25/19	15958
	11.90000	0.00000	3/26/19	15958
	11.90000	0.00000	4/25/19	15958
	11.90000	0.00000	5/28/19	15958
	11.90000	0.00000	6/25/19	15958
	11.90000	0.00000	7/26/19	15958
	12.25000	0.00000	7/26/19	18391
	12.25000	0.00000	8/27/19	18391
	12.75000	0.00000	7/28/20	18392
	12.75000	0.00000	8/26/20	18392
	13.85000	0.00000	6/25/21	19264
	13.85000	0.00000	7/27/21	19264
	13.70000	0.00000	6/27/22	19265
	13.70000	0.00000	7/26/22	19265
	13.70000	0.00000	6/27/23	19266
	13.70000	0.00000	7/26/23	19266
	22.75000	0.00000	10/4/16	2627
	25.00000	0.00000	10/5/16	2627
	28.00000	0.00000	10/6/16	2627
	23.22000	0.00000	10/7/16	2627
	24.46000	0.00000	10/10/16	2627
	23.68000	0.00000	10/10/16	2627
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	22.20000	0.00000	10/11/16	2627
	24.27000	0.00000	10/12/16	2627
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	30.15000	0.50000	10/14/16	2627
	30.15000	0.50000	10/17/16	2627
	23.19000	0.68000	10/17/16	2627
	23.19000	0.68000	10/17/16	2627
	30.50000	1.25000	10/18/16	2627
	30.50000	1.25000	10/19/16	2627
	30.50000	1.25000	10/20/16	2627
	30.50000	1.25000	10/21/16	2627
	30.50000	1.25000	10/24/16	2627
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	23.19000	0.68000	10/24/16	2627
	28.50000	0.84000	10/25/16	2627
	28.50000	0.84000	10/26/16	2627
	28.50000	0.84000	10/27/16	2627
	28.50000	0.84000	10/28/16	2627
	28.50000	0.84000	10/31/16	2627
	23.19000	0.68000	10/31/16	2627
	23.19000	0.68000	10/31/16	2627
	28.50000	0.84000	11/1/16	2627
	28.50000	0.84000	11/2/16	2627
	28.50000	0.84000	11/3/16	2627
	28.50000	0.84000	11/4/16	2627
	28.50000	0.84000	11/7/16	2627
	23.19000	0.68000	11/7/16	2627
	23.19000	0.68000	11/7/16	2627
	28.50000	0.84000	11/8/16	2627

	27.39000	0.45000	11/9/16	2627
	27.39000	0.45000	11/10/16	2627
	27.39000	0.45000	11/11/16	2627
	27.39000	0.45000	11/14/16	2627
	23.15000	0.38000	11/14/16	2627
	23.15000	0.38000	11/14/16	2627
	27.39000	0.45000	11/15/16	2627
	27.39000	0.45000	11/16/16	2627
	27.39000	0.45000	11/17/16	2627
	27.39000	0.45000	11/18/16	2627
	27.39000	0.45000	11/21/16	2627
	23.15000	0.38000	11/21/16	2627
	23.15000	0.38000	11/21/16	2627
	27.39000	0.45000	11/22/16	2627
	27.39000	0.45000	11/23/16	2627
	27.39000	0.45000	11/28/16	2627
	27.39000	0.45000	11/28/16	2627
	27.39000	0.45000	11/28/16	2627
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	23.15000	0.38000	11/28/16	2627
	27.39000	0.45000	11/29/16	2627
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	27.39000	0.45000	12/1/16	2627
	23.15000	0.38000	12/2/16	2627
	27.39000	0.45000	12/5/16	2627
	23.15000	0.38000	12/5/16	2627

	23.15000	0.38000	12/5/16	2627
	27.39000	0.45000	12/6/16	2627
	27.39000	0.45000	12/7/16	2627
	27.39000	0.45000	12/8/16	2627
	28.08000	0.14000	12/9/16	2627
	28.08000	0.14000	12/12/16	2627
	23.74000	0.12000	12/12/16	2627
	23.74000	0.12000	12/12/16	2627
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	28.08000	0.14000	12/16/16	2627
	28.08000	0.14000	12/19/16	2627
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	23.74000	0.12000	12/19/16	2627
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	28.08000	0.14000	12/21/16	2627
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	28.08000	0.14000	12/23/16	2627
	28.08000	0.14000	12/27/16	2627
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	23.74000	0.12000	12/27/16	2627
	28.08000	0.14000	12/27/16	2627
	28.08000	0.14000	12/28/16	2627
	28.08000	0.14000	12/29/16	2627
	28.08000	0.14000	12/30/16	2627

	28.08000	0.14000	1/3/17	2627
	23.74000	0.12000	1/3/17	2627
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	28.08000	0.14000	1/4/17	2627
	28.08000	0.14000	1/5/17	2627
	28.08000	0.14000	1/6/17	2627
	28.08000	0.14000	1/9/17	2627
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	31.07000	0.10000	1/12/17	2627
	31.07000	0.10000	1/13/17	2627
	31.07000	0.10000	1/17/17	2627
	26.41000	0.09000	1/17/17	2627
	26.41000	0.09000	1/17/17	2627
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	31.07000	0.10000	1/18/17	2627
	31.07000	0.10000	1/19/17	2627
	31.07000	0.10000	1/20/17	2627
	31.07000	0.10000	1/23/17	2627
	26.41000	0.09000	1/23/17	2627
	26.41000	0.09000	1/23/17	2627
	31.07000	0.10000	1/24/17	2627
	31.07000	0.10000	1/25/17	2627

	31.07000	0.10000	1/26/17	2627
	31.07000	0.10000	1/27/17	2627
	31.07000	0.10000	1/30/17	2627
	26.41000	0.09000	1/30/17	2627
	26.41000	0.09000	1/30/17	2627
	31.07000	0.10000	1/31/17	2627
	31.07000	0.10000	2/1/17	2627
	31.07000	0.10000	2/2/17	2627
	31.07000	0.10000	2/3/17	2627
	31.07000	0.10000	2/6/17	2627
	26.41000	0.09000	2/6/17	2627
	26.41000	0.09000	2/6/17	2627
	31.07000	0.10000	2/7/17	2627
	31.07000	0.10000	2/8/17	2627
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	31.20000	0.09000	2/10/17	2627
	31.20000	0.09000	2/13/17	2627
	26.52000	0.08000	2/13/17	2627
	26.52000		2/13/17	2627
	31.20000		2/14/17	2627
	31.20000		2/15/17	2627
	25.00000	0.00000	10/4/16	18462
	28.00000	0.00000	10/5/16	18462
	23.22000	0.00000	10/6/16	18462
	24.46000	0.00000	10/7/16	18462
	23.68000	0.00000	10/7/16	18462

	24.01000	0.00000	10/7/16	18462
	22.20000	0.00000	10/10/16	18462
	24.27000	0.00000	10/11/16	18462
	33.33000	3.68000	10/12/16	18462
	30.15000	0.50000	10/13/16	18462
	30.15000	0.50000	10/14/16	18462
	23.19000	0.68000	10/14/16	18462
	23.19000	0.68000	10/14/16	18462
	30.50000	1.25000	10/17/16	18462
	30.50000	1.25000	10/18/16	18462
	30.50000	1.25000	10/19/16	18462
	30.50000	1.25000	10/20/16	18462
	30.50000	1.25000	10/21/16	18462
	23.19000	0.68000	10/21/16	18462
	23.19000	0.68000	10/21/16	18462
	28.50000	0.84000	10/24/16	18462
	28.50000	0.84000	10/25/16	18462
	28.50000	0.84000	10/26/16	18462
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	28.50000	0.84000	10/28/16	18462
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	23.19000	0.68000	10/28/16	18462
	28.50000	0.84000	10/31/16	18462
	28.50000	0.84000	11/1/16	18462
	28.50000	0.84000	11/2/16	18462
	28.50000	0.84000	11/3/16	18462

	28.50000	0.84000	11/4/16	18462
	23.19000	0.68000	11/4/16	18462
	23.19000	0.68000	11/4/16	18462
	28.50000	0.84000	11/7/16	18462
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	27.39000	0.45000	11/9/16	18462
	27.39000	0.45000	11/10/16	18462
	27.39000	0.45000	11/11/16	18462
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	23.15000	0.38000	11/11/16	18462
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	27.39000	0.45000	11/16/16	18462
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	18.45000	0.00000	10/5/16	2639
	18.48000	0.00000	10/6/16	2639
	17.21000	0.00000	10/7/16	2639
	18.12000	0.00000	10/10/16	2639
	17.62000	0.00000	10/10/16	2639
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	15.50000	0.00000	10/11/16	2639
	9.72000	0.00000	10/12/16	2639
	18.00000	-2.71000	10/13/16	2639
	21.01000	0.30000	10/14/16	2639
	21.01000	0.30000	10/17/16	2639

	16.18000	0.23000	10/17/16	2639
	16.18000	0.23000	10/17/16	2639
	21.01000	0.30000	10/18/16	2639
	21.01000	0.30000	10/19/16	2639
	21.01000	0.30000	10/20/16	2639
	21.01000	0.30000	10/21/16	2639
	21.01000	0.30000	10/24/16	2639
	16.18000	0.23000	10/24/16	2639
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	21.01000	0.30000	10/25/16	2639
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	21.01000	0.30000	11/1/16	2639
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	16.18000	0.23000	11/7/16	2639
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	21.01000	0.30000	11/8/16	2639
	18.52000	0.21000	11/9/16	2639
	18.52000	0.21000	11/10/16	2639

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	18.52000	0.21000	11/14/16	2639
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	18.52000	0.21000	11/29/16	2639
	18.52000	0.21000	11/30/16	2639
	18.52000	0.21000	12/1/16	2639
	16.97000	0.23000	12/2/16	2639
	18.52000	0.21000	12/5/16	2639
	16.97000	0.23000	12/5/16	2639
	16.97000	0.23000	12/5/16	2639
	18.52000	0.21000	12/6/16	2639

	18.52000	0.21000	12/7/16	2639
	18.52000	0.21000	12/8/16	2639
	20.46000	0.07000	12/9/16	2639
	20.46000	0.07000	12/12/16	2639
	18.09000	0.08000	12/12/16	2639
	18.09000	0.08000	12/12/16	2639
	20.46000	0.07000	12/13/16	2639
	20.46000	0.07000	12/14/16	2639
	20.46000	0.07000	12/15/16	2639
	20.46000	0.07000	12/16/16	2639
	20.46000	0.07000	12/19/16	2639
	18.09000	0.08000	12/19/16	2639
	18.09000	0.08000	12/19/16	2639
	20.46000	0.07000	12/20/16	2639
	20.46000	0.07000	12/21/16	2639
	20.46000	0.07000	12/22/16	2639
	20.46000	0.07000	12/23/16	2639
	20.46000	0.07000	12/27/16	2639
	18.09000	0.08000	12/27/16	2639
	18.09000	0.08000	12/27/16	2639
	20.46000	0.07000	12/27/16	2639
	20.46000	0.07000	12/28/16	2639
	20.46000	0.07000	12/29/16	2639
	20.46000	0.07000	12/30/16	2639
	20.46000	0.07000	1/3/17	2639
	18.09000	0.08000	1/3/17	2639

	18.09000	0.08000	1/3/17	2639
	18.09000	0.08000	1/3/17	2639
	20.46000	0.07000	1/4/17	2639
	20.46000	0.07000	1/5/17	2639
	20.46000	0.07000	1/6/17	2639
	20.46000	0.07000	1/9/17	2639
	18.09000	0.08000	1/9/17	2639
	20.31000	0.07000	1/9/17	2639
	31.13000	0.11000	1/10/17	2639
	31.13000	0.11000	1/11/17	2639
	31.13000	0.11000	1/12/17	2639
	31.13000	0.11000	1/13/17	2639
	31.13000	0.11000	1/17/17	2639
	20.31000	0.07000	1/17/17	2639
	20.31000	0.07000	1/17/17	2639
	31.13000	0.11000	1/17/17	2639
	31.13000	0.11000	1/18/17	2639
	31.13000	0.11000	1/19/17	2639
	31.13000	0.11000	1/20/17	2639
	31.13000	0.11000	1/23/17	2639
	20.31000	0.07000	1/23/17	2639
	20.31000	0.07000	1/23/17	2639
	31.13000	0.11000	1/24/17	2639
	31.13000	0.11000	1/25/17	2639
	31.13000	0.11000	1/26/17	2639
	31.13000	0.11000	1/27/17	2639

	31.13000	0.11000	1/30/17	2639
	20.31000	0.07000	1/30/17	2639
	20.31000	0.07000	1/30/17	2639
	31.13000	0.11000	1/31/17	2639
	31.13000	0.11000	2/1/17	2639
	31.13000	0.11000	2/2/17	2639
	31.13000	0.11000	2/3/17	2639
	31.13000	0.11000	2/6/17	2639
	20.31000	0.07000	2/6/17	2639
	20.31000	0.07000	2/6/17	2639
	31.13000	0.11000	2/7/17	2639
	31.13000	0.11000	2/8/17	2639
	22.94000	0.07000	2/9/17	2639
	22.94000	0.07000	2/10/17	2639
	22.94000	0.07000	2/13/17	2639
	20.18000	0.06000	2/13/17	2639
	20.18000		2/13/17	2639
	22.94000		2/14/17	2639
	22.94000		2/15/17	2639
	11.70000	0.00000	10/4/16	15976
	11.44000	0.00000	10/5/16	15976
	11.52000	-2.88000	10/6/16	15976
	15.60000	1.20000	10/7/16	15976
	15.60000	1.20000	10/10/16	15976
	16.65000	0.00000	10/10/16	15976
	16.65000	0.00000	10/10/16	15976

	15.60000	1.20000	10/11/16	15976
	15.60000	1.20000	10/12/16	15976
	15.60000	1.20000	10/13/16	15976
	15.60000	1.20000	10/14/16	15976
	15.60000	1.20000	10/17/16	15976
	12.77000	0.76000	10/17/16	15976
	12.77000	0.76000	10/17/16	15976
	15.60000	1.20000	10/18/16	15976
	15.60000	1.20000	10/19/16	15976
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	15.60000	1.20000	10/21/16	15976
	15.60000	1.20000	10/24/16	15976
	12.77000	0.76000	10/24/16	15976
	12.77000	0.76000	10/24/16	15976
	15.60000	1.20000	10/25/16	15976
	15.60000	1.20000	10/26/16	15976
	15.60000	1.20000	10/27/16	15976
	15.60000	1.20000	10/28/16	15976
	15.60000	1.20000	10/31/16	15976
	12.77000	0.76000	10/31/16	15976
	12.77000	0.76000	10/31/16	15976
	15.60000	1.20000	11/1/16	15976
	19.40000	0.15000	11/2/16	15976
	19.40000	0.15000	11/3/16	15976
	19.40000	0.15000	11/4/16	15976
	19.40000	0.15000	11/7/16	15976

	16.49000	0.13000	11/7/16	15976
	16.49000	0.13000	11/7/16	15976
	19.40000		11/8/16	15976
	19.40000		11/9/16	15976
	19.40000		11/10/16	15976
	9.27000	0.00000	10/4/16	15977
	8.25000	0.00000	10/5/16	15977
	8.92000	-1.33000	10/6/16	15977
	8.55000	-1.70000	10/7/16	15977
	8.55000	-1.70000	10/10/16	15977
	13.00000	0.00000	10/10/16	15977
	13.00000	0.00000	10/10/16	15977
	8.55000	-1.70000	10/11/16	15977
	8.55000	-1.70000	10/12/16	15977
	8.55000	-1.70000	10/13/16	15977
	8.55000	-1.70000	10/14/16	15977
	8.55000	-1.70000	10/17/16	15977
	8.99000	-0.43000	10/17/16	15977
	8.99000	-0.43000	10/17/16	15977
	8.55000	-1.70000	10/18/16	15977
	8.55000	-1.70000	10/19/16	15977
	8.55000	-1.70000	10/20/16	15977
	8.55000	-1.70000	10/21/16	15977
	8.55000	-1.70000	10/24/16	15977
	8.99000	-0.43000	10/24/16	15977
	8.99000	-0.43000	10/24/16	15977

	8.55000	-1.70000	10/25/16	15977
	8.55000	-1.70000	10/26/16	15977
	8.55000	-1.70000	10/27/16	15977
	8.55000	-1.70000	10/28/16	15977
	8.55000	-1.70000	10/31/16	15977
	8.99000	-0.43000	10/31/16	15977
	8.99000	-0.43000	10/31/16	15977
	8.55000	-1.70000	11/1/16	15977
	13.45000	-0.11000	11/2/16	15977
	13.45000	-0.11000	11/3/16	15977
	13.45000	-0.11000	11/4/16	15977
	13.45000	-0.11000	11/7/16	15977
	12.20000	0.00000	11/7/16	15977
	12.20000	0.00000	11/7/16	15977
	13.45000		11/8/16	15977
	13.45000		11/9/16	15977
	13.45000		11/10/16	15977
	22.13000	5.53000	10/4/16	1616
	20.75000	0.00000	10/5/16	1616
	20.75000	3.30000	10/6/16	1616
	17.40000	-0.05000	10/7/16	1616
	17.40000	-0.05000	10/10/16	1616
	18.35000	0.00000	10/10/16	1616
	18.35000	0.00000	10/10/16	1616
	17.40000	-0.05000	10/11/16	1616
	17.40000	-0.05000	10/12/16	1616

	17.40000	-0.05000	10/13/16	1616
	17.40000	-0.05000	10/14/16	1616
	17.40000	-0.05000	10/17/16	1616
	18.49000	0.33000	10/17/16	1616
	18.49000	0.33000	10/17/16	1616
	17.40000	-0.05000	10/18/16	1616
	17.40000	-0.05000	10/19/16	1616
	17.40000	-0.05000	10/20/16	1616
	17.40000	-0.05000	10/21/16	1616
	17.40000	-0.05000	10/24/16	1616
	18.49000	0.33000	10/24/16	1616
	18.49000	0.33000	10/24/16	1616
	17.40000	-0.05000	10/25/16	1616
	17.40000	-0.05000	10/26/16	1616
	17.40000	-0.05000	10/27/16	1616
	17.40000	-0.05000	10/28/16	1616
	17.40000	-0.05000	10/31/16	1616
	18.49000	0.33000	10/31/16	1616
	18.49000	0.33000	10/31/16	1616
	17.40000	-0.05000	11/1/16	1616
	18.05000	0.08000	11/2/16	1616
	18.05000	0.08000	11/3/16	1616
	18.05000	0.08000	11/4/16	1616
	18.05000	0.08000	11/7/16	1616
	18.40000	0.21000	11/7/16	1616
	18.40000	0.21000	11/7/16	1616

	18.05000		11/8/16	1616
	18.05000		11/9/16	1616
	18.05000		11/10/16	1616
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	38.85000	4.45000	10/6/16	412
	36.20000	1.80000	10/7/16	412
	36.20000	1.80000	10/10/16	412
	27.50000	0.00000	10/10/16	412
	27.50000	0.00000	10/10/16	412
	31.48000	0.53000	10/11/16	412
	31.48000	0.53000	10/12/16	412
	31.48000	0.53000	10/13/16	412
	31.48000	0.53000	10/14/16	412
	31.48000	0.53000	10/17/16	412
	27.85000	0.81000	10/17/16	412
	27.85000	0.81000	10/17/16	412
	31.48000	0.53000	10/18/16	412
	31.48000	0.53000	10/19/16	412
	31.48000	0.53000	10/20/16	412
	31.48000	0.53000	10/21/16	412
	31.48000	0.53000	10/24/16	412
	27.85000	0.81000	10/24/16	412
	27.85000	0.81000	10/24/16	412
	31.48000	0.53000	10/25/16	412
	31.48000	0.53000	10/26/16	412

	31.48000	0.53000	10/27/16	412
	31.48000	0.53000	10/28/16	412
	31.48000	0.53000	10/31/16	412
	27.85000	0.81000	10/31/16	412
	27.85000	0.81000	10/31/16	412
	31.48000	0.53000	11/1/16	412
	32.35000	0.55000	11/2/16	412
	32.35000	0.55000	11/3/16	412
	32.35000	0.55000	11/4/16	412
	32.35000	0.55000	11/7/16	412
	27.50000	0.47000	11/7/16	412
	27.50000	0.47000	11/7/16	412
	32.35000	0.55000	11/8/16	412
	32.35000	0.55000	11/9/16	412
	32.35000	0.55000	11/10/16	412
	32.35000	0.55000	11/11/16	412
	32.35000	0.55000	11/14/16	412
	27.50000	0.47000	11/14/16	412
	27.50000	0.47000	11/14/16	412
	32.35000	0.55000	11/15/16	412
	32.35000	0.55000	11/16/16	412
	32.35000	0.55000	11/17/16	412
	32.35000	0.55000	11/18/16	412
	32.35000	0.55000	11/21/16	412
	27.50000	0.47000	11/21/16	412
	27.50000	0.47000	11/21/16	412

	32.35000	0.55000	11/22/16	412
	32.35000	0.55000	11/23/16	412
	32.35000	0.55000	11/28/16	412
	27.50000	0.47000	11/28/16	412
	32.35000	0.55000	11/28/16	412
	27.50000	0.47000	11/28/16	412
	27.50000	0.47000	11/28/16	412
	32.35000	0.55000	11/29/16	412
	32.35000	0.55000	11/30/16	412
	32.35000	0.55000	12/1/16	412
	34.45000	0.60000	12/2/16	412
	34.45000	0.60000	12/5/16	412
	29.28000	0.51000	12/5/16	412
	29.28000	0.51000	12/5/16	412
	34.45000	0.60000	12/6/16	412
	34.45000	0.60000	12/7/16	412
	34.45000	0.60000	12/8/16	412
	34.45000	0.60000	12/9/16	412
	34.45000	0.60000	12/12/16	412
	29.28000	0.51000	12/12/16	412
	29.28000	0.51000	12/12/16	412
	34.45000	0.60000	12/13/16	412
	34.45000	0.60000	12/14/16	412
	34.45000	0.60000	12/15/16	412
	34.45000	0.60000	12/16/16	412
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	29.28000	0.51000	12/19/16	412
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	34.45000	0.60000	12/23/16	412
	34.45000	0.60000	12/27/16	412
	29.28000	0.51000	12/27/16	412
	29.28000	0.51000	12/27/16	412
	34.45000	0.60000	12/27/16	412
	34.45000	0.60000	12/28/16	412
	34.45000	0.60000	12/29/16	412
	34.45000	0.60000	12/30/16	412
	34.45000	0.60000	1/3/17	412
	29.28000	0.51000	1/3/17	412
	35.83000	0.21000	1/3/17	412
	35.83000	0.21000	1/3/17	412
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	42.15000	0.25000	1/5/17	412
	42.15000	0.25000	1/6/17	412
	42.15000	0.25000	1/9/17	412
	35.83000	0.21000	1/9/17	412
	35.83000	0.21000	1/9/17	412
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	42.15000	0.25000	1/11/17	412
	42.15000	0.25000	1/12/17	412

	42.15000	0.25000	1/13/17	412
	42.15000	0.25000	1/17/17	412
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	35.83000	0.21000	1/17/17	412
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	42.15000	0.25000	1/18/17	412
	42.15000	0.25000	1/19/17	412
	42.15000	0.25000	1/20/17	412
	42.15000	0.25000	1/23/17	412
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	35.83000	0.21000	1/23/17	412
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	42.15000	0.25000	1/25/17	412
	42.15000	0.25000	1/26/17	412
	42.15000	0.25000	1/27/17	412
	42.15000	0.25000	1/30/17	412
	35.83000	0.21000	1/30/17	412
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	42.15000	0.25000	2/1/17	412
	42.75000	0.30000	2/2/17	412
	42.75000	0.30000	2/3/17	412
	42.75000	0.30000	2/6/17	412
	36.34000	0.26000	2/6/17	412
	36.34000	0.26000	2/6/17	412
	42.75000	0.30000	2/7/17	412

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	42.75000	0.30000	2/9/17	412
	42.75000	0.30000	2/10/17	412
	42.75000	0.30000	2/13/17	412
	36.34000	0.26000	2/13/17	412
	36.34000	0.26000	2/13/17	412
	42.75000	0.30000	2/14/17	412
	42.75000	0.30000	2/15/17	412
	42.75000	0.30000	2/16/17	412
	42.75000	0.30000	2/17/17	412
	42.75000	0.30000	2/21/17	412
	36.34000	0.26000	2/21/17	412
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	42.75000	0.30000	2/23/17	412
	42.75000	0.30000	2/24/17	412
	42.75000	0.30000	2/27/17	412
	36.34000	0.26000	2/27/17	412
	36.34000	0.26000	2/27/17	412
	42.75000	0.30000	2/28/17	412
	42.75000	0.30000	3/1/17	412
	35.80000	0.45000	3/2/17	412
	35.80000	0.45000	3/3/17	412
	35.80000	0.45000	3/6/17	412
	30.43000	0.38000	3/6/17	412

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	35.80000	0.45000	3/7/17	412
	35.80000	0.45000	3/8/17	412
	35.80000	0.45000	3/9/17	412
	35.80000	0.45000	3/10/17	412
	35.80000	0.45000	3/13/17	412
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	30.43000	0.38000	3/13/17	412
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	35.80000	0.45000	3/17/17	412
	35.80000	0.45000	3/20/17	412
	30.43000	0.38000	3/20/17	412
	30.43000	0.38000	3/20/17	412
	35.80000	0.45000	3/21/17	412
	35.80000	0.45000	3/22/17	412
	35.80000	0.45000	3/23/17	412
	35.80000	0.45000	3/24/17	412
	35.80000	0.45000	3/27/17	412
	30.43000	0.38000	3/27/17	412
	30.43000	0.38000	3/27/17	412
	35.80000	0.45000	3/28/17	412
	35.80000	0.45000	3/29/17	412
	35.80000	0.45000	3/30/17	412
	35.80000	0.45000	3/31/17	412

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	27.29000	0.09000	4/3/17	412
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	32.10000	0.10000	4/5/17	412
	32.10000	0.10000	4/6/17	412
	32.10000	0.10000	4/7/17	412
	32.10000	0.10000	4/10/17	412
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	27.29000	0.09000	4/10/17	412
	32.10000	0.10000	4/11/17	412
	32.10000	0.10000	4/12/17	412
	32.10000	0.10000	4/13/17	412
	32.10000	0.10000	4/17/17	412
	32.10000	0.10000	4/17/17	412
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	27.29000	0.09000	4/17/17	412
	32.10000	0.10000	4/18/17	412
	32.10000	0.10000	4/19/17	412
	32.10000	0.10000	4/20/17	412
	32.10000	0.10000	4/21/17	412
	32.10000	0.10000	4/24/17	412
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	27.29000	0.09000	4/24/17	412
	32.10000	0.10000	4/25/17	412
	32.10000	0.10000	4/26/17	412

	32.10000	0.10000	4/27/17	412
	32.10000	0.10000	4/28/17	412
	32.10000	0.10000	5/1/17	412
	27.29000	0.09000	5/1/17	412
	27.29000	0.09000	5/1/17	412
	32.75000	0.15000	5/2/17	412
	32.75000	0.15000	5/3/17	412
	32.75000	0.15000	5/4/17	412
	32.75000	0.15000	5/5/17	412
	32.75000	0.15000	5/8/17	412
	24.56000	0.11000	5/8/17	412
	24.56000	0.11000	5/8/17	412
	32.75000	0.15000	5/9/17	412
	32.75000	0.15000	5/10/17	412
	32.75000	0.15000	5/11/17	412
	32.75000	0.15000	5/12/17	412
	32.75000	0.15000	5/15/17	412
	24.56000	0.11000	5/15/17	412
	24.56000	0.11000	5/15/17	412
	32.75000	0.15000	5/16/17	412
	32.75000	0.15000	5/17/17	412
	32.75000	0.15000	5/18/17	412
	32.75000	0.15000	5/19/17	412
	32.75000	0.15000	5/22/17	412
	24.56000	0.11000	5/22/17	412
	24.56000	0.11000	5/22/17	412

	32.75000	0.15000	5/23/17	412
	32.75000	0.15000	5/24/17	412
	32.75000	0.15000	5/25/17	412
	32.75000	0.15000	5/26/17	412
	32.75000	0.15000	5/30/17	412
	24.56000	0.11000	5/30/17	412
	24.56000	0.11000	5/30/17	412
	24.56000	0.11000	5/30/17	412
	32.75000	0.15000	5/31/17	412
	32.75000	0.15000	6/1/17	412
	33.60000	0.10000	6/2/17	412
	33.60000	0.10000	6/5/17	412
	21.84000	0.06000	6/5/17	412
	21.84000	0.06000	6/5/17	412
	33.60000	0.10000	6/6/17	412
	33.60000	0.10000	6/7/17	412
	33.60000	0.10000	6/8/17	412
	33.60000	0.10000	6/9/17	412
	33.60000	0.10000	6/12/17	412
	21.84000	0.06000	6/12/17	412
	21.84000	0.06000	6/12/17	412
	33.60000	0.10000	6/13/17	412
	33.60000	0.10000	6/14/17	412
	33.60000	0.10000	6/15/17	412
	33.60000	0.10000	6/16/17	412
	33.60000	0.10000	6/19/17	412

	21.84000	0.06000	6/19/17	412
	21.84000	0.06000	6/19/17	412
	33.60000	0.10000	6/20/17	412
	33.60000	0.10000	6/21/17	412
	33.60000	0.10000	6/22/17	412
	33.60000	0.10000	6/23/17	412
	33.60000	0.10000	6/26/17	412
	21.84000	0.06000	6/26/17	412
	21.84000	0.06000	6/26/17	412
	33.60000	0.10000	6/27/17	412
	33.60000	0.10000	6/28/17	412
	33.60000		6/29/17	412
	33.60000		6/30/17	412
	33.60000		7/3/17	412
	21.74000	0.00000	10/4/16	16111
	15.02000	0.89000	11/2/16	16111
	19.40000	0.15000	12/2/16	16111
	28.50000	-0.10000	1/4/17	16111
	43.35000	1.15000	2/2/17	16111
	41.65000	1.20000	3/2/17	16111
	27.65000	0.45000	4/4/17	16111
	23.75000	0.10000	5/2/17	16111
	23.35000	0.15000	6/2/17	16111
	24.10000	0.10000	7/5/17	16111
	25.65000	0.05000	8/2/17	16111
	24.60000	0.00000	9/5/17	16111

	23.80000	0.15000	10/3/17	16111
	23.50000	0.15000	11/2/17	16111
	25.95000	0.30000	12/4/17	16111
	32.05000	0.20000	1/3/18	16111
	49.20000	-0.70000	2/2/18	16111
	45.50000	-0.65000	3/2/18	16111
	32.10000	-0.55000	4/3/18	16111
	24.20000	-0.45000	5/2/18	16111
	23.80000	-0.60000	6/4/18	16111
	23.95000	-0.55000	7/3/18	16111
	35.30000	-0.80000	8/2/18	16111
	30.20000	-0.70000	9/5/18	16111
	24.60000	-0.45000	10/2/18	16111
	25.75000	-0.60000	11/2/18	16111
	26.90000	-0.60000	12/4/18	16111
	31.50000	-0.65000	1/3/19	16111
	48.60000	-0.85000	2/4/19	16111
	44.95000	-0.80000	3/4/19	16111
	32.80000	-0.60000	4/2/19	16111
	25.05000	-0.55000	5/2/19	16111
	20.80000	-0.50000	6/4/19	16111
	25.60000	-0.20000	7/2/19	16111
	35.90000	-0.75000	8/2/19	16111
	30.65000	-0.70000	9/4/19	16111
	24.40000	-0.55000	10/2/19	16111
	26.15000	-0.55000	11/4/19	16111

	24.60000	-0.50000	12/3/19	16111
	28.65000	-0.55000	1/3/20	16111
	47.50000	-0.90000	2/4/20	16111
	44.00000	-0.80000	3/3/20	16111
	30.65000	-0.60000	4/2/20	16111
	23.10000	-0.50000	5/4/20	16111
	22.65000	-0.50000	6/2/20	16111
	22.90000	-0.20000	7/2/20	16111
	33.75000	-0.75000	8/4/20	16111
	28.85000	-0.65000	9/2/20	16111
	23.60000	-0.55000	10/2/20	16111
	25.15000	-0.50000	11/3/20	16111
	26.20000	-0.55000	12/2/20	16111
	30.40000	-0.60000	1/5/21	16111
	47.90000	-0.85000	2/2/21	16111
	44.30000	-0.80000	3/2/21	16111
	30.85000	-0.55000	4/5/21	16111
	23.25000	-0.45000	5/4/21	16111
	22.80000	-0.50000	6/2/21	16111
	22.75000	-0.50000	7/2/21	16111
	33.90000	-0.70000	8/3/21	16111
	29.00000	-0.60000	9/2/21	16111
	23.80000	-0.50000	10/4/21	16111
	24.90000	-0.50000	11/2/21	16111
	26.05000	-0.50000	12/2/21	16111
	28.05000	-0.55000	1/4/22	16111

	14.10000	0.00000	10/4/16	16112
	10.58000	-0.50000	11/2/16	16112
	14.35000	0.00000	12/2/16	16112
	23.55000	-1.30000	1/4/17	16112
	34.75000	0.20000	2/2/17	16112
	32.35000	0.15000	3/2/17	16112
	23.55000	0.00000	4/4/17	16112
	15.55000	0.00000	5/2/17	16112
	16.30000	0.25000	6/2/17	16112
	15.55000	0.00000	7/5/17	16112
	20.25000	0.00000	8/2/17	16112
	18.25000	0.00000	9/5/17	16112
	17.80000	0.00000	10/3/17	16112
	16.15000	0.00000	11/2/17	16112
	20.10000	0.00000	12/4/17	16112
	26.40000	0.00000	1/3/18	16112
	33.65000	-0.20000	2/2/18	16112
	31.05000	-0.20000	3/2/18	16112
	25.80000	-0.25000	4/3/18	16112
	16.35000	-0.15000	5/2/18	16112
	16.55000	-0.15000	6/4/18	16112
	17.15000	-0.20000	7/3/18	16112
	19.75000	-0.20000	8/2/18	16112
	19.75000	-0.20000	9/5/18	16112
	17.15000	-0.15000	10/2/18	16112
	16.30000	-0.20000	11/2/18	16112

	18.70000	-0.20000	12/4/18	16112
	23.25000	-0.20000	1/3/19	16112
	34.70000	-0.30000	2/4/19	16112
	32.90000	-0.30000	3/4/19	16112
	24.25000	-0.20000	4/2/19	16112
	16.55000	-0.15000	5/2/19	16112
	16.85000	-0.15000	6/4/19	16112
	16.95000	-0.15000	7/2/19	16112
	21.20000	-0.20000	8/2/19	16112
	21.70000	-0.20000	9/4/19	16112
	18.80000	-0.15000	10/2/19	16112
	16.55000	-0.15000	11/4/19	16112
	19.35000	-0.15000	12/3/19	16112
	21.80000	-0.20000	1/3/20	16112
	32.05000	-0.25000	2/4/20	16112
	29.55000	-0.25000	3/3/20	16112
	23.90000	-0.20000	4/2/20	16112
	15.40000	-0.15000	5/4/20	16112
	15.35000	-0.15000	6/2/20	16112
	16.25000	-0.15000	7/2/20	16112
	18.70000	-0.20000	8/4/20	16112
	16.95000	-0.20000	9/2/20	16112
	15.35000	-0.15000	10/2/20	16112
	17.00000	-0.15000	11/3/20	16112
	18.60000	-0.15000	12/2/20	16112
	21.65000	-0.20000	1/5/21	16112

	32.10000	-0.25000	2/2/21	16112
	29.50000	-0.25000	3/2/21	16112
	22.80000	-0.20000	4/5/21	16112
	15.15000	-0.15000	5/4/21	16112
	15.15000	-0.15000	6/2/21	16112
	16.05000	-0.15000	7/2/21	16112
	18.25000	-0.20000	8/3/21	16112
	18.20000	-0.20000	9/2/21	16112
	16.90000	-0.15000	10/4/21	16112
	15.10000	-0.15000	11/2/21	16112
	16.70000	-0.15000	12/2/21	16112
	21.10000	-0.20000	1/4/22	16112
	22.93000	0.00000	10/7/16	1863
	20.21000	0.23000	11/7/16	1863
	19.97000	0.28000	12/7/16	1863
	21.28000	0.09000	1/9/17	1863
	23.89000	0.08000	2/7/17	1863
	23.74000	0.07000	3/7/17	1863
	22.87000	0.06000	4/7/17	1863
	21.97000	0.02000	5/5/17	1863
	21.20000	0.01000	6/7/17	1863
	22.07000	0.01000	7/10/17	1863
	25.03000	0.00000	8/7/17	1863
	25.96000	-0.01000	9/8/17	1863
	22.92000	-0.02000	10/6/17	1863
	20.91000	-0.02000	11/7/17	1863

	20.43000	-0.03000	12/7/17	1863
	21.48000	-0.03000	1/8/18	1863
	24.48000	-0.07000	2/7/18	1863
	24.08000	-0.07000	3/7/18	1863
	23.37000	-0.07000	4/6/18	1863
	20.79000	-0.07000	5/7/18	1863
	20.14000	-0.08000	6/7/18	1863
	21.16000	-0.07000	7/9/18	1863
	23.83000	-0.08000	8/7/18	1863
	24.66000	-0.12000	9/10/18	1863
	21.71000	-0.11000	10/5/18	1863
	19.74000	-0.11000	11/7/18	1863
	19.70000	-0.11000	12/7/18	1863
	20.98000	-0.11000	1/8/19	1863
	23.50000	-0.12000	2/7/19	1863
	23.11000	-0.14000	3/7/19	1863
	22.46000	-0.14000	4/5/19	1863
	20.12000	-0.09000	5/7/19	1863
	19.68000	-0.09000	6/7/19	1863
	20.73000	-0.09000	7/8/19	1863
	23.52000	-0.10000	8/7/19	1863
	24.42000	-0.11000	9/9/19	1863
	21.43000	-0.09000	10/7/19	1863
	19.45000	-0.09000	11/7/19	1863
	19.41000	-0.08000	12/6/19	1863
	20.62000	-0.08000	1/8/20	1863

	23.88000	-0.11000	2/7/20	1863
	23.51000	-0.11000	3/6/20	1863
	22.87000	-0.11000	4/7/20	1863
	20.74000	-0.15000	5/7/20	1863
	20.31000	-0.15000	6/5/20	1863
	21.38000	-0.15000	7/7/20	1863
	24.26000	-0.17000	8/7/20	1863
	25.33000	-0.17000	9/8/20	1863
	22.40000	-0.15000	10/7/20	1863
	20.37000	-0.14000	11/6/20	1863
	20.42000	-0.14000	12/7/20	1863
	21.70000	-0.14000	1/8/21	1863
	24.61000	-0.15000	2/5/21	1863
	24.23000	-0.15000	3/5/21	1863
	23.59000	-0.15000	4/8/21	1863
	21.46000	-0.15000	5/7/21	1863
	21.03000	-0.15000	6/7/21	1863
	22.13000	-0.15000	7/8/21	1863
	25.10000	-0.17000	8/6/21	1863
	26.25000	-0.18000	9/8/21	1863
	23.21000	-0.15000	10/7/21	1863
	21.15000	-0.14000	11/5/21	1863
	21.21000	-0.14000	12/7/21	1863
	22.61000	-0.14000	1/7/22	1863
	25.34000	-0.16000	2/7/22	1863
	24.96000	-0.16000	3/7/22	1863

	24.31000	-0.16000	4/7/22	1863
	22.31000	-0.20000	5/6/22	1863
	21.85000	-0.20000	6/7/22	1863
	23.00000	-0.20000	7/8/22	1863
	26.07000	-0.23000	8/5/22	1863
	27.27000	-0.24000	9/8/22	1863
	24.10000	-0.21000	10/7/22	1863
	21.96000	-0.19000	11/7/22	1863
	22.00000	-0.18000	12/7/22	1863
	23.37000	-0.18000	1/9/23	1863
	18.49000	0.00000	10/4/16	1869
	19.11000	0.00000	10/5/16	1869
	18.01000	0.00000	10/6/16	1869
	18.14000	0.00000	10/7/16	1869
	17.80000	0.00000	10/10/16	1869
	16.88000	0.00000	10/10/16	1869
	14.00000	0.00000	10/10/16	1869
	11.61000	-3.89000	10/11/16	1869
	9.72000	0.00000	10/12/16	1869
	18.00000	-2.71000	10/13/16	1869
	21.02000	0.31000	10/14/16	1869
	21.02000	0.31000	10/17/16	1869
	16.18000	0.23000	10/17/16	1869
	16.18000	0.23000	10/17/16	1869
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	21.02000	0.31000	10/19/16	1869

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	21.02000	0.31000	10/21/16	1869
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	21.02000	0.31000	11/2/16	1869
	21.02000	0.31000	11/3/16	1869
	21.02000	0.31000	11/4/16	1869
	21.02000	0.31000	11/7/16	1869
	16.18000	0.23000	11/7/16	1869
	16.18000	0.23000	11/7/16	1869
	21.02000	0.31000	11/8/16	1869
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	18.52000	0.21000	11/11/16	1869
	18.52000	0.21000	11/14/16	1869
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	16.97000	0.23000	11/14/16	1869

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	18.52000	0.21000	11/23/16	1869
	18.52000	0.21000	11/28/16	1869
	18.52000	0.21000	11/28/16	1869
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	16.97000	0.23000	11/28/16	1869
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	18.52000	0.21000	12/1/16	1869
	16.97000	0.23000	12/2/16	1869
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	18.52000	0.21000	12/7/16	1869
	18.52000	0.21000	12/8/16	1869
	20.46000	0.07000	12/9/16	1869
	20.46000	0.07000	12/12/16	1869

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	18.09000	0.08000	12/12/16	1869
	20.46000	0.07000	12/13/16	1869
	20.46000	0.07000	12/14/16	1869
	20.46000	0.07000	12/15/16	1869
	20.46000	0.07000	12/16/16	1869
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	18.09000	0.08000	1/3/17	1869
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	31.13000	0.11000	2/6/17	1869
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	20.31000	0.07000	2/6/17	1869
	31.13000	0.11000	2/7/17	1869
	31.13000	0.11000	2/8/17	1869
	22.94000	0.07000	2/9/17	1869
	22.94000	0.07000	2/10/17	1869
	22.94000	0.07000	2/13/17	1869
	20.18000	0.06000	2/13/17	1869
	20.18000		2/13/17	1869
	22.94000		2/14/17	1869
	22.94000		2/15/17	1869
	37.44000	0.00000	10/5/16	3967
	26.31000	0.00000	11/3/16	3967
	34.80000	0.30000	12/5/16	3967
	52.35000	0.85000	1/5/17	3967
	75.40000	0.95000	2/3/17	3967
	74.55000	1.00000	3/3/17	3967
	48.90000	0.45000	4/5/17	3967
	33.70000	-0.05000	5/3/17	3967
	30.50000	0.00000	6/5/17	3967
	32.55000	0.10000	7/6/17	3967
	42.00000	0.10000	8/3/17	3967

	38.55000	0.10000	9/6/17	3967
	30.05000	0.05000	10/4/17	3967
	30.30000	-0.25000	11/3/17	3967
	35.05000	-0.25000	12/5/17	3967
	51.75000	0.20000	1/4/18	3967
	75.45000	2.35000	2/5/18	3967
	73.05000	2.25000	3/5/18	3967
	45.15000	-0.80000	4/4/18	3967
	36.45000	-0.65000	5/3/18	3967
	29.30000	-0.60000	6/5/18	3967
	33.00000	-0.65000	7/5/18	3967
	40.35000	-0.80000	8/3/18	3967
	38.05000	-0.75000	9/6/18	3967
	28.70000	-0.45000	10/3/18	3967
	31.85000	-0.65000	11/5/18	3967
	39.30000	-0.80000	12/5/18	3967
	51.20000	-1.05000	1/4/19	3967
	75.05000	1.45000	2/5/19	3967
	69.65000	1.35000	3/5/19	3967
	47.65000	0.90000	4/3/19	3967
	40.50000	0.75000	5/3/19	3967
	29.05000	0.55000	6/5/19	3967
	35.05000	1.00000	7/3/19	3967
	42.65000	0.80000	8/5/19	3967
	36.90000	0.70000	9/5/19	3967
	29.65000	0.55000	10/3/19	3967

	32.35000	0.60000	11/5/19	3967
	41.05000	0.80000	12/4/19	3967
	52.40000	1.00000	1/6/20	3967
	74.60000	1.05000	2/5/20	3967
	72.20000	1.05000	3/4/20	3967
	46.50000	0.65000	4/3/20	3967
	37.35000	0.50000	5/5/20	3967
	30.00000	0.40000	6/3/20	3967
	33.95000	0.80000	7/6/20	3967
	41.35000	0.55000	8/5/20	3967
	39.10000	0.55000	9/3/20	3967
	29.60000	0.40000	10/5/20	3967
	33.15000	0.45000	11/4/20	3967
	40.95000	0.60000	12/3/20	3967
	52.35000	0.75000	1/6/21	3967
	78.35000	1.15000	2/3/21	3967
	75.70000	1.15000	3/3/21	3967
	46.35000	0.70000	4/6/21	3967
	37.00000	0.55000	5/5/21	3967
	30.15000	0.45000	6/3/21	3967
	34.15000	0.50000	7/6/21	3967
	40.35000	0.55000	8/4/21	3967
	38.35000	0.55000	9/3/21	3967
	30.10000	0.45000	10/5/21	3967
	32.45000	0.45000	11/3/21	3967
	40.55000	0.60000	12/3/21	3967

	55.45000	0.85000	1/5/22	3967
	79.40000	1.15000	2/3/22	3967
	76.90000	1.15000	3/3/22	3967
	46.90000	0.70000	4/5/22	3967
	37.50000	0.55000	5/4/22	3967
	30.45000	0.45000	6/3/22	3967
	34.60000	0.50000	7/6/22	3967
	40.85000	0.60000	8/3/22	3967
	38.90000	0.55000	9/6/22	3967
	30.35000	0.45000	10/5/22	3967
	32.75000	0.45000	11/3/22	3967
	41.25000	0.60000	12/5/22	3967
	56.05000	0.85000	1/5/23	3967
	37.44000	0.00000	10/5/16	317
	26.31000	0.00000	11/3/16	317
	34.80000	0.30000	12/5/16	317
	52.35000	0.85000	1/5/17	317
	75.40000	0.95000	2/3/17	317
	74.55000	1.00000	3/3/17	317
	48.90000	0.45000	4/5/17	317
	33.70000	-0.05000	5/3/17	317
	30.50000	0.00000	6/5/17	317
	32.55000	0.10000	7/6/17	317
	42.00000	0.10000	8/3/17	317
	38.55000	0.10000	9/6/17	317
	30.05000	0.05000	10/4/17	317

	30.30000	-0.25000	11/3/17	317
	35.05000	-0.25000	12/5/17	317
	51.75000	0.20000	1/4/18	317
	75.45000	2.35000	2/5/18	317
	73.05000	2.25000	3/5/18	317
	45.15000	-0.80000	4/4/18	317
	36.45000	-0.65000	5/3/18	317
	29.30000	-0.60000	6/5/18	317
	33.00000	-0.65000	7/5/18	317
	40.35000	-0.80000	8/3/18	317
	38.05000	-0.75000	9/6/18	317
	28.70000	-0.45000	10/3/18	317
	31.85000	-0.65000	11/5/18	317
	39.30000	-0.80000	12/5/18	317
	51.20000	-1.05000	1/4/19	317
	75.05000	1.45000	2/5/19	317
	69.65000	1.35000	3/5/19	317
	47.65000	0.90000	4/3/19	317
	40.50000	0.75000	5/3/19	317
	29.05000	0.55000	6/5/19	317
	35.05000	1.00000	7/3/19	317
	42.65000	0.80000	8/5/19	317
	36.90000	0.70000	9/5/19	317
	29.65000	0.55000	10/3/19	317
	32.35000	0.60000	11/5/19	317
	41.05000	0.80000	12/4/19	317

	52.40000	1.00000	1/6/20	317
	74.60000	1.05000	2/5/20	317
	72.20000	1.05000	3/4/20	317
	46.50000	0.65000	4/3/20	317
	37.35000	0.50000	5/5/20	317
	30.00000	0.40000	6/3/20	317
	33.95000	0.80000	7/6/20	317
	41.35000	0.55000	8/5/20	317
	39.10000	0.55000	9/3/20	317
	29.60000	0.40000	10/5/20	317
	33.15000	0.45000	11/4/20	317
	40.95000	0.60000	12/3/20	317
	52.35000	0.75000	1/6/21	317
	78.35000	1.15000	2/3/21	317
	75.70000	1.15000	3/3/21	317
	46.35000	0.70000	4/6/21	317
	37.00000	0.55000	5/5/21	317
	30.15000	0.45000	6/3/21	317
	34.15000	0.50000	7/6/21	317
	40.35000	0.55000	8/4/21	317
	38.35000	0.55000	9/3/21	317
	30.10000	0.45000	10/5/21	317
	32.45000	0.45000	11/3/21	317
	40.55000	0.60000	12/3/21	317
	55.45000	0.85000	1/5/22	317
	79.40000	1.15000	2/3/22	317

	76.90000	1.15000	3/3/22	317
	46.90000	0.70000	4/5/22	317
	37.50000	0.55000	5/4/22	317
	30.45000	0.45000	6/3/22	317
	34.60000	0.50000	7/6/22	317
	40.85000	0.60000	8/3/22	317
	38.90000	0.55000	9/6/22	317
	30.35000	0.45000	10/5/22	317
	32.75000	0.45000	11/3/22	317
	41.25000	0.60000	12/5/22	317
	56.05000	0.85000	1/5/23	317
	21.84000	0.00000	10/7/16	2619
	20.59000	0.30000	11/7/16	2619
	19.97000	0.28000	12/7/16	2619
	21.28000	0.09000	1/9/17	2619
	23.89000	0.08000	2/7/17	2619
	23.74000	0.07000	3/7/17	2619
	22.87000	0.06000	4/7/17	2619
	21.97000	0.02000	5/5/17	2619
	21.20000	0.01000	6/7/17	2619
	22.07000	0.01000	7/10/17	2619
	25.03000	0.00000	8/7/17	2619
	25.96000	-0.01000	9/8/17	2619
	22.92000	-0.02000	10/6/17	2619
	20.91000	-0.02000	11/7/17	2619
	20.43000	-0.03000	12/7/17	2619

	21.48000	-0.03000	1/8/18	2619
	24.48000	-0.07000	2/7/18	2619
	24.08000	-0.07000	3/7/18	2619
	23.37000	-0.07000	4/6/18	2619
	20.79000	-0.07000	5/7/18	2619
	20.14000	-0.08000	6/7/18	2619
	21.16000	-0.07000	7/9/18	2619
	23.83000	-0.08000	8/7/18	2619
	24.66000	-0.12000	9/10/18	2619
	21.71000	-0.11000	10/5/18	2619
	19.74000	-0.11000	11/7/18	2619
	19.70000	-0.11000	12/7/18	2619
	20.98000	-0.11000	1/8/19	2619
	23.50000	-0.12000	2/7/19	2619
	23.11000	-0.14000	3/7/19	2619
	22.46000	-0.14000	4/5/19	2619
	20.12000	-0.09000	5/7/19	2619
	19.68000	-0.09000	6/7/19	2619
	20.73000	-0.09000	7/8/19	2619
	23.52000	-0.10000	8/7/19	2619
	24.42000	-0.11000	9/9/19	2619
	21.43000	-0.09000	10/7/19	2619
	19.45000	-0.09000	11/7/19	2619
	19.41000	-0.08000	12/6/19	2619
	20.62000	-0.08000	1/8/20	2619
	23.88000	-0.11000	2/7/20	2619

	23.51000	-0.11000	3/6/20	2619
	22.87000	-0.11000	4/7/20	2619
	20.74000	-0.15000	5/7/20	2619
	20.31000	-0.15000	6/5/20	2619
	21.38000	-0.15000	7/7/20	2619
	24.26000	-0.17000	8/7/20	2619
	25.33000	-0.17000	9/8/20	2619
	22.40000	-0.15000	10/7/20	2619
	20.37000	-0.14000	11/6/20	2619
	20.42000	-0.14000	12/7/20	2619
	21.70000	-0.14000	1/8/21	2619
	24.61000	-0.15000	2/5/21	2619
	24.23000	-0.15000	3/5/21	2619
	23.59000	-0.15000	4/8/21	2619
	21.46000	-0.15000	5/7/21	2619
	21.03000	-0.15000	6/7/21	2619
	22.13000	-0.15000	7/8/21	2619
	25.10000	-0.17000	8/6/21	2619
	26.25000	-0.18000	9/8/21	2619
	23.21000	-0.15000	10/7/21	2619
	21.15000	-0.14000	11/5/21	2619
	21.21000	-0.14000	12/7/21	2619
	22.61000	-0.14000	1/7/22	2619
	25.34000	-0.16000	2/7/22	2619
	24.96000	-0.16000	3/7/22	2619
	24.31000	-0.16000	4/7/22	2619

	22.31000	-0.20000	5/6/22	2619
	21.85000	-0.20000	6/7/22	2619
	23.00000	-0.20000	7/8/22	2619
	26.07000	-0.23000	8/5/22	2619
	27.27000	-0.24000	9/8/22	2619
	24.10000	-0.21000	10/7/22	2619
	21.96000	-0.19000	11/7/22	2619
	22.00000	-0.18000	12/7/22	2619
	23.37000	-0.18000	1/9/23	2619
	37.44000	0.00000	10/5/16	4067
	26.31000	0.00000	11/3/16	4067
	34.80000	0.30000	12/5/16	4067
	52.35000	0.85000	1/5/17	4067
	43.41000	0.20000	2/3/17	4067
	43.41000	0.20000	3/3/17	4067
	43.41000	0.20000	4/5/17	4067
	43.41000	0.20000	5/3/17	4067
	43.41000	0.20000	6/5/17	4067
	43.41000	0.20000	7/6/17	4067
	43.41000	0.20000	8/3/17	4067
	43.41000	0.20000	9/6/17	4067
	43.41000	0.20000	10/4/17	4067
	43.41000	0.20000	11/3/17	4067
	43.41000	0.20000	12/5/17	4067
	43.41000	0.20000	1/4/18	4067
	43.40000	-0.22000	2/5/18	4067

	43.40000	-0.22000	3/5/18	4067
	43.40000	-0.22000	4/4/18	4067
	43.40000	-0.22000	5/3/18	4067
	43.40000	-0.22000	6/5/18	4067
	43.40000	-0.22000	7/5/18	4067
	43.40000	-0.22000	8/3/18	4067
	43.40000	-0.22000	9/6/18	4067
	43.40000	-0.22000	10/3/18	4067
	43.40000	-0.22000	11/5/18	4067
	43.40000	-0.22000	12/5/18	4067
	43.40000	-0.22000	1/4/19	4067
	11.15000	0.00000	10/4/16	5291
	11.01000	0.00000	10/5/16	5291
	13.70000	-5.35000	10/6/16	5291
	18.43000	-0.62000	10/7/16	5291
	18.43000	-0.62000	10/10/16	5291
	13.00000	0.00000	10/10/16	5291
	13.00000	0.00000	10/10/16	5291
	18.43000	-0.62000	10/11/16	5291
	18.43000	-0.62000	10/12/16	5291
	18.43000	-0.62000	10/13/16	5291
	18.43000	-0.62000	10/14/16	5291
	18.43000	-0.62000	10/17/16	5291
	14.71000	-0.43000	10/17/16	5291
	14.71000	-0.43000	10/17/16	5291
	18.43000	-0.62000	10/18/16	5291

	18.43000	-0.62000	10/19/16	5291
	18.43000	-0.62000	10/20/16	5291
	18.43000	-0.62000	10/21/16	5291
	18.43000	-0.62000	10/24/16	5291
	14.71000	-0.43000	10/24/16	5291
	14.71000	-0.43000	10/24/16	5291
	18.43000	-0.62000	10/25/16	5291
	18.43000	-0.62000	10/26/16	5291
	18.43000	-0.62000	10/27/16	5291
	18.43000	-0.62000	10/28/16	5291
	18.43000	-0.62000	10/31/16	5291
	14.71000	-0.43000	10/31/16	5291
	14.71000	-0.43000	10/31/16	5291
	18.43000	-0.62000	11/1/16	5291
	19.81000	0.32000	11/2/16	5291
	19.81000	0.32000	11/3/16	5291
	19.81000	0.32000	11/4/16	5291
	19.81000	0.32000	11/7/16	5291
	19.04000	0.00000	11/7/16	5291
	19.04000	0.00000	11/7/16	5291
	19.81000		11/8/16	5291
	19.81000		11/9/16	5291
	19.81000		11/10/16	5291
	21.93000	0.00000	10/4/16	5290
	20.11000	0.00000	10/5/16	5290
	21.30000	-3.80000	10/6/16	5290

	24.50000	-0.60000	10/7/16	5290
	24.50000	-0.60000	10/10/16	5290
	19.40000	0.00000	10/10/16	5290
	19.40000	0.00000	10/10/16	5290
	24.50000	-0.60000	10/11/16	5290
	24.50000	-0.60000	10/12/16	5290
	24.50000	-0.60000	10/13/16	5290
	24.50000	-0.60000	10/14/16	5290
	24.50000	-0.60000	10/17/16	5290
	20.42000	-0.58000	10/17/16	5290
	20.42000	-0.58000	10/17/16	5290
	24.50000	-0.60000	10/18/16	5290
	24.50000	-0.60000	10/19/16	5290
	24.50000	-0.60000	10/20/16	5290
	24.50000	-0.60000	10/21/16	5290
	24.50000	-0.60000	10/24/16	5290
	20.42000	-0.58000	10/24/16	5290
	20.42000	-0.58000	10/24/16	5290
	24.50000	-0.60000	10/25/16	5290
	24.50000	-0.60000	10/26/16	5290
	24.50000	-0.60000	10/27/16	5290
	24.50000	-0.60000	10/28/16	5290
	24.50000	-0.60000	10/31/16	5290
	20.42000	-0.58000	10/31/16	5290
	20.42000	-0.58000	10/31/16	5290
	24.50000	-0.60000	11/1/16	5290

	31.90000	-0.45000	11/2/16	5290
	31.90000	-0.45000	11/3/16	5290
	31.90000	-0.45000	11/4/16	5290
	31.90000	-0.45000	11/7/16	5290
	27.12000	-0.38000	11/7/16	5290
	27.12000	-0.38000	11/7/16	5290
	31.90000		11/8/16	5290
	31.90000		11/9/16	5290
	31.90000		11/10/16	5290
	20.53000	0.00000	10/4/16	1628
	17.30000	-0.52000	11/2/16	1628
	22.45000	0.00000	12/2/16	1628
	34.65000	-1.30000	1/4/17	1628
	56.50000	0.20000	2/2/17	1628
	53.30000	0.15000	3/2/17	1628
	37.40000	0.00000	4/4/17	1628
	22.45000	0.00000	5/2/17	1628
	20.30000	0.25000	6/2/17	1628
	20.25000	0.00000	7/5/17	1628
	25.45000	0.00000	8/2/17	1628
	23.80000	0.00000	9/5/17	1628
	20.75000	0.00000	10/3/17	1628
	20.80000	0.00000	11/2/17	1628
	25.90000	0.00000	12/4/17	1628
	35.90000	0.00000	1/3/18	1628
	57.30000	-0.20000	2/2/18	1628

	52.70000	-0.20000	3/2/18	1628
	36.30000	-0.25000	4/3/18	1628
	21.85000	-0.15000	5/2/18	1628
	18.90000	-0.15000	6/4/18	1628
	20.45000	-0.20000	7/3/18	1628
	26.20000	-0.20000	8/2/18	1628
	24.90000	-0.20000	9/5/18	1628
	20.30000	-0.15000	10/2/18	1628
	22.00000	-0.20000	11/2/18	1628
	26.20000	-0.20000	12/4/18	1628
	34.40000	-0.20000	1/3/19	1628
	57.55000	-0.30000	2/4/19	1628
	52.90000	-0.30000	3/4/19	1628
	35.45000	-0.20000	4/2/19	1628
	21.95000	-0.15000	5/2/19	1628
	19.15000	-0.15000	6/4/19	1628
	20.75000	-0.15000	7/2/19	1628
	27.75000	-0.20000	8/2/19	1628
	27.15000	-0.20000	9/4/19	1628
	22.85000	-0.15000	10/2/19	1628
	22.10000	-0.15000	11/4/19	1628
	27.05000	-0.15000	12/3/19	1628
	33.95000	-0.20000	1/3/20	1628
	55.65000	-0.25000	2/4/20	1628
	51.50000	-0.25000	3/3/20	1628
	35.85000	-0.20000	4/2/20	1628

	21.15000	-0.15000	5/4/20	1628
	20.25000	-0.15000	6/2/20	1628
	22.00000	-0.15000	7/2/20	1628
	27.70000	-0.20000	8/4/20	1628
	26.00000	-0.20000	9/2/20	1628
	22.00000	-0.15000	10/2/20	1628
	23.25000	-0.15000	11/3/20	1628
	26.55000	-0.15000	12/2/20	1628
	34.90000	-0.20000	1/5/21	1628
	58.80000	-0.25000	2/2/21	1628
	53.85000	-0.25000	3/2/21	1628
	36.30000	-0.20000	4/5/21	1628
	22.35000	-0.15000	5/4/21	1628
	19.10000	-0.15000	6/2/21	1628
	21.10000	-0.15000	7/2/21	1628
	26.60000	-0.20000	8/3/21	1628
	25.45000	-0.20000	9/2/21	1628
	21.80000	-0.15000	10/4/21	1628
	22.55000	-0.15000	11/2/21	1628
	26.00000	-0.15000	12/2/21	1628
	34.85000	-0.20000	1/4/22	1628
	32.41000	0.00000	10/4/16	290
	24.55000	-0.70000	11/2/16	290
	31.25000	-0.45000	12/2/16	290
	49.55000	-0.15000	1/4/17	290
	77.45000	0.80000	2/2/17	290

	73.80000	0.85000	3/2/17	290
	47.10000	0.05000	4/4/17	290
	34.85000	-0.15000	5/2/17	290
	33.70000	-0.10000	6/2/17	290
	35.70000	-0.15000	7/5/17	290
	43.50000	-0.15000	8/2/17	290
	40.90000	-0.15000	9/5/17	290
	32.80000	-0.10000	10/3/17	290
	31.75000	-0.10000	11/2/17	290
	36.60000	0.00000	12/4/17	290
	48.60000	-0.20000	1/3/18	290
	75.45000	-0.60000	2/2/18	290
	70.95000	-0.55000	3/2/18	290
	45.70000	-0.55000	4/3/18	290
	31.90000	-0.45000	5/2/18	290
	32.60000	-0.60000	6/4/18	290
	33.15000	-0.55000	7/3/18	290
	43.90000	-0.80000	8/2/18	290
	40.95000	-0.70000	9/5/18	290
	31.45000	-0.45000	10/2/18	290
	31.40000	-0.60000	11/2/18	290
	36.95000	-0.60000	12/4/18	290
	46.45000	-0.65000	1/3/19	290
	74.50000	-0.85000	2/4/19	290
	68.90000	-0.80000	3/4/19	290
	47.10000	-0.60000	4/2/19	290

	33.35000	-0.55000	5/2/19	290
	30.25000	-0.50000	6/4/19	290
	34.55000	-0.20000	7/2/19	290
	46.05000	-0.75000	8/2/19	290
	42.50000	-0.70000	9/4/19	290
	33.25000	-0.55000	10/2/19	290
	35.80000	-0.55000	11/4/19	290
	37.80000	-0.50000	12/3/19	290
	45.85000	-0.55000	1/3/20	290
	77.30000	-0.90000	2/4/20	290
	71.30000	-0.80000	3/3/20	290
	47.95000	-0.60000	4/2/20	290
	33.05000	-0.50000	5/4/20	290
	33.80000	-0.50000	6/2/20	290
	34.40000	-0.20000	7/2/20	290
	45.65000	-0.75000	8/4/20	290
	41.95000	-0.65000	9/2/20	290
	33.10000	-0.55000	10/2/20	290
	33.40000	-0.50000	11/3/20	290
	39.85000	-0.55000	12/2/20	290
	48.35000	-0.60000	1/5/21	290
	79.70000	-0.85000	2/2/21	290
	73.55000	-0.80000	3/2/21	290
	48.95000	-0.55000	4/5/21	290
	34.00000	-0.45000	5/4/21	290
	35.05000	-0.50000	6/2/21	290

	34.00000	-0.50000	7/2/21	290
	44.05000	-0.70000	8/3/21	290
	43.75000	-0.60000	9/2/21	290
	34.30000	-0.50000	10/4/21	290
	34.90000	-0.50000	11/2/21	290
	41.45000	-0.50000	12/2/21	290
	50.40000	-0.55000	1/4/22	290
	35.08000	0.00000	10/4/16	2151
	36.45000	-0.25000	10/5/16	2151
	38.60000	4.45000	10/6/16	2151
	35.95000	1.80000	10/7/16	2151
	35.95000	1.80000	10/10/16	2151
	27.25000	0.00000	10/10/16	2151
	27.25000	0.00000	10/10/16	2151
	31.67000	0.49000	10/11/16	2151
	31.67000	0.49000	10/12/16	2151
	31.67000	0.49000	10/13/16	2151
	31.67000	0.49000	10/14/16	2151
	31.67000	0.49000	10/17/16	2151
	27.88000	0.64000	10/17/16	2151
	27.88000	0.64000	10/17/16	2151
	31.67000	0.49000	10/18/16	2151
	31.67000	0.49000	10/19/16	2151
	31.67000	0.49000	10/20/16	2151
	31.67000	0.49000	10/21/16	2151
	31.67000	0.49000	10/24/16	2151

	27.88000	0.64000	10/24/16	2151
	27.88000	0.64000	10/24/16	2151
	31.67000	0.49000	10/25/16	2151
	31.67000	0.49000	10/26/16	2151
	31.67000	0.49000	10/27/16	2151
	31.67000	0.49000	10/28/16	2151
	31.67000	0.49000	10/31/16	2151
	27.88000	0.64000	10/31/16	2151
	27.88000	0.64000	10/31/16	2151
	31.67000	0.49000	11/1/16	2151
	32.25000	0.55000	11/2/16	2151
	32.25000	0.55000	11/3/16	2151
	32.25000	0.55000	11/4/16	2151
	32.25000	0.55000	11/7/16	2151
	27.41000	0.46000	11/7/16	2151
	27.41000	0.46000	11/7/16	2151
	32.25000		11/8/16	2151
	32.25000		11/9/16	2151
	32.25000		11/10/16	2151
	37.17000	0.00000	10/4/16	2152
	32.80000	0.75000	11/2/16	2152
	32.25000	0.55000	12/2/16	2152
	34.20000	0.60000	1/4/17	2152
	42.25000	0.25000	2/2/17	2152
	42.85000	0.30000	3/2/17	2152
	35.85000	0.45000	4/4/17	2152

	32.15000	0.10000	5/2/17	2152
	32.80000	0.15000	6/2/17	2152
	33.65000	0.10000	7/5/17	2152
	39.40000	0.05000	8/2/17	2152
	38.60000	0.05000	9/5/17	2152
	31.70000	0.15000	10/3/17	2152
	30.10000	0.15000	11/2/17	2152
	30.45000	0.30000	12/4/17	2152
	33.60000	0.20000	1/3/18	2152
	44.50000	0.30000	2/2/18	2152
	40.55000	0.30000	3/2/18	2152
	33.70000	0.10000	4/3/18	2152
	30.00000	0.10000	5/2/18	2152
	31.40000	0.00000	6/4/18	2152
	32.30000	0.00000	7/3/18	2152
	40.95000	0.00000	8/2/18	2152
	35.75000	0.00000	9/5/18	2152
	29.50000	0.15000	10/2/18	2152
	28.65000	0.00000	11/2/18	2152
	28.70000	0.00000	12/4/18	2152
	31.25000	0.00000	1/3/19	2152
	44.20000	-0.15000	2/4/19	2152
	40.75000	-0.10000	3/4/19	2152
	32.95000	-0.10000	4/2/19	2152
	29.50000	-0.05000	5/2/19	2152
	29.05000	-0.05000	6/4/19	2152

	30.80000	0.30000	7/2/19	2152
	39.70000	-0.10000	8/2/19	2152
	34.65000	-0.10000	9/4/19	2152
	29.10000	-0.05000	10/2/19	2152
	27.30000	-0.05000	11/4/19	2152
	27.80000	-0.05000	12/3/19	2152
	29.70000	-0.10000	1/3/20	2152
	43.40000	-0.15000	2/4/20	2152
	39.15000	-0.10000	3/3/20	2152
	32.95000	-0.10000	4/2/20	2152
	28.60000	-0.05000	5/4/20	2152
	29.00000	-0.10000	6/2/20	2152
	29.50000	0.30000	7/2/20	2152
	38.50000	-0.10000	8/4/20	2152
	34.50000	-0.10000	9/2/20	2152
	27.80000	-0.05000	10/2/20	2152
	27.00000	-0.05000	11/3/20	2152
	27.25000	-0.05000	12/2/20	2152
	30.00000	-0.10000	1/5/21	2152
	42.20000	-0.10000	2/2/21	2152
	38.45000	-0.10000	3/2/21	2152
	32.00000	-0.05000	4/5/21	2152
	28.45000	-0.05000	5/4/21	2152
	29.80000	-0.05000	6/2/21	2152
	30.40000	-0.05000	7/2/21	2152
	37.50000	-0.05000	8/3/21	2152

	32.80000	-0.05000	9/2/21	2152
	28.10000	-0.05000	10/4/21	2152
	27.40000	-0.05000	11/2/21	2152
	27.40000	-0.05000	12/2/21	2152
	31.30000	-0.05000	1/4/22	2152
	42.05000	-0.10000	2/2/22	2152
	38.30000	-0.10000	3/2/22	2152
	31.80000	-0.05000	4/4/22	2152
	28.30000	-0.05000	5/3/22	2152
	29.60000	-0.05000	6/2/22	2152
	30.25000	-0.05000	7/5/22	2152
	37.30000	-0.05000	8/2/22	2152
	32.65000	-0.05000	9/2/22	2152
	27.90000	-0.05000	10/4/22	2152
	27.25000	-0.05000	11/2/22	2152
	27.25000	-0.05000	12/2/22	2152
	30.75000	-0.05000	1/4/23	2152
	41.65000	-0.10000	2/2/23	2152
	38.00000	-0.10000	3/2/23	2152
	31.55000	-0.05000	4/4/23	2152
	28.15000	-0.05000	5/2/23	2152
	29.40000	-0.05000	6/2/23	2152
	30.00000	-0.05000	7/5/23	2152
	37.05000	-0.05000	8/2/23	2152
	32.40000	-0.05000	9/5/23	2152
	27.75000	-0.05000	10/3/23	2152

	27.05000	-0.05000	11/2/23	2152
	27.05000	-0.05000	12/4/23	2152
	30.30000	-0.05000	1/3/24	2152
	41.35000	-0.10000	2/2/24	2152
	37.65000	-0.10000	3/4/24	2152
	31.25000	-0.05000	4/2/24	2152
	27.90000	-0.05000	5/2/24	2152
	29.15000	-0.05000	6/4/24	2152
	29.80000	-0.05000	7/2/24	2152
	36.80000	-0.05000	8/2/24	2152
	32.15000	-0.05000	9/4/24	2152
	27.55000	-0.05000	10/2/24	2152
	26.85000	-0.05000	11/4/24	2152
	26.85000	-0.05000	12/3/24	2152
	29.15000	-0.05000	1/3/25	2152
	22.66000	0.00000	10/4/16	2153
	22.87000	1.87000	10/5/16	2153
	21.00000	3.78000	10/6/16	2153
	17.30000	0.08000	10/7/16	2153
	17.30000	0.08000	10/10/16	2153
	17.70000	0.00000	10/10/16	2153
	17.70000	0.00000	10/10/16	2153
	17.30000	0.08000	10/11/16	2153
	17.30000	0.08000	10/12/16	2153
	17.30000	0.08000	10/13/16	2153
	17.30000	0.08000	10/14/16	2153

	17.30000	0.08000	10/17/16	2153
	18.43000	0.28000	10/17/16	2153
	18.43000	0.28000	10/17/16	2153
	17.30000	0.08000	10/18/16	2153
	17.30000	0.08000	10/19/16	2153
	17.30000	0.08000	10/20/16	2153
	17.30000	0.08000	10/21/16	2153
	17.30000	0.08000	10/24/16	2153
	18.43000	0.28000	10/24/16	2153
	18.43000	0.28000	10/24/16	2153
	17.30000	0.08000	10/25/16	2153
	17.30000	0.08000	10/26/16	2153
	17.30000	0.08000	10/27/16	2153
	17.30000	0.08000	10/28/16	2153
	17.30000	0.08000	10/31/16	2153
	18.43000	0.28000	10/31/16	2153
	18.43000	0.28000	10/31/16	2153
	17.30000	0.08000	11/1/16	2153
	17.93000	0.09000	11/2/16	2153
	17.93000	0.09000	11/3/16	2153
	17.93000	0.09000	11/4/16	2153
	17.93000	0.09000	11/7/16	2153
	18.32000	0.21000	11/7/16	2153
	18.32000	0.21000	11/7/16	2153
	17.93000		11/8/16	2153
	17.93000		11/9/16	2153

	17.93000		11/10/16	2153
	22.55000	0.00000	10/4/16	2154
	21.68000	0.32000	11/2/16	2154
	21.55000	0.25000	12/2/16	2154
	24.80000	0.20000	1/4/17	2154
	34.20000	0.10000	2/2/17	2154
	30.45000	0.10000	3/2/17	2154
	25.75000	0.00000	4/4/17	2154
	21.00000	0.00000	5/2/17	2154
	19.10000	0.25000	6/2/17	2154
	19.75000	0.00000	7/5/17	2154
	22.45000	0.00000	8/2/17	2154
	20.30000	0.00000	9/5/17	2154
	18.90000	0.00000	10/3/17	2154
	19.00000	0.00000	11/2/17	2154
	19.45000	0.00000	12/4/17	2154
	24.25000	0.00000	1/3/18	2154
	34.00000	0.15000	2/2/18	2154
	30.60000	0.15000	3/2/18	2154
	26.65000	0.05000	4/3/18	2154
	23.40000	0.05000	5/2/18	2154
	18.80000	0.00000	6/4/18	2154
	18.80000	0.00000	7/3/18	2154
	21.80000	0.05000	8/2/18	2154
	21.25000	0.05000	9/5/18	2154
	18.10000	0.00000	10/2/18	2154

	17.35000	0.05000	11/2/18	2154
	18.05000	0.05000	12/4/18	2154
	20.65000	0.05000	1/3/19	2154
	34.05000	0.05000	2/4/19	2154
	31.60000	0.05000	3/4/19	2154
	25.80000	0.05000	4/2/19	2154
	21.10000	0.05000	5/2/19	2154
	19.65000	0.05000	6/4/19	2154
	19.30000	0.05000	7/2/19	2154
	22.80000	0.05000	8/2/19	2154
	22.25000	0.05000	9/4/19	2154
	19.00000	0.05000	10/2/19	2154
	17.00000	0.05000	11/4/19	2154
	18.20000	0.05000	12/3/19	2154
	19.40000	0.05000	1/3/20	2154
	33.40000	0.05000	2/4/20	2154
	30.55000	0.05000	3/3/20	2154
	25.90000	0.05000	4/2/20	2154
	20.60000	0.05000	5/4/20	2154
	18.95000	0.05000	6/2/20	2154
	20.10000	0.05000	7/2/20	2154
	22.55000	0.05000	8/4/20	2154
	21.95000	0.05000	9/2/20	2154
	17.40000	0.05000	10/2/20	2154
	18.05000	0.05000	11/3/20	2154
	18.45000	0.05000	12/2/20	2154

	21.85000	0.05000	1/5/21	2154
	35.50000	0.05000	2/2/21	2154
	31.80000	0.05000	3/2/21	2154
	25.45000	0.05000	4/5/21	2154
	22.80000	0.05000	5/4/21	2154
	18.05000	0.05000	6/2/21	2154
	18.45000	0.05000	7/2/21	2154
	21.10000	0.05000	8/3/21	2154
	20.45000	0.05000	9/2/21	2154
	18.65000	0.05000	10/4/21	2154
	16.80000	0.05000	11/2/21	2154
	16.80000	0.05000	12/2/21	2154
	20.05000	0.05000	1/4/22	2154
	34.30000	0.05000	2/2/22	2154
	30.70000	0.05000	3/2/22	2154
	24.55000	0.05000	4/4/22	2154
	21.95000	0.05000	5/3/22	2154
	17.45000	0.05000	6/2/22	2154
	17.80000	0.05000	7/5/22	2154
	20.40000	0.05000	8/2/22	2154
	19.75000	0.05000	9/2/22	2154
	18.00000	0.05000	10/4/22	2154
	16.30000	0.05000	11/2/22	2154
	16.30000	0.05000	12/2/22	2154
	19.80000	0.05000	1/4/23	2154
	33.45000	0.05000	2/2/23	2154

	29.95000	0.05000	3/2/23	2154
	24.00000	0.05000	4/4/23	2154
	21.50000	0.05000	5/2/23	2154
	17.00000	0.05000	6/2/23	2154
	17.45000	0.05000	7/5/23	2154
	19.90000	0.05000	8/2/23	2154
	19.30000	0.05000	9/5/23	2154
	17.50000	0.05000	10/3/23	2154
	15.90000	0.05000	11/2/23	2154
	15.90000	0.05000	12/4/23	2154
	19.15000	0.05000	1/3/24	2154
	32.65000	0.05000	2/2/24	2154
	29.25000	0.05000	3/4/24	2154
	23.35000	0.05000	4/2/24	2154
	20.95000	0.05000	5/2/24	2154
	16.60000	0.05000	6/4/24	2154
	16.95000	0.05000	7/2/24	2154
	19.40000	0.05000	8/2/24	2154
	18.75000	0.05000	9/4/24	2154
	17.10000	0.05000	10/2/24	2154
	15.40000	0.05000	11/4/24	2154
	15.40000	0.05000	12/3/24	2154
	19.15000	0.05000	1/3/25	2154
	24.07000	0.00000	10/4/16	1626
	21.75000	0.39000	11/2/16	1626
	21.65000	0.25000	12/2/16	1626

	24.90000	0.20000	1/4/17	1626
	34.15000	0.10000	2/2/17	1626
	30.35000	0.10000	3/2/17	1626
	25.75000	0.00000	4/4/17	1626
	21.00000	0.00000	5/2/17	1626
	19.10000	0.25000	6/2/17	1626
	19.60000	0.00000	7/5/17	1626
	22.35000	0.00000	8/2/17	1626
	20.20000	0.00000	9/5/17	1626
	18.85000	0.00000	10/3/17	1626
	18.95000	0.00000	11/2/17	1626
	19.35000	0.00000	12/4/17	1626
	24.10000	0.00000	1/3/18	1626
	33.75000	0.15000	2/2/18	1626
	30.40000	0.15000	3/2/18	1626
	26.50000	0.05000	4/3/18	1626
	23.30000	0.05000	5/2/18	1626
	18.70000	0.00000	6/4/18	1626
	18.75000	0.00000	7/3/18	1626
	21.80000	0.05000	8/2/18	1626
	21.25000	0.05000	9/5/18	1626
	18.05000	0.00000	10/2/18	1626
	17.25000	0.05000	11/2/18	1626
	17.95000	0.05000	12/4/18	1626
	20.55000	0.05000	1/3/19	1626
	34.05000	0.05000	2/4/19	1626

	31.60000	0.05000	3/4/19	1626
	25.80000	0.05000	4/2/19	1626
	21.10000	0.05000	5/2/19	1626
	19.65000	0.05000	6/4/19	1626
	19.35000	0.05000	7/2/19	1626
	22.80000	0.05000	8/2/19	1626
	22.25000	0.05000	9/4/19	1626
	19.05000	0.05000	10/2/19	1626
	17.00000	0.05000	11/4/19	1626
	18.15000	0.05000	12/3/19	1626
	19.40000	0.05000	1/3/20	1626
	33.40000	0.05000	2/4/20	1626
	30.55000	0.05000	3/3/20	1626
	25.90000	0.05000	4/2/20	1626
	20.60000	0.05000	5/4/20	1626
	18.95000	0.05000	6/2/20	1626
	20.15000	0.05000	7/2/20	1626
	22.60000	0.05000	8/4/20	1626
	22.00000	0.05000	9/2/20	1626
	17.45000	0.05000	10/2/20	1626
	18.05000	0.05000	11/3/20	1626
	18.45000	0.05000	12/2/20	1626
	21.85000	0.05000	1/5/21	1626
	35.50000	0.05000	2/2/21	1626
	31.80000	0.05000	3/2/21	1626
	25.45000	0.05000	4/5/21	1626

	22.75000	0.05000	5/4/21	1626
	18.05000	0.05000	6/2/21	1626
	18.50000	0.05000	7/2/21	1626
	21.15000	0.05000	8/3/21	1626
	20.50000	0.05000	9/2/21	1626
	18.65000	0.05000	10/4/21	1626
	16.80000	0.05000	11/2/21	1626
	16.80000	0.05000	12/2/21	1626
	20.05000	0.05000	1/4/22	1626
	34.30000	0.05000	2/2/22	1626
	30.70000	0.05000	3/2/22	1626
	24.55000	0.05000	4/4/22	1626
	21.95000	0.05000	5/3/22	1626
	17.40000	0.05000	6/2/22	1626
	17.85000	0.05000	7/5/22	1626
	20.45000	0.05000	8/2/22	1626
	19.80000	0.05000	9/2/22	1626
	18.00000	0.05000	10/4/22	1626
	16.30000	0.05000	11/2/22	1626
	16.25000	0.05000	12/2/22	1626
	19.90000	0.05000	1/4/23	1626
	33.45000	0.05000	2/2/23	1626
	29.95000	0.05000	3/2/23	1626
	24.00000	0.05000	4/4/23	1626
	21.45000	0.05000	5/2/23	1626
	17.00000	0.05000	6/2/23	1626

	17.50000	0.05000	7/5/23	1626
	19.95000	0.05000	8/2/23	1626
	19.35000	0.05000	9/5/23	1626
	17.55000	0.05000	10/3/23	1626
	15.80000	0.05000	11/2/23	1626
	15.85000	0.05000	12/4/23	1626
	19.20000	0.05000	1/3/24	1626
	32.60000	0.05000	2/2/24	1626
	29.25000	0.05000	3/4/24	1626
	23.35000	0.05000	4/2/24	1626
	20.95000	0.05000	5/2/24	1626
	16.60000	0.05000	6/4/24	1626
	17.00000	0.05000	7/2/24	1626
	19.45000	0.05000	8/2/24	1626
	18.85000	0.05000	9/4/24	1626
	17.15000	0.05000	10/2/24	1626
	15.40000	0.05000	11/4/24	1626
	15.40000	0.05000	12/3/24	1626
	19.10000	0.05000	1/3/25	1626
	125.00000	0.00000	9/25/20	15844
	125.00000	0.00000	10/27/20	15844
	125.00000	0.00000	11/24/20	15844
	125.00000	0.00000	12/24/20	15844
	125.00000	0.00000	1/26/21	15844
	125.00000	0.00000	2/23/21	15844
	125.00000	0.00000	3/26/21	15844

	125.00000	0.00000	4/27/21	15844
	125.00000	0.00000	5/25/21	15844
	125.00000	0.00000	6/25/21	15844
	125.00000	0.00000	7/27/21	15844
	125.00000	0.00000	8/26/21	15844
	125.00000	0.00000	8/26/21	15960
	125.00000	0.00000	9/27/21	15960
	125.00000	0.00000	10/26/21	15960
	125.00000	0.00000	11/24/21	15960
	125.00000	0.00000	12/27/21	15960
	125.00000	0.00000	1/26/22	15960
	125.00000	0.00000	2/23/22	15960
	125.00000	0.00000	3/28/22	15960
	125.00000	0.00000	4/26/22	15960
	125.00000	0.00000	5/25/22	15960
	125.00000	0.00000	6/27/22	15960
	125.00000	0.00000	7/26/22	15960
	125.00000	0.00000	8/26/22	15961
	125.00000	0.00000	9/27/22	15961
	125.00000	0.00000	10/26/22	15961
	125.00000	0.00000	11/25/22	15961
	125.00000	0.00000	12/23/22	15961
	125.00000	0.00000	1/26/23	15961
	125.00000	0.00000	2/23/23	15961
	125.00000	0.00000	3/28/23	15961
	125.00000	0.00000	4/25/23	15961

	125.00000	0.00000	5/25/23	15961
	125.00000	0.00000	6/27/23	15961
	125.00000	0.00000	7/26/23	15961
	275.00000	0.00000	7/26/17	4665
	275.00000	0.00000	8/28/17	4665
	275.00000	0.00000	7/26/17	5252
	275.00000	0.00000	8/28/17	5252
	255.00000	-5.00000	10/26/16	5253
	255.00000	-7.50000	11/25/16	5253
	255.00000	-7.50000	12/23/16	5253
	255.00000	-7.50000	1/26/17	5253
	255.00000	-7.50000	2/23/17	5253
	255.00000	-7.50000	3/28/17	5253
	255.00000	-7.50000	4/25/17	5253
	255.00000	-7.50000	5/25/17	5253
	255.00000	-7.50000	6/27/17	5253
	255.00000	-7.50000	7/26/17	5253
	255.00000	-7.50000	8/28/17	5253
	218.00000	-7.00000	9/26/17	5257
	218.00000	-7.00000	10/26/17	5257
	218.00000	-7.00000	11/27/17	5257
	218.00000	-7.00000	12/22/17	5257
	218.00000	-7.00000	1/26/18	5257
	218.00000	-7.00000	2/23/18	5257
	218.00000	-7.00000	3/26/18	5257
	218.00000	-7.00000	4/25/18	5257

	218.00000	-7.00000	5/25/18	5257
	218.00000	-7.00000	6/26/18	5257
	218.00000	-7.00000	7/26/18	5257
	218.00000	-7.00000	8/28/18	5257
	140.00000	0.00000	9/25/18	15842
	140.00000	0.00000	10/26/18	15842
	140.00000	0.00000	11/27/18	15842
	140.00000	0.00000	12/24/18	15842
	140.00000	0.00000	1/28/19	15842
	140.00000	0.00000	2/25/19	15842
	140.00000	0.00000	3/26/19	15842
	140.00000	0.00000	4/25/19	15842
	140.00000	0.00000	5/28/19	15842
	140.00000	0.00000	6/25/19	15842
	140.00000	0.00000	7/26/19	15842
	140.00000	0.00000	8/27/19	15842
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	134.50000	0.00000	10/28/19	15843
	134.50000	0.00000	11/25/19	15843
	134.50000	0.00000	12/24/19	15843
	134.50000	0.00000	1/28/20	15843
	134.50000	0.00000	2/25/20	15843
	134.50000	0.00000	3/26/20	15843
	134.50000	0.00000	4/27/20	15843
	134.50000	0.00000	5/26/20	15843
	134.50000	0.00000	6/25/20	15843

	134.50000	0.00000	7/28/20	15843
	134.50000	0.00000	8/26/20	15843
	21.20000	0.00000	10/4/16	1627
	18.16000	-0.53000	11/2/16	1627
	23.30000	0.00000	12/2/16	1627
	35.40000	-1.30000	1/4/17	1627
	58.15000	0.20000	2/2/17	1627
	54.65000	0.15000	3/2/17	1627
	39.35000	0.00000	4/4/17	1627
	23.40000	0.00000	5/2/17	1627
	21.65000	0.25000	6/2/17	1627
	21.55000	0.00000	7/5/17	1627
	27.95000	0.00000	8/2/17	1627
	26.15000	0.00000	9/5/17	1627
	21.50000	0.00000	10/3/17	1627
	21.10000	0.00000	11/2/17	1627
	26.20000	0.00000	12/4/17	1627
	36.40000	0.00000	1/3/18	1627
	59.85000	-0.20000	2/2/18	1627
	55.50000	-0.20000	3/2/18	1627
	37.05000	-0.25000	4/3/18	1627
	23.30000	-0.15000	5/2/18	1627
	20.05000	-0.15000	6/4/18	1627
	22.40000	-0.20000	7/3/18	1627
	29.15000	-0.20000	8/2/18	1627
	28.25000	-0.20000	9/5/18	1627

	20.20000	-0.15000	10/2/18	1627
	23.70000	-0.20000	11/2/18	1627
	27.75000	-0.20000	12/4/18	1627
	35.65000	-0.20000	1/3/19	1627
	58.15000	-0.30000	2/4/19	1627
	53.90000	-0.30000	3/4/19	1627
	35.05000	-0.20000	4/2/19	1627
	22.60000	-0.15000	5/2/19	1627
	19.60000	-0.15000	6/4/19	1627
	21.95000	-0.15000	7/2/19	1627
	29.75000	-0.20000	8/2/19	1627
	29.45000	-0.20000	9/4/19	1627
	22.00000	-0.15000	10/2/19	1627
	23.00000	-0.15000	11/4/19	1627
	27.75000	-0.15000	12/3/19	1627
	34.05000	-0.20000	1/3/20	1627
	59.15000	-0.25000	2/4/20	1627
	54.75000	-0.25000	3/3/20	1627
	36.50000	-0.20000	4/2/20	1627
	23.00000	-0.15000	5/4/20	1627
	19.50000	-0.15000	6/2/20	1627
	22.15000	-0.15000	7/2/20	1627
	28.90000	-0.20000	8/4/20	1627
	27.90000	-0.20000	9/2/20	1627
	20.70000	-0.15000	10/2/20	1627
	24.05000	-0.15000	11/3/20	1627

	28.20000	-0.15000	12/2/20	1627
	34.75000	-0.20000	1/5/21	1627
	58.90000	-0.25000	2/2/21	1627
	54.45000	-0.25000	3/2/21	1627
	35.45000	-0.20000	4/5/21	1627
	22.85000	-0.15000	5/4/21	1627
	19.40000	-0.15000	6/2/21	1627
	22.25000	-0.15000	7/2/21	1627
	28.45000	-0.20000	8/3/21	1627
	27.70000	-0.20000	9/2/21	1627
	20.75000	-0.15000	10/4/21	1627
	23.25000	-0.15000	11/2/21	1627
	26.45000	-0.15000	12/2/21	1627
	34.50000	-0.20000	1/4/22	1627
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	25.68000	-0.85000	11/2/16	291
	32.55000	-0.45000	12/2/16	291
	51.60000	-0.20000	1/4/17	291
	81.65000	0.75000	2/2/17	291
	76.95000	0.80000	3/2/17	291
	49.20000	0.05000	4/4/17	291
	36.75000	-0.15000	5/2/17	291
	37.55000	-0.10000	6/2/17	291
	40.25000	-0.15000	7/5/17	291
	47.00000	-0.20000	8/2/17	291
	45.15000	-0.20000	9/5/17	291

	35.95000	-0.10000	10/3/17	291
	34.10000	-0.10000	11/2/17	291
	40.25000	0.00000	12/4/17	291
	51.65000	-0.20000	1/3/18	291
	81.15000	-0.60000	2/2/18	291
	76.25000	-0.55000	3/2/18	291
	49.45000	-0.55000	4/3/18	291
	34.35000	-0.45000	5/2/18	291
	35.95000	-0.60000	6/4/18	291
	37.55000	-0.55000	7/3/18	291
	47.75000	-0.80000	8/2/18	291
	45.65000	-0.70000	9/5/18	291
	34.95000	-0.45000	10/2/18	291
	34.80000	-0.60000	11/2/18	291
	40.65000	-0.60000	12/4/18	291
	49.70000	-0.65000	1/3/19	291
	81.25000	-0.85000	2/4/19	291
	75.35000	-0.80000	3/4/19	291
	50.95000	-0.60000	4/2/19	291
	35.95000	-0.55000	5/2/19	291
	33.60000	-0.50000	6/4/19	291
	39.10000	-0.20000	7/2/19	291
	50.95000	-0.75000	8/2/19	291
	48.25000	-0.70000	9/4/19	291
	36.90000	-0.55000	10/2/19	291
	37.35000	-0.55000	11/4/19	291

	41.60000	-0.50000	12/3/19	291
	49.55000	-0.55000	1/3/20	291
	86.10000	-0.90000	2/4/20	291
	79.70000	-0.80000	3/3/20	291
	52.60000	-0.60000	4/2/20	291
	36.15000	-0.50000	5/4/20	291
	37.85000	-0.50000	6/2/20	291
	39.50000	-0.20000	7/2/20	291
	52.75000	-0.75000	8/4/20	291
	48.25000	-0.65000	9/2/20	291
	37.15000	-0.55000	10/2/20	291
	37.45000	-0.50000	11/3/20	291
	44.35000	-0.55000	12/2/20	291
	53.15000	-0.60000	1/5/21	291
	86.85000	-0.85000	2/2/21	291
	80.10000	-0.80000	3/2/21	291
	53.65000	-0.55000	4/5/21	291
	37.15000	-0.45000	5/4/21	291
	39.15000	-0.50000	6/2/21	291
	39.00000	-0.50000	7/2/21	291
	49.60000	-0.70000	8/3/21	291
	50.10000	-0.60000	9/2/21	291
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	39.15000	-0.50000	11/2/21	291
	46.05000	-0.50000	12/2/21	291
	53.45000	-0.55000	1/4/22	291

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	40.17000	0.05000	1/30/17	19030
	37.53000	0.05000	2/27/17	19030
	33.87000	0.05000	3/30/17	19030
	33.59000	0.18000	4/28/17	19030
	31.94000	0.18000	5/30/17	19030
	31.92000	0.18000	6/29/17	19030
	30.77000	-0.05000	7/28/17	19030
	30.46000	-0.05000	8/30/17	19030
	33.09000	-0.05000	9/29/17	19030
	33.63000	-0.05000	10/30/17	19030
	33.96000	-0.05000	11/29/17	19030
	32.12000	-0.05000	12/29/17	19030
	34.84000	0.03000	1/30/18	19030
	34.88000	0.03000	2/27/18	19030
	32.64000	0.03000	3/29/18	19030
	29.74000	0.03000	4/27/18	19030
	29.02000	0.03000	5/30/18	19030
	29.83000	0.03000	6/29/18	19030
	29.81000	0.03000	7/30/18	19030
	28.73000	0.03000	8/30/18	19030
	30.53000	0.03000	9/28/18	19030
	32.20000	0.03000	10/30/18	19030
	33.46000	0.03000	11/29/18	19030

	32.33000	0.03000	12/28/18	19030
	32.93000	-0.24000	1/30/19	19030
	32.90000	-0.24000	2/27/19	19030
	30.33000	-0.24000	3/29/19	19030
	28.74000	-0.24000	4/29/19	19030
	28.32000	-0.24000	5/30/19	19030
	29.18000	-0.24000	6/28/19	19030
	29.44000	-0.24000	7/30/19	19030
	28.61000	-0.24000	8/30/19	19030
	30.80000	-0.24000	9/27/19	19030
	32.67000	-0.24000	10/30/19	19030
	34.13000	-0.24000	11/29/19	19030
	32.93000	-0.24000	12/30/19	19030
	35.96000	-0.24000	1/30/20	19030
	35.76000	-0.24000	2/28/20	19030
	33.29000	-0.24000	3/30/20	19030
	31.65000	-0.24000	4/29/20	19030
	31.20000	-0.24000	5/29/20	19030
	31.98000	-0.24000	6/29/20	19030
	32.29000	-0.24000	7/30/20	19030
	31.55000	-0.24000	8/28/20	19030
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	35.85000	-0.24000	10/30/20	19030
	37.38000	-0.24000	11/27/20	19030
	36.32000	-0.24000	12/30/20	19030
	35.39000	-0.24000	1/29/21	19030

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	32.39000	-0.24000	3/30/21	19030
	31.42000	-0.24000	4/29/21	19030
	30.95000	-0.24000	5/28/21	19030
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	29.95000	-0.24000	7/30/21	19030
	29.41000	-0.24000	8/30/21	19030
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	45.90000	-0.25000	11/29/16	19035
	44.75000	-0.25000	12/29/16	19035
	45.73000	0.03000	1/30/17	19035
	44.76000	-0.13000	2/27/17	19035
	40.63000	-0.13000	3/30/17	19035
	39.08000	-0.35000	4/27/17	19035
	38.13000	-0.35000	5/30/17	19035
	37.78000	-0.35000	6/29/17	19035
	38.62000	-0.43000	7/28/17	19035
	37.17000	-0.43000	8/30/17	19035
	39.53000	-0.43000	9/28/17	19035
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	43.13000	0.82000	11/29/17	19035
	40.69000	0.82000	12/28/17	19035
	41.72000	0.35000	1/30/18	19035
	41.46000	0.35000	2/27/18	19035
	37.01000	0.35000	3/28/18	19035
	35.58000	0.35000	4/27/18	19035

	35.18000	0.35000	5/30/18	19035
	36.21000	0.35000	6/28/18	19035
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	36.41000	0.35000	8/30/18	19035
	39.47000	0.35000	9/27/18	19035
	42.46000	0.35000	10/30/18	19035
	45.43000	0.35000	11/29/18	19035
	44.09000	0.35000	12/28/18	19035
	46.47000	-0.01000	1/30/19	19035
	44.85000	-0.01000	2/27/19	19035
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	36.33000	-0.01000	6/27/19	19035
	36.42000	-0.01000	7/30/19	19035
	34.84000	-0.01000	8/29/19	19035
	37.06000	-0.01000	9/27/19	19035
	39.23000	-0.01000	10/30/19	19035
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	39.34000	-0.01000	9/29/20	19035
	42.03000	-0.01000	10/29/20	19035
	44.70000	-0.01000	11/27/20	19035
	43.18000	-0.01000	12/30/20	19035
	45.39000	-0.01000	1/28/21	19035
	44.37000	-0.01000	2/25/21	19035
	40.02000	-0.01000	3/30/21	19035
	39.02000	-0.01000	4/29/21	19035
	38.02000	-0.01000	5/28/21	19035
	37.02000	-0.01000	6/29/21	19035
	36.02000	-0.01000	7/29/21	19035
	35.05000	-0.01000	8/30/21	19035
	34.73000	0.00000	10/4/16	5292
	27.13000	0.91000	11/2/16	5292
	31.60000	0.15000	12/2/16	5292
	42.55000	-0.05000	1/4/17	5292
	57.80000	0.05000	2/2/17	5292
	55.10000	0.15000	3/2/17	5292
	40.15000	0.45000	4/4/17	5292
	37.25000	0.10000	5/2/17	5292
	36.70000	0.15000	6/2/17	5292
	38.80000	0.10000	7/5/17	5292
	50.20000	0.05000	8/2/17	5292
	46.55000	0.00000	9/5/17	5292

	37.35000	0.15000	10/3/17	5292
	34.55000	0.15000	11/2/17	5292
	34.75000	0.30000	12/4/17	5292
	40.10000	0.20000	1/3/18	5292
	57.00000	-0.60000	2/2/18	5292
	52.60000	-0.55000	3/2/18	5292
	40.15000	-0.55000	4/3/18	5292
	33.40000	-0.45000	5/2/18	5292
	34.70000	-0.60000	6/4/18	5292
	35.70000	-0.55000	7/3/18	5292
	47.95000	-0.80000	8/2/18	5292
	42.90000	-0.70000	9/5/18	5292
	34.75000	-0.45000	10/2/18	5292
	35.25000	-0.60000	11/2/18	5292
	36.65000	-0.60000	12/4/18	5292
	39.60000	-0.65000	1/3/19	5292
	55.65000	-0.85000	2/4/19	5292
	51.00000	-0.80000	3/4/19	5292
	40.10000	-0.60000	4/2/19	5292
	33.80000	-0.55000	5/2/19	5292
	30.50000	-0.50000	6/4/19	5292
	36.25000	-0.20000	7/2/19	5292
	48.70000	-0.75000	8/2/19	5292
	43.40000	-0.70000	9/4/19	5292
	35.30000	-0.55000	10/2/19	5292
	34.80000	-0.55000	11/4/19	5292

	33.05000	-0.50000	12/3/19	5292
	36.20000	-0.55000	1/3/20	5292
	56.35000	-0.90000	2/4/20	5292
	50.90000	-0.80000	3/3/20	5292
	38.10000	-0.60000	4/2/20	5292
	32.00000	-0.50000	5/4/20	5292
	32.80000	-0.50000	6/2/20	5292
	34.75000	-0.20000	7/2/20	5292
	46.20000	-0.75000	8/4/20	5292
	41.55000	-0.65000	9/2/20	5292
	33.60000	-0.55000	10/2/20	5292
	33.00000	-0.50000	11/3/20	5292
	34.25000	-0.55000	12/2/20	5292
	37.20000	-0.60000	1/5/21	5292
	58.10000	-0.85000	2/2/21	5292
	52.20000	-0.80000	3/2/21	5292
	37.60000	-0.55000	4/5/21	5292
	31.65000	-0.45000	5/4/21	5292
	32.70000	-0.50000	6/2/21	5292
	34.85000	-0.50000	7/2/21	5292
	46.85000	-0.70000	8/3/21	5292
	41.75000	-0.60000	9/2/21	5292
	34.20000	-0.50000	10/4/21	5292
	33.75000	-0.50000	11/2/21	5292
	35.05000	-0.50000	12/2/21	5292
	39.00000	-0.55000	1/4/22	5292

	18.42000	-19.58000	10/4/16	15556
	42.25000	3.35000	10/5/16	15556
	40.50000	7.70000	10/6/16	15556
	34.10000	1.30000	10/7/16	15556
	34.10000	1.30000	10/10/16	15556
	17.05000	0.00000	10/10/16	15556
	17.05000	0.00000	10/10/16	15556
	29.43000	0.43000	10/11/16	15556
	29.43000	0.43000	10/12/16	15556
	29.43000	0.43000	10/13/16	15556
	29.43000	0.43000	10/14/16	15556
	29.43000	0.43000	10/17/16	15556
	25.92000	0.05000	10/17/16	15556
	25.92000	0.05000	10/17/16	15556
	29.43000	0.43000	10/18/16	15556
	29.43000	0.43000	10/19/16	15556
	29.43000	0.43000	10/20/16	15556
	29.43000	0.43000	10/21/16	15556
	29.43000	0.43000	10/24/16	15556
	25.92000	0.05000	10/24/16	15556
	25.92000	0.05000	10/24/16	15556
	29.43000	0.43000	10/25/16	15556
	29.43000	0.43000	10/26/16	15556
	29.43000	0.43000	10/27/16	15556
	29.43000	0.43000	10/28/16	15556
	29.43000	0.43000	10/31/16	15556

	25.92000	0.05000	10/31/16	15556
	25.92000	0.05000	10/31/16	15556
	29.43000	0.43000	11/1/16	15556
	34.80000	0.30000	11/2/16	15556
	34.80000	0.30000	11/3/16	15556
	34.80000	0.30000	11/4/16	15556
	34.80000	0.30000	11/7/16	15556
	29.58000	0.25000	11/7/16	15556
	29.58000	0.25000	11/7/16	15556
	34.80000	0.30000	11/8/16	15556
	34.80000		11/9/16	15556
	34.80000		11/10/16	15556
	34.80000		11/11/16	15556
	32.41000	0.00000	10/4/16	5294
	24.55000	-0.70000	11/2/16	5294
	31.25000	-0.45000	12/2/16	5294
	49.55000	-0.15000	1/4/17	5294
	77.45000	0.80000	2/2/17	5294
	73.80000	0.85000	3/2/17	5294
	47.10000	0.05000	4/4/17	5294
	34.85000	-0.15000	5/2/17	5294
	33.70000	-0.10000	6/2/17	5294
	35.70000	-0.15000	7/5/17	5294
	43.50000	-0.15000	8/2/17	5294
	40.90000	-0.15000	9/5/17	5294
	32.80000	-0.10000	10/3/17	5294

	31.75000	-0.10000	11/2/17	5294
	36.60000	0.00000	12/4/17	5294
	48.60000	-0.20000	1/3/18	5294
	75.45000	-0.60000	2/2/18	5294
	70.95000	-0.55000	3/2/18	5294
	45.70000	-0.55000	4/3/18	5294
	31.90000	-0.45000	5/2/18	5294
	32.60000	-0.60000	6/4/18	5294
	33.15000	-0.55000	7/3/18	5294
	43.90000	-0.80000	8/2/18	5294
	40.95000	-0.70000	9/5/18	5294
	31.45000	-0.45000	10/2/18	5294
	31.40000	-0.60000	11/2/18	5294
	36.95000	-0.60000	12/4/18	5294
	46.45000	-0.65000	1/3/19	5294
	74.50000	-0.85000	2/4/19	5294
	68.90000	-0.80000	3/4/19	5294
	47.10000	-0.60000	4/2/19	5294
	33.35000	-0.55000	5/2/19	5294
	30.25000	-0.50000	6/4/19	5294
	34.55000	-0.20000	7/2/19	5294
	46.05000	-0.75000	8/2/19	5294
	42.50000	-0.70000	9/4/19	5294
	33.25000	-0.55000	10/2/19	5294
	35.80000	-0.55000	11/4/19	5294
	37.80000	-0.50000	12/3/19	5294

	45.85000	-0.55000	1/3/20	5294
	77.30000	-0.90000	2/4/20	5294
	71.30000	-0.80000	3/3/20	5294
	47.95000	-0.60000	4/2/20	5294
	33.05000	-0.50000	5/4/20	5294
	33.80000	-0.50000	6/2/20	5294
	34.40000	-0.20000	7/2/20	5294
	45.65000	-0.75000	8/4/20	5294
	41.95000	-0.65000	9/2/20	5294
	33.10000	-0.55000	10/2/20	5294
	33.40000	-0.50000	11/3/20	5294
	39.85000	-0.55000	12/2/20	5294
	48.35000	-0.60000	1/5/21	5294
	79.70000	-0.85000	2/2/21	5294
	73.55000	-0.80000	3/2/21	5294
	48.95000	-0.55000	4/5/21	5294
	34.00000	-0.45000	5/4/21	5294
	35.05000	-0.50000	6/2/21	5294
	34.00000	-0.50000	7/2/21	5294
	44.05000	-0.70000	8/3/21	5294
	43.75000	-0.60000	9/2/21	5294
	34.30000	-0.50000	10/4/21	5294
	34.90000	-0.50000	11/2/21	5294
	41.45000	-0.50000	12/2/21	5294
	50.40000	-0.55000	1/4/22	5294
	33.66000	0.00000	10/4/16	5296

	25.68000	-0.85000	11/2/16	5296
	32.55000	-0.45000	12/2/16	5296
	51.60000	-0.20000	1/4/17	5296
	81.65000	0.75000	2/2/17	5296
	76.95000	0.80000	3/2/17	5296
	49.20000	0.05000	4/4/17	5296
	36.75000	-0.15000	5/2/17	5296
	37.55000	-0.10000	6/2/17	5296
	40.25000	-0.15000	7/5/17	5296
	47.00000	-0.20000	8/2/17	5296
	45.15000	-0.20000	9/5/17	5296
	35.95000	-0.10000	10/3/17	5296
	34.10000	-0.10000	11/2/17	5296
	40.25000	0.00000	12/4/17	5296
	51.65000	-0.20000	1/3/18	5296
	81.15000	-0.60000	2/2/18	5296
	76.25000	-0.55000	3/2/18	5296
	49.45000	-0.55000	4/3/18	5296
	34.35000	-0.45000	5/2/18	5296
	35.95000	-0.60000	6/4/18	5296
	37.55000	-0.55000	7/3/18	5296
	47.75000	-0.80000	8/2/18	5296
	45.65000	-0.70000	9/5/18	5296
	34.95000	-0.45000	10/2/18	5296
	34.80000	-0.60000	11/2/18	5296
	40.65000	-0.60000	12/4/18	5296

	49.70000	-0.65000	1/3/19	5296
	81.25000	-0.85000	2/4/19	5296
	75.35000	-0.80000	3/4/19	5296
	50.95000	-0.60000	4/2/19	5296
	35.95000	-0.55000	5/2/19	5296
	33.60000	-0.50000	6/4/19	5296
	39.10000	-0.20000	7/2/19	5296
	50.95000	-0.75000	8/2/19	5296
	48.25000	-0.70000	9/4/19	5296
	36.90000	-0.55000	10/2/19	5296
	37.35000	-0.55000	11/4/19	5296
	41.60000	-0.50000	12/3/19	5296
	49.55000	-0.55000	1/3/20	5296
	86.10000	-0.90000	2/4/20	5296
	79.70000	-0.80000	3/3/20	5296
	52.60000	-0.60000	4/2/20	5296
	36.15000	-0.50000	5/4/20	5296
	37.85000	-0.50000	6/2/20	5296
	39.50000	-0.20000	7/2/20	5296
	52.75000	-0.75000	8/4/20	5296
	48.25000	-0.65000	9/2/20	5296
	37.15000	-0.55000	10/2/20	5296
	37.45000	-0.50000	11/3/20	5296
	44.35000	-0.55000	12/2/20	5296
	53.15000	-0.60000	1/5/21	5296
	86.85000	-0.85000	2/2/21	5296

	80.10000	-0.80000	3/2/21	5296
	53.65000	-0.55000	4/5/21	5296
	37.15000	-0.45000	5/4/21	5296
	39.15000	-0.50000	6/2/21	5296
	39.00000	-0.50000	7/2/21	5296
	49.60000	-0.70000	8/3/21	5296
	50.10000	-0.60000	9/2/21	5296
	38.40000	-0.50000	10/4/21	5296
	39.15000	-0.50000	11/2/21	5296
	46.05000	-0.50000	12/2/21	5296
	53.45000	-0.55000	1/4/22	5296
	20.90000	0.00000	10/5/16	4068
	17.50000	0.09000	11/3/16	4068
	24.60000	-0.25000	12/5/16	4068
	39.00000	0.15000	1/5/17	4068
	30.85000	0.05000	2/3/17	4068
	30.85000	0.05000	3/3/17	4068
	30.85000	0.05000	4/5/17	4068
	30.85000	0.05000	5/3/17	4068
	30.85000	0.05000	6/5/17	4068
	30.85000	0.05000	7/6/17	4068
	30.85000	0.05000	8/3/17	4068
	30.85000	0.05000	9/6/17	4068
	30.85000	0.05000	10/4/17	4068
	30.85000	0.05000	11/3/17	4068
	30.85000	0.05000	12/5/17	4068

	30.85000	0.05000	1/4/18	4068
	31.30000	-0.68000	2/5/18	4068
	31.30000	-0.68000	3/5/18	4068
	31.30000	-0.68000	4/4/18	4068
	31.30000	-0.68000	5/3/18	4068
	31.30000	-0.68000	6/5/18	4068
	31.30000	-0.68000	7/5/18	4068
	31.30000	-0.68000	8/3/18	4068
	31.30000	-0.68000	9/6/18	4068
	31.30000	-0.68000	10/3/18	4068
	31.30000	-0.68000	11/5/18	4068
	31.30000	-0.68000	12/5/18	4068
	31.30000	-0.68000	1/4/19	4068
	11.06000	0.00000	10/4/16	1619
	10.97000	0.00000	10/5/16	1619
	13.42000	-5.77000	10/6/16	1619
	18.58000	-0.61000	10/7/16	1619
	18.58000	-0.61000	10/10/16	1619
	16.00000	0.00000	10/10/16	1619
	16.00000	0.00000	10/10/16	1619
	18.58000	-0.61000	10/11/16	1619
	18.58000	-0.61000	10/12/16	1619
	18.58000	-0.61000	10/13/16	1619
	18.58000	-0.61000	10/14/16	1619
	18.58000	-0.61000	10/17/16	1619
	14.71000	-0.44000	10/17/16	1619

	14.71000	-0.44000	10/17/16	1619
	18.58000	-0.61000	10/18/16	1619
	18.58000	-0.61000	10/19/16	1619
	18.58000	-0.61000	10/20/16	1619
	18.58000	-0.61000	10/21/16	1619
	18.58000	-0.61000	10/24/16	1619
	14.71000	-0.44000	10/24/16	1619
	14.71000	-0.44000	10/24/16	1619
	18.58000	-0.61000	10/25/16	1619
	18.58000	-0.61000	10/26/16	1619
	18.58000	-0.61000	10/27/16	1619
	18.58000	-0.61000	10/28/16	1619
	18.58000	-0.61000	10/31/16	1619
	14.71000	-0.44000	10/31/16	1619
	14.71000	-0.44000	10/31/16	1619
	18.58000	-0.61000	11/1/16	1619
	20.39000	0.33000	11/2/16	1619
	20.39000	0.33000	11/3/16	1619
	20.39000	0.33000	11/4/16	1619
	20.39000	0.33000	11/7/16	1619
	19.08000	0.00000	11/7/16	1619
	19.08000	0.00000	11/7/16	1619
	20.39000		11/8/16	1619
	20.39000		11/9/16	1619
	20.39000		11/10/16	1619
	11.17000	0.00000	10/4/16	1618

	11.06000	0.00000	10/5/16	1618
	13.56000	-6.15000	10/6/16	1618
	19.16000	-0.55000	10/7/16	1618
	19.16000	-0.55000	10/10/16	1618
	18.00000	0.00000	10/10/16	1618
	18.00000	0.00000	10/10/16	1618
	19.16000	-0.55000	10/11/16	1618
	19.16000	-0.55000	10/12/16	1618
	19.16000	-0.55000	10/13/16	1618
	19.16000	-0.55000	10/14/16	1618
	19.16000	-0.55000	10/17/16	1618
	15.43000	-0.46000	10/17/16	1618
	15.43000	-0.46000	10/17/16	1618
	19.16000	-0.55000	10/18/16	1618
	19.16000	-0.55000	10/19/16	1618
	19.16000	-0.55000	10/20/16	1618
	19.16000	-0.55000	10/21/16	1618
	19.16000	-0.55000	10/24/16	1618
	15.43000	-0.46000	10/24/16	1618
	15.43000	-0.46000	10/24/16	1618
	19.16000	-0.55000	10/25/16	1618
	19.16000	-0.55000	10/26/16	1618
	19.16000	-0.55000	10/27/16	1618
	19.16000	-0.55000	10/28/16	1618
	19.16000	-0.55000	10/31/16	1618
	15.43000	-0.46000	10/31/16	1618

	15.43000	-0.46000	10/31/16	1618
	19.16000	-0.55000	11/1/16	1618
	21.07000	0.32000	11/2/16	1618
	21.07000	0.32000	11/3/16	1618
	21.07000	0.32000	11/4/16	1618
	21.07000	0.32000	11/7/16	1618
	19.81000	0.00000	11/7/16	1618
	19.81000	0.00000	11/7/16	1618
	21.07000		11/8/16	1618
	21.07000		11/9/16	1618
	21.07000		11/10/16	1618
	20.90000	0.00000	10/5/16	3968
	17.50000	0.09000	11/3/16	3968
	24.60000	-0.25000	12/5/16	3968
	39.00000	0.15000	1/5/17	3968
	58.85000	0.15000	2/3/17	3968
	56.15000	0.15000	3/3/17	3968
	38.80000	0.10000	4/5/17	3968
	24.45000	0.00000	5/3/17	3968
	20.85000	0.25000	6/5/17	3968
	20.60000	0.00000	7/6/17	3968
	23.80000	0.00000	8/3/17	3968
	19.65000	0.00000	9/6/17	3968
	20.45000	0.00000	10/4/17	3968
	21.45000	0.00000	11/3/17	3968
	26.65000	0.00000	12/5/17	3968

	39.40000	0.00000	1/4/18	3968
	58.70000	-1.30000	2/5/18	3968
	55.80000	-1.25000	3/5/18	3968
	37.80000	-0.90000	4/4/18	3968
	27.85000	-0.65000	5/3/18	3968
	21.25000	-0.50000	6/5/18	3968
	21.10000	-0.50000	7/5/18	3968
	22.65000	-0.55000	8/3/18	3968
	22.15000	-0.55000	9/6/18	3968
	22.15000	-0.55000	10/3/18	3968
	21.10000	-0.50000	11/5/18	3968
	29.30000	-0.70000	12/5/18	3968
	37.55000	-0.35000	1/4/19	3968
	59.90000	-1.30000	2/5/19	3968
	55.45000	-1.20000	3/5/19	3968
	38.10000	-0.85000	4/3/19	3968
	25.30000	-0.55000	5/3/19	3968
	20.25000	-0.45000	6/5/19	3968
	21.90000	-0.45000	7/3/19	3968
	23.30000	-0.50000	8/5/19	3968
	22.75000	-0.50000	9/5/19	3968
	19.35000	-0.40000	10/3/19	3968
	20.85000	-0.45000	11/5/19	3968
	30.40000	-0.65000	12/4/19	3968
	37.80000	-0.85000	1/6/20	3968
	59.55000	-1.30000	2/5/20	3968

	56.60000	-1.25000	3/4/20	3968
	37.25000	-0.80000	4/3/20	3968
	28.40000	-0.60000	5/5/20	3968
	21.15000	-0.45000	6/3/20	3968
	21.35000	-0.45000	7/6/20	3968
	23.05000	-0.50000	8/5/20	3968
	22.45000	-0.45000	9/3/20	3968
	23.35000	-0.50000	10/5/20	3968
	21.20000	-0.45000	11/4/20	3968
	29.25000	-0.65000	12/3/20	3968
	36.90000	-0.80000	1/6/21	3968
	60.45000	-1.30000	2/3/21	3968
	57.50000	-1.25000	3/3/21	3968
	37.55000	-0.80000	4/6/21	3968
	28.50000	-0.60000	5/5/21	3968
	21.35000	-0.45000	6/3/21	3968
	21.55000	-0.45000	7/6/21	3968
	22.95000	-0.50000	8/4/21	3968
	22.55000	-0.45000	9/3/21	3968
	23.65000	-0.50000	10/5/21	3968
	21.40000	-0.45000	11/3/21	3968
	29.55000	-0.65000	12/3/21	3968
	37.40000	-0.80000	1/5/22	3968
	61.90000	-1.30000	2/3/22	3968
	58.85000	-1.25000	3/3/22	3968
	38.20000	-0.80000	4/5/22	3968

	28.85000	-0.60000	5/4/22	3968
	21.45000	-0.45000	6/3/22	3968
	21.70000	-0.45000	7/6/22	3968
	23.15000	-0.50000	8/3/22	3968
	22.75000	-0.45000	9/6/22	3968
	23.85000	-0.50000	10/5/22	3968
	21.45000	-0.45000	11/3/22	3968
	29.90000	-0.65000	12/5/22	3968
	38.10000	-0.80000	1/5/23	3968
	280.00000	0.00000	10/26/16	15830
	280.00000	0.00000	11/25/16	15830
	280.00000	0.00000	12/23/16	15830
	280.00000	0.00000	10/26/16	18383
	280.00000	0.00000	11/25/16	18383
	280.00000	0.00000	12/23/16	18383
	280.00000	0.00000	3/28/17	18383
	280.00000	0.00000	6/27/17	18383
	280.00000	0.00000	9/26/17	18383
	280.00000	0.00000	12/22/17	18383
	20.90000	0.00000	10/5/16	369
	17.50000	0.09000	11/3/16	369
	24.60000	-0.25000	12/5/16	369
	39.00000	0.15000	1/5/17	369
	58.85000	0.15000	2/3/17	369
	56.15000	0.15000	3/3/17	369
	38.80000	0.10000	4/5/17	369

	24.45000	0.00000	5/3/17	369
	20.85000	0.25000	6/5/17	369
	20.60000	0.00000	7/6/17	369
	23.80000	0.00000	8/3/17	369
	19.65000	0.00000	9/6/17	369
	20.45000	0.00000	10/4/17	369
	21.45000	0.00000	11/3/17	369
	26.65000	0.00000	12/5/17	369
	39.40000	0.00000	1/4/18	369
	58.70000	-1.30000	2/5/18	369
	55.80000	-1.25000	3/5/18	369
	37.80000	-0.90000	4/4/18	369
	27.85000	-0.65000	5/3/18	369
	21.25000	-0.50000	6/5/18	369
	21.10000	-0.50000	7/5/18	369
	22.65000	-0.55000	8/3/18	369
	22.15000	-0.55000	9/6/18	369
	22.15000	-0.55000	10/3/18	369
	21.10000	-0.50000	11/5/18	369
	29.30000	-0.70000	12/5/18	369
	37.55000	-0.35000	1/4/19	369
	59.90000	-1.30000	2/5/19	369
	55.45000	-1.20000	3/5/19	369
	38.10000	-0.85000	4/3/19	369
	25.30000	-0.55000	5/3/19	369
	20.25000	-0.45000	6/5/19	369

	21.90000	-0.45000	7/3/19	369
	23.30000	-0.50000	8/5/19	369
	22.75000	-0.50000	9/5/19	369
	19.35000	-0.40000	10/3/19	369
	20.85000	-0.45000	11/5/19	369
	30.40000	-0.65000	12/4/19	369
	37.80000	-0.85000	1/6/20	369
	59.55000	-1.30000	2/5/20	369
	56.60000	-1.25000	3/4/20	369
	37.25000	-0.80000	4/3/20	369
	28.40000	-0.60000	5/5/20	369
	21.15000	-0.45000	6/3/20	369
	21.35000	-0.45000	7/6/20	369
	23.05000	-0.50000	8/5/20	369
	22.45000	-0.45000	9/3/20	369
	23.35000	-0.50000	10/5/20	369
	21.20000	-0.45000	11/4/20	369
	29.25000	-0.65000	12/3/20	369
	36.90000	-0.80000	1/6/21	369
	60.45000	-1.30000	2/3/21	369
	57.50000	-1.25000	3/3/21	369
	37.55000	-0.80000	4/6/21	369
	28.50000	-0.60000	5/5/21	369
	21.35000	-0.45000	6/3/21	369
	21.55000	-0.45000	7/6/21	369
	22.95000	-0.50000	8/4/21	369

	22.55000	-0.45000	9/3/21	369
	23.65000	-0.50000	10/5/21	369
	21.40000	-0.45000	11/3/21	369
	29.55000	-0.65000	12/3/21	369
	37.40000	-0.80000	1/5/22	369
	61.90000	-1.30000	2/3/22	369
	58.85000	-1.25000	3/3/22	369
	38.20000	-0.80000	4/5/22	369
	28.85000	-0.60000	5/4/22	369
	21.45000	-0.45000	6/3/22	369
	21.70000	-0.45000	7/6/22	369
	23.15000	-0.50000	8/3/22	369
	22.75000	-0.45000	9/6/22	369
	23.85000	-0.50000	10/5/22	369
	21.45000	-0.45000	11/3/22	369
	29.90000	-0.65000	12/5/22	369
	38.10000	-0.80000	1/5/23	369
	37.37000	0.00000	10/5/16	319
	36.23000	-0.29000	11/3/16	319
	36.45000	0.05000	12/5/16	319
	41.10000	-0.35000	1/5/17	319
	41.15000	-0.35000	2/3/17	319
	38.15000	-0.25000	3/3/17	319
	34.65000	0.00000	4/5/17	319
	32.10000	0.50000	5/3/17	319
	32.70000	0.55000	6/5/17	319

	33.15000	0.35000	7/6/17	319
	36.60000	0.25000	8/3/17	319
	38.30000	0.20000	9/6/17	319
	37.45000	0.30000	10/4/17	319
	37.05000	0.35000	11/3/17	319
	37.80000	0.30000	12/5/17	319
	39.25000	0.25000	1/4/18	319
	38.85000	0.00000	2/5/18	319
	38.80000	0.00000	3/5/18	319
	37.60000	0.00000	4/4/18	319
	27.85000	0.00000	5/3/18	319
	26.80000	0.00000	6/5/18	319
	28.70000	0.00000	7/5/18	319
	36.40000	0.00000	8/3/18	319
	37.70000	0.00000	9/6/18	319
	37.60000	0.00000	10/3/18	319
	38.00000	0.00000	11/5/18	319
	38.65000	0.00000	12/5/18	319
	38.80000	0.00000	1/4/19	319
	38.25000	0.00000	2/5/19	319
	38.05000	0.00000	3/5/19	319
	36.60000	0.00000	4/3/19	319
	27.50000	0.00000	5/3/19	319
	26.90000	0.00000	6/5/19	319
	26.65000	0.00000	7/3/19	319
	37.80000	0.00000	8/5/19	319

	39.65000	0.00000	9/5/19	319
	40.00000	0.00000	10/3/19	319
	38.60000	0.00000	11/5/19	319
	39.10000	0.00000	12/4/19	319
	39.45000	0.00000	1/6/20	319
	38.35000	0.00000	2/5/20	319
	38.30000	0.00000	3/4/20	319
	36.85000	0.00000	4/3/20	319
	27.70000	0.00000	5/5/20	319
	27.05000	0.00000	6/3/20	319
	26.85000	0.00000	7/6/20	319
	38.05000	0.00000	8/5/20	319
	39.95000	0.00000	9/3/20	319
	40.35000	0.00000	10/5/20	319
	38.85000	0.00000	11/4/20	319
	39.40000	0.00000	12/3/20	319
	39.75000	0.00000	1/6/21	319
	27.30000	0.01000	10/28/16	19034
	30.10000	0.01000	11/29/16	19034
	30.94000	-0.08000	12/30/16	19034
	33.51000	-0.20000	1/30/17	19034
	33.64000	-0.30000	2/27/17	19034
	29.19000	-0.40000	3/30/17	19034
	26.41000	-0.18000	4/28/17	19034
	24.56000	-0.18000	5/30/17	19034
	22.64000	-0.18000	6/29/17	19034

	23.03000	-0.18000	7/28/17	19034
	23.04000	-0.21000	8/30/17	19034
	23.04000	-0.24000	9/29/17	19034
	24.53000	-0.27000	10/30/17	19034
	26.01000	-0.30000	11/29/17	19034
	27.54000	-0.33000	12/29/17	19034
	27.40000	-0.28000	1/30/18	19034
	27.57000	-0.28000	2/27/18	19034
	27.67000	-0.28000	3/29/18	19034
	24.35000	-0.28000	4/27/18	19034
	21.24000	-0.28000	5/30/18	19034
	18.13000	-0.28000	6/29/18	19034
	18.39000	-0.28000	7/30/18	19034
	19.22000	-0.28000	8/30/18	19034
	20.05000	-0.28000	9/28/18	19034
	21.89000	-0.28000	10/30/18	19034
	23.37000	-0.28000	11/29/18	19034
	24.45000	-0.28000	12/28/18	19034
	24.40000	-0.28000	1/30/19	19034
	24.93000	-0.28000	2/27/19	19034
	25.47000	-0.28000	3/29/19	19034
	22.20000	-0.28000	4/29/19	19034
	18.93000	-0.28000	5/30/19	19034
	15.66000	-0.28000	6/28/19	19034
	16.53000	-0.28000	7/30/19	19034
	17.40000	-0.28000	8/30/19	19034

	18.27000	-0.28000	9/27/19	19034
	20.00000	-0.28000	10/30/19	19034
	21.74000	-0.28000	11/29/19	19034
	23.47000	-0.28000	12/30/19	19034
	24.44000	-0.28000	1/30/20	19034
	26.13000	-0.28000	2/28/20	19034
	27.82000	-0.28000	3/30/20	19034
	23.74000	-0.28000	4/29/20	19034
	19.67000	-0.28000	5/29/20	19034
	15.60000	-0.28000	6/29/20	19034
	16.81000	-0.28000	7/30/20	19034
	18.03000	-0.28000	8/28/20	19034
	19.24000	-0.28000	9/29/20	19034
	20.97000	-0.28000	10/30/20	19034
	22.69000	-0.28000	11/27/20	19034
	24.42000	-0.28000	12/30/20	19034
	26.85000	-0.28000	1/29/21	19034
	28.87000	-0.28000	2/26/21	19034
	30.90000	-0.28000	3/30/21	19034
	26.38000	-0.28000	4/29/21	19034
	22.31000	-0.28000	5/28/21	19034
	18.24000	-0.28000	6/29/21	19034
	19.45000	-0.28000	7/30/21	19034
	20.67000	-0.28000	8/30/21	19034
	18.61000	-28.39000	10/4/16	15972
	47.00000	17.10000	10/5/16	15972

	31.50000	3.55000	10/6/16	15972
	29.25000	1.30000	10/7/16	15972
	29.25000	1.30000	10/10/16	15972
	25.65000	0.00000	10/10/16	15972
	25.65000	0.00000	10/10/16	15972
	26.72000	0.32000	10/11/16	15972
	26.72000	0.32000	10/12/16	15972
	26.72000	0.32000	10/13/16	15972
	26.72000	0.32000	10/14/16	15972
	26.72000	0.32000	10/17/16	15972
	23.60000	0.00000	10/17/16	15972
	23.60000	0.00000	10/17/16	15972
	26.72000	0.32000	10/18/16	15972
	26.72000	0.32000	10/19/16	15972
	26.72000	0.32000	10/20/16	15972
	26.72000	0.32000	10/21/16	15972
	26.72000	0.32000	10/24/16	15972
	23.60000	0.00000	10/24/16	15972
	23.60000	0.00000	10/24/16	15972
	26.72000	0.32000	10/25/16	15972
	26.72000	0.32000	10/26/16	15972
	26.72000	0.32000	10/27/16	15972
	26.72000	0.32000	10/28/16	15972
	26.72000	0.32000	10/31/16	15972
	23.60000	0.00000	10/31/16	15972
	23.60000	0.00000	10/31/16	15972

	26.72000	0.32000	11/1/16	15972
	31.25000	-0.45000	11/2/16	15972
	31.25000	-0.45000	11/3/16	15972
	31.25000	-0.45000	11/4/16	15972
	31.25000	-0.45000	11/7/16	15972
	26.56000	-0.39000	11/7/16	15972
	26.56000	-0.39000	11/7/16	15972
	31.25000		11/8/16	15972
	31.25000		11/9/16	15972
	31.25000		11/10/16	15972
	29.21000	0.00000	10/4/16	1688
	29.34000	0.00000	10/5/16	1688
	28.63000	0.00000	10/6/16	1688
	40.71000	0.00000	10/7/16	1688
	25.37000	0.00000	10/10/16	1688
	31.97000	0.00000	10/10/16	1688
	28.12000	0.00000	10/10/16	1688
	27.17000	-3.83000	10/11/16	1688
	29.00000	0.00000	10/12/16	1688
	29.50000	-1.50000	10/13/16	1688
	31.00000	0.00000	10/14/16	1688
	31.00000	0.00000	10/17/16	1688
	31.00000	0.00000	10/17/16	1688
	31.00000	0.00000	10/17/16	1688
	31.00000	0.00000	10/18/16	1688
	31.00000	0.00000	10/19/16	1688

	31.00000	0.00000	10/20/16	1688
	31.00000	0.00000	10/21/16	1688
	31.00000	0.00000	10/24/16	1688
	31.00000	0.00000	10/24/16	1688
	31.00000	0.00000	10/24/16	1688
	31.00000	0.00000	10/25/16	1688
	31.00000	0.00000	10/26/16	1688
	31.00000	0.00000	10/27/16	1688
	31.00000	0.00000	10/28/16	1688
	31.00000	0.00000	10/31/16	1688
	31.00000	0.00000	10/31/16	1688
	31.00000	0.00000	10/31/16	1688
	31.00000	0.00000	11/1/16	1688
	31.00000	0.00000	11/2/16	1688
	31.00000	0.00000	11/3/16	1688
	31.00000	0.00000	11/4/16	1688
	31.00000	0.00000	11/7/16	1688
	31.00000	0.00000	11/7/16	1688
	31.00000	0.00000	11/7/16	1688
	31.00000	0.00000	11/8/16	1688
	31.40000	0.20000	11/9/16	1688
	31.40000	0.20000	11/10/16	1688
	31.40000	0.20000	11/11/16	1688
	31.40000	0.20000	11/14/16	1688
	31.40000	0.20000	11/14/16	1688
	31.40000	0.20000	11/14/16	1688

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	31.40000	0.20000	11/16/16	1688
	31.40000	0.20000	11/17/16	1688
	31.40000	0.20000	11/18/16	1688
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	31.40000	0.20000	12/6/16	1688
	31.40000	0.20000	12/7/16	1688
	31.40000	0.20000	12/8/16	1688
	35.50000	-0.35000	12/9/16	1688
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	35.50000	-0.35000	12/12/16	1688
	35.50000	-0.35000	12/13/16	1688
	35.50000	-0.35000	12/14/16	1688
	35.50000		12/15/16	1688
	35.50000		12/16/16	1688
	35.50000		12/19/16	1688
	60.29000	0.00000	10/4/16	1686
	36.67000	0.00000	10/5/16	1686
	36.84000	0.00000	10/6/16	1686
	35.39000	0.00000	10/7/16	1686
	36.04000	0.00000	10/10/16	1686
	57.56000	0.00000	10/10/16	1686
	33.52000	0.00000	10/10/16	1686
	58.07000	8.92000	10/11/16	1686
	49.15000	0.15000	10/12/16	1686
	46.55000	9.55000	10/13/16	1686
	36.75000	-0.25000	10/14/16	1686
	36.75000	-0.25000	10/17/16	1686
	36.75000	-0.25000	10/17/16	1686
	31.00000	0.00000	10/17/16	1686
	36.75000	-0.25000	10/18/16	1686
	36.75000	-0.25000	10/19/16	1686
	36.75000	-0.25000	10/20/16	1686
	36.75000	-0.25000	10/21/16	1686
	36.75000	-0.25000	10/24/16	1686

	36.75000	-0.25000	10/24/16	1686
	31.00000	0.00000	10/24/16	1686
	36.75000	-0.25000	10/25/16	1686
	36.75000	-0.25000	10/26/16	1686
	36.75000	-0.25000	10/27/16	1686
	36.75000	-0.25000	10/28/16	1686
	36.75000	-0.25000	10/31/16	1686
	36.75000	-0.25000	10/31/16	1686
	31.00000	0.00000	10/31/16	1686
	36.75000	-0.25000	11/1/16	1686
	36.75000	-0.25000	11/2/16	1686
	36.75000	-0.25000	11/3/16	1686
	36.75000	-0.25000	11/4/16	1686
	36.75000	-0.25000	11/7/16	1686
	36.75000	-0.25000	11/7/16	1686
	31.00000	0.00000	11/7/16	1686
	36.75000	-0.25000	11/8/16	1686
	36.45000	0.05000	11/9/16	1686
	36.45000	0.05000	11/10/16	1686
	36.45000	0.05000	11/11/16	1686
	36.45000	0.05000	11/14/16	1686
	36.45000	0.05000	11/14/16	1686
	31.40000	0.20000	11/14/16	1686
	36.45000	0.05000	11/15/16	1686
	36.45000	0.05000	11/16/16	1686
	36.45000	0.05000	11/17/16	1686

	36.45000	0.05000	11/18/16	1686
	36.45000	0.05000	11/21/16	1686
	36.45000	0.05000	11/21/16	1686
	31.40000	0.20000	11/21/16	1686
	36.45000	0.05000	11/22/16	1686
	36.45000	0.05000	11/23/16	1686
	36.45000	0.05000	11/28/16	1686
	36.45000	0.05000	11/29/16	1686
	36.45000	0.05000	11/30/16	1686
	36.45000	0.05000	11/30/16	1686
	31.40000	0.20000	11/30/16	1686
	36.45000	0.05000	12/1/16	1686
	36.45000	0.05000	12/2/16	1686
	36.45000	0.05000	12/5/16	1686
	31.40000	0.20000	12/5/16	1686
	36.45000	0.05000	12/5/16	1686
	36.45000	0.05000	12/5/16	1686
	31.40000	0.20000	12/5/16	1686
	36.45000	0.05000	12/6/16	1686
	36.45000	0.05000	12/7/16	1686
	36.45000	0.05000	12/8/16	1686
	41.10000	-0.35000	12/9/16	1686
	41.10000	-0.35000	12/12/16	1686
	41.10000	-0.35000	12/12/16	1686
	35.50000	-0.35000	12/12/16	1686
	41.10000	-0.35000	12/13/16	1686

	41.10000	-0.35000	12/14/16	1686
	41.10000		12/15/16	1686
	41.10000		12/16/16	1686
	41.10000		12/19/16	1686
	13.98000	-0.12000	10/4/16	15973
	18.25000	0.00000	10/5/16	15973
	18.25000	4.61000	10/6/16	15973
	14.04000	0.40000	10/7/16	15973
	14.04000	0.40000	10/10/16	15973
	17.50000	0.00000	10/10/16	15973
	17.50000	0.00000	10/10/16	15973
	14.04000	0.40000	10/11/16	15973
	14.04000	0.40000	10/12/16	15973
	14.04000	0.40000	10/13/16	15973
	14.04000	0.40000	10/14/16	15973
	14.04000	0.40000	10/17/16	15973
	15.16000	0.21000	10/17/16	15973
	15.16000	0.21000	10/17/16	15973
	14.04000	0.40000	10/18/16	15973
	14.04000	0.40000	10/19/16	15973
	14.04000	0.40000	10/20/16	15973
	14.04000	0.40000	10/21/16	15973
	14.04000	0.40000	10/24/16	15973
	15.16000	0.21000	10/24/16	15973
	15.16000	0.21000	10/24/16	15973
	14.04000	0.40000	10/25/16	15973

	14.04000	0.40000	10/26/16	15973
	14.04000	0.40000	10/27/16	15973
	14.04000	0.40000	10/28/16	15973
	14.04000	0.40000	10/31/16	15973
	15.16000	0.21000	10/31/16	15973
	15.16000	0.21000	10/31/16	15973
	14.04000	0.40000	11/1/16	15973
	20.29000	0.33000	11/2/16	15973
	20.29000	0.33000	11/3/16	15973
	20.29000	0.33000	11/4/16	15973
	20.29000	0.33000	11/7/16	15973
	19.04000	0.00000	11/7/16	15973
	19.04000	0.00000	11/7/16	15973
	20.29000		11/8/16	15973
	20.29000		11/9/16	15973
	20.29000		11/10/16	15973
	25.34000	0.44000	10/4/16	15974
	24.90000	-7.00000	10/5/16	15974
	33.50000	4.55000	10/6/16	15974
	30.25000	1.30000	10/7/16	15974
	30.25000	1.30000	10/10/16	15974
	29.65000	0.00000	10/10/16	15974
	29.65000	0.00000	10/10/16	15974
	28.05000	0.29000	10/11/16	15974
	28.05000	0.29000	10/12/16	15974
	28.05000	0.29000	10/13/16	15974

	28.05000	0.29000	10/14/16	15974
	28.05000	0.29000	10/17/16	15974
	24.00000	0.21000	10/17/16	15974
	24.00000	0.21000	10/17/16	15974
	28.05000	0.29000	10/18/16	15974
	28.05000	0.29000	10/19/16	15974
	28.05000	0.29000	10/20/16	15974
	28.05000	0.29000	10/21/16	15974
	28.05000	0.29000	10/24/16	15974
	24.00000	0.21000	10/24/16	15974
	24.00000	0.21000	10/24/16	15974
	28.05000	0.29000	10/25/16	15974
	28.05000	0.29000	10/26/16	15974
	28.05000	0.29000	10/27/16	15974
	28.05000	0.29000	10/28/16	15974
	28.05000	0.29000	10/31/16	15974
	24.00000	0.21000	10/31/16	15974
	24.00000	0.21000	10/31/16	15974
	28.05000	0.29000	11/1/16	15974
	31.60000	0.15000	11/2/16	15974
	31.60000	0.15000	11/3/16	15974
	31.60000	0.15000	11/4/16	15974
	31.60000	0.15000	11/7/16	15974
	26.86000	0.13000	11/7/16	15974
	26.86000	0.13000	11/7/16	15974
	31.60000		11/8/16	15974

	31.60000		11/9/16	15974
	31.60000		11/10/16	15974
	13.24000	-0.86000	10/4/16	15975
	18.25000	0.00000	10/5/16	15975
	18.25000	11.31000	10/6/16	15975
	6.97000	0.03000	10/7/16	15975
	6.97000	0.03000	10/10/16	15975
	14.50000	0.00000	10/10/16	15975
	14.50000	0.00000	10/10/16	15975
	6.97000	0.03000	10/11/16	15975
	6.97000	0.03000	10/12/16	15975
	6.97000	0.03000	10/13/16	15975
	6.97000	0.03000	10/14/16	15975
	6.97000	0.03000	10/17/16	15975
	12.88000	0.25000	10/17/16	15975
	12.88000	0.25000	10/17/16	15975
	6.97000	0.03000	10/18/16	15975
	6.97000	0.03000	10/19/16	15975
	6.97000	0.03000	10/20/16	15975
	6.97000	0.03000	10/21/16	15975
	6.97000	0.03000	10/24/16	15975
	12.88000	0.25000	10/24/16	15975
	12.88000	0.25000	10/24/16	15975
	6.97000	0.03000	10/25/16	15975
	6.97000	0.03000	10/26/16	15975
	6.97000	0.03000	10/27/16	15975

	6.97000	0.03000	10/28/16	15975
	6.97000	0.03000	10/31/16	15975
	12.88000	0.25000	10/31/16	15975
	12.88000	0.25000	10/31/16	15975
	6.97000	0.03000	11/1/16	15975
	12.35000	-0.11000	11/2/16	15975
	12.35000	-0.11000	11/3/16	15975
	12.35000	-0.11000	11/4/16	15975
	12.35000	-0.11000	11/7/16	15975
	15.64000	0.00000	11/7/16	15975
	15.64000	0.00000	11/7/16	15975
	12.35000		11/8/16	15975
	12.35000		11/9/16	15975
	12.35000		11/10/16	15975
	13.55000	0.00000	10/5/16	18460
	3.41000	0.05000	11/3/16	18460
	3.66000	0.01000	12/5/16	18460
	3.81000	0.01000	1/5/17	18460
	3.82000	0.01000	2/3/17	18460
	3.77000	0.01000	3/3/17	18460
	3.49000	0.00000	4/5/17	18460
	12.60000	0.01000	5/3/17	18460
	12.72000	0.01000	6/5/17	18460
	12.83000	0.00000	7/6/17	18460
	12.84000	-0.01000	8/3/17	18460
	12.77000	-0.01000	9/6/17	18460

	12.85000	-0.01000	10/4/17	18460
	4.20000	0.00000	11/3/17	18460
	4.60000	-0.01000	12/5/17	18460
	4.67000	-0.02000	1/4/18	18460
	4.62000	-0.01000	2/5/18	18460
	4.50000	-0.02000	3/5/18	18460
	3.91000	-0.01000	4/4/18	18460
	12.35000	-0.05000	5/3/18	18460
	12.42000	-0.04000	6/5/18	18460
	12.52000	-0.04000	7/5/18	18460
	12.52000	-0.06000	8/3/18	18460
	12.48000	-0.06000	9/6/18	18460
	12.62000	-0.07000	10/3/18	18460
	3.86000	-0.02000	11/5/18	18460
	4.27000	-0.02000	12/5/18	18460
	4.35000	-0.03000	1/4/19	18460
	4.30000	-0.03000	2/5/19	18460
	4.21000	-0.03000	3/5/19	18460
	3.72000	-0.02000	4/3/19	18460
	4.40000	0.00000	10/5/16	18461
	0.39000	0.01000	11/3/16	18461
	0.95000	0.00000	12/5/16	18461
	1.16000	0.00000	1/5/17	18461
	1.16000	0.00000	2/3/17	18461
	0.82000	0.00000	3/3/17	18461
	0.36000	0.00000	4/5/17	18461

	3.90000	0.00000	5/3/17	18461
	3.94000	0.00000	6/5/17	18461
	3.97000	0.00000	7/6/17	18461
	3.98000	0.00000	8/3/17	18461
	3.95000	-0.01000	9/6/17	18461
	3.98000	0.00000	10/4/17	18461
	0.93000	0.00000	11/3/17	18461
	0.97000	0.00000	12/5/17	18461
	1.17000	0.00000	1/4/18	18461
	1.15000	-0.01000	2/5/18	18461
	0.96000	-0.01000	3/5/18	18461
	0.98000	0.00000	4/4/18	18461
	3.84000	-0.02000	5/3/18	18461
	3.86000	-0.02000	6/5/18	18461
	3.89000	-0.02000	7/5/18	18461
	3.89000	-0.02000	8/3/18	18461
	3.88000	-0.02000	9/6/18	18461
	4.21000	-0.02000	10/3/18	18461
	1.14000	-0.01000	11/5/18	18461
	1.20000	-0.01000	12/5/18	18461
	1.40000	-0.01000	1/4/19	18461
	1.38000	-0.01000	2/5/19	18461
	1.35000	-0.01000	3/5/19	18461
	1.20000	0.00000	4/3/19	18461
	8.13000	0.00000	10/5/16	19130
	2.90000	0.04000	11/3/16	19130

	3.11000	0.01000	12/5/16	19130
	3.24000	0.01000	1/5/17	19130
	3.25000	0.01000	2/3/17	19130
	3.20000	0.00000	3/3/17	19130
	2.97000	0.00000	4/5/17	19130
	7.56000	0.01000	5/3/17	19130
	7.63000	0.00000	6/5/17	19130
	7.70000	0.00000	7/6/17	19130
	7.70000	-0.01000	8/3/17	19130
	7.66000	-0.01000	9/6/17	19130
	7.71000	-0.01000	10/4/17	19130
	2.52000	0.00000	11/3/17	19130
	2.76000	-0.01000	12/5/17	19130
	2.80000	-0.01000	1/4/18	19130
	2.77000	-0.01000	2/5/18	19130
	2.70000	-0.01000	3/5/18	19130
	2.35000	0.00000	4/4/18	19130
	7.41000	-0.03000	5/3/18	19130
	7.45000	-0.03000	6/5/18	19130
	7.51000	-0.03000	7/5/18	19130
	7.51000	-0.04000	8/3/18	19130
	7.49000	-0.03000	9/6/18	19130
	7.57000	-0.04000	10/3/18	19130
	2.32000	-0.01000	11/5/18	19130
	2.56000	-0.01000	12/5/18	19130
	2.61000	-0.02000	1/4/19	19130

	2.58000	-0.02000	2/5/19	19130
	2.53000	-0.01000	3/5/19	19130
	2.23000	-0.01000	4/3/19	19130
	22.96000	0.00000	10/4/16	2623
	25.07000	0.00000	10/5/16	2623
	28.23000	0.00000	10/6/16	2623
	23.26000	0.00000	10/7/16	2623
	24.50000	0.00000	10/10/16	2623
	23.86000	0.00000	10/10/16	2623
	24.22000	0.00000	10/10/16	2623
	23.65000	0.00000	10/11/16	2623
	25.14000	0.00000	10/12/16	2623
	35.07000	5.42000	10/13/16	2623
	30.15000	0.50000	10/14/16	2623
	30.15000	0.50000	10/17/16	2623
	23.19000	0.68000	10/17/16	2623
	23.19000	0.68000	10/17/16	2623
	30.50000	1.25000	10/18/16	2623
	30.50000	1.25000	10/19/16	2623
	30.50000	1.25000	10/20/16	2623
	30.50000	1.25000	10/21/16	2623
	30.50000	1.25000	10/24/16	2623
	23.19000	0.68000	10/24/16	2623
	23.19000	0.68000	10/24/16	2623
	28.49000	0.83000	10/25/16	2623
	28.49000	0.83000	10/26/16	2623

	28.49000	0.83000	10/27/16	2623
	28.49000	0.83000	10/28/16	2623
	28.49000	0.83000	10/31/16	2623
	23.19000	0.68000	10/31/16	2623
	23.19000	0.68000	10/31/16	2623
	28.49000	0.83000	11/1/16	2623
	28.49000	0.83000	11/2/16	2623
	28.49000	0.83000	11/3/16	2623
	28.49000	0.83000	11/4/16	2623
	28.49000	0.83000	11/7/16	2623
	23.19000	0.68000	11/7/16	2623
	23.19000	0.68000	11/7/16	2623
	28.49000	0.83000	11/8/16	2623
	27.59000	0.45000	11/9/16	2623
	27.59000	0.45000	11/10/16	2623
	27.59000	0.45000	11/11/16	2623
	27.59000	0.45000	11/14/16	2623
	23.15000	0.38000	11/14/16	2623
	23.15000	0.38000	11/14/16	2623
	27.59000		11/15/16	2623
	27.59000		11/16/16	2623
	27.59000		11/17/16	2623
	31.87000	0.00000	10/7/16	2607
	29.05000	1.04000	11/7/16	2607
	27.59000	0.45000	12/7/16	2607
	28.28000	0.14000	1/9/17	2607

	31.42000	0.10000	2/7/17	2607
	31.55000	0.09000	3/7/17	2607
	31.11000	0.08000	4/7/17	2607
	30.59000	0.03000	5/5/17	2607
	29.08000	0.02000	6/7/17	2607
	34.91000	0.01000	7/10/17	2607
	43.92000	0.00000	8/7/17	2607
	62.27000	-0.02000	9/8/17	2607
	32.66000	0.15000	10/6/17	2607
	29.18000	-0.01000	11/7/17	2607
	28.48000	0.07000	12/7/17	2607
	28.33000	0.06000	1/8/18	2607
	32.06000	-0.10000	2/7/18	2607
	31.83000	-0.10000	3/7/18	2607
	30.92000	-0.10000	4/6/18	2607
	29.41000	-0.10000	5/7/18	2607
	27.04000	-0.11000	6/7/18	2607
	32.49000	-0.10000	7/9/18	2607
	45.17000	-0.15000	8/7/18	2607
	63.71000	-0.30000	9/10/18	2607
	30.70000	-0.15000	10/5/18	2607
	28.08000	-0.15000	11/7/18	2607
	26.78000	-0.15000	12/7/18	2607
	27.50000	-0.14000	1/8/19	2607
	29.99000	-0.15000	2/7/19	2607
	29.78000	-0.17000	3/7/19	2607

	29.32000	-0.18000	4/5/19	2607
	27.84000	-0.12000	5/7/19	2607
	25.97000	-0.12000	6/7/19	2607
	31.82000	-0.14000	7/8/19	2607
	49.15000	-0.22000	8/7/19	2607
	64.95000	-0.28000	9/9/19	2607
	29.65000	-0.13000	10/7/19	2607
	26.34000	-0.11000	11/7/19	2607
	25.40000	-0.11000	12/6/19	2607
	26.56000	-0.11000	1/8/20	2607
	15.95000	0.00000	10/4/16	2635
	18.46000	0.00000	10/5/16	2635
	18.48000	0.00000	10/6/16	2635
	17.21000	0.00000	10/7/16	2635
	18.13000	0.00000	10/10/16	2635
	17.62000	0.00000	10/10/16	2635
	15.28000	0.00000	10/10/16	2635
	15.57000	0.00000	10/11/16	2635
	9.88000	0.00000	10/12/16	2635
	18.05000	-2.66000	10/13/16	2635
	21.01000	0.30000	10/14/16	2635
	21.01000	0.30000	10/17/16	2635
	16.18000	0.23000	10/17/16	2635
	16.18000	0.23000	10/17/16	2635
	21.01000	0.30000	10/18/16	2635
	21.01000	0.30000	10/19/16	2635

	21.01000	0.30000	10/20/16	2635
	21.01000	0.30000	10/21/16	2635
	21.01000	0.30000	10/24/16	2635
	16.18000	0.23000	10/24/16	2635
	16.18000	0.23000	10/24/16	2635
	21.01000	0.30000	10/25/16	2635
	21.01000	0.30000	10/26/16	2635
	21.01000	0.30000	10/27/16	2635
	21.01000	0.30000	10/28/16	2635
	21.01000	0.30000	10/31/16	2635
	16.18000	0.23000	10/31/16	2635
	16.18000	0.23000	10/31/16	2635
	21.01000	0.30000	11/1/16	2635
	21.01000	0.30000	11/2/16	2635
	21.01000	0.30000	11/3/16	2635
	21.01000	0.30000	11/4/16	2635
	21.01000	0.30000	11/7/16	2635
	16.18000	0.23000	11/7/16	2635
	16.18000	0.23000	11/7/16	2635
	21.01000	0.30000	11/8/16	2635
	19.47000	0.21000	11/9/16	2635
	19.47000	0.21000	11/10/16	2635
	19.47000	0.21000	11/11/16	2635
	19.47000	0.21000	11/14/16	2635
	16.97000	0.23000	11/14/16	2635
	16.97000	0.23000	11/14/16	2635

	19.47000		11/15/16	2635
	19.47000		11/16/16	2635
	19.47000		11/17/16	2635
	22.00000	0.00000	10/7/16	2615
	20.61000	0.30000	11/7/16	2615
	20.39000	0.28000	12/7/16	2615
	21.74000	0.09000	1/9/17	2615
	23.89000	0.08000	2/7/17	2615
	23.74000	0.07000	3/7/17	2615
	22.87000	0.06000	4/7/17	2615
	21.97000	0.02000	5/5/17	2615
	21.20000	0.01000	6/7/17	2615
	22.07000	0.01000	7/10/17	2615
	25.03000	0.00000	8/7/17	2615
	25.96000	-0.01000	9/8/17	2615
	22.92000	-0.02000	10/6/17	2615
	20.91000	-0.02000	11/7/17	2615
	20.43000	-0.03000	12/7/17	2615
	21.48000	-0.03000	1/8/18	2615
	24.48000	-0.07000	2/7/18	2615
	24.08000	-0.07000	3/7/18	2615
	23.37000	-0.07000	4/6/18	2615
	20.79000	-0.07000	5/7/18	2615
	20.14000	-0.08000	6/7/18	2615
	21.16000	-0.07000	7/9/18	2615
	23.83000	-0.08000	8/7/18	2615

	24.66000	-0.12000	9/10/18	2615
	21.71000	-0.11000	10/5/18	2615
	19.74000	-0.11000	11/7/18	2615
	19.70000	-0.11000	12/7/18	2615
	20.98000	-0.11000	1/8/19	2615
	23.50000	-0.12000	2/7/19	2615
	23.11000	-0.14000	3/7/19	2615
	22.46000	-0.14000	4/5/19	2615
	20.12000	-0.09000	5/7/19	2615
	19.68000	-0.09000	6/7/19	2615
	20.73000	-0.09000	7/8/19	2615
	23.52000	-0.10000	8/7/19	2615
	24.42000	-0.11000	9/9/19	2615
	21.43000	-0.09000	10/7/19	2615
	19.45000	-0.09000	11/7/19	2615
	19.41000	-0.08000	12/6/19	2615
	20.62000	-0.08000	1/8/20	2615
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	24.25000	1.70000	10/6/16	19133
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	22.55000	0.00000	10/10/16	19133
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	18.50000	0.00000	10/10/16	19133
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	21.22000	0.02000	10/12/16	19133

	21.22000	0.02000	10/13/16	19133
	21.22000	0.02000	10/14/16	19133
	21.22000	0.02000	10/17/16	19133
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	20.52000	0.29000	10/31/16	19133
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	22.72000	-0.41000	12/1/16	19133
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	28.86000	0.05000	12/5/16	19133

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	25.42000	0.17000	12/12/16	19133
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	28.86000		12/14/16	19133
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	22.55000	0.00000	10/10/16	409
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	21.15000	0.28000	12/7/16	2453
	21.46000	0.09000	1/9/17	2453
	23.99000	0.08000	2/7/17	2453
	23.83000	0.07000	3/7/17	2453
	23.69000	0.06000	4/7/17	2453
	23.68000	0.02000	5/5/17	2453
	23.35000	0.01000	6/7/17	2453
	24.12000	0.01000	7/10/17	2453
	26.87000	0.00000	8/7/17	2453
	27.22000	-0.01000	9/8/17	2453
	24.89000	-0.02000	10/6/17	2453
	22.95000	-0.02000	11/7/17	2453
	21.73000	-0.03000	12/7/17	2453
	21.72000	-0.03000	1/8/18	2453
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	24.06000	-0.07000	4/6/18	2453
	22.33000	-0.07000	5/7/18	2453
	21.95000	-0.08000	6/7/18	2453
	22.94000	-0.07000	7/9/18	2453
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	23.22000	-0.11000	10/5/18	2453
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	23.15000	-0.12000	2/7/19	2453
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	25.34000	-0.11000	9/9/19	2453
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	22.07000	0.01000	7/10/17	2454
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	22.92000	-0.02000	10/6/17	2454
	20.91000	-0.02000	11/7/17	2454
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	23.50000	-0.12000	2/7/19	2454

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	20.98000	-0.03000	12/7/17	2455

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	20.24000	-0.08000	12/6/19	2455
	21.28000	-0.08000	1/8/20	2455
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	19.14000	0.09000	1/9/17	2456
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	22.34000	0.07000	3/7/17	2456
	20.73000	0.06000	4/7/17	2456
	19.69000	0.02000	5/5/17	2456
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	23.79000	-0.10000	8/7/19	2456
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	17.69000	-0.09000	11/7/19	2456
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	34.90000	-0.35000	1/5/17	505
	34.70000	-0.30000	2/3/17	505
	32.40000	-0.25000	3/3/17	505
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	23.90000	0.20000	5/3/17	505
	24.55000	0.25000	6/5/17	505
	26.00000	0.00000	7/6/17	505
	29.80000	0.20000	8/3/17	505
	31.20000	0.15000	9/6/17	505
	30.75000	0.25000	10/4/17	505

	30.45000	0.35000	11/3/17	505
	30.50000	0.30000	12/5/17	505
	32.65000	0.25000	1/4/18	505
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	31.45000	0.00000	3/5/18	505
	30.30000	0.00000	4/4/18	505
	24.40000	0.00000	5/3/18	505
	23.25000	0.00000	6/5/18	505
	24.85000	0.00000	7/5/18	505
	28.45000	0.00000	8/3/18	505
	30.05000	0.00000	9/6/18	505
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	30.65000	0.00000	11/5/18	505
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	30.05000	0.00000	8/5/20	505
	30.20000	0.00000	9/3/20	505
	30.25000	0.00000	10/5/20	505
	35.00000	0.00000	11/4/20	505
	34.80000	0.00000	12/3/20	505
	35.70000	0.00000	1/6/21	505
	34.50000	0.00000	2/3/21	505
	34.60000	0.00000	3/3/21	505
	33.40000	0.00000	4/6/21	505
	22.10000	0.00000	5/5/21	505
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	20.85000	0.00000	7/6/21	505
	30.00000	0.00000	8/4/21	505
	29.90000	0.00000	9/3/21	505
	30.25000	0.00000	10/5/21	505
	35.25000	0.00000	11/3/21	505
	35.20000	0.00000	12/3/21	505
	36.50000	0.00000	1/5/22	505
	34.60000	0.00000	2/3/22	505

	34.75000	0.00000	3/3/22	505
	33.50000	0.00000	4/5/22	505
	22.25000	0.00000	5/4/22	505
	21.55000	0.00000	6/3/22	505
	21.05000	0.00000	7/6/22	505
	30.25000	0.00000	8/3/22	505
	30.20000	0.00000	9/6/22	505
	30.40000	0.00000	10/5/22	505
	35.50000	0.00000	11/3/22	505
	35.30000	0.00000	12/5/22	505
	36.60000	0.00000	1/5/23	505
	34.70000	0.00000	2/3/23	505
	34.70000	0.00000	3/3/23	505
	33.45000	0.00000	4/5/23	505
	22.25000	0.00000	5/3/23	505
	21.50000	0.00000	6/5/23	505
	21.00000	0.00000	7/6/23	505
	30.50000	0.00000	8/3/23	505
	30.35000	0.00000	9/6/23	505
	30.60000	0.00000	10/4/23	505
	35.45000	0.00000	11/3/23	505
	35.35000	0.00000	12/5/23	505
	36.65000	0.00000	1/4/24	505
	35.25000	0.00000	2/5/24	505
	35.50000	0.00000	3/5/24	505
	34.30000	0.00000	4/3/24	505

	22.85000	0.00000	5/3/24	505
	22.00000	0.00000	6/5/24	505
	21.60000	0.00000	7/3/24	505
	31.30000	0.00000	8/5/24	505
	31.05000	0.00000	9/5/24	505
	31.35000	0.00000	10/3/24	505
	36.15000	0.00000	11/5/24	505
	36.05000	0.00000	12/4/24	505
	37.40000	0.00000	1/6/25	505
	36.10000	0.00000	2/5/25	505
	36.20000	0.00000	3/5/25	505
	34.90000	0.00000	4/3/25	505
	23.30000	0.00000	5/5/25	505
	22.40000	0.00000	6/4/25	505
	22.00000	0.00000	7/3/25	505
	31.90000	0.00000	8/5/25	505
	31.75000	0.00000	9/4/25	505
	32.00000	0.00000	10/3/25	505
	36.85000	0.00000	11/5/25	505
	36.75000	0.00000	12/3/25	505
	38.15000	0.00000	1/6/26	505
	36.65000	0.00000	2/4/26	505
	36.85000	0.00000	3/4/26	505
	35.50000	0.00000	4/6/26	505
	23.70000	0.00000	5/5/26	505
	22.80000	0.00000	6/3/26	505

	22.35000	0.00000	7/6/26	505
	32.50000	0.00000	8/5/26	505
	32.40000	0.00000	9/3/26	505
	32.60000	0.00000	10/5/26	505
	37.50000	0.00000	11/4/26	505
	37.40000	0.00000	12/3/26	505
	38.75000	0.00000	1/6/27	505
	22.11000	-0.42000	10/31/16	502
	23.40000	-0.05000	11/30/16	502
	28.30000	-0.10000	12/30/16	502
	27.20000	-0.35000	1/31/17	502
	25.65000	-0.30000	2/28/17	502
	20.45000	-0.05000	3/31/17	502
	13.90000	-0.40000	4/28/17	502
	12.60000	-0.05000	5/31/17	502
	10.00000	-0.30000	6/30/17	502
	19.10000	-0.25000	7/31/17	502
	23.85000	-0.35000	8/31/17	502
	23.95000	-0.20000	9/29/17	502
	22.60000	0.30000	10/31/17	502
	24.05000	0.25000	11/30/17	502
	29.05000	0.15000	12/29/17	502
	26.75000	-0.25000	1/31/18	502
	24.95000	-0.25000	2/28/18	502
	22.30000	-0.20000	3/29/18	502
	15.25000	-0.15000	4/30/18	502

	10.80000	-0.15000	5/31/18	502
	9.85000	-0.15000	6/29/18	502
	17.40000	-0.20000	7/31/18	502
	24.15000	-0.25000	8/31/18	502
	25.25000	-0.20000	9/28/18	502
	21.60000	-0.20000	10/31/18	502
	23.60000	-0.20000	11/30/18	502
	26.20000	-0.25000	12/31/18	502
	28.15000	-0.25000	1/31/19	502
	27.00000	-0.20000	2/28/19	502
	24.20000	-0.20000	3/29/19	502
	18.05000	-0.15000	4/30/19	502
	13.40000	-0.15000	5/31/19	502
	11.10000	-0.15000	6/28/19	502
	15.15000	-0.20000	7/31/19	502
	21.95000	-0.25000	8/30/19	502
	21.35000	-0.25000	9/30/19	502
	24.50000	-0.20000	10/31/19	502
	27.30000	-0.20000	11/27/19	502
	30.00000	-0.25000	12/31/19	502
	29.75000	-0.25000	1/31/20	502
	28.20000	-0.20000	2/28/20	502
	25.30000	-0.20000	3/31/20	502
	17.15000	-0.15000	4/30/20	502
	12.05000	-0.15000	5/29/20	502
	9.80000	-0.15000	6/30/20	502

	16.05000	-0.20000	7/31/20	502
	22.95000	-0.25000	8/31/20	502
	22.85000	-0.25000	9/30/20	502
	23.70000	-0.20000	10/30/20	502
	26.65000	-0.20000	11/30/20	502
	29.15000	-0.25000	12/31/20	502
	28.50000	-0.25000	1/29/21	502
	27.10000	-0.20000	2/26/21	502
	24.00000	-0.20000	3/31/21	502
	18.90000	-0.15000	4/30/21	502
	13.15000	-0.15000	5/28/21	502
	10.60000	-0.15000	6/30/21	502
	19.90000	-0.20000	7/30/21	502
	28.55000	-0.25000	8/31/21	502
	28.15000	-0.25000	9/30/21	502
	26.75000	-0.20000	10/29/21	502
	30.05000	-0.20000	11/30/21	502
	32.75000	-0.25000	12/31/21	502
	26.05000	-0.20000	1/31/22	502
	25.00000	-0.20000	2/28/22	502
	21.90000	-0.20000	3/31/22	502
	19.80000	-0.15000	4/29/22	502
	14.15000	-0.15000	5/31/22	502
	11.45000	-0.15000	6/30/22	502
	23.35000	-0.20000	7/29/22	502
	33.35000	-0.25000	8/31/22	502

	32.65000	-0.25000	9/30/22	502
	28.55000	-0.20000	10/31/22	502
	32.00000	-0.20000	11/30/22	502
	34.75000	-0.25000	12/30/22	502
	31.95000	-0.25000	1/31/23	502
	31.50000	-0.20000	2/28/23	502
	25.65000	-0.20000	3/31/23	502
	24.00000	-0.20000	4/28/23	502
	15.50000	-0.15000	5/31/23	502
	12.00000	-0.15000	6/30/23	502
	19.30000	-0.20000	7/31/23	502
	28.20000	-0.25000	8/31/23	502
	30.10000	-0.20000	9/29/23	502
	28.35000	-0.20000	10/31/23	502
	30.90000	-0.25000	11/30/23	502
	36.70000	-0.25000	12/29/23	502
	33.15000	-0.25000	1/31/24	502
	32.70000	-0.20000	2/29/24	502
	26.65000	-0.20000	3/28/24	502
	24.95000	-0.20000	4/30/24	502
	16.00000	-0.15000	5/31/24	502
	12.40000	-0.15000	6/28/24	502
	20.05000	-0.20000	7/31/24	502
	29.30000	-0.25000	8/30/24	502
	31.35000	-0.20000	9/30/24	502
	29.40000	-0.20000	10/31/24	502

	32.10000	-0.20000	11/27/24	502
	38.15000	-0.25000	12/31/24	502
	34.40000	-0.25000	1/31/25	502
	33.90000	-0.20000	2/28/25	502
	27.60000	-0.20000	3/31/25	502
	25.85000	-0.20000	4/30/25	502
	16.65000	-0.15000	5/30/25	502
	12.85000	-0.15000	6/30/25	502
	20.75000	-0.20000	7/31/25	502
	30.35000	-0.25000	8/29/25	502
	32.40000	-0.20000	9/30/25	502
	30.50000	-0.20000	10/31/25	502
	33.30000	-0.25000	11/26/25	502
	39.60000	-0.25000	12/31/25	502
	35.60000	-0.25000	1/30/26	502
	35.10000	-0.20000	2/27/26	502
	28.60000	-0.20000	3/31/26	502
	26.75000	-0.20000	4/30/26	502
	17.25000	-0.15000	5/29/26	502
	13.40000	-0.15000	6/30/26	502
	21.45000	-0.20000	7/31/26	502
	31.45000	-0.25000	8/31/26	502
	33.55000	-0.20000	9/30/26	502
	31.55000	-0.20000	10/30/26	502
	34.50000	-0.20000	11/30/26	502
	41.00000	-0.25000	12/31/26	502

	25.00000	0.00000	10/4/16	3969
	24.15000	0.34000	11/2/16	3969
	24.90000	0.00000	12/2/16	3969
	29.90000	0.20000	1/4/17	3969
	44.10000	0.20000	2/2/17	3969
	40.00000	0.15000	3/2/17	3969
	30.40000	0.00000	4/4/17	3969
	24.95000	0.00000	5/2/17	3969
	21.80000	0.25000	6/2/17	3969
	21.55000	0.00000	7/5/17	3969
	24.50000	0.00000	8/2/17	3969
	22.40000	0.00000	9/5/17	3969
	21.60000	0.00000	10/3/17	3969
	22.90000	0.00000	11/2/17	3969
	23.05000	0.00000	12/4/17	3969
	27.15000	0.00000	1/3/18	3969
	42.55000	0.15000	2/2/18	3969
	39.05000	0.15000	3/2/18	3969
	28.20000	0.05000	4/3/18	3969
	24.55000	0.05000	5/2/18	3969
	20.40000	0.00000	6/4/18	3969
	20.70000	0.00000	7/3/18	3969
	22.75000	0.05000	8/2/18	3969
	22.30000	0.05000	9/5/18	3969
	19.80000	0.00000	10/2/18	3969
	21.40000	0.00000	11/2/18	3969

	22.10000	0.05000	12/4/18	3969
	24.30000	0.05000	1/3/19	3969
	41.10000	0.05000	2/4/19	3969
	38.55000	0.05000	3/4/19	3969
	27.25000	0.05000	4/2/19	3969
	23.30000	0.05000	5/2/19	3969
	20.95000	0.05000	6/4/19	3969
	20.85000	0.05000	7/2/19	3969
	23.65000	0.05000	8/2/19	3969
	23.05000	0.05000	9/4/19	3969
	20.45000	0.05000	10/2/19	3969
	20.65000	0.05000	11/4/19	3969
	21.75000	0.05000	12/3/19	3969
	22.75000	0.05000	1/3/20	3969
	40.20000	0.05000	2/4/20	3969
	37.60000	0.05000	3/3/20	3969
	27.70000	0.05000	4/2/20	3969
	22.85000	0.05000	5/4/20	3969
	21.15000	0.05000	6/2/20	3969
	21.15000	0.05000	7/2/20	3969
	22.80000	0.05000	8/4/20	3969
	22.35000	0.05000	9/2/20	3969
	19.45000	0.05000	10/2/20	3969
	21.05000	0.05000	11/3/20	3969
	21.25000	0.05000	12/2/20	3969
	24.40000	0.05000	1/5/21	3969

	41.20000	0.10000	2/2/21	3969
	37.95000	0.05000	3/2/21	3969
	27.30000	0.05000	4/5/21	3969
	22.55000	0.05000	5/4/21	3969
	20.85000	0.05000	6/2/21	3969
	20.85000	0.05000	7/2/21	3969
	22.90000	0.05000	8/3/21	3969
	22.45000	0.05000	9/2/21	3969
	20.00000	0.05000	10/4/21	3969
	20.90000	0.05000	11/2/21	3969
	21.20000	0.05000	12/2/21	3969
	23.95000	0.05000	1/4/22	3969
	41.75000	0.05000	2/2/22	3969
	38.80000	0.05000	3/2/22	3969
	27.50000	0.05000	4/4/22	3969
	24.10000	0.05000	5/3/22	3969
	21.60000	0.05000	6/2/22	3969
	21.70000	0.05000	7/5/22	3969
	24.05000	0.05000	8/2/22	3969
	22.75000	0.05000	9/2/22	3969
	20.50000	0.05000	10/4/22	3969
	21.65000	0.05000	11/2/22	3969
	21.95000	0.05000	12/2/22	3969
	24.30000	0.05000	1/4/23	3969
	42.70000	0.05000	2/2/23	3969
	40.20000	0.05000	3/2/23	3969

	29.70000	0.05000	4/4/23	3969
	26.25000	0.05000	5/2/23	3969
	21.70000	0.05000	6/2/23	3969
	21.75000	0.05000	7/5/23	3969
	25.15000	0.05000	8/2/23	3969
	23.65000	0.05000	9/5/23	3969
	21.85000	0.05000	10/3/23	3969
	22.90000	0.05000	11/2/23	3969
	23.05000	0.05000	12/4/23	3969
	25.00000	0.05000	1/3/24	3969
	44.65000	0.05000	2/2/24	3969
	42.15000	0.05000	3/4/24	3969
	27.35000	0.05000	4/2/24	3969
	24.65000	0.05000	5/2/24	3969
	23.10000	0.05000	6/4/24	3969
	23.15000	0.05000	7/2/24	3969
	26.50000	0.05000	8/2/24	3969
	25.20000	0.05000	9/4/24	3969
	22.60000	0.05000	10/2/24	3969
	24.10000	0.05000	11/4/24	3969
	23.95000	0.05000	12/3/24	3969
	25.25000	0.05000	1/3/25	3969
	48.50000	0.10000	2/4/25	3969
	44.30000	0.05000	3/4/25	3969
	31.00000	0.05000	4/2/25	3969
	27.45000	0.05000	5/2/25	3969

	22.65000	0.05000	6/3/25	3969
	23.20000	0.05000	7/2/25	3969
	25.40000	0.05000	8/4/25	3969
	24.90000	0.05000	9/3/25	3969
	23.25000	0.05000	10/2/25	3969
	23.75000	0.05000	11/4/25	3969
	23.95000	0.05000	12/2/25	3969
	28.25000	0.05000	1/5/26	3969
	17.43000	0.00000	10/4/16	5293
	14.35000	-0.52000	11/2/16	5293
	18.45000	0.00000	12/2/16	5293
	28.55000	-1.30000	1/4/17	5293
	38.25000	0.20000	2/2/17	5293
	34.80000	0.15000	3/2/17	5293
	26.15000	0.00000	4/4/17	5293
	18.30000	0.00000	5/2/17	5293
	17.50000	0.25000	6/2/17	5293
	17.25000	0.00000	7/5/17	5293
	23.60000	0.00000	8/2/17	5293
	21.85000	0.00000	9/5/17	5293
	19.30000	0.00000	10/3/17	5293
	18.15000	0.00000	11/2/17	5293
	21.35000	0.00000	12/4/17	5293
	26.80000	0.00000	1/3/18	5293
	35.40000	-0.20000	2/2/18	5293
	32.20000	-0.20000	3/2/18	5293

	26.95000	-0.25000	4/3/18	5293
	18.10000	-0.15000	5/2/18	5293
	17.95000	-0.15000	6/4/18	5293
	19.05000	-0.20000	7/3/18	5293
	22.65000	-0.20000	8/2/18	5293
	22.00000	-0.20000	9/5/18	5293
	17.75000	-0.15000	10/2/18	5293
	19.60000	-0.20000	11/2/18	5293
	21.05000	-0.20000	12/4/18	5293
	23.60000	-0.20000	1/3/19	5293
	35.30000	-0.30000	2/4/19	5293
	33.80000	-0.30000	3/4/19	5293
	25.45000	-0.20000	4/2/19	5293
	17.70000	-0.15000	5/2/19	5293
	18.05000	-0.15000	6/4/19	5293
	19.05000	-0.15000	7/2/19	5293
	23.80000	-0.20000	8/2/19	5293
	23.35000	-0.20000	9/4/19	5293
	20.10000	-0.15000	10/2/19	5293
	19.25000	-0.15000	11/4/19	5293
	20.85000	-0.15000	12/3/19	5293
	22.55000	-0.20000	1/3/20	5293
	34.70000	-0.25000	2/4/20	5293
	32.25000	-0.25000	3/3/20	5293
	26.00000	-0.20000	4/2/20	5293
	17.95000	-0.15000	5/4/20	5293

	18.10000	-0.15000	6/2/20	5293
	19.40000	-0.15000	7/2/20	5293
	23.80000	-0.20000	8/4/20	5293
	23.15000	-0.20000	9/2/20	5293
	19.20000	-0.15000	10/2/20	5293
	19.90000	-0.15000	11/3/20	5293
	21.15000	-0.15000	12/2/20	5293
	24.75000	-0.20000	1/5/21	5293
	34.75000	-0.25000	2/2/21	5293
	32.30000	-0.25000	3/2/21	5293
	23.85000	-0.20000	4/5/21	5293
	17.65000	-0.15000	5/4/21	5293
	18.20000	-0.15000	6/2/21	5293
	20.20000	-0.15000	7/2/21	5293
	23.95000	-0.20000	8/3/21	5293
	23.30000	-0.20000	9/2/21	5293
	20.20000	-0.15000	10/4/21	5293
	20.90000	-0.15000	11/2/21	5293
	20.85000	-0.15000	12/2/21	5293
	23.85000	-0.20000	1/4/22	5293
	20.53000	0.00000	10/4/16	5295
	17.30000	-0.52000	11/2/16	5295
	22.45000	0.00000	12/2/16	5295
	34.65000	-1.30000	1/4/17	5295
	56.50000	0.20000	2/2/17	5295
	53.30000	0.15000	3/2/17	5295

	37.40000	0.00000	4/4/17	5295
	22.45000	0.00000	5/2/17	5295
	20.30000	0.25000	6/2/17	5295
	20.25000	0.00000	7/5/17	5295
	25.45000	0.00000	8/2/17	5295
	23.80000	0.00000	9/5/17	5295
	20.75000	0.00000	10/3/17	5295
	20.80000	0.00000	11/2/17	5295
	25.90000	0.00000	12/4/17	5295
	35.90000	0.00000	1/3/18	5295
	57.30000	-0.20000	2/2/18	5295
	52.70000	-0.20000	3/2/18	5295
	36.30000	-0.25000	4/3/18	5295
	21.85000	-0.15000	5/2/18	5295
	18.90000	-0.15000	6/4/18	5295
	20.45000	-0.20000	7/3/18	5295
	26.20000	-0.20000	8/2/18	5295
	24.90000	-0.20000	9/5/18	5295
	20.30000	-0.15000	10/2/18	5295
	22.00000	-0.20000	11/2/18	5295
	26.20000	-0.20000	12/4/18	5295
	34.40000	-0.20000	1/3/19	5295
	57.55000	-0.30000	2/4/19	5295
	52.90000	-0.30000	3/4/19	5295
	35.45000	-0.20000	4/2/19	5295
	21.95000	-0.15000	5/2/19	5295

	19.15000	-0.15000	6/4/19	5295
	20.75000	-0.15000	7/2/19	5295
	27.75000	-0.20000	8/2/19	5295
	27.15000	-0.20000	9/4/19	5295
	22.85000	-0.15000	10/2/19	5295
	22.10000	-0.15000	11/4/19	5295
	27.05000	-0.15000	12/3/19	5295
	33.95000	-0.20000	1/3/20	5295
	55.65000	-0.25000	2/4/20	5295
	51.50000	-0.25000	3/3/20	5295
	35.85000	-0.20000	4/2/20	5295
	21.15000	-0.15000	5/4/20	5295
	20.25000	-0.15000	6/2/20	5295
	22.00000	-0.15000	7/2/20	5295
	27.70000	-0.20000	8/4/20	5295
	26.00000	-0.20000	9/2/20	5295
	22.00000	-0.15000	10/2/20	5295
	23.25000	-0.15000	11/3/20	5295
	26.55000	-0.15000	12/2/20	5295
	34.90000	-0.20000	1/5/21	5295
	58.80000	-0.25000	2/2/21	5295
	53.85000	-0.25000	3/2/21	5295
	36.30000	-0.20000	4/5/21	5295
	22.35000	-0.15000	5/4/21	5295
	19.10000	-0.15000	6/2/21	5295
	21.10000	-0.15000	7/2/21	5295

	26.60000	-0.20000	8/3/21	5295
	25.45000	-0.20000	9/2/21	5295
	21.80000	-0.15000	10/4/21	5295
	22.55000	-0.15000	11/2/21	5295
	26.00000	-0.15000	12/2/21	5295
	34.85000	-0.20000	1/4/22	5295
	21.20000	0.00000	10/4/16	5297
	18.16000	-0.53000	11/2/16	5297
	23.30000	0.00000	12/2/16	5297
	35.40000	-1.30000	1/4/17	5297
	58.15000	0.20000	2/2/17	5297
	54.65000	0.15000	3/2/17	5297
	39.35000	0.00000	4/4/17	5297
	23.40000	0.00000	5/2/17	5297
	21.65000	0.25000	6/2/17	5297
	21.55000	0.00000	7/5/17	5297
	27.95000	0.00000	8/2/17	5297
	26.15000	0.00000	9/5/17	5297
	21.50000	0.00000	10/3/17	5297
	21.10000	0.00000	11/2/17	5297
	26.20000	0.00000	12/4/17	5297
	36.40000	0.00000	1/3/18	5297
	59.85000	-0.20000	2/2/18	5297
	55.50000	-0.20000	3/2/18	5297
	37.05000	-0.25000	4/3/18	5297
	23.30000	-0.15000	5/2/18	5297

	20.05000	-0.15000	6/4/18	5297
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	29.15000	-0.20000	8/2/18	5297
	28.25000	-0.20000	9/5/18	5297
	20.20000	-0.15000	10/2/18	5297
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	53.90000	-0.30000	3/4/19	5297
	35.05000	-0.20000	4/2/19	5297
	22.60000	-0.15000	5/2/19	5297
	19.60000	-0.15000	6/4/19	5297
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	29.75000	-0.20000	8/2/19	5297
	29.45000	-0.20000	9/4/19	5297
	22.00000	-0.15000	10/2/19	5297
	23.00000	-0.15000	11/4/19	5297
	27.75000	-0.15000	12/3/19	5297
	34.05000	-0.20000	1/3/20	5297
	59.15000	-0.25000	2/4/20	5297
	54.75000	-0.25000	3/3/20	5297
	36.50000	-0.20000	4/2/20	5297
	23.00000	-0.15000	5/4/20	5297
	19.50000	-0.15000	6/2/20	5297
	22.15000	-0.15000	7/2/20	5297

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	27.90000	-0.20000	9/2/20	5297
	20.70000	-0.15000	10/2/20	5297
	24.05000	-0.15000	11/3/20	5297
	28.20000	-0.15000	12/2/20	5297
	34.75000	-0.20000	1/5/21	5297
	58.90000	-0.25000	2/2/21	5297
	54.45000	-0.25000	3/2/21	5297
	35.45000	-0.20000	4/5/21	5297
	22.85000	-0.15000	5/4/21	5297
	19.40000	-0.15000	6/2/21	5297
	22.25000	-0.15000	7/2/21	5297
	28.45000	-0.20000	8/3/21	5297
	27.70000	-0.20000	9/2/21	5297
	20.75000	-0.15000	10/4/21	5297
	23.25000	-0.15000	11/2/21	5297
	26.45000	-0.15000	12/2/21	5297
	34.50000	-0.20000	1/4/22	5297
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	30.28000	-0.33000	11/3/16	504
	31.40000	0.20000	12/5/16	504
	35.50000	-0.35000	1/5/17	504
	36.00000	-0.30000	2/3/17	504
	33.65000	-0.25000	3/3/17	504
	28.40000	0.00000	4/5/17	504
	24.85000	0.20000	5/3/17	504

	25.85000	0.25000	6/5/17	504
	27.55000	0.00000	7/6/17	504
	30.00000	0.20000	8/3/17	504
	31.85000	0.15000	9/6/17	504
	30.90000	0.25000	10/4/17	504
	31.30000	0.35000	11/3/17	504
	31.55000	0.30000	12/5/17	504
	33.75000	0.25000	1/4/18	504
	32.85000	0.00000	2/5/18	504
	32.45000	0.00000	3/5/18	504
	30.70000	0.00000	4/4/18	504
	24.65000	0.00000	5/3/18	504
	24.00000	0.00000	6/5/18	504
	25.70000	0.00000	7/5/18	504
	28.00000	0.00000	8/3/18	504
	29.85000	0.00000	9/6/18	504
	29.45000	0.00000	10/3/18	504
	31.45000	0.00000	11/5/18	504
	31.65000	0.00000	12/5/18	504
	32.75000	0.00000	1/4/19	504
	33.45000	0.00000	2/5/19	504
	33.00000	0.00000	3/5/19	504
	30.90000	0.00000	4/3/19	504
	22.75000	0.00000	5/3/19	504
	22.50000	0.00000	6/5/19	504
	22.50000	0.00000	7/3/19	504

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	32.90000	0.00000	10/3/19	504
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	36.15000	0.00000	1/6/20	504
	33.50000	0.00000	2/5/20	504
	33.10000	0.00000	3/4/20	504
	31.00000	0.00000	4/3/20	504
	22.75000	0.00000	5/5/20	504
	22.50000	0.00000	6/3/20	504
	22.45000	0.00000	7/6/20	504
	30.60000	0.00000	8/5/20	504
	33.00000	0.00000	9/3/20	504
	32.90000	0.00000	10/5/20	504
	34.80000	0.00000	11/4/20	504
	35.05000	0.00000	12/3/20	504
	36.20000	0.00000	1/6/21	504
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	24.15000	0.34000	11/2/16	316
	24.90000	0.00000	12/2/16	316
	29.90000	0.20000	1/4/17	316
	44.10000	0.20000	2/2/17	316
	40.00000	0.15000	3/2/17	316
	30.40000	0.00000	4/4/17	316
	24.95000	0.00000	5/2/17	316

	21.80000	0.25000	6/2/17	316
	21.55000	0.00000	7/5/17	316
	24.50000	0.00000	8/2/17	316
	22.40000	0.00000	9/5/17	316
	21.60000	0.00000	10/3/17	316
	22.90000	0.00000	11/2/17	316
	23.05000	0.00000	12/4/17	316
	27.15000	0.00000	1/3/18	316
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	39.05000	0.15000	3/2/18	316
	28.20000	0.05000	4/3/18	316
	24.55000	0.05000	5/2/18	316
	20.40000	0.00000	6/4/18	316
	20.70000	0.00000	7/3/18	316
	22.75000	0.05000	8/2/18	316
	22.30000	0.05000	9/5/18	316
	19.80000	0.00000	10/2/18	316
	21.40000	0.00000	11/2/18	316
	22.10000	0.05000	12/4/18	316
	24.30000	0.05000	1/3/19	316
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	20.95000	0.05000	6/4/19	316
	20.85000	0.05000	7/2/19	316

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	23.05000	0.05000	9/4/19	316
	20.45000	0.05000	10/2/19	316
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	21.75000	0.05000	12/3/19	316
	22.75000	0.05000	1/3/20	316
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	37.60000	0.05000	3/3/20	316
	27.70000	0.05000	4/2/20	316
	22.85000	0.05000	5/4/20	316
	21.15000	0.05000	6/2/20	316
	21.15000	0.05000	7/2/20	316
	22.80000	0.05000	8/4/20	316
	22.35000	0.05000	9/2/20	316
	19.45000	0.05000	10/2/20	316
	21.05000	0.05000	11/3/20	316
	21.25000	0.05000	12/2/20	316
	24.40000	0.05000	1/5/21	316
	41.20000	0.10000	2/2/21	316
	37.95000	0.05000	3/2/21	316
	27.30000	0.05000	4/5/21	316
	22.55000	0.05000	5/4/21	316
	20.85000	0.05000	6/2/21	316
	20.85000	0.05000	7/2/21	316
	22.90000	0.05000	8/3/21	316
	22.45000	0.05000	9/2/21	316

	20.00000	0.05000	10/4/21	316
	20.90000	0.05000	11/2/21	316
	21.20000	0.05000	12/2/21	316
	23.95000	0.05000	1/4/22	316
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	27.50000	0.05000	4/4/22	316
	24.10000	0.05000	5/3/22	316
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	22.75000	0.05000	9/2/22	316
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	22.90000	0.05000	11/2/23	316

	23.05000	0.05000	12/4/23	316
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	24.10000	0.05000	11/4/24	316
	23.95000	0.05000	12/3/24	316
	25.25000	0.05000	1/3/25	316
	48.50000	0.10000	2/4/25	316
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	22.65000	0.05000	6/3/25	316
	23.20000	0.05000	7/2/25	316
	25.40000	0.05000	8/4/25	316
	24.90000	0.05000	9/3/25	316
	23.25000	0.05000	10/2/25	316
	23.75000	0.05000	11/4/25	316
	23.95000	0.05000	12/2/25	316
	28.25000	0.05000	1/5/26	316

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	27.25000	-0.70000	1/31/17	503
	26.00000	-0.75000	2/28/17	503
	22.35000	-0.10000	3/31/17	503
	19.05000	0.00000	4/28/17	503
	20.45000	0.00000	5/31/17	503
	22.30000	-0.25000	6/30/17	503
	24.95000	-0.10000	7/31/17	503
	25.10000	-0.15000	8/31/17	503
	24.95000	-0.05000	9/29/17	503
	23.15000	0.05000	10/31/17	503
	23.30000	0.00000	11/30/17	503
	26.45000	-0.05000	12/29/17	503
	25.80000	-0.05000	1/31/18	503
	26.40000	-0.05000	2/28/18	503
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	19.20000	-0.05000	5/31/18	503
	21.60000	-0.05000	6/29/18	503
	24.15000	-0.05000	7/31/18	503
	24.20000	-0.05000	8/31/18	503
	25.00000	-0.05000	9/28/18	503
	24.95000	-0.05000	10/31/18	503
	26.05000	-0.05000	11/30/18	503

	27.70000	-0.05000	12/31/18	503
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	27.75000	0.00000	2/28/19	503
	26.05000	0.00000	3/29/19	503
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	16.80000	0.00000	6/28/19	503
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	26.10000	0.00000	8/30/19	503
	26.95000	0.00000	9/30/19	503
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	28.50000	0.00000	11/27/19	503
	30.00000	0.00000	12/31/19	503
	28.60000	0.00000	1/31/20	503
	28.55000	0.00000	2/28/20	503
	27.15000	0.00000	3/31/20	503
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	17.20000	0.00000	5/29/20	503
	17.55000	0.00000	6/30/20	503
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	30.80000	0.00000	1/29/21	503

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	28.50000	0.00000	9/29/23	503
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	34.65000	0.00000	11/30/23	503
	36.35000	0.00000	12/29/23	503
	34.60000	0.00000	1/31/24	503
	35.35000	0.00000	2/29/24	503
	32.70000	0.00000	3/28/24	503
	21.40000	0.00000	4/30/24	503
	21.60000	0.00000	5/31/24	503
	22.55000	0.00000	6/28/24	503
	31.00000	0.00000	7/31/24	503
	28.70000	0.00000	8/30/24	503
	29.95000	0.00000	9/30/24	503
	34.00000	0.00000	10/31/24	503
	36.00000	0.00000	11/27/24	503
	37.90000	0.00000	12/31/24	503
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	36.30000	0.00000	2/28/25	503
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	22.80000	0.00000	5/30/25	503

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	31.80000	0.00000	7/31/25	503
	29.55000	0.00000	8/29/25	503
	30.90000	0.00000	9/30/25	503
	34.90000	0.00000	10/31/25	503
	36.95000	0.00000	11/26/25	503
	38.80000	0.00000	12/31/25	503
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	37.05000	0.00000	2/27/26	503
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	23.95000	0.00000	5/29/26	503
	24.85000	0.00000	6/30/26	503
	32.60000	0.00000	7/31/26	503
	30.35000	0.00000	8/31/26	503
	31.70000	0.00000	9/30/26	503
	35.65000	0.00000	10/30/26	503
	37.85000	0.00000	11/30/26	503
	39.50000	0.00000	12/31/26	503
	12.25000	0.00000	6/27/17	19108
	12.25000	0.00000	7/26/17	19108
	12.75000	0.00000	6/26/18	19109
	12.75000	0.00000	7/26/18	19109
	14.00000	0.00000	6/25/19	19110
	14.00000	0.00000	7/26/19	19110
	34.19000	0.00000	10/4/16	15870

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	33.35000	0.50000	10/7/16	15870
	33.35000	0.50000	10/10/16	15870
	27.50000	0.00000	10/10/16	15870
	27.50000	0.00000	10/10/16	15870
	33.35000	0.50000	10/11/16	15870
	33.35000	0.50000	10/12/16	15870
	33.35000	0.50000	10/13/16	15870
	33.35000	0.50000	10/14/16	15870
	33.35000	0.50000	10/17/16	15870
	28.91000	0.55000	10/17/16	15870
	28.91000	0.55000	10/17/16	15870
	33.35000	0.50000	10/18/16	15870
	33.35000	0.50000	10/19/16	15870
	33.35000	0.50000	10/20/16	15870
	33.35000	0.50000	10/21/16	15870
	33.35000	0.50000	10/24/16	15870
	28.91000	0.55000	10/24/16	15870
	28.91000	0.55000	10/24/16	15870
	33.35000	0.50000	10/25/16	15870
	33.35000	0.50000	10/26/16	15870
	33.35000	0.50000	10/27/16	15870
	33.35000	0.50000	10/28/16	15870
	33.35000	0.50000	10/31/16	15870
	28.91000	0.55000	10/31/16	15870

	28.91000	0.55000	10/31/16	15870
	33.35000	0.50000	11/1/16	15870
	34.15000	0.55000	11/2/16	15870
	34.15000	0.55000	11/3/16	15870
	34.15000	0.55000	11/4/16	15870
	34.15000	0.55000	11/7/16	15870
	29.03000	0.47000	11/7/16	15870
	29.03000	0.47000	11/7/16	15870
	34.15000	0.55000	11/8/16	15870
	34.15000	0.55000	11/9/16	15870
	34.15000	0.55000	11/10/16	15870
	34.15000	0.55000	11/11/16	15870
	34.15000	0.55000	11/14/16	15870
	29.03000	0.47000	11/14/16	15870
	29.03000	0.47000	11/14/16	15870
	34.15000		11/15/16	15870
	34.15000		11/16/16	15870
	34.15000		11/17/16	15870
	22.58000	0.00000	10/4/16	15871
	22.27000	-0.48000	10/5/16	15871
	22.75000	-0.47000	10/6/16	15871
	23.53000	0.31000	10/7/16	15871
	23.53000	0.31000	10/10/16	15871
	19.60000	0.00000	10/10/16	15871
	19.60000	0.00000	10/10/16	15871
	23.53000	0.31000	10/11/16	15871

	23.53000	0.31000	10/12/16	15871
	23.53000	0.31000	10/13/16	15871
	23.53000	0.31000	10/14/16	15871
	23.53000	0.31000	10/17/16	15871
	21.02000	0.21000	10/17/16	15871
	21.02000	0.21000	10/17/16	15871
	23.53000	0.31000	10/18/16	15871
	23.53000	0.31000	10/19/16	15871
	23.53000	0.31000	10/20/16	15871
	23.53000	0.31000	10/21/16	15871
	23.53000	0.31000	10/24/16	15871
	21.02000	0.21000	10/24/16	15871
	21.02000	0.21000	10/24/16	15871
	23.53000	0.31000	10/25/16	15871
	23.53000	0.31000	10/26/16	15871
	23.53000	0.31000	10/27/16	15871
	23.53000	0.31000	10/28/16	15871
	23.53000	0.31000	10/31/16	15871
	21.02000	0.21000	10/31/16	15871
	21.02000	0.21000	10/31/16	15871
	23.53000	0.31000	11/1/16	15871
	22.89000	-0.40000	11/2/16	15871
	22.89000	-0.40000	11/3/16	15871
	22.89000	-0.40000	11/4/16	15871
	22.89000	-0.40000	11/7/16	15871
	21.12000	0.00000	11/7/16	15871

	21.12000	0.00000	11/7/16	15871
	22.89000	-0.40000	11/8/16	15871
	22.89000	-0.40000	11/9/16	15871
	22.89000	-0.40000	11/10/16	15871
	22.89000	-0.40000	11/11/16	15871
	22.89000	-0.40000	11/14/16	15871
	21.12000	0.00000	11/14/16	15871
	21.12000	0.00000	11/14/16	15871
	22.89000		11/15/16	15871
	22.89000		11/16/16	15871
	22.89000		11/17/16	15871
	33.43000	0.00000	10/4/16	15554
	34.45000	-0.85000	10/5/16	15554
	37.20000	3.05000	10/6/16	15554
	34.65000	0.50000	10/7/16	15554
	34.65000	0.50000	10/10/16	15554
	30.10000	0.00000	10/10/16	15554
	30.10000	0.00000	10/10/16	15554
	34.65000	0.50000	10/11/16	15554
	34.65000	0.50000	10/12/16	15554
	34.65000	0.50000	10/13/16	15554
	34.65000	0.50000	10/14/16	15554
	34.65000	0.50000	10/17/16	15554
	29.50000	0.46000	10/17/16	15554
	29.50000	0.46000	10/17/16	15554
	34.65000	0.50000	10/18/16	15554

	34.65000	0.50000	10/19/16	15554
	34.65000	0.50000	10/20/16	15554
	34.65000	0.50000	10/21/16	15554
	34.65000	0.50000	10/24/16	15554
	29.50000	0.46000	10/24/16	15554
	29.50000	0.46000	10/24/16	15554
	34.65000	0.50000	10/25/16	15554
	34.65000	0.50000	10/26/16	15554
	34.65000	0.50000	10/27/16	15554
	34.65000	0.50000	10/28/16	15554
	34.65000	0.50000	10/31/16	15554
	29.50000	0.46000	10/31/16	15554
	29.50000	0.46000	10/31/16	15554
	34.65000	0.50000	11/1/16	15554
	35.55000	0.55000	11/2/16	15554
	35.55000	0.55000	11/3/16	15554
	35.55000	0.55000	11/4/16	15554
	35.55000	0.55000	11/7/16	15554
	30.22000	0.47000	11/7/16	15554
	30.22000	0.47000	11/7/16	15554
	35.55000	0.55000	11/8/16	15554
	35.55000	0.55000	11/9/16	15554
	35.55000	0.55000	11/10/16	15554
	35.55000	0.55000	11/11/16	15554
	35.55000	0.55000	11/14/16	15554
	30.22000	0.47000	11/14/16	15554

	30.22000	0.47000	11/14/16	15554
	35.55000		11/15/16	15554
	35.55000		11/16/16	15554
	35.55000		11/17/16	15554
	21.74000	0.00000	10/4/16	15555
	21.46000	-3.54000	10/5/16	15555
	25.00000	3.35000	10/6/16	15555
	21.95000	0.30000	10/7/16	15555
	21.95000	0.30000	10/10/16	15555
	19.60000	0.00000	10/10/16	15555
	19.60000	0.00000	10/10/16	15555
	21.95000	0.30000	10/11/16	15555
	21.95000	0.30000	10/12/16	15555
	21.95000	0.30000	10/13/16	15555
	21.95000	0.30000	10/14/16	15555
	21.95000	0.30000	10/17/16	15555
	20.74000	0.20000	10/17/16	15555
	20.74000	0.20000	10/17/16	15555
	21.95000	0.30000	10/18/16	15555
	21.95000	0.30000	10/19/16	15555
	21.95000	0.30000	10/20/16	15555
	21.95000	0.30000	10/21/16	15555
	21.95000	0.30000	10/24/16	15555
	20.74000	0.20000	10/24/16	15555
	20.74000	0.20000	10/24/16	15555
	21.95000	0.30000	10/25/16	15555

	21.95000	0.30000	10/26/16	15555
	21.95000	0.30000	10/27/16	15555
	21.95000	0.30000	10/28/16	15555
	21.95000	0.30000	10/31/16	15555
	20.74000	0.20000	10/31/16	15555
	20.74000	0.20000	10/31/16	15555
	21.95000	0.30000	11/1/16	15555
	21.87000	-0.40000	11/2/16	15555
	21.87000	-0.40000	11/3/16	15555
	21.87000	-0.40000	11/4/16	15555
	21.87000	-0.40000	11/7/16	15555
	21.12000	0.00000	11/7/16	15555
	21.12000	0.00000	11/7/16	15555
	21.87000		11/8/16	15555
	21.87000		11/9/16	15555
	21.87000		11/10/16	15555
	37.38000	0.00000	10/4/16	15868
	34.01000	0.65000	11/2/16	15868
	34.15000	0.55000	12/2/16	15868
	36.90000	0.50000	1/4/17	15868
	46.80000	0.25000	2/2/17	15868
	46.25000	0.30000	3/2/17	15868
	39.30000	0.45000	4/4/17	15868
	34.70000	0.10000	5/2/17	15868
	35.25000	0.15000	6/2/17	15868
	35.95000	0.10000	7/5/17	15868

	42.30000	0.05000	8/2/17	15868
	39.95000	0.05000	9/5/17	15868
	34.35000	0.15000	10/3/17	15868
	32.40000	0.15000	11/2/17	15868
	32.70000	0.30000	12/4/17	15868
	36.25000	0.20000	1/3/18	15868
	48.35000	0.30000	2/2/18	15868
	43.55000	0.30000	3/2/18	15868
	36.85000	0.10000	4/3/18	15868
	32.00000	0.10000	5/2/18	15868
	33.15000	0.00000	6/4/18	15868
	33.35000	0.00000	7/3/18	15868
	43.20000	0.00000	8/2/18	15868
	37.60000	0.00000	9/5/18	15868
	31.65000	0.15000	10/2/18	15868
	30.70000	0.00000	11/2/18	15868
	30.35000	0.00000	12/4/18	15868
	33.00000	0.00000	1/3/19	15868
	48.55000	-0.15000	2/4/19	15868
	44.15000	-0.10000	3/4/19	15868
	35.60000	-0.10000	4/2/19	15868
	31.80000	-0.05000	5/2/19	15868
	31.20000	-0.05000	6/4/19	15868
	33.00000	0.30000	7/2/19	15868
	41.35000	-0.10000	8/2/19	15868
	36.15000	-0.10000	9/4/19	15868

	31.65000	-0.05000	10/2/19	15868
	29.70000	-0.05000	11/4/19	15868
	30.10000	-0.05000	12/3/19	15868
	31.75000	-0.10000	1/3/20	15868
	48.25000	-0.15000	2/4/20	15868
	43.25000	-0.10000	3/3/20	15868
	35.25000	-0.10000	4/2/20	15868
	31.45000	-0.05000	5/4/20	15868
	31.95000	-0.10000	6/2/20	15868
	33.05000	0.30000	7/2/20	15868
	40.70000	-0.10000	8/4/20	15868
	36.55000	-0.10000	9/2/20	15868
	31.15000	-0.05000	10/2/20	15868
	29.95000	-0.05000	11/3/20	15868
	30.20000	-0.05000	12/2/20	15868
	32.80000	-0.10000	1/5/21	15868
	22.96000	0.00000	10/4/16	15869
	24.73000	0.24000	11/2/16	15869
	24.85000	0.00000	12/2/16	15869
	28.95000	0.20000	1/4/17	15869
	38.10000	0.10000	2/2/17	15869
	34.55000	0.10000	3/2/17	15869
	29.30000	0.00000	4/4/17	15869
	25.50000	0.00000	5/2/17	15869
	22.45000	0.25000	6/2/17	15869
	22.75000	0.00000	7/5/17	15869

	24.75000	0.00000	8/2/17	15869
	22.35000	0.00000	9/5/17	15869
	21.65000	0.00000	10/3/17	15869
	22.80000	0.00000	11/2/17	15869
	22.95000	0.00000	12/4/17	15869
	26.90000	0.00000	1/3/18	15869
	37.80000	0.15000	2/2/18	15869
	33.85000	0.15000	3/2/18	15869
	28.60000	0.05000	4/3/18	15869
	25.15000	0.05000	5/2/18	15869
	20.65000	0.00000	6/4/18	15869
	20.95000	0.00000	7/3/18	15869
	23.15000	0.05000	8/2/18	15869
	22.45000	0.05000	9/5/18	15869
	20.10000	0.00000	10/2/18	15869
	21.45000	0.05000	11/2/18	15869
	22.05000	0.05000	12/4/18	15869
	24.35000	0.05000	1/3/19	15869
	37.00000	0.05000	2/4/19	15869
	35.10000	0.05000	3/4/19	15869
	28.35000	0.05000	4/2/19	15869
	23.55000	0.05000	5/2/19	15869
	21.95000	0.05000	6/4/19	15869
	21.65000	0.05000	7/2/19	15869
	23.60000	0.05000	8/2/19	15869
	22.90000	0.05000	9/4/19	15869

	21.60000	0.05000	10/2/19	15869
	21.15000	0.05000	11/4/19	15869
	22.15000	0.05000	12/3/19	15869
	23.40000	0.05000	1/3/20	15869
	36.30000	0.05000	2/4/20	15869
	34.30000	0.05000	3/3/20	15869
	28.85000	0.05000	4/2/20	15869
	23.55000	0.05000	5/4/20	15869
	21.70000	0.05000	6/2/20	15869
	22.60000	0.05000	7/2/20	15869
	22.75000	0.05000	8/4/20	15869
	22.00000	0.05000	9/2/20	15869
	20.60000	0.05000	10/2/20	15869
	22.15000	0.05000	11/3/20	15869
	22.45000	0.05000	12/2/20	15869
	25.85000	0.05000	1/5/21	15869
	38.82000	0.00000	10/4/16	5752
	34.70000	0.53000	11/2/16	5752
	35.55000	0.55000	12/2/16	5752
	38.30000	0.50000	1/4/17	5752
	48.65000	0.25000	2/2/17	5752
	46.60000	0.30000	3/2/17	5752
	39.90000	0.45000	4/4/17	5752
	33.35000	0.10000	5/2/17	5752
	34.50000	0.15000	6/2/17	5752
	38.00000	0.10000	7/5/17	5752

	45.60000	0.05000	8/2/17	5752
	41.40000	0.05000	9/5/17	5752
	34.85000	0.15000	10/3/17	5752
	33.75000	0.15000	11/2/17	5752
	32.75000	0.30000	12/4/17	5752
	37.15000	0.20000	1/3/18	5752
	50.20000	0.30000	2/2/18	5752
	43.55000	0.30000	3/2/18	5752
	36.35000	0.10000	4/3/18	5752
	31.20000	0.10000	5/2/18	5752
	32.55000	0.00000	6/4/18	5752
	35.25000	0.00000	7/3/18	5752
	50.20000	0.00000	8/2/18	5752
	42.50000	0.00000	9/5/18	5752
	32.65000	0.15000	10/2/18	5752
	32.35000	0.00000	11/2/18	5752
	30.55000	0.00000	12/4/18	5752
	33.70000	0.00000	1/3/19	5752
	50.65000	-0.15000	2/4/19	5752
	44.35000	-0.10000	3/4/19	5752
	35.60000	-0.10000	4/2/19	5752
	31.50000	-0.05000	5/2/19	5752
	30.50000	-0.05000	6/4/19	5752
	34.05000	0.30000	7/2/19	5752
	48.80000	-0.10000	8/2/19	5752
	40.80000	-0.10000	9/4/19	5752

	32.10000	-0.05000	10/2/19	5752
	31.25000	-0.05000	11/4/19	5752
	31.20000	-0.05000	12/3/19	5752
	32.65000	-0.10000	1/3/20	5752
	49.30000	-0.15000	2/4/20	5752
	43.35000	-0.10000	3/3/20	5752
	36.25000	-0.10000	4/2/20	5752
	31.10000	-0.05000	5/4/20	5752
	31.10000	-0.10000	6/2/20	5752
	35.65000	0.30000	7/2/20	5752
	48.30000	-0.10000	8/4/20	5752
	40.95000	-0.10000	9/2/20	5752
	31.85000	-0.05000	10/2/20	5752
	31.25000	-0.05000	11/3/20	5752
	31.05000	-0.05000	12/2/20	5752
	32.85000	-0.10000	1/5/21	5752
	22.39000	0.00000	10/4/16	5753
	24.40000	0.24000	11/2/16	5753
	24.85000	0.00000	12/2/16	5753
	28.80000	0.20000	1/4/17	5753
	38.65000	0.10000	2/2/17	5753
	35.00000	0.10000	3/2/17	5753
	30.25000	0.00000	4/4/17	5753
	24.60000	0.00000	5/2/17	5753
	21.95000	0.25000	6/2/17	5753
	23.20000	0.00000	7/5/17	5753

	26.25000	0.00000	8/2/17	5753
	23.85000	0.00000	9/5/17	5753
	22.00000	0.00000	10/3/17	5753
	22.90000	0.00000	11/2/17	5753
	23.10000	0.00000	12/4/17	5753
	27.10000	0.00000	1/3/18	5753
	37.60000	0.15000	2/2/18	5753
	33.40000	0.15000	3/2/18	5753
	28.00000	0.05000	4/3/18	5753
	24.85000	0.05000	5/2/18	5753
	19.40000	0.00000	6/4/18	5753
	20.95000	0.00000	7/3/18	5753
	24.25000	0.05000	8/2/18	5753
	23.40000	0.05000	9/5/18	5753
	21.00000	0.00000	10/2/18	5753
	21.65000	0.05000	11/2/18	5753
	21.85000	0.05000	12/4/18	5753
	25.05000	0.05000	1/3/19	5753
	37.00000	0.05000	2/4/19	5753
	34.50000	0.05000	3/4/19	5753
	28.15000	0.05000	4/2/19	5753
	22.70000	0.05000	5/2/19	5753
	21.20000	0.05000	6/4/19	5753
	20.70000	0.05000	7/2/19	5753
	24.75000	0.05000	8/2/19	5753
	23.95000	0.05000	9/4/19	5753

	21.20000	0.05000	10/2/19	5753
	20.15000	0.05000	11/4/19	5753
	21.45000	0.05000	12/3/19	5753
	23.30000	0.05000	1/3/20	5753
	37.35000	0.05000	2/4/20	5753
	33.80000	0.05000	3/3/20	5753
	28.40000	0.05000	4/2/20	5753
	24.30000	0.05000	5/4/20	5753
	20.85000	0.05000	6/2/20	5753
	23.30000	0.05000	7/2/20	5753
	24.45000	0.05000	8/4/20	5753
	22.95000	0.05000	9/2/20	5753
	21.10000	0.05000	10/2/20	5753
	21.35000	0.05000	11/3/20	5753
	21.75000	0.05000	12/2/20	5753
	26.25000	0.05000	1/5/21	5753
	15.96000	0.00000	10/4/16	2580
	16.26000	0.25000	11/2/16	2580
	20.85000	0.00000	12/2/16	2580
	28.10000	0.20000	1/4/17	2580
	45.30000	0.20000	2/2/17	2580
	41.30000	0.15000	3/2/17	2580
	25.95000	0.00000	4/4/17	2580
	18.90000	0.00000	5/2/17	2580
	16.75000	0.25000	6/2/17	2580
	18.15000	0.00000	7/5/17	2580

	20.60000	0.00000	8/2/17	2580
	18.75000	0.00000	9/5/17	2580
	17.85000	0.00000	10/3/17	2580
	19.45000	0.00000	11/2/17	2580
	20.00000	0.00000	12/4/17	2580
	25.55000	0.00000	1/3/18	2580
	44.75000	0.15000	2/2/18	2580
	41.80000	0.15000	3/2/18	2580
	26.10000	0.05000	4/3/18	2580
	21.95000	0.05000	5/2/18	2580
	18.00000	0.00000	6/4/18	2580
	17.85000	0.00000	7/3/18	2580
	20.10000	0.05000	8/2/18	2580
	19.70000	0.05000	9/5/18	2580
	17.65000	0.00000	10/2/18	2580
	18.80000	0.00000	11/2/18	2580
	19.65000	0.05000	12/4/18	2580
	22.80000	0.05000	1/3/19	2580
	45.15000	0.05000	2/4/19	2580
	42.60000	0.05000	3/4/19	2580
	26.00000	0.05000	4/2/19	2580
	20.90000	0.05000	5/2/19	2580
	18.20000	0.05000	6/4/19	2580
	18.60000	0.05000	7/2/19	2580
	21.90000	0.05000	8/2/19	2580
	20.80000	0.05000	9/4/19	2580

	18.20000	0.05000	10/2/19	2580
	18.90000	0.05000	11/4/19	2580
	20.20000	0.05000	12/3/19	2580
	22.35000	0.05000	1/3/20	2580
	45.25000	0.05000	2/4/20	2580
	43.50000	0.05000	3/3/20	2580
	25.60000	0.05000	4/2/20	2580
	21.90000	0.05000	5/4/20	2580
	18.30000	0.05000	6/2/20	2580
	19.50000	0.05000	7/2/20	2580
	22.20000	0.05000	8/4/20	2580
	21.50000	0.05000	9/2/20	2580
	18.25000	0.05000	10/2/20	2580
	20.90000	0.05000	11/3/20	2580
	21.15000	0.05000	12/2/20	2580
	22.50000	0.05000	1/5/21	2580
	28.74000	0.00000	10/4/16	2583
	26.79000	0.34000	11/2/16	2583
	29.15000	1.30000	12/2/16	2583
	39.45000	0.50000	1/4/17	2583
	56.90000	0.25000	2/2/17	2583
	56.30000	0.35000	3/2/17	2583
	35.45000	0.45000	4/4/17	2583
	28.75000	0.10000	5/2/17	2583
	29.50000	0.15000	6/2/17	2583
	32.05000	0.10000	7/5/17	2583

	41.90000	0.15000	8/2/17	2583
	37.80000	0.10000	9/5/17	2583
	30.05000	0.15000	10/3/17	2583
	28.30000	0.15000	11/2/17	2583
	29.15000	0.30000	12/4/17	2583
	35.50000	0.20000	1/3/18	2583
	58.70000	0.30000	2/2/18	2583
	55.50000	0.30000	3/2/18	2583
	35.35000	0.10000	4/3/18	2583
	29.30000	0.10000	5/2/18	2583
	29.65000	0.00000	6/4/18	2583
	30.20000	0.00000	7/3/18	2583
	40.55000	0.00000	8/2/18	2583
	36.55000	0.00000	9/5/18	2583
	27.25000	0.15000	10/2/18	2583
	26.60000	0.00000	11/2/18	2583
	27.50000	0.00000	12/4/18	2583
	31.60000	0.00000	1/3/19	2583
	58.95000	-0.15000	2/4/19	2583
	55.20000	-0.10000	3/4/19	2583
	33.75000	-0.10000	4/2/19	2583
	27.50000	-0.05000	5/2/19	2583
	26.25000	-0.05000	6/4/19	2583
	29.95000	0.30000	7/2/19	2583
	41.35000	-0.10000	8/2/19	2583
	36.10000	-0.10000	9/4/19	2583

	27.35000	-0.05000	10/2/19	2583
	26.35000	-0.05000	11/4/19	2583
	26.85000	-0.05000	12/3/19	2583
	32.25000	-0.10000	1/3/20	2583
	61.15000	-0.15000	2/4/20	2583
	55.60000	-0.10000	3/3/20	2583
	30.70000	-0.10000	4/2/20	2583
	27.75000	-0.05000	5/4/20	2583
	28.10000	-0.10000	6/2/20	2583
	30.80000	0.30000	7/2/20	2583
	41.45000	-0.10000	8/4/20	2583
	35.95000	-0.10000	9/2/20	2583
	27.25000	-0.05000	10/2/20	2583
	25.85000	-0.05000	11/3/20	2583
	26.30000	-0.05000	12/2/20	2583
	32.50000	-0.10000	1/5/21	2583
	35.84000	0.00000	10/4/16	1612
	36.26000	0.06000	10/5/16	1612
	35.35000	0.85000	10/6/16	1612
	35.70000	1.20000	10/7/16	1612
	35.70000	1.20000	10/10/16	1612
	27.85000	0.00000	10/10/16	1612
	27.85000	0.00000	10/10/16	1612
	32.80000	0.10000	10/11/16	1612
	32.80000	0.10000	10/12/16	1612
	32.80000	0.10000	10/13/16	1612

	32.80000	0.10000	10/14/16	1612
	32.80000	0.10000	10/17/16	1612
	28.90000	0.60000	10/17/16	1612
	28.90000	0.60000	10/17/16	1612
	33.74000	1.01000	10/18/16	1612
	33.74000	1.01000	10/19/16	1612
	33.74000	1.01000	10/20/16	1612
	33.74000	1.01000	10/21/16	1612
	33.74000	1.01000	10/24/16	1612
	28.90000	0.60000	10/24/16	1612
	28.90000	0.60000	10/24/16	1612
	33.74000	1.01000	10/25/16	1612
	33.74000	1.01000	10/26/16	1612
	33.74000	1.01000	10/27/16	1612
	33.74000	1.01000	10/28/16	1612
	33.74000	1.01000	10/31/16	1612
	28.90000	0.60000	10/31/16	1612
	28.90000	0.60000	10/31/16	1612
	33.74000	1.01000	11/1/16	1612
	34.75000	1.30000	11/2/16	1612
	34.75000	1.30000	11/3/16	1612
	34.75000	1.30000	11/4/16	1612
	34.75000	1.30000	11/7/16	1612
	29.54000	1.11000	11/7/16	1612
	29.54000	1.11000	11/7/16	1612
	34.75000	1.30000	11/8/16	1612

	34.75000	1.30000	11/9/16	1612
	34.75000	1.30000	11/10/16	1612
	34.75000	1.30000	11/11/16	1612
	34.75000	1.30000	11/14/16	1612
	29.54000	1.11000	11/14/16	1612
	29.54000	1.11000	11/14/16	1612
	34.75000	1.30000	11/15/16	1612
	34.75000	1.30000	11/16/16	1612
	34.75000	1.30000	11/17/16	1612
	34.75000	1.30000	11/18/16	1612
	34.75000	1.30000	11/21/16	1612
	29.54000	1.11000	11/21/16	1612
	29.54000	1.11000	11/21/16	1612
	34.75000	1.30000	11/22/16	1612
	34.75000	1.30000	11/23/16	1612
	34.75000	1.30000	11/28/16	1612
	29.54000	1.11000	11/28/16	1612
	34.75000	1.30000	11/28/16	1612
	29.54000	1.11000	11/28/16	1612
	29.54000	1.11000	11/28/16	1612
	34.75000	1.30000	11/29/16	1612
	34.75000	1.30000	11/30/16	1612
	34.75000	1.30000	12/1/16	1612
	40.35000	0.50000	12/2/16	1612
	40.35000	0.50000	12/5/16	1612
	34.30000	0.43000	12/5/16	1612

	34.30000	0.43000	12/5/16	1612
	40.35000	0.50000	12/6/16	1612
	40.35000	0.50000	12/7/16	1612
	40.35000	0.50000	12/8/16	1612
	40.35000	0.50000	12/9/16	1612
	40.35000	0.50000	12/12/16	1612
	34.30000	0.43000	12/12/16	1612
	34.30000	0.43000	12/12/16	1612
	40.35000	0.50000	12/13/16	1612
	40.35000	0.50000	12/14/16	1612
	40.35000	0.50000	12/15/16	1612
	40.35000	0.50000	12/16/16	1612
	40.35000	0.50000	12/19/16	1612
	34.30000	0.43000	12/19/16	1612
	34.30000	0.43000	12/19/16	1612
	40.35000	0.50000	12/20/16	1612
	40.35000	0.50000	12/21/16	1612
	40.35000	0.50000	12/22/16	1612
	40.35000	0.50000	12/23/16	1612
	40.35000	0.50000	12/27/16	1612
	34.30000	0.43000	12/27/16	1612
	34.30000	0.43000	12/27/16	1612
	40.35000	0.50000	12/27/16	1612
	40.35000	0.50000	12/28/16	1612
	40.35000	0.50000	12/29/16	1612
	40.35000	0.50000	12/30/16	1612

	40.35000	0.50000	1/3/17	1612
	34.30000	0.43000	1/3/17	1612
	46.07000	0.21000	1/3/17	1612
	46.07000	0.21000	1/3/17	1612
	54.20000	0.25000	1/4/17	1612
	54.20000	0.25000	1/5/17	1612
	54.20000	0.25000	1/6/17	1612
	54.20000	0.25000	1/9/17	1612
	46.07000	0.21000	1/9/17	1612
	46.07000	0.21000	1/9/17	1612
	54.20000	0.25000	1/10/17	1612
	54.20000	0.25000	1/11/17	1612
	54.20000	0.25000	1/12/17	1612
	54.20000	0.25000	1/13/17	1612
	54.20000	0.25000	1/17/17	1612
	46.07000	0.21000	1/17/17	1612
	46.07000	0.21000	1/17/17	1612
	54.20000	0.25000	1/17/17	1612
	54.20000	0.25000	1/18/17	1612
	54.20000	0.25000	1/19/17	1612
	54.20000	0.25000	1/20/17	1612
	54.20000	0.25000	1/23/17	1612
	46.07000	0.21000	1/23/17	1612
	46.07000	0.21000	1/23/17	1612
	54.20000	0.25000	1/24/17	1612
	54.20000	0.25000	1/25/17	1612

	54.20000	0.25000	1/26/17	1612
	54.20000	0.25000	1/27/17	1612
	54.20000	0.25000	1/30/17	1612
	46.07000	0.21000	1/30/17	1612
	46.07000	0.21000	1/30/17	1612
	54.20000	0.25000	1/31/17	1612
	54.20000	0.25000	2/1/17	1612
	53.00000	0.35000	2/2/17	1612
	53.00000	0.35000	2/3/17	1612
	53.00000	0.35000	2/6/17	1612
	45.05000	0.30000	2/6/17	1612
	45.05000	0.30000	2/6/17	1612
	53.00000	0.35000	2/7/17	1612
	53.00000	0.35000	2/8/17	1612
	53.00000	0.35000	2/9/17	1612
	53.00000	0.35000	2/10/17	1612
	53.00000	0.35000	2/13/17	1612
	45.05000	0.30000	2/13/17	1612
	45.05000	0.30000	2/13/17	1612
	53.00000	0.35000	2/14/17	1612
	53.00000	0.35000	2/15/17	1612
	53.00000	0.35000	2/16/17	1612
	53.00000	0.35000	2/17/17	1612
	53.00000	0.35000	2/21/17	1612
	45.05000	0.30000	2/21/17	1612
	45.05000	0.30000	2/21/17	1612

	53.00000	0.35000	2/21/17	1612
	53.00000	0.35000	2/22/17	1612
	53.00000	0.35000	2/23/17	1612
	53.00000	0.35000	2/24/17	1612
	53.00000	0.35000	2/27/17	1612
	45.05000	0.30000	2/27/17	1612
	45.05000	0.30000	2/27/17	1612
	53.00000	0.35000	2/28/17	1612
	53.00000	0.35000	3/1/17	1612
	41.00000	0.45000	3/2/17	1612
	41.00000	0.45000	3/3/17	1612
	41.00000	0.45000	3/6/17	1612
	34.85000	0.38000	3/6/17	1612
	34.85000	0.38000	3/6/17	1612
	41.00000	0.45000	3/7/17	1612
	41.00000	0.45000	3/8/17	1612
	41.00000	0.45000	3/9/17	1612
	41.00000	0.45000	3/10/17	1612
	41.00000	0.45000	3/13/17	1612
	34.85000	0.38000	3/13/17	1612
	34.85000	0.38000	3/13/17	1612
	41.00000	0.45000	3/14/17	1612
	41.00000	0.45000	3/15/17	1612
	41.00000	0.45000	3/16/17	1612
	41.00000	0.45000	3/17/17	1612
	41.00000	0.45000	3/20/17	1612

	34.85000	0.38000	3/20/17	1612
	34.85000	0.38000	3/20/17	1612
	41.00000	0.45000	3/21/17	1612
	41.00000	0.45000	3/22/17	1612
	41.00000	0.45000	3/23/17	1612
	41.00000	0.45000	3/24/17	1612
	41.00000	0.45000	3/27/17	1612
	34.85000	0.38000	3/27/17	1612
	34.85000	0.38000	3/27/17	1612
	41.00000	0.45000	3/28/17	1612
	41.00000	0.45000	3/29/17	1612
	41.00000	0.45000	3/30/17	1612
	41.00000	0.45000	3/31/17	1612
	41.00000	0.45000	4/3/17	1612
	31.50000	0.09000	4/3/17	1612
	31.50000	0.09000	4/3/17	1612
	35.00000	0.10000	4/4/17	1612
	35.00000	0.10000	4/5/17	1612
	35.00000	0.10000	4/6/17	1612
	35.00000	0.10000	4/7/17	1612
	35.00000	0.10000	4/10/17	1612
	31.50000	0.09000	4/10/17	1612
	31.50000	0.09000	4/10/17	1612
	35.00000	0.10000	4/11/17	1612
	35.00000	0.10000	4/12/17	1612
	35.00000	0.10000	4/13/17	1612

	35.00000	0.10000	4/17/17	1612
	35.00000	0.10000	4/17/17	1612
	31.50000	0.09000	4/17/17	1612
	31.50000	0.09000	4/17/17	1612
	35.00000	0.10000	4/18/17	1612
	35.00000	0.10000	4/19/17	1612
	35.00000	0.10000	4/20/17	1612
	35.00000	0.10000	4/21/17	1612
	35.00000	0.10000	4/24/17	1612
	31.50000	0.09000	4/24/17	1612
	31.50000	0.09000	4/24/17	1612
	35.00000	0.10000	4/25/17	1612
	35.00000	0.10000	4/26/17	1612
	35.00000	0.10000	4/27/17	1612
	35.00000	0.10000	4/28/17	1612
	35.00000	0.10000	5/1/17	1612
	31.50000	0.09000	5/1/17	1612
	31.50000	0.09000	5/1/17	1612
	35.65000	0.15000	5/2/17	1612
	35.65000	0.15000	5/3/17	1612
	35.65000	0.15000	5/4/17	1612
	35.65000	0.15000	5/5/17	1612
	35.65000	0.15000	5/8/17	1612
	26.74000	0.11000	5/8/17	1612
	26.74000	0.11000	5/8/17	1612
	35.65000	0.15000	5/9/17	1612

	35.65000	0.15000	5/10/17	1612
	35.65000	0.15000	5/11/17	1612
	35.65000	0.15000	5/12/17	1612
	35.65000	0.15000	5/15/17	1612
	26.74000	0.11000	5/15/17	1612
	26.74000	0.11000	5/15/17	1612
	35.65000	0.15000	5/16/17	1612
	35.65000	0.15000	5/17/17	1612
	35.65000	0.15000	5/18/17	1612
	35.65000	0.15000	5/19/17	1612
	35.65000	0.15000	5/22/17	1612
	26.74000	0.11000	5/22/17	1612
	26.74000	0.11000	5/22/17	1612
	35.65000	0.15000	5/23/17	1612
	35.65000	0.15000	5/24/17	1612
	35.65000	0.15000	5/25/17	1612
	35.65000	0.15000	5/26/17	1612
	35.65000	0.15000	5/30/17	1612
	26.74000	0.11000	5/30/17	1612
	26.74000	0.11000	5/30/17	1612
	26.74000	0.11000	5/30/17	1612
	35.65000	0.15000	5/31/17	1612
	35.65000	0.15000	6/1/17	1612
	36.50000	0.10000	6/2/17	1612
	36.50000	0.10000	6/5/17	1612
	26.28000	0.07000	6/5/17	1612

	26.28000	0.07000	6/5/17	1612
	36.50000	0.10000	6/6/17	1612
	36.50000	0.10000	6/7/17	1612
	36.50000	0.10000	6/8/17	1612
	36.50000	0.10000	6/9/17	1612
	36.50000	0.10000	6/12/17	1612
	26.28000	0.07000	6/12/17	1612
	26.28000	0.07000	6/12/17	1612
	36.50000	0.10000	6/13/17	1612
	36.50000	0.10000	6/14/17	1612
	36.50000	0.10000	6/15/17	1612
	36.50000	0.10000	6/16/17	1612
	36.50000	0.10000	6/19/17	1612
	26.28000	0.07000	6/19/17	1612
	26.28000	0.07000	6/19/17	1612
	36.50000	0.10000	6/20/17	1612
	36.50000	0.10000	6/21/17	1612
	36.50000	0.10000	6/22/17	1612
	36.50000	0.10000	6/23/17	1612
	36.50000	0.10000	6/26/17	1612
	26.28000	0.07000	6/26/17	1612
	26.28000	0.07000	6/26/17	1612
	36.50000	0.10000	6/27/17	1612
	36.50000	0.10000	6/28/17	1612
	36.50000	0.10000	6/29/17	1612
	36.50000	0.10000	6/30/17	1612

	36.50000	0.10000	7/3/17	1612
	33.26000	0.11000	7/3/17	1612
	33.26000	0.11000	7/3/17	1612
	44.35000	0.15000	7/5/17	1612
	33.26000	0.11000	7/5/17	1612
	44.35000	0.15000	7/6/17	1612
	44.35000	0.15000	7/7/17	1612
	44.35000	0.15000	7/10/17	1612
	33.26000	0.11000	7/10/17	1612
	33.26000	0.11000	7/10/17	1612
	44.35000	0.15000	7/11/17	1612
	44.35000	0.15000	7/12/17	1612
	44.35000	0.15000	7/13/17	1612
	44.35000	0.15000	7/14/17	1612
	44.35000	0.15000	7/17/17	1612
	33.26000	0.11000	7/17/17	1612
	33.26000	0.11000	7/17/17	1612
	44.35000	0.15000	7/18/17	1612
	44.35000	0.15000	7/19/17	1612
	44.35000	0.15000	7/20/17	1612
	44.35000	0.15000	7/21/17	1612
	44.35000	0.15000	7/24/17	1612
	33.26000	0.11000	7/24/17	1612
	33.26000	0.11000	7/24/17	1612
	44.35000	0.15000	7/25/17	1612
	44.35000	0.15000	7/26/17	1612

	44.35000	0.15000	7/27/17	1612
	44.35000	0.15000	7/28/17	1612
	44.35000	0.15000	7/31/17	1612
	33.26000	0.11000	7/31/17	1612
	33.26000	0.11000	7/31/17	1612
	44.35000	0.15000	8/1/17	1612
	40.80000	0.10000	8/2/17	1612
	40.80000	0.10000	8/3/17	1612
	40.80000	0.10000	8/4/17	1612
	40.80000	0.10000	8/7/17	1612
	30.60000	0.07000	8/7/17	1612
	30.60000	0.07000	8/7/17	1612
	40.80000	0.10000	8/8/17	1612
	40.80000	0.10000	8/9/17	1612
	40.80000	0.10000	8/10/17	1612
	40.80000	0.10000	8/11/17	1612
	40.80000	0.10000	8/14/17	1612
	30.60000	0.07000	8/14/17	1612
	30.60000	0.07000	8/14/17	1612
	40.80000	0.10000	8/15/17	1612
	40.80000	0.10000	8/16/17	1612
	40.80000	0.10000	8/17/17	1612
	40.80000	0.10000	8/18/17	1612
	40.80000	0.10000	8/21/17	1612
	30.60000	0.07000	8/21/17	1612
	30.60000	0.07000	8/21/17	1612

	40.80000	0.10000	8/22/17	1612
	40.80000	0.10000	8/23/17	1612
	40.80000	0.10000	8/24/17	1612
	40.80000	0.10000	8/25/17	1612
	40.80000	0.10000	8/28/17	1612
	30.60000	0.07000	8/28/17	1612
	30.60000	0.07000	8/28/17	1612
	40.80000	0.10000	8/29/17	1612
	40.80000	0.10000	8/30/17	1612
	40.80000	0.10000	8/31/17	1612
	40.80000	0.10000	9/1/17	1612
	34.45000	0.15000	9/5/17	1612
	25.84000	0.11000	9/5/17	1612
	25.84000	0.11000	9/5/17	1612
	34.45000	0.15000	9/5/17	1612
	34.45000	0.15000	9/6/17	1612
	34.45000	0.15000	9/7/17	1612
	34.45000	0.15000	9/8/17	1612
	34.45000	0.15000	9/11/17	1612
	25.84000	0.11000	9/11/17	1612
	25.84000	0.11000	9/11/17	1612
	34.45000	0.15000	9/12/17	1612
	34.45000	0.15000	9/13/17	1612
	34.45000	0.15000	9/14/17	1612
	34.45000	0.15000	9/15/17	1612
	34.45000	0.15000	9/18/17	1612

	25.84000	0.11000	9/18/17	1612
	25.84000	0.11000	9/18/17	1612
	34.45000	0.15000	9/19/17	1612
	34.45000	0.15000	9/20/17	1612
	34.45000	0.15000	9/21/17	1612
	34.45000	0.15000	9/22/17	1612
	34.45000	0.15000	9/25/17	1612
	25.84000	0.11000	9/25/17	1612
	25.84000	0.11000	9/25/17	1612
	34.45000	0.15000	9/26/17	1612
	34.45000	0.15000	9/27/17	1612
	34.45000	0.15000	9/28/17	1612
	34.45000	0.15000	9/29/17	1612
	34.45000	0.15000	10/2/17	1612
	25.84000	0.11000	10/2/17	1612
	24.71000	0.11000	10/2/17	1612
	32.95000	0.15000	10/3/17	1612
	32.95000	0.15000	10/4/17	1612
	32.95000	0.15000	10/5/17	1612
	32.95000	0.15000	10/6/17	1612
	32.95000	0.15000	10/9/17	1612
	24.71000	0.11000	10/9/17	1612
	24.71000	0.11000	10/9/17	1612
	32.95000	0.15000	10/10/17	1612
	32.95000	0.15000	10/11/17	1612
	32.95000	0.15000	10/12/17	1612

	32.95000	0.15000	10/13/17	1612
	32.95000	0.15000	10/16/17	1612
	24.71000	0.11000	10/16/17	1612
	24.71000	0.11000	10/16/17	1612
	32.95000	0.15000	10/17/17	1612
	32.95000	0.15000	10/18/17	1612
	32.95000	0.15000	10/19/17	1612
	32.95000	0.15000	10/20/17	1612
	32.95000	0.15000	10/23/17	1612
	24.71000	0.11000	10/23/17	1612
	24.71000	0.11000	10/23/17	1612
	32.95000	0.15000	10/24/17	1612
	32.95000	0.15000	10/25/17	1612
	32.95000	0.15000	10/26/17	1612
	32.95000	0.15000	10/27/17	1612
	32.95000	0.15000	10/30/17	1612
	24.71000	0.11000	10/30/17	1612
	24.71000	0.11000	10/30/17	1612
	32.95000	0.15000	10/31/17	1612
	32.95000	0.15000	11/1/17	1612
	33.45000	0.30000	11/2/17	1612
	33.45000	0.30000	11/3/17	1612
	33.45000	0.30000	11/6/17	1612
	25.09000	0.23000	11/6/17	1612
	25.09000	0.23000	11/6/17	1612
	33.45000	0.30000	11/7/17	1612

	33.45000	0.30000	11/8/17	1612
	33.45000	0.30000	11/9/17	1612
	33.45000	0.30000	11/10/17	1612
	33.45000	0.30000	11/13/17	1612
	25.09000	0.23000	11/13/17	1612
	25.09000	0.23000	11/13/17	1612
	33.45000	0.30000	11/14/17	1612
	33.45000	0.30000	11/15/17	1612
	33.45000	0.30000	11/16/17	1612
	33.45000	0.30000	11/17/17	1612
	33.45000	0.30000	11/20/17	1612
	25.09000	0.23000	11/20/17	1612
	25.09000	0.23000	11/20/17	1612
	33.45000	0.30000	11/21/17	1612
	33.45000	0.30000	11/22/17	1612
	33.45000	0.30000	11/27/17	1612
	25.09000	0.23000	11/27/17	1612
	33.45000	0.30000	11/27/17	1612
	25.09000	0.23000	11/27/17	1612
	25.09000	0.23000	11/27/17	1612
	33.45000	0.30000	11/28/17	1612
	33.45000	0.30000	11/29/17	1612
	33.45000	0.30000	11/30/17	1612
	33.45000	0.30000	12/1/17	1612
	37.20000	0.20000	12/4/17	1612
	27.90000	0.15000	12/4/17	1612

	27.90000	0.15000	12/4/17	1612
	37.20000	0.20000	12/5/17	1612
	37.20000	0.20000	12/6/17	1612
	37.20000	0.20000	12/7/17	1612
	37.20000	0.20000	12/8/17	1612
	37.20000	0.20000	12/11/17	1612
	27.90000	0.15000	12/11/17	1612
	27.90000	0.15000	12/11/17	1612
	37.20000	0.20000	12/12/17	1612
	37.20000	0.20000	12/13/17	1612
	37.20000	0.20000	12/14/17	1612
	37.20000	0.20000	12/15/17	1612
	37.20000	0.20000	12/18/17	1612
	27.90000	0.15000	12/18/17	1612
	27.90000	0.15000	12/18/17	1612
	37.20000	0.20000	12/19/17	1612
	37.20000	0.20000	12/20/17	1612
	37.20000	0.20000	12/21/17	1612
	37.20000	0.20000	12/22/17	1612
	37.20000	0.20000	12/26/17	1612
	27.90000	0.15000	12/26/17	1612
	27.90000	0.15000	12/26/17	1612
	27.90000	0.15000	12/26/17	1612
	37.20000	0.20000	12/27/17	1612
	37.20000	0.20000	12/28/17	1612
	37.20000	0.20000	12/29/17	1612

	37.20000	0.20000	1/2/18	1612
	27.90000	0.15000	1/2/18	1612
	27.90000	0.15000	1/2/18	1612
	91334.00000	0.00000	10/4/16	5298
	92749.00000	0.00000	10/5/16	5298
	91709.00000	0.00000	10/6/16	5298
	90499.00000	0.00000	10/7/16	5298
	88052.00000	0.00000	10/10/16	5298
	81103.00000	0.00000	10/10/16	5298
	83565.00000	0.00000	10/10/16	5298
	92217.00000	336.00000	10/11/16	5298
	92187.00000	-613.00000	10/12/16	5298
	92919.00000	-327.00000	10/13/16	5298
	95135.00000	686.00000	10/14/16	5298
	91241.00000	-156.00000	10/17/16	5298
	81120.00000		10/17/16	5298
	80706.00000		10/17/16	5298
	87141.00000		10/18/16	5298
	23.54000	0.00000	10/4/16	1614
	23.58000	-0.87000	10/5/16	1614
	24.15000	1.60000	10/6/16	1614
	22.55000	0.00000	10/7/16	1614
	22.55000	0.00000	10/10/16	1614
	19.20000	0.00000	10/10/16	1614
	19.20000	0.00000	10/10/16	1614
	21.80000	0.42000	10/11/16	1614

	21.80000	0.42000	10/12/16	1614
	21.80000	0.42000	10/13/16	1614
	21.80000	0.42000	10/14/16	1614
	21.80000	0.42000	10/17/16	1614
	20.64000	0.28000	10/17/16	1614
	20.64000	0.28000	10/17/16	1614
	21.80000	0.42000	10/18/16	1614
	21.80000	0.42000	10/19/16	1614
	21.80000	0.42000	10/20/16	1614
	21.80000	0.42000	10/21/16	1614
	21.80000	0.42000	10/24/16	1614
	20.64000	0.28000	10/24/16	1614
	20.64000	0.28000	10/24/16	1614
	21.80000	0.42000	10/25/16	1614
	21.80000	0.42000	10/26/16	1614
	21.80000	0.42000	10/27/16	1614
	21.80000	0.42000	10/28/16	1614
	21.80000	0.42000	10/31/16	1614
	20.64000	0.28000	10/31/16	1614
	20.64000	0.28000	10/31/16	1614
	21.80000	0.42000	11/1/16	1614
	23.22000	-0.95000	11/2/16	1614
	23.22000	-0.95000	11/3/16	1614
	23.22000	-0.95000	11/4/16	1614
	23.22000	-0.95000	11/7/16	1614
	21.46000	0.00000	11/7/16	1614

	21.46000	0.00000	11/7/16	1614
	23.22000	-0.95000	11/8/16	1614
	23.22000	-0.95000	11/9/16	1614
	23.22000	-0.95000	11/10/16	1614
	23.22000	-0.95000	11/11/16	1614
	23.22000	-0.95000	11/14/16	1614
	21.46000	0.00000	11/14/16	1614
	21.46000	0.00000	11/14/16	1614
	23.22000	-0.95000	11/15/16	1614
	23.22000	-0.95000	11/16/16	1614
	23.22000	-0.95000	11/17/16	1614
	23.22000	-0.95000	11/18/16	1614
	23.22000	-0.95000	11/21/16	1614
	21.46000	0.00000	11/21/16	1614
	21.46000	0.00000	11/21/16	1614
	23.22000	-0.95000	11/22/16	1614
	23.22000	-0.95000	11/23/16	1614
	23.22000	-0.95000	11/28/16	1614
	21.46000	0.00000	11/28/16	1614
	23.22000	-0.95000	11/28/16	1614
	21.46000	0.00000	11/28/16	1614
	21.46000	0.00000	11/28/16	1614
	23.22000	-0.95000	11/29/16	1614
	23.22000	-0.95000	11/30/16	1614
	23.22000	-0.95000	12/1/16	1614
	28.64000	0.04000	12/2/16	1614

	28.64000	0.04000	12/5/16	1614
	25.59000	0.17000	12/5/16	1614
	25.59000	0.17000	12/5/16	1614
	28.64000	0.04000	12/6/16	1614
	28.64000	0.04000	12/7/16	1614
	28.64000	0.04000	12/8/16	1614
	28.64000	0.04000	12/9/16	1614
	28.64000	0.04000	12/12/16	1614
	25.59000	0.17000	12/12/16	1614
	25.59000	0.17000	12/12/16	1614
	28.64000		12/13/16	1614
	28.64000		12/14/16	1614
	28.64000		12/15/16	1614
	40.70000	6.70000	10/4/16	413
	38.25000	3.85000	10/5/16	413
	36.00000	1.70000	10/6/16	413
	35.60000	1.30000	10/7/16	413
	35.60000	1.30000	10/10/16	413
	27.65000	0.00000	10/10/16	413
	27.65000	0.00000	10/10/16	413
	32.50000	0.10000	10/11/16	413
	32.50000	0.10000	10/12/16	413
	32.50000	0.10000	10/13/16	413
	32.50000	0.10000	10/14/16	413
	32.50000	0.10000	10/17/16	413
	28.87000	0.80000	10/17/16	413

	28.87000	0.80000	10/17/16	413
	32.75000	0.00000	10/18/16	413
	32.75000	0.00000	10/19/16	413
	32.75000	0.00000	10/20/16	413
	32.75000	0.00000	10/21/16	413
	32.75000	0.00000	10/24/16	413
	28.87000	0.80000	10/24/16	413
	28.87000	0.80000	10/24/16	413
	32.95000	0.25000	10/25/16	413
	32.95000	0.25000	10/26/16	413
	32.95000	0.25000	10/27/16	413
	32.95000	0.25000	10/28/16	413
	32.95000	0.25000	10/31/16	413
	28.87000	0.80000	10/31/16	413
	28.87000	0.80000	10/31/16	413
	36.22000	3.35000	11/1/16	413
	34.50000	0.55000	11/2/16	413
	34.50000	0.55000	11/3/16	413
	34.50000	0.55000	11/4/16	413
	34.50000	0.55000	11/7/16	413
	29.33000	0.47000	11/7/16	413
	29.33000	0.47000	11/7/16	413
	34.50000	0.55000	11/8/16	413
	34.50000	0.55000	11/9/16	413
	34.50000	0.55000	11/10/16	413
	34.50000	0.55000	11/11/16	413

	34.50000	0.55000	11/14/16	413
	29.33000	0.47000	11/14/16	413
	29.33000	0.47000	11/14/16	413
	34.50000	0.55000	11/15/16	413
	34.50000	0.55000	11/16/16	413
	34.50000	0.55000	11/17/16	413
	34.50000	0.55000	11/18/16	413
	34.50000	0.55000	11/21/16	413
	29.33000	0.47000	11/21/16	413
	29.33000	0.47000	11/21/16	413
	34.50000	0.55000	11/22/16	413
	34.50000	0.55000	11/23/16	413
	34.50000	0.55000	11/28/16	413
	29.33000	0.47000	11/28/16	413
	34.50000	0.55000	11/28/16	413
	29.33000	0.47000	11/28/16	413
	29.33000	0.47000	11/28/16	413
	34.50000	0.55000	11/29/16	413
	34.50000	0.55000	11/30/16	413
	34.50000	0.55000	12/1/16	413
	39.45000	0.50000	12/2/16	413
	39.45000	0.50000	12/5/16	413
	33.53000	0.42000	12/5/16	413
	33.53000	0.42000	12/5/16	413
	39.45000	0.50000	12/6/16	413
	39.45000	0.50000	12/7/16	413

	39.45000	0.50000	12/8/16	413
	39.45000	0.50000	12/9/16	413
	39.45000	0.50000	12/12/16	413
	33.53000	0.42000	12/12/16	413
	33.53000	0.42000	12/12/16	413
	39.45000	0.50000	12/13/16	413
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	39.45000		12/15/16	413
	39.45000		12/16/16	413
	40.70000	6.70000	10/4/16	3629
	38.25000	3.85000	10/5/16	3629
	36.00000	1.70000	10/6/16	3629
	35.60000	1.30000	10/7/16	3629
	35.60000	1.30000	10/10/16	3629
	27.65000	0.00000	10/10/16	3629
	27.65000	0.00000	10/10/16	3629
	32.50000	0.10000	10/11/16	3629
	32.50000	0.10000	10/12/16	3629
	32.50000	0.10000	10/13/16	3629
	32.50000	0.10000	10/14/16	3629
	32.50000	0.10000	10/17/16	3629
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	28.87000	0.80000	10/17/16	3629
	32.75000	0.00000	10/18/16	3629
	32.75000	0.00000	10/19/16	3629
	32.75000	0.00000	10/20/16	3629

	32.75000	0.00000	10/21/16	3629
	32.75000	0.00000	10/24/16	3629
	28.87000	0.80000	10/24/16	3629
	28.87000	0.80000	10/24/16	3629
	32.95000	0.25000	10/25/16	3629
	32.95000	0.25000	10/26/16	3629
	32.95000	0.25000	10/27/16	3629
	32.95000	0.25000	10/28/16	3629
	32.95000	0.25000	10/31/16	3629
	28.87000	0.80000	10/31/16	3629
	28.87000	0.80000	10/31/16	3629
	36.22000	3.35000	11/1/16	3629
	34.50000	0.55000	11/2/16	3629
	34.50000	0.55000	11/3/16	3629
	34.50000	0.55000	11/4/16	3629
	34.50000	0.55000	11/7/16	3629
	29.33000	0.47000	11/7/16	3629
	29.33000	0.47000	11/7/16	3629
	34.50000	0.55000	11/8/16	3629
	34.50000	0.55000	11/9/16	3629
	34.50000	0.55000	11/10/16	3629
	34.50000	0.55000	11/11/16	3629
	34.50000	0.55000	11/14/16	3629
	29.33000	0.47000	11/14/16	3629
	29.33000	0.47000	11/14/16	3629
	34.50000	0.55000	11/15/16	3629

	34.50000	0.55000	11/16/16	3629
	34.50000	0.55000	11/17/16	3629
	34.50000	0.55000	11/18/16	3629
	34.50000	0.55000	11/21/16	3629
	29.33000	0.47000	11/21/16	3629
	29.33000	0.47000	11/21/16	3629
	34.50000	0.55000	11/22/16	3629
	34.50000	0.55000	11/23/16	3629
	34.50000	0.55000	11/28/16	3629
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	34.50000	0.55000	11/28/16	3629
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	33.53000	0.42000	12/5/16	3629
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	33.53000	0.42000	12/19/16	3629
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	39.45000	0.50000	12/27/16	3629
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	33.53000	0.42000	12/27/16	3629
	39.45000	0.50000	12/27/16	3629
	39.45000	0.50000	12/28/16	3629
	39.45000	0.50000	12/29/16	3629
	39.45000	0.50000	12/30/16	3629
	39.45000	0.50000	1/3/17	3629
	33.53000	0.42000	1/3/17	3629
	45.99000	0.22000	1/3/17	3629
	45.99000	0.22000	1/3/17	3629
	54.10000	0.25000	1/4/17	3629
	54.10000	0.25000	1/5/17	3629
	54.10000	0.25000	1/6/17	3629

	54.10000	0.25000	1/9/17	3629
	45.99000	0.22000	1/9/17	3629
	45.99000	0.22000	1/9/17	3629
	54.10000	0.25000	1/10/17	3629
	54.10000	0.25000	1/11/17	3629
	54.10000	0.25000	1/12/17	3629
	54.10000	0.25000	1/13/17	3629
	54.10000	0.25000	1/17/17	3629
	45.99000	0.22000	1/17/17	3629
	45.99000	0.22000	1/17/17	3629
	54.10000	0.25000	1/17/17	3629
	54.10000	0.25000	1/18/17	3629
	54.10000	0.25000	1/19/17	3629
	54.10000	0.25000	1/20/17	3629
	54.10000	0.25000	1/23/17	3629
	45.99000	0.22000	1/23/17	3629
	45.99000	0.22000	1/23/17	3629
	54.10000	0.25000	1/24/17	3629
	54.10000	0.25000	1/25/17	3629
	54.10000	0.25000	1/26/17	3629
	54.10000	0.25000	1/27/17	3629
	54.10000	0.25000	1/30/17	3629
	45.99000	0.22000	1/30/17	3629
	45.99000	0.22000	1/30/17	3629
	54.10000	0.25000	1/31/17	3629
	54.10000	0.25000	2/1/17	3629

	52.85000	0.35000	2/2/17	3629
	52.85000	0.35000	2/3/17	3629
	52.85000	0.35000	2/6/17	3629
	44.92000	0.29000	2/6/17	3629
	44.92000	0.29000	2/6/17	3629
	52.85000	0.35000	2/7/17	3629
	52.85000	0.35000	2/8/17	3629
	52.85000	0.35000	2/9/17	3629
	52.85000	0.35000	2/10/17	3629
	52.85000	0.35000	2/13/17	3629
	44.92000	0.29000	2/13/17	3629
	44.92000	0.29000	2/13/17	3629
	52.85000	0.35000	2/14/17	3629
	52.85000	0.35000	2/15/17	3629
	52.85000	0.35000	2/16/17	3629
	52.85000	0.35000	2/17/17	3629
	52.85000	0.35000	2/21/17	3629
	44.92000	0.29000	2/21/17	3629
	44.92000	0.29000	2/21/17	3629
	52.85000	0.35000	2/21/17	3629
	52.85000	0.35000	2/22/17	3629
	52.85000	0.35000	2/23/17	3629
	52.85000	0.35000	2/24/17	3629
	52.85000	0.35000	2/27/17	3629
	44.92000	0.29000	2/27/17	3629
	44.92000	0.29000	2/27/17	3629

	52.85000	0.35000	2/28/17	3629
	52.85000	0.35000	3/1/17	3629
	40.95000	0.45000	3/2/17	3629
	40.95000	0.45000	3/3/17	3629
	40.95000	0.45000	3/6/17	3629
	34.81000	0.38000	3/6/17	3629
	34.81000	0.38000	3/6/17	3629
	40.95000	0.45000	3/7/17	3629
	40.95000	0.45000	3/8/17	3629
	40.95000	0.45000	3/9/17	3629
	40.95000	0.45000	3/10/17	3629
	40.95000	0.45000	3/13/17	3629
	34.81000	0.38000	3/13/17	3629
	34.81000	0.38000	3/13/17	3629
	40.95000	0.45000	3/14/17	3629
	40.95000	0.45000	3/15/17	3629
	40.95000	0.45000	3/16/17	3629
	40.95000	0.45000	3/17/17	3629
	40.95000	0.45000	3/20/17	3629
	34.81000	0.38000	3/20/17	3629
	34.81000	0.38000	3/20/17	3629
	40.95000	0.45000	3/21/17	3629
	40.95000	0.45000	3/22/17	3629
	40.95000	0.45000	3/23/17	3629
	40.95000	0.45000	3/24/17	3629
	40.95000	0.45000	3/27/17	3629

	34.81000	0.38000	3/27/17	3629
	34.81000	0.38000	3/27/17	3629
	40.95000	0.45000	3/28/17	3629
	40.95000	0.45000	3/29/17	3629
	40.95000	0.45000	3/30/17	3629
	40.95000	0.45000	3/31/17	3629
	40.95000	0.45000	4/3/17	3629
	31.59000	0.09000	4/3/17	3629
	31.59000	0.09000	4/3/17	3629
	35.10000	0.10000	4/4/17	3629
	35.10000	0.10000	4/5/17	3629
	35.10000	0.10000	4/6/17	3629
	35.10000	0.10000	4/7/17	3629
	35.10000	0.10000	4/10/17	3629
	31.59000	0.09000	4/10/17	3629
	31.59000	0.09000	4/10/17	3629
	35.10000	0.10000	4/11/17	3629
	35.10000	0.10000	4/12/17	3629
	35.10000	0.10000	4/13/17	3629
	35.10000	0.10000	4/17/17	3629
	35.10000	0.10000	4/17/17	3629
	31.59000	0.09000	4/17/17	3629
	31.59000	0.09000	4/17/17	3629
	35.10000	0.10000	4/18/17	3629
	35.10000	0.10000	4/19/17	3629
	35.10000	0.10000	4/20/17	3629

	35.10000	0.10000	4/21/17	3629
	35.10000	0.10000	4/24/17	3629
	31.59000	0.09000	4/24/17	3629
	31.59000	0.09000	4/24/17	3629
	35.10000	0.10000	4/25/17	3629
	35.10000	0.10000	4/26/17	3629
	35.10000	0.10000	4/27/17	3629
	35.10000	0.10000	4/28/17	3629
	35.10000	0.10000	5/1/17	3629
	31.59000	0.09000	5/1/17	3629
	31.59000	0.09000	5/1/17	3629
	35.65000	0.15000	5/2/17	3629
	35.65000	0.15000	5/3/17	3629
	35.65000	0.15000	5/4/17	3629
	35.65000	0.15000	5/5/17	3629
	35.65000	0.15000	5/8/17	3629
	26.74000	0.11000	5/8/17	3629
	26.74000	0.11000	5/8/17	3629
	35.65000	0.15000	5/9/17	3629
	35.65000	0.15000	5/10/17	3629
	35.65000	0.15000	5/11/17	3629
	35.65000	0.15000	5/12/17	3629
	35.65000	0.15000	5/15/17	3629
	26.74000	0.11000	5/15/17	3629
	26.74000	0.11000	5/15/17	3629
	35.65000	0.15000	5/16/17	3629

	35.65000	0.15000	5/17/17	3629
	35.65000	0.15000	5/18/17	3629
	35.65000	0.15000	5/19/17	3629
	35.65000	0.15000	5/22/17	3629
	26.74000	0.11000	5/22/17	3629
	26.74000	0.11000	5/22/17	3629
	35.65000	0.15000	5/23/17	3629
	35.65000	0.15000	5/24/17	3629
	35.65000	0.15000	5/25/17	3629
	35.65000	0.15000	5/26/17	3629
	35.65000	0.15000	5/30/17	3629
	26.74000	0.11000	5/30/17	3629
	26.74000	0.11000	5/30/17	3629
	26.74000	0.11000	5/30/17	3629
	35.65000	0.15000	5/31/17	3629
	35.65000	0.15000	6/1/17	3629
	36.55000	0.10000	6/2/17	3629
	36.55000	0.10000	6/5/17	3629
	26.68000	0.07000	6/5/17	3629
	26.68000	0.07000	6/5/17	3629
	36.55000	0.10000	6/6/17	3629
	36.55000	0.10000	6/7/17	3629
	36.55000	0.10000	6/8/17	3629
	36.55000	0.10000	6/9/17	3629
	36.55000	0.10000	6/12/17	3629
	26.68000	0.07000	6/12/17	3629

	26.68000	0.07000	6/12/17	3629
	36.55000	0.10000	6/13/17	3629
	36.55000	0.10000	6/14/17	3629
	36.55000	0.10000	6/15/17	3629
	36.55000	0.10000	6/16/17	3629
	36.55000	0.10000	6/19/17	3629
	26.68000	0.07000	6/19/17	3629
	26.68000	0.07000	6/19/17	3629
	36.55000	0.10000	6/20/17	3629
	36.55000	0.10000	6/21/17	3629
	36.55000	0.10000	6/22/17	3629
	36.55000	0.10000	6/23/17	3629
	36.55000	0.10000	6/26/17	3629
	26.68000	0.07000	6/26/17	3629
	26.68000	0.07000	6/26/17	3629
	36.55000	0.10000	6/27/17	3629
	36.55000	0.10000	6/28/17	3629
	36.55000	0.10000	6/29/17	3629
	36.55000	0.10000	6/30/17	3629
	36.55000	0.10000	7/3/17	3629
	33.15000	0.00000	7/3/17	3629
	33.15000	0.00000	7/3/17	3629
	44.20000	0.00000	7/5/17	3629
	33.15000	0.00000	7/5/17	3629
	44.20000	0.00000	7/6/17	3629
	44.20000	0.00000	7/7/17	3629

	44.20000	0.00000	7/10/17	3629
	33.15000	0.00000	7/10/17	3629
	33.15000	0.00000	7/10/17	3629
	44.20000	0.00000	7/11/17	3629
	44.20000	0.00000	7/12/17	3629
	44.20000	0.00000	7/13/17	3629
	44.20000	0.00000	7/14/17	3629
	44.20000	0.00000	7/17/17	3629
	33.15000	0.00000	7/17/17	3629
	33.15000	0.00000	7/17/17	3629
	44.20000	0.00000	7/18/17	3629
	44.20000	0.00000	7/19/17	3629
	44.20000	0.00000	7/20/17	3629
	44.20000	0.00000	7/21/17	3629
	44.20000	0.00000	7/24/17	3629
	33.15000	0.00000	7/24/17	3629
	33.15000	0.00000	7/24/17	3629
	44.20000	0.00000	7/25/17	3629
	44.20000	0.00000	7/26/17	3629
	44.20000	0.00000	7/27/17	3629
	44.20000	0.00000	7/28/17	3629
	44.20000	0.00000	7/31/17	3629
	33.15000	0.00000	7/31/17	3629
	33.15000	0.00000	7/31/17	3629
	44.20000	0.00000	8/1/17	3629
	40.70000	0.00000	8/2/17	3629

	40.70000	0.00000	8/3/17	3629
	40.70000	0.00000	8/4/17	3629
	40.70000	0.00000	8/7/17	3629
	30.53000	0.00000	8/7/17	3629
	30.53000	0.00000	8/7/17	3629
	40.70000	0.00000	8/8/17	3629
	40.70000	0.00000	8/9/17	3629
	40.70000	0.00000	8/10/17	3629
	40.70000	0.00000	8/11/17	3629
	40.70000	0.00000	8/14/17	3629
	30.53000	0.00000	8/14/17	3629
	30.53000	0.00000	8/14/17	3629
	40.70000	0.00000	8/15/17	3629
	40.70000	0.00000	8/16/17	3629
	40.70000	0.00000	8/17/17	3629
	40.70000	0.00000	8/18/17	3629
	40.70000	0.00000	8/21/17	3629
	30.53000	0.00000	8/21/17	3629
	30.53000	0.00000	8/21/17	3629
	40.70000	0.00000	8/22/17	3629
	40.70000	0.00000	8/23/17	3629
	40.70000	0.00000	8/24/17	3629
	40.70000	0.00000	8/25/17	3629
	40.70000	0.00000	8/28/17	3629
	30.53000	0.00000	8/28/17	3629
	30.53000	0.00000	8/28/17	3629

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	40.70000	0.00000	8/30/17	3629
	40.70000	0.00000	8/31/17	3629
	40.70000	0.00000	9/1/17	3629
	34.40000	0.15000	9/5/17	3629
	25.80000	0.11000	9/5/17	3629
	25.80000	0.11000	9/5/17	3629
	34.40000	0.15000	9/5/17	3629
	34.40000	0.15000	9/6/17	3629
	34.40000	0.15000	9/7/17	3629
	34.40000	0.15000	9/8/17	3629
	34.40000	0.15000	9/11/17	3629
	25.80000	0.11000	9/11/17	3629
	25.80000	0.11000	9/11/17	3629
	34.40000	0.15000	9/12/17	3629
	34.40000	0.15000	9/13/17	3629
	34.40000	0.15000	9/14/17	3629
	34.40000	0.15000	9/15/17	3629
	34.40000	0.15000	9/18/17	3629
	25.80000	0.11000	9/18/17	3629
	25.80000	0.11000	9/18/17	3629
	34.40000	0.15000	9/19/17	3629
	34.40000	0.15000	9/20/17	3629
	34.40000	0.15000	9/21/17	3629
	34.40000	0.15000	9/22/17	3629
	34.40000	0.15000	9/25/17	3629

	25.80000	0.11000	9/25/17	3629
	25.80000	0.11000	9/25/17	3629
	34.40000	0.15000	9/26/17	3629
	34.40000	0.15000	9/27/17	3629
	34.40000	0.15000	9/28/17	3629
	34.40000	0.15000	9/29/17	3629
	34.40000	0.15000	10/2/17	3629
	25.80000	0.11000	10/2/17	3629
	24.56000	0.11000	10/2/17	3629
	32.75000	0.15000	10/3/17	3629
	32.75000	0.15000	10/4/17	3629
	32.75000	0.15000	10/5/17	3629
	32.75000	0.15000	10/6/17	3629
	32.75000	0.15000	10/9/17	3629
	24.56000	0.11000	10/9/17	3629
	24.56000	0.11000	10/9/17	3629
	32.75000	0.15000	10/10/17	3629
	32.75000	0.15000	10/11/17	3629
	32.75000	0.15000	10/12/17	3629
	32.75000	0.15000	10/13/17	3629
	32.75000	0.15000	10/16/17	3629
	24.56000	0.11000	10/16/17	3629
	24.56000	0.11000	10/16/17	3629
	32.75000	0.15000	10/17/17	3629
	32.75000	0.15000	10/18/17	3629
	32.75000	0.15000	10/19/17	3629

	32.75000	0.15000	10/20/17	3629
	32.75000	0.15000	10/23/17	3629
	24.56000	0.11000	10/23/17	3629
	24.56000	0.11000	10/23/17	3629
	32.75000	0.15000	10/24/17	3629
	32.75000	0.15000	10/25/17	3629
	32.75000	0.15000	10/26/17	3629
	32.75000	0.15000	10/27/17	3629
	32.75000	0.15000	10/30/17	3629
	24.56000	0.11000	10/30/17	3629
	24.56000	0.11000	10/30/17	3629
	32.75000	0.15000	10/31/17	3629
	32.75000	0.15000	11/1/17	3629
	33.30000	0.30000	11/2/17	3629
	33.30000	0.30000	11/3/17	3629
	33.30000	0.30000	11/6/17	3629
	24.98000	0.23000	11/6/17	3629
	24.98000	0.23000	11/6/17	3629
	33.30000	0.30000	11/7/17	3629
	33.30000	0.30000	11/8/17	3629
	33.30000	0.30000	11/9/17	3629
	33.30000	0.30000	11/10/17	3629
	33.30000	0.30000	11/13/17	3629
	24.98000	0.23000	11/13/17	3629
	24.98000	0.23000	11/13/17	3629
	33.30000	0.30000	11/14/17	3629

	33.30000	0.30000	11/15/17	3629
	33.30000	0.30000	11/16/17	3629
	33.30000	0.30000	11/17/17	3629
	33.30000	0.30000	11/20/17	3629
	24.98000	0.23000	11/20/17	3629
	24.98000	0.23000	11/20/17	3629
	33.30000	0.30000	11/21/17	3629
	33.30000	0.30000	11/22/17	3629
	33.30000	0.30000	11/27/17	3629
	24.98000	0.23000	11/27/17	3629
	33.30000	0.30000	11/27/17	3629
	24.98000	0.23000	11/27/17	3629
	24.98000	0.23000	11/27/17	3629
	33.30000	0.30000	11/28/17	3629
	33.30000	0.30000	11/29/17	3629
	33.30000	0.30000	11/30/17	3629
	33.30000	0.30000	12/1/17	3629
	37.05000	0.20000	12/4/17	3629
	27.79000	0.15000	12/4/17	3629
	27.79000	0.15000	12/4/17	3629
	37.05000	0.20000	12/5/17	3629
	37.05000	0.20000	12/6/17	3629
	37.05000	0.20000	12/7/17	3629
	37.05000	0.20000	12/8/17	3629
	37.05000	0.20000	12/11/17	3629
	27.79000	0.15000	12/11/17	3629

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	37.05000	0.20000	12/14/17	3629
	37.05000	0.20000	12/15/17	3629
	37.05000	0.20000	12/18/17	3629
	27.79000	0.15000	12/18/17	3629
	27.79000	0.15000	12/18/17	3629
	37.05000	0.20000	12/19/17	3629
	37.05000	0.20000	12/20/17	3629
	37.05000	0.20000	12/21/17	3629
	37.05000	0.20000	12/22/17	3629
	37.05000	0.20000	12/26/17	3629
	27.79000	0.15000	12/26/17	3629
	27.79000	0.15000	12/26/17	3629
	27.79000	0.15000	12/26/17	3629
	37.05000	0.20000	12/27/17	3629
	37.05000	0.20000	12/28/17	3629
	37.05000	0.20000	12/29/17	3629
	37.05000	0.20000	1/2/18	3629
	27.79000	0.15000	1/2/18	3629
	27.79000	0.15000	1/2/18	3629
	34.76000	0.00000	10/4/16	18444
	36.39000	-0.31000	10/5/16	18444
	38.60000	6.95000	10/6/16	18444
	32.15000	0.50000	10/7/16	18444

	32.15000	0.50000	10/10/16	18444
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	25.25000	0.00000	10/10/16	18444
	32.15000	0.50000	10/11/16	18444
	32.15000	0.50000	10/12/16	18444
	32.15000	0.50000	10/13/16	18444
	32.15000	0.50000	10/14/16	18444
	32.15000	0.50000	10/17/16	18444
	27.86000	0.63000	10/17/16	18444
	27.86000	0.63000	10/17/16	18444
	32.15000	0.50000	10/18/16	18444
	32.15000	0.50000	10/19/16	18444
	32.15000	0.50000	10/20/16	18444
	32.15000	0.50000	10/21/16	18444
	32.15000	0.50000	10/24/16	18444
	27.86000	0.63000	10/24/16	18444
	27.86000	0.63000	10/24/16	18444
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	32.15000	0.50000	10/26/16	18444
	32.15000	0.50000	10/27/16	18444
	32.15000	0.50000	10/28/16	18444
	32.15000	0.50000	10/31/16	18444
	27.86000	0.63000	10/31/16	18444
	27.86000	0.63000	10/31/16	18444
	32.15000	0.50000	11/1/16	18444
	32.45000	1.15000	11/2/16	18444

	32.45000	1.15000	11/3/16	18444
	32.45000	1.15000	11/4/16	18444
	32.45000	1.15000	11/7/16	18444
	27.58000	0.97000	11/7/16	18444
	27.58000	0.97000	11/7/16	18444
	32.45000	1.15000	11/8/16	18444
	32.45000	1.15000	11/9/16	18444
	32.45000	1.15000	11/10/16	18444
	32.45000	1.15000	11/11/16	18444
	32.45000	1.15000	11/14/16	18444
	27.58000	0.97000	11/14/16	18444
	27.58000	0.97000	11/14/16	18444
	32.45000		11/15/16	18444
	32.45000		11/16/16	18444
	32.45000		11/17/16	18444
	22.48000	0.00000	10/4/16	18445
	22.83000	1.83000	10/5/16	18445
	21.00000	2.74000	10/6/16	18445
	18.40000	0.14000	10/7/16	18445
	18.40000	0.14000	10/10/16	18445
	15.70000	0.00000	10/10/16	18445
	15.70000	0.00000	10/10/16	18445
	18.40000	0.14000	10/11/16	18445
	18.40000	0.14000	10/12/16	18445
	18.40000	0.14000	10/13/16	18445
	18.40000	0.14000	10/14/16	18445

	18.40000	0.14000	10/17/16	18445
	18.57000	0.27000	10/17/16	18445
	18.57000	0.27000	10/17/16	18445
	18.40000	0.14000	10/18/16	18445
	18.40000	0.14000	10/19/16	18445
	18.40000	0.14000	10/20/16	18445
	18.40000	0.14000	10/21/16	18445
	18.40000	0.14000	10/24/16	18445
	18.57000	0.27000	10/24/16	18445
	18.57000	0.27000	10/24/16	18445
	18.40000	0.14000	10/25/16	18445
	18.40000	0.14000	10/26/16	18445
	18.40000	0.14000	10/27/16	18445
	18.40000	0.14000	10/28/16	18445
	18.40000	0.14000	10/31/16	18445
	18.57000	0.27000	10/31/16	18445
	18.57000	0.27000	10/31/16	18445
	18.40000	0.14000	11/1/16	18445
	18.27000	-0.35000	11/2/16	18445
	18.27000	-0.35000	11/3/16	18445
	18.27000	-0.35000	11/4/16	18445
	18.27000	-0.35000	11/7/16	18445
	18.53000	0.21000	11/7/16	18445
	18.53000	0.21000	11/7/16	18445
	18.27000	-0.35000	11/8/16	18445
	18.27000	-0.35000	11/9/16	18445

	18.27000	-0.35000	11/10/16	18445
	18.27000	-0.35000	11/11/16	18445
	18.27000	-0.35000	11/14/16	18445
	18.53000	0.21000	11/14/16	18445
	18.53000	0.21000	11/14/16	18445
	18.27000		11/15/16	18445
	18.27000		11/16/16	18445
	18.27000		11/17/16	18445
	22.44000	0.00000	10/4/16	2155
	22.54000	-13.66000	10/5/16	2155
	35.35000	2.35000	10/6/16	2155
	33.70000	0.70000	10/7/16	2155
	33.70000	0.70000	10/10/16	2155
	29.85000	0.00000	10/10/16	2155
	29.85000	0.00000	10/10/16	2155
	33.70000	0.70000	10/11/16	2155
	33.70000	0.70000	10/12/16	2155
	33.70000	0.70000	10/13/16	2155
	33.70000	0.70000	10/14/16	2155
	33.70000	0.70000	10/17/16	2155
	27.80000	0.05000	10/17/16	2155
	27.80000	0.05000	10/17/16	2155
	33.70000	0.70000	10/18/16	2155
	33.70000	0.70000	10/19/16	2155
	33.70000	0.70000	10/20/16	2155
	33.70000	0.70000	10/21/16	2155

	33.70000	0.70000	10/24/16	2155
	27.80000	0.05000	10/24/16	2155
	27.80000	0.05000	10/24/16	2155
	33.70000	0.70000	10/25/16	2155
	33.70000	0.70000	10/26/16	2155
	33.70000	0.70000	10/27/16	2155
	33.70000	0.70000	10/28/16	2155
	33.70000	0.70000	10/31/16	2155
	27.80000	0.05000	10/31/16	2155
	27.80000	0.05000	10/31/16	2155
	33.70000	0.70000	11/1/16	2155
	34.70000	1.30000	11/2/16	2155
	34.70000	1.30000	11/3/16	2155
	34.70000	1.30000	11/4/16	2155
	34.70000	1.30000	11/7/16	2155
	29.50000	1.11000	11/7/16	2155
	29.50000	1.11000	11/7/16	2155
	34.70000		11/8/16	2155
	34.70000		11/9/16	2155
	34.70000		11/10/16	2155
	36.45000	0.00000	10/4/16	2156
	32.71000	0.06000	11/2/16	2156
	34.70000	1.30000	12/2/16	2156
	42.10000	0.50000	1/4/17	2156
	59.65000	0.25000	2/2/17	2156
	58.40000	0.35000	3/2/17	2156

	41.20000	0.45000	4/4/17	2156
	34.80000	0.10000	5/2/17	2156
	35.35000	0.15000	6/2/17	2156
	37.85000	0.10000	7/5/17	2156
	45.85000	0.15000	8/2/17	2156
	42.95000	0.10000	9/5/17	2156
	35.65000	0.15000	10/3/17	2156
	34.30000	0.15000	11/2/17	2156
	34.70000	0.30000	12/4/17	2156
	40.15000	0.20000	1/3/18	2156
	59.25000	0.30000	2/2/18	2156
	55.90000	0.30000	3/2/18	2156
	38.50000	0.10000	4/3/18	2156
	33.05000	0.10000	5/2/18	2156
	33.30000	0.00000	6/4/18	2156
	36.75000	0.00000	7/3/18	2156
	49.10000	0.00000	8/2/18	2156
	44.00000	0.00000	9/5/18	2156
	35.10000	0.15000	10/2/18	2156
	33.50000	0.00000	11/2/18	2156
	34.25000	0.00000	12/4/18	2156
	38.60000	0.00000	1/3/19	2156
	57.70000	-0.15000	2/4/19	2156
	54.05000	-0.10000	3/4/19	2156
	36.60000	-0.10000	4/2/19	2156
	31.90000	-0.05000	5/2/19	2156

	30.05000	-0.05000	6/4/19	2156
	35.65000	0.30000	7/2/19	2156
	48.60000	-0.10000	8/2/19	2156
	43.60000	-0.10000	9/4/19	2156
	33.60000	-0.05000	10/2/19	2156
	33.00000	-0.05000	11/4/19	2156
	33.50000	-0.05000	12/3/19	2156
	37.40000	-0.10000	1/3/20	2156
	57.60000	-0.15000	2/4/20	2156
	53.25000	-0.10000	3/3/20	2156
	36.25000	-0.10000	4/2/20	2156
	31.50000	-0.05000	5/4/20	2156
	31.45000	-0.10000	6/2/20	2156
	35.85000	0.30000	7/2/20	2156
	48.15000	-0.10000	8/4/20	2156
	43.30000	-0.10000	9/2/20	2156
	33.55000	-0.05000	10/2/20	2156
	32.55000	-0.05000	11/3/20	2156
	32.00000	-0.05000	12/2/20	2156
	37.60000	-0.10000	1/5/21	2156
	13.91000	0.00000	10/4/16	2157
	13.53000	-5.92000	10/5/16	2157
	19.15000	-0.41000	10/6/16	2157
	20.24000	0.68000	10/7/16	2157
	20.24000	0.68000	10/10/16	2157
	21.20000	0.00000	10/10/16	2157

	21.20000	0.00000	10/10/16	2157
	20.24000	0.68000	10/11/16	2157
	20.24000	0.68000	10/12/16	2157
	20.24000	0.68000	10/13/16	2157
	20.24000	0.68000	10/14/16	2157
	20.24000	0.68000	10/17/16	2157
	18.41000	0.12000	10/17/16	2157
	18.41000	0.12000	10/17/16	2157
	20.24000	0.68000	10/18/16	2157
	20.24000	0.68000	10/19/16	2157
	20.24000	0.68000	10/20/16	2157
	20.24000	0.68000	10/21/16	2157
	20.24000	0.68000	10/24/16	2157
	18.41000	0.12000	10/24/16	2157
	18.41000	0.12000	10/24/16	2157
	20.24000	0.68000	10/25/16	2157
	20.24000	0.68000	10/26/16	2157
	20.24000	0.68000	10/27/16	2157
	20.24000	0.68000	10/28/16	2157
	20.24000	0.68000	10/31/16	2157
	18.41000	0.12000	10/31/16	2157
	18.41000	0.12000	10/31/16	2157
	20.24000	0.68000	11/1/16	2157
	20.95000	-0.95000	11/2/16	2157
	20.95000	-0.95000	11/3/16	2157
	20.95000	-0.95000	11/4/16	2157

	20.95000	-0.95000	11/7/16	2157
	20.44000	0.00000	11/7/16	2157
	20.44000	0.00000	11/7/16	2157
	20.95000		11/8/16	2157
	20.95000		11/9/16	2157
	20.95000		11/10/16	2157
	20.88000	0.00000	10/4/16	2158
	21.66000	0.15000	11/2/16	2158
	24.05000	0.00000	12/2/16	2158
	29.95000	0.20000	1/4/17	2158
	47.85000	0.20000	2/2/17	2158
	43.35000	0.15000	3/2/17	2158
	30.45000	0.00000	4/4/17	2158
	24.35000	0.00000	5/2/17	2158
	21.85000	0.25000	6/2/17	2158
	22.00000	0.00000	7/5/17	2158
	25.35000	0.00000	8/2/17	2158
	23.20000	0.00000	9/5/17	2158
	21.50000	0.00000	10/3/17	2158
	24.20000	0.00000	11/2/17	2158
	24.15000	0.00000	12/4/17	2158
	28.90000	0.00000	1/3/18	2158
	45.15000	0.15000	2/2/18	2158
	42.15000	0.15000	3/2/18	2158
	29.15000	0.05000	4/3/18	2158
	24.95000	0.05000	5/2/18	2158

	20.90000	0.00000	6/4/18	2158
	21.95000	0.00000	7/3/18	2158
	25.30000	0.05000	8/2/18	2158
	24.55000	0.05000	9/5/18	2158
	21.20000	0.00000	10/2/18	2158
	22.80000	0.00000	11/2/18	2158
	23.05000	0.05000	12/4/18	2158
	27.10000	0.05000	1/3/19	2158
	43.95000	0.05000	2/4/19	2158
	41.45000	0.05000	3/4/19	2158
	28.50000	0.05000	4/2/19	2158
	23.95000	0.05000	5/2/19	2158
	21.25000	0.05000	6/4/19	2158
	22.15000	0.05000	7/2/19	2158
	26.20000	0.05000	8/2/19	2158
	24.90000	0.05000	9/4/19	2158
	22.20000	0.05000	10/2/19	2158
	21.95000	0.05000	11/4/19	2158
	23.30000	0.05000	12/3/19	2158
	25.50000	0.05000	1/3/20	2158
	43.30000	0.05000	2/4/20	2158
	40.70000	0.05000	3/3/20	2158
	28.95000	0.05000	4/2/20	2158
	23.70000	0.05000	5/4/20	2158
	21.15000	0.05000	6/2/20	2158
	22.05000	0.05000	7/2/20	2158

	25.70000	0.05000	8/4/20	2158
	25.35000	0.05000	9/2/20	2158
	21.40000	0.05000	10/2/20	2158
	22.15000	0.05000	11/3/20	2158
	22.80000	0.05000	12/2/20	2158
	27.00000	0.05000	1/5/21	2158
	33.43000	0.00000	10/4/16	15874
	34.49000	-10.46000	10/5/16	15874
	46.85000	8.44000	10/6/16	15874
	38.90000	0.49000	10/7/16	15874
	38.90000	0.49000	10/10/16	15874
	46.00000	0.00000	10/10/16	15874
	46.00000	0.00000	10/10/16	15874
	38.90000	0.49000	10/11/16	15874
	38.90000	0.49000	10/12/16	15874
	38.90000	0.49000	10/13/16	15874
	38.90000	0.49000	10/14/16	15874
	38.90000	0.49000	10/17/16	15874
	32.99000	0.28000	10/17/16	15874
	32.99000	0.28000	10/17/16	15874
	38.90000	0.49000	10/18/16	15874
	38.90000	0.49000	10/19/16	15874
	38.90000	0.49000	10/20/16	15874
	38.90000	0.49000	10/21/16	15874
	38.90000	0.49000	10/24/16	15874
	32.99000	0.28000	10/24/16	15874

	32.99000	0.28000	10/24/16	15874
	38.90000	0.49000	10/25/16	15874
	38.90000	0.49000	10/26/16	15874
	38.90000	0.49000	10/27/16	15874
	38.90000	0.49000	10/28/16	15874
	38.90000	0.49000	10/31/16	15874
	32.99000	0.28000	10/31/16	15874
	32.99000	0.28000	10/31/16	15874
	38.90000	0.49000	11/1/16	15874
	37.70000	0.55000	11/2/16	15874
	37.70000	0.55000	11/3/16	15874
	37.70000	0.55000	11/4/16	15874
	37.70000	0.55000	11/7/16	15874
	32.05000	0.47000	11/7/16	15874
	32.05000	0.47000	11/7/16	15874
	37.70000	0.55000	11/8/16	15874
	37.70000	0.55000	11/9/16	15874
	37.70000	0.55000	11/10/16	15874
	37.70000	0.55000	11/11/16	15874
	37.70000	0.55000	11/14/16	15874
	32.05000	0.47000	11/14/16	15874
	32.05000	0.47000	11/14/16	15874
	37.70000		11/15/16	15874
	37.70000		11/16/16	15874
	37.70000		11/17/16	15874
	21.70000	0.00000	10/4/16	15875

	21.43000	-3.02000	10/5/16	15875
	24.15000	3.41000	10/6/16	15875
	21.00000	0.26000	10/7/16	15875
	21.00000	0.26000	10/10/16	15875
	14.20000	0.00000	10/10/16	15875
	14.20000	0.00000	10/10/16	15875
	21.00000	0.26000	10/11/16	15875
	21.00000	0.26000	10/12/16	15875
	21.00000	0.26000	10/13/16	15875
	21.00000	0.26000	10/14/16	15875
	21.00000	0.26000	10/17/16	15875
	22.16000	0.16000	10/17/16	15875
	22.16000	0.16000	10/17/16	15875
	21.00000	0.26000	10/18/16	15875
	21.00000	0.26000	10/19/16	15875
	21.00000	0.26000	10/20/16	15875
	21.00000	0.26000	10/21/16	15875
	21.00000	0.26000	10/24/16	15875
	22.16000	0.16000	10/24/16	15875
	22.16000	0.16000	10/24/16	15875
	21.00000	0.26000	10/25/16	15875
	21.00000	0.26000	10/26/16	15875
	21.00000	0.26000	10/27/16	15875
	21.00000	0.26000	10/28/16	15875
	21.00000	0.26000	10/31/16	15875
	22.16000	0.16000	10/31/16	15875

	22.16000	0.16000	10/31/16	15875
	21.00000	0.26000	11/1/16	15875
	28.56000	0.08000	11/2/16	15875
	28.56000	0.08000	11/3/16	15875
	28.56000	0.08000	11/4/16	15875
	28.56000	0.08000	11/7/16	15875
	24.78000	0.21000	11/7/16	15875
	24.78000	0.21000	11/7/16	15875
	28.56000	0.08000	11/8/16	15875
	28.56000	0.08000	11/9/16	15875
	28.56000	0.08000	11/10/16	15875
	28.56000	0.08000	11/11/16	15875
	28.56000	0.08000	11/14/16	15875
	24.78000	0.21000	11/14/16	15875
	24.78000	0.21000	11/14/16	15875
	28.56000		11/15/16	15875
	28.56000		11/16/16	15875
	28.56000		11/17/16	15875
	38.60000	0.00000	10/4/16	15872
	38.81000	0.33000	11/2/16	15872
	37.70000	0.55000	12/2/16	15872
	40.40000	0.60000	1/4/17	15872
	48.85000	0.25000	2/2/17	15872
	45.60000	0.30000	3/2/17	15872
	40.75000	0.45000	4/4/17	15872
	32.45000	0.10000	5/2/17	15872

	34.55000	0.15000	6/2/17	15872
	37.40000	0.10000	7/5/17	15872
	45.25000	0.05000	8/2/17	15872
	40.55000	0.05000	9/5/17	15872
	34.50000	0.15000	10/3/17	15872
	33.30000	0.15000	11/2/17	15872
	32.80000	0.30000	12/4/17	15872
	37.65000	0.20000	1/3/18	15872
	50.15000	0.30000	2/2/18	15872
	46.20000	0.30000	3/2/18	15872
	40.60000	0.10000	4/3/18	15872
	32.55000	0.10000	5/2/18	15872
	34.50000	0.00000	6/4/18	15872
	37.60000	0.00000	7/3/18	15872
	46.90000	0.00000	8/2/18	15872
	42.60000	0.00000	9/5/18	15872
	34.10000	0.15000	10/2/18	15872
	32.85000	0.00000	11/2/18	15872
	32.50000	0.00000	12/4/18	15872
	36.90000	0.00000	1/3/19	15872
	49.85000	-0.15000	2/4/19	15872
	45.90000	-0.10000	3/4/19	15872
	40.05000	-0.10000	4/2/19	15872
	32.05000	-0.05000	5/2/19	15872
	34.10000	-0.05000	6/4/19	15872
	37.20000	0.30000	7/2/19	15872

	44.85000	-0.10000	8/2/19	15872
	40.70000	-0.10000	9/4/19	15872
	33.90000	-0.05000	10/2/19	15872
	32.80000	-0.05000	11/4/19	15872
	32.50000	-0.05000	12/3/19	15872
	40.20000	-0.10000	1/3/20	15872
	51.55000	-0.15000	2/4/20	15872
	47.40000	-0.10000	3/3/20	15872
	41.80000	-0.10000	4/2/20	15872
	33.50000	-0.05000	5/4/20	15872
	35.45000	-0.10000	6/2/20	15872
	38.80000	0.30000	7/2/20	15872
	46.80000	-0.10000	8/4/20	15872
	42.55000	-0.10000	9/2/20	15872
	35.30000	-0.05000	10/2/20	15872
	34.40000	-0.05000	11/3/20	15872
	34.10000	-0.05000	12/2/20	15872
	37.95000	-0.10000	1/5/21	15872
	22.35000	0.00000	10/4/16	15873
	26.07000	0.19000	11/2/16	15873
	29.15000	0.25000	12/2/16	15873
	30.70000	0.20000	1/4/17	15873
	38.00000	0.10000	2/2/17	15873
	34.00000	0.10000	3/2/17	15873
	29.35000	0.00000	4/4/17	15873
	23.80000	0.00000	5/2/17	15873

	21.50000	0.25000	6/2/17	15873
	22.85000	0.00000	7/5/17	15873
	25.15000	0.00000	8/2/17	15873
	22.85000	0.00000	9/5/17	15873
	22.40000	0.00000	10/3/17	15873
	24.50000	0.00000	11/2/17	15873
	24.70000	0.00000	12/4/17	15873
	29.10000	0.00000	1/3/18	15873
	40.70000	0.15000	2/2/18	15873
	36.05000	0.15000	3/2/18	15873
	32.60000	0.05000	4/3/18	15873
	26.35000	0.05000	5/2/18	15873
	23.55000	0.00000	6/4/18	15873
	25.20000	0.00000	7/3/18	15873
	27.80000	0.05000	8/2/18	15873
	25.30000	0.05000	9/5/18	15873
	23.10000	0.00000	10/2/18	15873
	25.55000	0.00000	11/2/18	15873
	26.55000	0.05000	12/4/18	15873
	31.85000	0.05000	1/3/19	15873
	41.25000	0.05000	2/4/19	15873
	36.40000	0.05000	3/4/19	15873
	32.05000	0.05000	4/2/19	15873
	25.95000	0.05000	5/2/19	15873
	22.90000	0.05000	6/4/19	15873
	24.75000	0.05000	7/2/19	15873

	27.55000	0.05000	8/2/19	15873
	24.85000	0.05000	9/4/19	15873
	23.55000	0.05000	10/2/19	15873
	25.75000	0.05000	11/4/19	15873
	26.65000	0.05000	12/3/19	15873
	29.55000	0.05000	1/3/20	15873
	41.75000	0.05000	2/4/20	15873
	36.90000	0.05000	3/3/20	15873
	32.45000	0.05000	4/2/20	15873
	26.20000	0.05000	5/4/20	15873
	23.20000	0.05000	6/2/20	15873
	25.10000	0.05000	7/2/20	15873
	27.80000	0.05000	8/4/20	15873
	25.15000	0.05000	9/2/20	15873
	23.85000	0.05000	10/2/20	15873
	26.15000	0.05000	11/3/20	15873
	27.10000	0.05000	12/2/20	15873
	31.20000	0.05000	1/5/21	15873
	31.95000	0.00000	10/4/16	18446
	33.09000	2.79000	10/5/16	18446
	32.20000	-0.30000	10/6/16	18446
	33.00000	0.50000	10/7/16	18446
	33.00000	0.50000	10/10/16	18446
	31.60000	0.00000	10/10/16	18446
	31.60000	0.00000	10/10/16	18446
	33.00000	0.50000	10/11/16	18446

	33.00000	0.50000	10/12/16	18446
	33.00000	0.50000	10/13/16	18446
	33.00000	0.50000	10/14/16	18446
	33.00000	0.50000	10/17/16	18446
	27.98000	0.47000	10/17/16	18446
	27.98000	0.47000	10/17/16	18446
	33.00000	0.50000	10/18/16	18446
	33.00000	0.50000	10/19/16	18446
	33.00000	0.50000	10/20/16	18446
	33.00000	0.50000	10/21/16	18446
	33.00000	0.50000	10/24/16	18446
	27.98000	0.47000	10/24/16	18446
	27.98000	0.47000	10/24/16	18446
	33.00000	0.50000	10/25/16	18446
	33.00000	0.50000	10/26/16	18446
	33.00000	0.50000	10/27/16	18446
	33.00000	0.50000	10/28/16	18446
	33.00000	0.50000	10/31/16	18446
	27.98000	0.47000	10/31/16	18446
	27.98000	0.47000	10/31/16	18446
	33.00000	0.50000	11/1/16	18446
	33.80000	0.55000	11/2/16	18446
	33.80000	0.55000	11/3/16	18446
	33.80000	0.55000	11/4/16	18446
	33.80000	0.55000	11/7/16	18446
	28.73000	0.47000	11/7/16	18446

	28.73000	0.47000	11/7/16	18446
	33.80000	0.55000	11/8/16	18446
	33.80000	0.55000	11/9/16	18446
	33.80000	0.55000	11/10/16	18446
	33.80000	0.55000	11/11/16	18446
	33.80000	0.55000	11/14/16	18446
	28.73000	0.47000	11/14/16	18446
	28.73000	0.47000	11/14/16	18446
	33.80000		11/15/16	18446
	33.80000		11/16/16	18446
	33.80000		11/17/16	18446
	22.21000	0.00000	10/4/16	18447
	21.84000	1.84000	10/5/16	18447
	20.00000	-1.06000	10/6/16	18447
	21.34000	0.28000	10/7/16	18447
	21.34000	0.28000	10/10/16	18447
	23.20000	0.00000	10/10/16	18447
	23.20000	0.00000	10/10/16	18447
	21.34000	0.28000	10/11/16	18447
	21.34000	0.28000	10/12/16	18447
	21.34000	0.28000	10/13/16	18447
	21.34000	0.28000	10/14/16	18447
	21.34000	0.28000	10/17/16	18447
	20.28000	0.22000	10/17/16	18447
	20.28000	0.22000	10/17/16	18447
	21.34000	0.28000	10/18/16	18447

	21.34000	0.28000	10/19/16	18447
	21.34000	0.28000	10/20/16	18447
	21.34000	0.28000	10/21/16	18447
	21.34000	0.28000	10/24/16	18447
	20.28000	0.22000	10/24/16	18447
	20.28000	0.22000	10/24/16	18447
	21.34000	0.28000	10/25/16	18447
	21.34000	0.28000	10/26/16	18447
	21.34000	0.28000	10/27/16	18447
	21.34000	0.28000	10/28/16	18447
	21.34000	0.28000	10/31/16	18447
	20.28000	0.22000	10/31/16	18447
	20.28000	0.22000	10/31/16	18447
	21.34000	0.28000	11/1/16	18447
	21.99000	-0.40000	11/2/16	18447
	21.99000	-0.40000	11/3/16	18447
	21.99000	-0.40000	11/4/16	18447
	21.99000	-0.40000	11/7/16	18447
	20.61000	0.00000	11/7/16	18447
	20.61000	0.00000	11/7/16	18447
	21.99000	-0.40000	11/8/16	18447
	21.99000	-0.40000	11/9/16	18447
	21.99000	-0.40000	11/10/16	18447
	21.99000	-0.40000	11/11/16	18447
	21.99000	-0.40000	11/14/16	18447
	20.61000	0.00000	11/14/16	18447

	20.61000	0.00000	11/14/16	18447
	21.99000		11/15/16	18447
	21.99000		11/16/16	18447
	21.99000		11/17/16	18447
	23.89000	0.00000	10/4/16	18448
	24.46000	-16.74000	10/5/16	18448
	40.35000	13.60000	10/6/16	18448
	27.45000	0.70000	10/7/16	18448
	27.45000	0.70000	10/10/16	18448
	22.85000	0.00000	10/10/16	18448
	22.85000	0.00000	10/10/16	18448
	27.45000	0.70000	10/11/16	18448
	27.45000	0.70000	10/12/16	18448
	27.45000	0.70000	10/13/16	18448
	27.45000	0.70000	10/14/16	18448
	27.45000	0.70000	10/17/16	18448
	23.59000	0.38000	10/17/16	18448
	23.59000	0.38000	10/17/16	18448
	27.45000	0.70000	10/18/16	18448
	27.45000	0.70000	10/19/16	18448
	27.45000	0.70000	10/20/16	18448
	27.45000	0.70000	10/21/16	18448
	27.45000	0.70000	10/24/16	18448
	23.59000	0.38000	10/24/16	18448
	23.59000	0.38000	10/24/16	18448
	27.45000	0.70000	10/25/16	18448

	27.45000	0.70000	10/26/16	18448
	27.45000	0.70000	10/27/16	18448
	27.45000	0.70000	10/28/16	18448
	27.45000	0.70000	10/31/16	18448
	23.59000	0.38000	10/31/16	18448
	23.59000	0.38000	10/31/16	18448
	27.45000	0.70000	11/1/16	18448
	28.75000	1.30000	11/2/16	18448
	28.75000	1.30000	11/3/16	18448
	28.75000	1.30000	11/4/16	18448
	28.75000	1.30000	11/7/16	18448
	24.44000	1.11000	11/7/16	18448
	24.44000	1.11000	11/7/16	18448
	28.75000	1.30000	11/8/16	18448
	28.75000	1.30000	11/9/16	18448
	28.75000	1.30000	11/10/16	18448
	28.75000	1.30000	11/11/16	18448
	28.75000	1.30000	11/14/16	18448
	24.44000	1.11000	11/14/16	18448
	24.44000	1.11000	11/14/16	18448
	28.75000		11/15/16	18448
	28.75000		11/16/16	18448
	28.75000		11/17/16	18448
	14.11000	0.00000	10/4/16	18449
	13.63000	-11.82000	10/5/16	18449
	25.15000	9.49000	10/6/16	18449

	16.12000	0.46000	10/7/16	18449
	16.12000	0.46000	10/10/16	18449
	14.20000	0.00000	10/10/16	18449
	14.20000	0.00000	10/10/16	18449
	16.12000	0.46000	10/11/16	18449
	16.12000	0.46000	10/12/16	18449
	16.12000	0.46000	10/13/16	18449
	16.12000	0.46000	10/14/16	18449
	16.12000	0.46000	10/17/16	18449
	15.38000	0.20000	10/17/16	18449
	15.38000	0.20000	10/17/16	18449
	16.12000	0.46000	10/18/16	18449
	16.12000	0.46000	10/19/16	18449
	16.12000	0.46000	10/20/16	18449
	16.12000	0.46000	10/21/16	18449
	16.12000	0.46000	10/24/16	18449
	15.38000	0.20000	10/24/16	18449
	15.38000	0.20000	10/24/16	18449
	16.12000	0.46000	10/25/16	18449
	16.12000	0.46000	10/26/16	18449
	16.12000	0.46000	10/27/16	18449
	16.12000	0.46000	10/28/16	18449
	16.12000	0.46000	10/31/16	18449
	15.38000	0.20000	10/31/16	18449
	15.38000	0.20000	10/31/16	18449
	16.12000	0.46000	11/1/16	18449

	17.02000	-0.95000	11/2/16	18449
	17.02000	-0.95000	11/3/16	18449
	17.02000	-0.95000	11/4/16	18449
	17.02000	-0.95000	11/7/16	18449
	16.79000	0.00000	11/7/16	18449
	16.79000	0.00000	11/7/16	18449
	17.02000	-0.95000	11/8/16	18449
	17.02000	-0.95000	11/9/16	18449
	17.02000	-0.95000	11/10/16	18449
	17.02000	-0.95000	11/11/16	18449
	17.02000	-0.95000	11/14/16	18449
	16.79000	0.00000	11/14/16	18449
	16.79000	0.00000	11/14/16	18449
	17.02000		11/15/16	18449
	17.02000		11/16/16	18449
	17.02000		11/17/16	18449
	20.27000	0.00000	10/4/16	18450
	21.30000	-19.90000	10/5/16	18450
	40.35000	14.35000	10/6/16	18450
	26.70000	0.70000	10/7/16	18450
	26.70000	0.70000	10/10/16	18450
	17.85000	0.00000	10/10/16	18450
	17.85000	0.00000	10/10/16	18450
	26.70000	0.70000	10/11/16	18450
	26.70000	0.70000	10/12/16	18450
	26.70000	0.70000	10/13/16	18450

	26.70000	0.70000	10/14/16	18450
	26.70000	0.70000	10/17/16	18450
	22.77000	0.29000	10/17/16	18450
	22.77000	0.29000	10/17/16	18450
	26.70000	0.70000	10/18/16	18450
	26.70000	0.70000	10/19/16	18450
	26.70000	0.70000	10/20/16	18450
	26.70000	0.70000	10/21/16	18450
	26.70000	0.70000	10/24/16	18450
	22.77000	0.29000	10/24/16	18450
	22.77000	0.29000	10/24/16	18450
	26.70000	0.70000	10/25/16	18450
	26.70000	0.70000	10/26/16	18450
	26.70000	0.70000	10/27/16	18450
	26.70000	0.70000	10/28/16	18450
	26.70000	0.70000	10/31/16	18450
	22.77000	0.29000	10/31/16	18450
	22.77000	0.29000	10/31/16	18450
	26.70000	0.70000	11/1/16	18450
	29.15000	1.30000	11/2/16	18450
	29.15000	1.30000	11/3/16	18450
	29.15000	1.30000	11/4/16	18450
	29.15000	1.30000	11/7/16	18450
	24.78000	1.11000	11/7/16	18450
	24.78000	1.11000	11/7/16	18450
	29.15000	1.30000	11/8/16	18450

	29.15000	1.30000	11/9/16	18450
	29.15000	1.30000	11/10/16	18450
	29.15000	1.30000	11/11/16	18450
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	29.15000		11/15/16	18450
	29.15000		11/16/16	18450
	29.15000		11/17/16	18450
	12.11000	0.00000	10/4/16	18451
	13.21000	-4.24000	10/5/16	18451
	17.15000	2.99000	10/6/16	18451
	14.69000	0.53000	10/7/16	18451
	14.69000	0.53000	10/10/16	18451
	14.20000	0.00000	10/10/16	18451
	14.20000	0.00000	10/10/16	18451
	14.69000	0.53000	10/11/16	18451
	14.69000	0.53000	10/12/16	18451
	14.69000	0.53000	10/13/16	18451
	14.69000	0.53000	10/14/16	18451
	14.69000	0.53000	10/17/16	18451
	13.82000	0.21000	10/17/16	18451
	13.82000	0.21000	10/17/16	18451
	14.69000	0.53000	10/18/16	18451
	14.69000	0.53000	10/19/16	18451
	14.69000	0.53000	10/20/16	18451

	14.69000	0.53000	10/21/16	18451
	14.69000	0.53000	10/24/16	18451
	13.82000	0.21000	10/24/16	18451
	13.82000	0.21000	10/24/16	18451
	14.69000	0.53000	10/25/16	18451
	14.69000	0.53000	10/26/16	18451
	14.69000	0.53000	10/27/16	18451
	14.69000	0.53000	10/28/16	18451
	14.69000	0.53000	10/31/16	18451
	13.82000	0.21000	10/31/16	18451
	13.82000	0.21000	10/31/16	18451
	14.69000	0.53000	11/1/16	18451
	18.84000	-0.95000	11/2/16	18451
	18.84000	-0.95000	11/3/16	18451
	18.84000	-0.95000	11/4/16	18451
	18.84000	-0.95000	11/7/16	18451
	17.72000	0.00000	11/7/16	18451
	17.72000	0.00000	11/7/16	18451
	18.84000	-0.95000	11/8/16	18451
	18.84000	-0.95000	11/9/16	18451
	18.84000	-0.95000	11/10/16	18451
	18.84000	-0.95000	11/11/16	18451
	18.84000	-0.95000	11/14/16	18451
	17.72000	0.00000	11/14/16	18451
	17.72000	0.00000	11/14/16	18451
	18.84000		11/15/16	18451

	18.84000		11/16/16	18451
	18.84000		11/17/16	18451
	39.02000	0.00000	10/4/16	1858
	34.00000	0.71000	11/2/16	1858
	34.75000	1.30000	12/2/16	1858
	40.35000	0.50000	1/4/17	1858
	54.20000	0.25000	2/2/17	1858
	53.00000	0.35000	3/2/17	1858
	41.00000	0.45000	4/4/17	1858
	35.00000	0.10000	5/2/17	1858
	35.65000	0.15000	6/2/17	1858
	36.50000	0.10000	7/5/17	1858
	44.35000	0.15000	8/2/17	1858
	40.80000	0.10000	9/5/17	1858
	34.45000	0.15000	10/3/17	1858
	32.95000	0.15000	11/2/17	1858
	33.45000	0.30000	12/4/17	1858
	37.20000	0.20000	1/3/18	1858
	54.35000	0.30000	2/2/18	1858
	50.75000	0.30000	3/2/18	1858
	37.70000	0.10000	4/3/18	1858
	32.60000	0.10000	5/2/18	1858
	33.10000	0.00000	6/4/18	1858
	33.80000	0.00000	7/3/18	1858
	43.90000	0.00000	8/2/18	1858
	39.15000	0.00000	9/5/18	1858

	31.70000	0.15000	10/2/18	1858
	30.20000	0.00000	11/2/18	1858
	30.90000	0.00000	12/4/18	1858
	33.20000	0.00000	1/3/19	1858
	53.15000	-0.15000	2/4/19	1858
	49.25000	-0.10000	3/4/19	1858
	35.70000	-0.10000	4/2/19	1858
	31.20000	-0.05000	5/2/19	1858
	30.05000	-0.05000	6/4/19	1858
	32.80000	0.30000	7/2/19	1858
	43.20000	-0.10000	8/2/19	1858
	38.45000	-0.10000	9/4/19	1858
	30.30000	-0.05000	10/2/19	1858
	29.05000	-0.05000	11/4/19	1858
	29.55000	-0.05000	12/3/19	1858
	32.35000	-0.10000	1/3/20	1858
	53.40000	-0.15000	2/4/20	1858
	48.55000	-0.10000	3/3/20	1858
	35.40000	-0.10000	4/2/20	1858
	30.75000	-0.05000	5/4/20	1858
	31.25000	-0.10000	6/2/20	1858
	33.00000	0.30000	7/2/20	1858
	42.75000	-0.10000	8/4/20	1858
	37.85000	-0.10000	9/2/20	1858
	30.25000	-0.05000	10/2/20	1858
	28.60000	-0.05000	11/3/20	1858

	29.00000	-0.05000	12/2/20	1858
	32.60000	-0.10000	1/5/21	1858
	54.50000	-0.10000	2/2/21	1858
	48.85000	-0.10000	3/2/21	1858
	34.25000	-0.05000	4/5/21	1858
	30.35000	-0.05000	5/4/21	1858
	31.05000	-0.05000	6/2/21	1858
	32.75000	-0.05000	7/2/21	1858
	43.80000	-0.05000	8/3/21	1858
	38.65000	-0.05000	9/2/21	1858
	30.60000	-0.05000	10/4/21	1858
	28.90000	-0.05000	11/2/21	1858
	29.45000	-0.05000	12/2/21	1858
	32.05000	-0.05000	1/4/22	1858
	54.55000	-0.10000	2/2/22	1858
	50.40000	-0.10000	3/2/22	1858
	35.15000	-0.05000	4/4/22	1858
	30.65000	-0.05000	5/3/22	1858
	31.70000	-0.05000	6/2/22	1858
	33.70000	-0.05000	7/5/22	1858
	44.40000	-0.05000	8/2/22	1858
	39.00000	-0.05000	9/2/22	1858
	31.65000	-0.05000	10/4/22	1858
	29.10000	-0.05000	11/2/22	1858
	29.80000	-0.05000	12/2/22	1858
	32.40000	-0.05000	1/4/23	1858

	55.35000	-0.10000	2/2/23	1858
	51.20000	-0.10000	3/2/23	1858
	35.95000	-0.05000	4/4/23	1858
	31.30000	-0.05000	5/2/23	1858
	32.85000	-0.05000	6/2/23	1858
	34.90000	-0.05000	7/5/23	1858
	45.70000	-0.05000	8/2/23	1858
	40.20000	-0.05000	9/5/23	1858
	32.35000	-0.05000	10/3/23	1858
	29.65000	-0.05000	11/2/23	1858
	30.40000	-0.05000	12/4/23	1858
	33.30000	-0.05000	1/3/24	1858
	56.75000	-0.10000	2/2/24	1858
	52.00000	-0.10000	3/4/24	1858
	37.00000	-0.05000	4/2/24	1858
	32.25000	-0.05000	5/2/24	1858
	34.00000	-0.05000	6/4/24	1858
	36.05000	-0.05000	7/2/24	1858
	46.00000	-0.05000	8/2/24	1858
	40.75000	-0.05000	9/4/24	1858
	33.30000	-0.05000	10/2/24	1858
	30.30000	-0.05000	11/4/24	1858
	30.70000	-0.05000	12/3/24	1858
	34.75000	-0.05000	1/3/25	1858
	58.60000	-0.10000	2/4/25	1858
	53.70000	-0.10000	3/4/25	1858

	38.25000	-0.05000	4/2/25	1858
	33.25000	-0.05000	5/2/25	1858
	34.55000	-0.05000	6/3/25	1858
	36.45000	-0.05000	7/2/25	1858
	47.45000	-0.10000	8/4/25	1858
	42.05000	-0.05000	9/3/25	1858
	33.85000	-0.05000	10/2/25	1858
	31.45000	-0.05000	11/4/25	1858
	31.95000	-0.05000	12/2/25	1858
	35.95000	-0.05000	1/5/26	1858
	23.53000	0.00000	10/4/16	1859
	24.28000	0.32000	11/2/16	1859
	25.25000	0.00000	12/2/16	1859
	30.10000	0.20000	1/4/17	1859
	44.25000	0.20000	2/2/17	1859
	40.10000	0.15000	3/2/17	1859
	30.40000	0.00000	4/4/17	1859
	24.85000	0.00000	5/2/17	1859
	21.95000	0.25000	6/2/17	1859
	21.50000	0.00000	7/5/17	1859
	24.45000	0.00000	8/2/17	1859
	22.35000	0.00000	9/5/17	1859
	21.55000	0.00000	10/3/17	1859
	23.05000	0.00000	11/2/17	1859
	23.20000	0.00000	12/4/17	1859
	27.45000	0.00000	1/3/18	1859

	42.70000	0.15000	2/2/18	1859
	39.20000	0.15000	3/2/18	1859
	28.25000	0.05000	4/3/18	1859
	24.60000	0.05000	5/2/18	1859
	20.45000	0.00000	6/4/18	1859
	20.75000	0.00000	7/3/18	1859
	22.75000	0.05000	8/2/18	1859
	22.30000	0.05000	9/5/18	1859
	19.85000	0.00000	10/2/18	1859
	21.40000	0.00000	11/2/18	1859
	22.10000	0.05000	12/4/18	1859
	24.30000	0.05000	1/3/19	1859
	41.10000	0.05000	2/4/19	1859
	38.55000	0.05000	3/4/19	1859
	27.25000	0.05000	4/2/19	1859
	23.30000	0.05000	5/2/19	1859
	20.95000	0.05000	6/4/19	1859
	20.85000	0.05000	7/2/19	1859
	23.65000	0.05000	8/2/19	1859
	23.05000	0.05000	9/4/19	1859
	20.45000	0.05000	10/2/19	1859
	20.65000	0.05000	11/4/19	1859
	21.75000	0.05000	12/3/19	1859
	22.75000	0.05000	1/3/20	1859
	40.20000	0.05000	2/4/20	1859
	37.60000	0.05000	3/3/20	1859

	27.70000	0.05000	4/2/20	1859
	22.85000	0.05000	5/4/20	1859
	21.15000	0.05000	6/2/20	1859
	21.15000	0.05000	7/2/20	1859
	22.80000	0.05000	8/4/20	1859
	22.35000	0.05000	9/2/20	1859
	19.45000	0.05000	10/2/20	1859
	21.05000	0.05000	11/3/20	1859
	21.25000	0.05000	12/2/20	1859
	24.40000	0.05000	1/5/21	1859
	41.20000	0.10000	2/2/21	1859
	37.95000	0.05000	3/2/21	1859
	27.30000	0.05000	4/5/21	1859
	22.55000	0.05000	5/4/21	1859
	20.85000	0.05000	6/2/21	1859
	20.85000	0.05000	7/2/21	1859
	22.90000	0.05000	8/3/21	1859
	22.45000	0.05000	9/2/21	1859
	20.00000	0.05000	10/4/21	1859
	20.90000	0.05000	11/2/21	1859
	21.20000	0.05000	12/2/21	1859
	23.95000	0.05000	1/4/22	1859
	41.75000	0.05000	2/2/22	1859
	38.80000	0.05000	3/2/22	1859
	27.50000	0.05000	4/4/22	1859
	24.10000	0.05000	5/3/22	1859

	21.60000	0.05000	6/2/22	1859
	21.70000	0.05000	7/5/22	1859
	24.05000	0.05000	8/2/22	1859
	22.75000	0.05000	9/2/22	1859
	20.50000	0.05000	10/4/22	1859
	21.65000	0.05000	11/2/22	1859
	21.95000	0.05000	12/2/22	1859
	24.30000	0.05000	1/4/23	1859
	42.70000	0.05000	2/2/23	1859
	40.20000	0.05000	3/2/23	1859
	29.70000	0.05000	4/4/23	1859
	26.25000	0.05000	5/2/23	1859
	21.70000	0.05000	6/2/23	1859
	21.75000	0.05000	7/5/23	1859
	25.15000	0.05000	8/2/23	1859
	23.65000	0.05000	9/5/23	1859
	21.85000	0.05000	10/3/23	1859
	22.90000	0.05000	11/2/23	1859
	23.05000	0.05000	12/4/23	1859
	25.00000	0.05000	1/3/24	1859
	44.65000	0.05000	2/2/24	1859
	42.15000	0.05000	3/4/24	1859
	27.35000	0.05000	4/2/24	1859
	24.65000	0.05000	5/2/24	1859
	23.10000	0.05000	6/4/24	1859
	23.15000	0.05000	7/2/24	1859

	26.50000	0.05000	8/2/24	1859
	25.20000	0.05000	9/4/24	1859
	22.60000	0.05000	10/2/24	1859
	24.10000	0.05000	11/4/24	1859
	23.95000	0.05000	12/3/24	1859
	25.20000	0.05000	1/3/25	1859
	48.50000	0.10000	2/4/25	1859
	44.30000	0.05000	3/4/25	1859
	31.00000	0.05000	4/2/25	1859
	27.45000	0.05000	5/2/25	1859
	22.65000	0.05000	6/3/25	1859
	23.20000	0.05000	7/2/25	1859
	25.40000	0.05000	8/4/25	1859
	24.90000	0.05000	9/3/25	1859
	23.25000	0.05000	10/2/25	1859
	23.75000	0.05000	11/4/25	1859
	23.95000	0.05000	12/2/25	1859
	28.25000	0.05000	1/5/26	1859
	36.31000	0.00000	10/4/16	286
	33.97000	0.95000	11/2/16	286
	34.50000	0.55000	12/2/16	286
	39.45000	0.50000	1/4/17	286
	54.10000	0.25000	2/2/17	286
	52.85000	0.35000	3/2/17	286
	40.95000	0.45000	4/4/17	286
	35.10000	0.10000	5/2/17	286

	35.65000	0.15000	6/2/17	286
	36.55000	0.10000	7/5/17	286
	44.20000	0.00000	8/2/17	286
	40.70000	0.00000	9/5/17	286
	34.40000	0.15000	10/3/17	286
	32.75000	0.15000	11/2/17	286
	33.30000	0.30000	12/4/17	286
	37.05000	0.20000	1/3/18	286
	54.30000	0.30000	2/2/18	286
	50.65000	0.30000	3/2/18	286
	37.65000	0.10000	4/3/18	286
	32.55000	0.10000	5/2/18	286
	33.10000	0.00000	6/4/18	286
	33.75000	0.00000	7/3/18	286
	43.85000	0.00000	8/2/18	286
	39.10000	0.00000	9/5/18	286
	31.65000	0.15000	10/2/18	286
	30.15000	0.00000	11/2/18	286
	30.85000	0.00000	12/4/18	286
	33.15000	0.00000	1/3/19	286
	53.15000	-0.15000	2/4/19	286
	49.25000	-0.10000	3/4/19	286
	35.70000	-0.10000	4/2/19	286
	31.20000	-0.05000	5/2/19	286
	30.05000	-0.05000	6/4/19	286
	32.80000	0.30000	7/2/19	286

	43.20000	-0.10000	8/2/19	286
	38.45000	-0.10000	9/4/19	286
	30.30000	-0.05000	10/2/19	286
	29.05000	-0.05000	11/4/19	286
	29.55000	-0.05000	12/3/19	286
	32.35000	-0.10000	1/3/20	286
	53.40000	-0.15000	2/4/20	286
	48.55000	-0.10000	3/3/20	286
	35.40000	-0.10000	4/2/20	286
	30.75000	-0.05000	5/4/20	286
	31.25000	-0.10000	6/2/20	286
	33.00000	0.30000	7/2/20	286
	42.75000	-0.10000	8/4/20	286
	37.85000	-0.10000	9/2/20	286
	30.25000	-0.05000	10/2/20	286
	28.60000	-0.05000	11/3/20	286
	29.00000	-0.05000	12/2/20	286
	32.60000	-0.10000	1/5/21	286
	54.50000	-0.10000	2/2/21	286
	48.85000	-0.10000	3/2/21	286
	34.25000	-0.05000	4/5/21	286
	30.35000	-0.05000	5/4/21	286
	31.05000	-0.05000	6/2/21	286
	32.75000	-0.05000	7/2/21	286
	43.80000	-0.05000	8/3/21	286
	38.65000	-0.05000	9/2/21	286

	30.60000	-0.05000	10/4/21	286
	28.90000	-0.05000	11/2/21	286
	29.45000	-0.05000	12/2/21	286
	32.05000	-0.05000	1/4/22	286
	54.60000	-0.10000	2/2/22	286
	50.45000	-0.10000	3/2/22	286
	35.10000	-0.05000	4/4/22	286
	30.65000	-0.05000	5/3/22	286
	31.70000	-0.05000	6/2/22	286
	33.65000	-0.05000	7/5/22	286
	44.45000	-0.05000	8/2/22	286
	39.00000	-0.05000	9/2/22	286
	31.65000	-0.05000	10/4/22	286
	29.10000	-0.05000	11/2/22	286
	29.80000	-0.05000	12/2/22	286
	32.45000	-0.05000	1/4/23	286
	55.35000	-0.10000	2/2/23	286
	51.20000	-0.10000	3/2/23	286
	35.95000	-0.05000	4/4/23	286
	31.30000	-0.05000	5/2/23	286
	32.85000	-0.05000	6/2/23	286
	34.90000	-0.05000	7/5/23	286
	45.70000	-0.05000	8/2/23	286
	40.20000	-0.05000	9/5/23	286
	32.35000	-0.05000	10/3/23	286
	29.65000	-0.05000	11/2/23	286

	30.40000	-0.05000	12/4/23	286
	33.30000	-0.05000	1/3/24	286
	56.75000	-0.10000	2/2/24	286
	52.00000	-0.10000	3/4/24	286
	37.00000	-0.05000	4/2/24	286
	32.25000	-0.05000	5/2/24	286
	34.00000	-0.05000	6/4/24	286
	36.05000	-0.05000	7/2/24	286
	46.00000	-0.05000	8/2/24	286
	40.75000	-0.05000	9/4/24	286
	33.30000	-0.05000	10/2/24	286
	30.30000	-0.05000	11/4/24	286
	30.70000	-0.05000	12/3/24	286
	34.75000	-0.05000	1/3/25	286
	58.60000	-0.10000	2/4/25	286
	53.70000	-0.10000	3/4/25	286
	38.25000	-0.05000	4/2/25	286
	33.25000	-0.05000	5/2/25	286
	34.55000	-0.05000	6/3/25	286
	36.45000	-0.05000	7/2/25	286
	47.45000	-0.10000	8/4/25	286
	42.05000	-0.05000	9/3/25	286
	33.85000	-0.05000	10/2/25	286
	31.45000	-0.05000	11/4/25	286
	31.95000	-0.05000	12/2/25	286
	35.95000	-0.05000	1/5/26	286

	33.72000	0.00000	10/4/16	3165
	27.75000	0.45000	11/2/16	3165
	28.75000	1.30000	12/2/16	3165
	37.35000	0.50000	1/4/17	3165
	57.00000	0.25000	2/2/17	3165
	55.75000	0.35000	3/2/17	3165
	36.05000	0.45000	4/4/17	3165
	28.75000	0.10000	5/2/17	3165
	29.30000	0.15000	6/2/17	3165
	32.05000	0.10000	7/5/17	3165
	40.10000	0.15000	8/2/17	3165
	36.45000	0.10000	9/5/17	3165
	30.05000	0.15000	10/3/17	3165
	28.30000	0.15000	11/2/17	3165
	29.10000	0.30000	12/4/17	3165
	35.40000	0.20000	1/3/18	3165
	58.65000	0.30000	2/2/18	3165
	55.15000	0.30000	3/2/18	3165
	34.55000	0.10000	4/3/18	3165
	28.20000	0.10000	5/2/18	3165
	28.65000	0.00000	6/4/18	3165
	31.55000	0.00000	7/3/18	3165
	41.80000	0.00000	8/2/18	3165
	37.15000	0.00000	9/5/18	3165
	29.45000	0.15000	10/2/18	3165
	27.80000	0.00000	11/2/18	3165

	28.65000	0.00000	12/4/18	3165
	33.15000	0.00000	1/3/19	3165
	59.20000	-0.15000	2/4/19	3165
	55.45000	-0.10000	3/4/19	3165
	35.05000	-0.10000	4/2/19	3165
	28.45000	-0.05000	5/2/19	3165
	27.25000	-0.05000	6/4/19	3165
	30.90000	0.30000	7/2/19	3165
	41.40000	-0.10000	8/2/19	3165
	36.70000	-0.10000	9/4/19	3165
	28.25000	-0.05000	10/2/19	3165
	26.90000	-0.05000	11/4/19	3165
	27.35000	-0.05000	12/3/19	3165
	32.40000	-0.10000	1/3/20	3165
	60.05000	-0.15000	2/4/20	3165
	54.70000	-0.10000	3/3/20	3165
	34.75000	-0.10000	4/2/20	3165
	28.05000	-0.05000	5/4/20	3165
	28.45000	-0.10000	6/2/20	3165
	31.10000	0.30000	7/2/20	3165
	41.75000	-0.10000	8/4/20	3165
	37.45000	-0.10000	9/2/20	3165
	28.20000	-0.05000	10/2/20	3165
	26.45000	-0.05000	11/3/20	3165
	26.80000	-0.05000	12/2/20	3165
	32.60000	-0.10000	1/5/21	3165

	15.39000	0.00000	10/4/16	3166
	18.09000	0.23000	11/2/16	3166
	19.75000	0.00000	12/2/16	3166
	26.15000	0.20000	1/4/17	3166
	46.45000	0.20000	2/2/17	3166
	42.30000	0.15000	3/2/17	3166
	25.90000	0.00000	4/4/17	3166
	19.80000	0.00000	5/2/17	3166
	18.10000	0.25000	6/2/17	3166
	18.60000	0.00000	7/5/17	3166
	21.55000	0.00000	8/2/17	3166
	19.60000	0.00000	9/5/17	3166
	18.10000	0.00000	10/3/17	3166
	19.50000	0.00000	11/2/17	3166
	19.70000	0.00000	12/4/17	3166
	25.70000	0.00000	1/3/18	3166
	45.20000	0.15000	2/2/18	3166
	42.80000	0.15000	3/2/18	3166
	26.00000	0.05000	4/3/18	3166
	21.30000	0.05000	5/2/18	3166
	17.15000	0.00000	6/4/18	3166
	19.20000	0.00000	7/3/18	3166
	21.70000	0.05000	8/2/18	3166
	21.35000	0.05000	9/5/18	3166
	18.15000	0.00000	10/2/18	3166
	19.65000	0.00000	11/2/18	3166

	20.40000	0.05000	12/4/18	3166
	24.05000	0.05000	1/3/19	3166
	45.60000	0.05000	2/4/19	3166
	43.30000	0.05000	3/4/19	3166
	27.00000	0.05000	4/2/19	3166
	21.80000	0.05000	5/2/19	3166
	18.90000	0.05000	6/4/19	3166
	19.80000	0.05000	7/2/19	3166
	22.45000	0.05000	8/2/19	3166
	21.85000	0.05000	9/4/19	3166
	18.90000	0.05000	10/2/19	3166
	18.85000	0.05000	11/4/19	3166
	20.40000	0.05000	12/3/19	3166
	23.55000	0.05000	1/3/20	3166
	45.30000	0.05000	2/4/20	3166
	42.70000	0.05000	3/3/20	3166
	27.75000	0.05000	4/2/20	3166
	22.00000	0.05000	5/4/20	3166
	19.25000	0.05000	6/2/20	3166
	20.20000	0.05000	7/2/20	3166
	22.50000	0.05000	8/4/20	3166
	22.65000	0.05000	9/2/20	3166
	18.85000	0.05000	10/2/20	3166
	19.25000	0.05000	11/3/20	3166
	20.30000	0.05000	12/2/20	3166
	25.20000	0.05000	1/5/21	3166

	20.16000	0.00000	10/4/16	18440
	21.80000	-20.90000	10/5/16	18440
	41.85000	14.35000	10/6/16	18440
	28.20000	0.70000	10/7/16	18440
	28.20000	0.70000	10/10/16	18440
	29.85000	0.00000	10/10/16	18440
	29.85000	0.00000	10/10/16	18440
	28.20000	0.70000	10/11/16	18440
	28.20000	0.70000	10/12/16	18440
	28.20000	0.70000	10/13/16	18440
	28.20000	0.70000	10/14/16	18440
	28.20000	0.70000	10/17/16	18440
	23.94000	0.25000	10/17/16	18440
	23.94000	0.25000	10/17/16	18440
	28.20000	0.70000	10/18/16	18440
	28.20000	0.70000	10/19/16	18440
	28.20000	0.70000	10/20/16	18440
	28.20000	0.70000	10/21/16	18440
	28.20000	0.70000	10/24/16	18440
	23.94000	0.25000	10/24/16	18440
	23.94000	0.25000	10/24/16	18440
	28.20000	0.70000	10/25/16	18440
	28.20000	0.70000	10/26/16	18440
	28.20000	0.70000	10/27/16	18440
	28.20000	0.70000	10/28/16	18440
	28.20000	0.70000	10/31/16	18440

	23.94000	0.25000	10/31/16	18440
	23.94000	0.25000	10/31/16	18440
	28.20000	0.70000	11/1/16	18440
	29.55000	1.30000	11/2/16	18440
	29.55000	1.30000	11/3/16	18440
	29.55000	1.30000	11/4/16	18440
	29.55000	1.30000	11/7/16	18440
	25.12000	1.11000	11/7/16	18440
	25.12000	1.11000	11/7/16	18440
	29.55000	1.30000	11/8/16	18440
	29.55000	1.30000	11/9/16	18440
	29.55000	1.30000	11/10/16	18440
	29.55000	1.30000	11/11/16	18440
	29.55000	1.30000	11/14/16	18440
	25.12000	1.11000	11/14/16	18440
	25.12000	1.11000	11/14/16	18440
	29.55000		11/15/16	18440
	29.55000		11/16/16	18440
	29.55000		11/17/16	18440
	10.78000	0.00000	10/4/16	18441
	13.27000	-12.18000	10/5/16	18441
	25.15000	10.77000	10/6/16	18441
	14.83000	0.45000	10/7/16	18441
	14.83000	0.45000	10/10/16	18441
	21.20000	0.00000	10/10/16	18441
	21.20000	0.00000	10/10/16	18441

	14.83000	0.45000	10/11/16	18441
	14.83000	0.45000	10/12/16	18441
	14.83000	0.45000	10/13/16	18441
	14.83000	0.45000	10/14/16	18441
	14.83000	0.45000	10/17/16	18441
	15.40000	0.19000	10/17/16	18441
	15.40000	0.19000	10/17/16	18441
	14.83000	0.45000	10/18/16	18441
	14.83000	0.45000	10/19/16	18441
	14.83000	0.45000	10/20/16	18441
	14.83000	0.45000	10/21/16	18441
	14.83000	0.45000	10/24/16	18441
	15.40000	0.19000	10/24/16	18441
	15.40000	0.19000	10/24/16	18441
	14.83000	0.45000	10/25/16	18441
	14.83000	0.45000	10/26/16	18441
	14.83000	0.45000	10/27/16	18441
	14.83000	0.45000	10/28/16	18441
	14.83000	0.45000	10/31/16	18441
	15.40000	0.19000	10/31/16	18441
	15.40000	0.19000	10/31/16	18441
	14.83000	0.45000	11/1/16	18441
	17.49000	-0.95000	11/2/16	18441
	17.49000	-0.95000	11/3/16	18441
	17.49000	-0.95000	11/4/16	18441
	17.49000	-0.95000	11/7/16	18441

	17.26000	0.00000	11/7/16	18441
	17.26000	0.00000	11/7/16	18441
	17.49000	-0.95000	11/8/16	18441
	17.49000	-0.95000	11/9/16	18441
	17.49000	-0.95000	11/10/16	18441
	17.49000	-0.95000	11/11/16	18441
	17.49000	-0.95000	11/14/16	18441
	17.26000	0.00000	11/14/16	18441
	17.26000	0.00000	11/14/16	18441
	17.49000		11/15/16	18441
	17.49000		11/16/16	18441
	17.49000		11/17/16	18441
	36.31000	0.00000	10/4/16	1460
	33.97000	0.95000	11/2/16	1460
	34.50000	0.55000	12/2/16	1460
	39.45000	0.50000	1/4/17	1460
	54.10000	0.25000	2/2/17	1460
	52.85000	0.35000	3/2/17	1460
	40.95000	0.45000	4/4/17	1460
	35.10000	0.10000	5/2/17	1460
	35.65000	0.15000	6/2/17	1460
	36.55000	0.10000	7/5/17	1460
	44.20000	0.00000	8/2/17	1460
	40.70000	0.00000	9/5/17	1460
	34.40000	0.15000	10/3/17	1460
	32.75000	0.15000	11/2/17	1460

	33.30000	0.30000	12/4/17	1460
	37.05000	0.20000	1/3/18	1460
	54.30000	0.30000	2/2/18	1460
	50.65000	0.30000	3/2/18	1460
	37.65000	0.10000	4/3/18	1460
	32.55000	0.10000	5/2/18	1460
	33.10000	0.00000	6/4/18	1460
	33.75000	0.00000	7/3/18	1460
	43.85000	0.00000	8/2/18	1460
	39.10000	0.00000	9/5/18	1460
	31.65000	0.15000	10/2/18	1460
	30.15000	0.00000	11/2/18	1460
	30.85000	0.00000	12/4/18	1460
	33.15000	0.00000	1/3/19	1460
	53.15000	-0.15000	2/4/19	1460
	49.25000	-0.10000	3/4/19	1460
	35.70000	-0.10000	4/2/19	1460
	31.20000	-0.05000	5/2/19	1460
	30.05000	-0.05000	6/4/19	1460
	32.80000	0.30000	7/2/19	1460
	43.20000	-0.10000	8/2/19	1460
	38.45000	-0.10000	9/4/19	1460
	30.30000	-0.05000	10/2/19	1460
	29.05000	-0.05000	11/4/19	1460
	29.55000	-0.05000	12/3/19	1460
	32.35000	-0.10000	1/3/20	1460

	53.40000	-0.15000	2/4/20	1460
	48.55000	-0.10000	3/3/20	1460
	35.40000	-0.10000	4/2/20	1460
	30.75000	-0.05000	5/4/20	1460
	31.25000	-0.10000	6/2/20	1460
	33.00000	0.30000	7/2/20	1460
	42.75000	-0.10000	8/4/20	1460
	37.85000	-0.10000	9/2/20	1460
	30.25000	-0.05000	10/2/20	1460
	28.60000	-0.05000	11/3/20	1460
	29.00000	-0.05000	12/2/20	1460
	32.60000	-0.10000	1/5/21	1460
	54.50000	-0.10000	2/2/21	1460
	48.85000	-0.10000	3/2/21	1460
	34.25000	-0.05000	4/5/21	1460
	30.35000	-0.05000	5/4/21	1460
	31.05000	-0.05000	6/2/21	1460
	32.75000	-0.05000	7/2/21	1460
	43.80000	-0.05000	8/3/21	1460
	38.65000	-0.05000	9/2/21	1460
	30.60000	-0.05000	10/4/21	1460
	28.90000	-0.05000	11/2/21	1460
	29.45000	-0.05000	12/2/21	1460
	32.05000	-0.05000	1/4/22	1460
	54.60000	-0.10000	2/2/22	1460
	50.45000	-0.10000	3/2/22	1460

	35.10000	-0.05000	4/4/22	1460
	30.65000	-0.05000	5/3/22	1460
	31.70000	-0.05000	6/2/22	1460
	33.65000	-0.05000	7/5/22	1460
	44.45000	-0.05000	8/2/22	1460
	39.00000	-0.05000	9/2/22	1460
	31.65000	-0.05000	10/4/22	1460
	29.10000	-0.05000	11/2/22	1460
	29.80000	-0.05000	12/2/22	1460
	32.45000	-0.05000	1/4/23	1460
	55.35000	-0.10000	2/2/23	1460
	51.20000	-0.10000	3/2/23	1460
	35.95000	-0.05000	4/4/23	1460
	31.30000	-0.05000	5/2/23	1460
	32.85000	-0.05000	6/2/23	1460
	34.90000	-0.05000	7/5/23	1460
	45.70000	-0.05000	8/2/23	1460
	40.20000	-0.05000	9/5/23	1460
	32.35000	-0.05000	10/3/23	1460
	29.65000	-0.05000	11/2/23	1460
	30.40000	-0.05000	12/4/23	1460
	33.30000	-0.05000	1/3/24	1460
	56.75000	-0.10000	2/2/24	1460
	52.00000	-0.10000	3/4/24	1460
	37.00000	-0.05000	4/2/24	1460
	32.25000	-0.05000	5/2/24	1460

	34.00000	-0.05000	6/4/24	1460
	36.05000	-0.05000	7/2/24	1460
	46.00000	-0.05000	8/2/24	1460
	40.75000	-0.05000	9/4/24	1460
	33.30000	-0.05000	10/2/24	1460
	30.30000	-0.05000	11/4/24	1460
	30.70000	-0.05000	12/3/24	1460
	34.75000	-0.05000	1/3/25	1460
	58.60000	-0.10000	2/4/25	1460
	53.70000	-0.10000	3/4/25	1460
	38.25000	-0.05000	4/2/25	1460
	33.25000	-0.05000	5/2/25	1460
	34.55000	-0.05000	6/3/25	1460
	36.45000	-0.05000	7/2/25	1460
	47.45000	-0.10000	8/4/25	1460
	42.05000	-0.05000	9/3/25	1460
	33.85000	-0.05000	10/2/25	1460
	31.45000	-0.05000	11/4/25	1460
	31.95000	-0.05000	12/2/25	1460
	35.95000	-0.05000	1/5/26	1460
	36.31000	0.00000	10/4/16	18454
	33.97000	0.95000	11/2/16	18454
	34.50000	0.55000	12/2/16	18454
	39.45000	0.50000	1/4/17	18454
	54.10000	0.25000	2/2/17	18454
	52.85000	0.35000	3/2/17	18454

	40.95000	0.45000	4/4/17	18454
	35.10000	0.10000	5/2/17	18454
	35.65000	0.15000	6/2/17	18454
	36.55000	0.10000	7/5/17	18454
	44.20000	0.00000	8/2/17	18454
	40.70000	0.00000	9/5/17	18454
	34.40000	0.15000	10/3/17	18454
	32.75000	0.15000	11/2/17	18454
	33.30000	0.30000	12/4/17	18454
	37.05000	0.20000	1/3/18	18454
	54.30000	0.30000	2/2/18	18454
	50.65000	0.30000	3/2/18	18454
	37.65000	0.10000	4/3/18	18454
	32.55000	0.10000	5/2/18	18454
	33.10000	0.00000	6/4/18	18454
	33.75000	0.00000	7/3/18	18454
	43.85000	0.00000	8/2/18	18454
	39.10000	0.00000	9/5/18	18454
	31.65000	0.15000	10/2/18	18454
	30.15000	0.00000	11/2/18	18454
	30.85000	0.00000	12/4/18	18454
	33.15000	0.00000	1/3/19	18454
	53.15000	-0.15000	2/4/19	18454
	49.25000	-0.10000	3/4/19	18454
	35.70000	-0.10000	4/2/19	18454
	31.20000	-0.05000	5/2/19	18454

	30.05000	-0.05000	6/4/19	18454
	32.80000	0.30000	7/2/19	18454
	43.20000	-0.10000	8/2/19	18454
	38.45000	-0.10000	9/4/19	18454
	30.30000	-0.05000	10/2/19	18454
	29.05000	-0.05000	11/4/19	18454
	29.55000	-0.05000	12/3/19	18454
	32.35000	-0.10000	1/3/20	18454
	39.74000	0.18000	2/2/17	19129
	39.74000	0.18000	3/2/17	19129
	39.74000	0.18000	4/4/17	19129
	39.74000	0.18000	5/2/17	19129
	39.74000	0.18000	6/2/17	19129
	39.74000	0.18000	7/5/17	19129
	39.74000	0.18000	8/2/17	19129
	39.74000	0.18000	9/5/17	19129
	39.74000	0.18000	10/3/17	19129
	39.74000	0.18000	11/2/17	19129
	39.74000	0.18000	12/4/17	19129
	39.74000	0.18000	1/3/18	19129
	37.58000	0.08000	2/2/18	19129
	37.58000	0.08000	3/2/18	19129
	37.58000	0.08000	4/3/18	19129
	37.58000	0.08000	5/2/18	19129
	37.58000	0.08000	6/4/18	19129
	37.58000	0.08000	7/3/18	19129

	37.58000	0.08000	8/2/18	19129
	37.58000	0.08000	9/5/18	19129
	37.58000	0.08000	10/2/18	19129
	37.58000	0.08000	11/2/18	19129
	37.58000	0.08000	12/4/18	19129
	37.58000	0.08000	1/3/19	19129
	36.27000	-0.05000	2/4/19	19129
	36.27000	-0.05000	3/4/19	19129
	36.27000	-0.05000	4/2/19	19129
	36.27000	-0.05000	5/2/19	19129
	36.27000	-0.05000	6/4/19	19129
	36.27000	-0.05000	7/2/19	19129
	36.27000	-0.05000	8/2/19	19129
	36.27000	-0.05000	9/4/19	19129
	36.27000	-0.05000	10/2/19	19129
	36.27000	-0.05000	11/4/19	19129
	36.27000	-0.05000	12/3/19	19129
	36.27000	-0.05000	1/3/20	19129
	49.40000	0.00000	10/4/16	18442
	55.99000	13.29000	10/5/16	18442
	41.85000	0.55000	10/6/16	18442
	42.00000	0.70000	10/7/16	18442
	42.00000	0.70000	10/10/16	18442
	35.85000	0.00000	10/10/16	18442
	35.85000	0.00000	10/10/16	18442
	42.00000	0.70000	10/11/16	18442

	42.00000	0.70000	10/12/16	18442
	42.00000	0.70000	10/13/16	18442
	42.00000	0.70000	10/14/16	18442
	42.00000	0.70000	10/17/16	18442
	36.56000	1.07000	10/17/16	18442
	36.56000	1.07000	10/17/16	18442
	42.00000	0.70000	10/18/16	18442
	42.00000	0.70000	10/19/16	18442
	42.00000	0.70000	10/20/16	18442
	42.00000	0.70000	10/21/16	18442
	42.00000	0.70000	10/24/16	18442
	36.56000	1.07000	10/24/16	18442
	36.56000	1.07000	10/24/16	18442
	42.00000	0.70000	10/25/16	18442
	42.00000	0.70000	10/26/16	18442
	42.00000	0.70000	10/27/16	18442
	42.00000	0.70000	10/28/16	18442
	42.00000	0.70000	10/31/16	18442
	36.56000	1.07000	10/31/16	18442
	36.56000	1.07000	10/31/16	18442
	42.00000	0.70000	11/1/16	18442
	43.20000	1.30000	11/2/16	18442
	43.20000	1.30000	11/3/16	18442
	43.20000	1.30000	11/4/16	18442
	43.20000	1.30000	11/7/16	18442
	36.72000	1.10000	11/7/16	18442

	36.72000	1.10000	11/7/16	18442
	43.20000	1.30000	11/8/16	18442
	43.20000	1.30000	11/9/16	18442
	43.20000	1.30000	11/10/16	18442
	43.20000	1.30000	11/11/16	18442
	43.20000	1.30000	11/14/16	18442
	36.72000	1.10000	11/14/16	18442
	36.72000	1.10000	11/14/16	18442
	43.20000		11/15/16	18442
	43.20000		11/16/16	18442
	43.20000		11/17/16	18442
	30.75000	0.00000	10/4/16	18443
	35.89000	10.44000	10/5/16	18443
	25.15000	1.30000	10/6/16	18443
	23.67000	-0.18000	10/7/16	18443
	23.67000	-0.18000	10/10/16	18443
	27.20000	0.00000	10/10/16	18443
	27.20000	0.00000	10/10/16	18443
	23.67000	-0.18000	10/11/16	18443
	23.67000	-0.18000	10/12/16	18443
	23.67000	-0.18000	10/13/16	18443
	23.67000	-0.18000	10/14/16	18443
	23.67000	-0.18000	10/17/16	18443
	25.54000	0.40000	10/17/16	18443
	25.54000	0.40000	10/17/16	18443
	23.67000	-0.18000	10/18/16	18443

	23.67000	-0.18000	10/19/16	18443
	23.67000	-0.18000	10/20/16	18443
	23.67000	-0.18000	10/21/16	18443
	23.67000	-0.18000	10/24/16	18443
	25.54000	0.40000	10/24/16	18443
	25.54000	0.40000	10/24/16	18443
	23.67000	-0.18000	10/25/16	18443
	23.67000	-0.18000	10/26/16	18443
	23.67000	-0.18000	10/27/16	18443
	23.67000	-0.18000	10/28/16	18443
	23.67000	-0.18000	10/31/16	18443
	25.54000	0.40000	10/31/16	18443
	25.54000	0.40000	10/31/16	18443
	23.67000	-0.18000	11/1/16	18443
	26.58000	-0.94000	11/2/16	18443
	26.58000	-0.94000	11/3/16	18443
	26.58000	-0.94000	11/4/16	18443
	26.58000	-0.94000	11/7/16	18443
	25.67000	0.00000	11/7/16	18443
	25.67000	0.00000	11/7/16	18443
	26.58000	-0.94000	11/8/16	18443
	26.58000	-0.94000	11/9/16	18443
	26.58000	-0.94000	11/10/16	18443
	26.58000	-0.94000	11/11/16	18443
	26.58000	-0.94000	11/14/16	18443
	25.67000	0.00000	11/14/16	18443

	25.67000	0.00000	11/14/16	18443
	26.58000		11/15/16	18443
	26.58000		11/16/16	18443
	26.58000		11/17/16	18443
	23.73000	0.00000	10/4/16	18452
	22.05000	-19.15000	10/5/16	18452
	40.35000	16.35000	10/6/16	18452
	24.70000	0.70000	10/7/16	18452
	24.70000	0.70000	10/10/16	18452
	25.85000	0.00000	10/10/16	18452
	25.85000	0.00000	10/10/16	18452
	24.70000	0.70000	10/11/16	18452
	24.70000	0.70000	10/12/16	18452
	24.70000	0.70000	10/13/16	18452
	24.70000	0.70000	10/14/16	18452
	24.70000	0.70000	10/17/16	18452
	21.48000	0.39000	10/17/16	18452
	21.48000	0.39000	10/17/16	18452
	24.70000	0.70000	10/18/16	18452
	24.70000	0.70000	10/19/16	18452
	24.70000	0.70000	10/20/16	18452
	24.70000	0.70000	10/21/16	18452
	24.70000	0.70000	10/24/16	18452
	21.48000	0.39000	10/24/16	18452
	21.48000	0.39000	10/24/16	18452
	24.70000	0.70000	10/25/16	18452

	24.70000	0.70000	10/26/16	18452
	24.70000	0.70000	10/27/16	18452
	24.70000	0.70000	10/28/16	18452
	24.70000	0.70000	10/31/16	18452
	21.48000	0.39000	10/31/16	18452
	21.48000	0.39000	10/31/16	18452
	24.70000	0.70000	11/1/16	18452
	29.90000	1.30000	11/2/16	18452
	29.90000	1.30000	11/3/16	18452
	29.90000	1.30000	11/4/16	18452
	29.90000	1.30000	11/7/16	18452
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	29.90000	1.30000	11/9/16	18452
	29.90000	1.30000	11/10/16	18452
	29.90000	1.30000	11/11/16	18452
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	29.90000		11/15/16	18452
	29.90000		11/16/16	18452
	29.90000		11/17/16	18452
	13.96000	0.00000	10/4/16	18453
	13.50000	-11.95000	10/5/16	18453
	25.15000	10.01000	10/6/16	18453

	15.60000	0.46000	10/7/16	18453
	15.60000	0.46000	10/10/16	18453
	17.20000	0.00000	10/10/16	18453
	17.20000	0.00000	10/10/16	18453
	15.60000	0.46000	10/11/16	18453
	15.60000	0.46000	10/12/16	18453
	15.60000	0.46000	10/13/16	18453
	15.60000	0.46000	10/14/16	18453
	15.60000	0.46000	10/17/16	18453
	15.02000	0.20000	10/17/16	18453
	15.02000	0.20000	10/17/16	18453
	15.60000	0.46000	10/18/16	18453
	15.60000	0.46000	10/19/16	18453
	15.60000	0.46000	10/20/16	18453
	15.60000	0.46000	10/21/16	18453
	15.60000	0.46000	10/24/16	18453
	15.02000	0.20000	10/24/16	18453
	15.02000	0.20000	10/24/16	18453
	15.60000	0.46000	10/25/16	18453
	15.60000	0.46000	10/26/16	18453
	15.60000	0.46000	10/27/16	18453
	15.60000	0.46000	10/28/16	18453
	15.60000	0.46000	10/31/16	18453
	15.02000	0.20000	10/31/16	18453
	15.02000	0.20000	10/31/16	18453
	15.60000	0.46000	11/1/16	18453

	17.43000	-0.95000	11/2/16	18453
	17.43000	-0.95000	11/3/16	18453
	17.43000	-0.95000	11/4/16	18453
	17.43000	-0.95000	11/7/16	18453
	17.34000	0.00000	11/7/16	18453
	17.34000	0.00000	11/7/16	18453
	17.43000	-0.95000	11/8/16	18453
	17.43000	-0.95000	11/9/16	18453
	17.43000	-0.95000	11/10/16	18453
	17.43000	-0.95000	11/11/16	18453
	17.43000	-0.95000	11/14/16	18453
	17.34000	0.00000	11/14/16	18453
	17.34000	0.00000	11/14/16	18453
	17.43000		11/15/16	18453
	17.43000		11/16/16	18453
	17.43000		11/17/16	18453
	36.31000	0.00000	10/4/16	3549
	33.97000	0.95000	11/2/16	3549
	34.50000	0.55000	12/2/16	3549
	39.45000	0.50000	1/4/17	3549
	39.74000	0.18000	2/2/17	3549
	39.74000	0.18000	3/2/17	3549
	39.74000	0.18000	4/4/17	3549
	39.74000	0.18000	5/2/17	3549
	39.74000	0.18000	6/2/17	3549
	39.74000	0.18000	7/5/17	3549

	39.74000	0.18000	8/2/17	3549
	39.74000	0.18000	9/5/17	3549
	39.74000	0.18000	10/3/17	3549
	39.74000	0.18000	11/2/17	3549
	39.74000	0.18000	12/4/17	3549
	39.74000	0.18000	1/3/18	3549
	37.58000	0.08000	2/2/18	3549
	37.58000	0.08000	3/2/18	3549
	37.58000	0.08000	4/3/18	3549
	37.58000	0.08000	5/2/18	3549
	37.58000	0.08000	6/4/18	3549
	37.58000	0.08000	7/3/18	3549
	37.58000	0.08000	8/2/18	3549
	37.58000	0.08000	9/5/18	3549
	37.58000	0.08000	10/2/18	3549
	37.58000	0.08000	11/2/18	3549
	37.58000	0.08000	12/4/18	3549
	37.58000	0.08000	1/3/19	3549
	36.27000	-0.05000	2/4/19	3549
	36.27000	-0.05000	3/4/19	3549
	36.27000	-0.05000	4/2/19	3549
	36.27000	-0.05000	5/2/19	3549
	36.27000	-0.05000	6/4/19	3549
	36.27000	-0.05000	7/2/19	3549
	36.27000	-0.05000	8/2/19	3549
	36.27000	-0.05000	9/4/19	3549

	36.27000	-0.05000	10/2/19	3549
	36.27000	-0.05000	11/4/19	3549
	36.27000	-0.05000	12/3/19	3549
	36.27000	-0.05000	1/3/20	3549
	35.84000	0.00000	10/4/16	303
	32.76000	0.95000	11/2/16	303
	32.35000	0.55000	12/2/16	303
	34.45000	0.60000	1/4/17	303
	42.15000	0.25000	2/2/17	303
	42.75000	0.30000	3/2/17	303
	35.80000	0.45000	4/4/17	303
	32.10000	0.10000	5/2/17	303
	32.75000	0.15000	6/2/17	303
	33.60000	0.10000	7/5/17	303
	39.35000	0.05000	8/2/17	303
	38.60000	0.05000	9/5/17	303
	31.65000	0.15000	10/3/17	303
	30.10000	0.15000	11/2/17	303
	30.45000	0.30000	12/4/17	303
	33.60000	0.20000	1/3/18	303
	44.50000	0.30000	2/2/18	303
	40.55000	0.30000	3/2/18	303
	33.65000	0.10000	4/3/18	303
	29.95000	0.10000	5/2/18	303
	31.35000	0.00000	6/4/18	303
	32.20000	0.00000	7/3/18	303

	40.95000	0.00000	8/2/18	303
	35.75000	0.00000	9/5/18	303
	29.45000	0.15000	10/2/18	303
	28.55000	0.00000	11/2/18	303
	28.60000	0.00000	12/4/18	303
	31.20000	0.00000	1/3/19	303
	44.20000	-0.15000	2/4/19	303
	40.75000	-0.10000	3/4/19	303
	32.90000	-0.10000	4/2/19	303
	29.50000	-0.05000	5/2/19	303
	29.00000	-0.05000	6/4/19	303
	30.80000	0.30000	7/2/19	303
	39.75000	-0.10000	8/2/19	303
	34.65000	-0.10000	9/4/19	303
	29.10000	-0.05000	10/2/19	303
	27.25000	-0.05000	11/4/19	303
	27.75000	-0.05000	12/3/19	303
	29.75000	-0.10000	1/3/20	303
	43.40000	-0.15000	2/4/20	303
	39.15000	-0.10000	3/3/20	303
	32.95000	-0.10000	4/2/20	303
	28.60000	-0.05000	5/4/20	303
	28.95000	-0.10000	6/2/20	303
	29.50000	0.30000	7/2/20	303
	38.65000	-0.10000	8/4/20	303
	34.50000	-0.10000	9/2/20	303

	27.80000	-0.05000	10/2/20	303
	26.95000	-0.05000	11/3/20	303
	27.20000	-0.05000	12/2/20	303
	30.00000	-0.10000	1/5/21	303
	42.25000	-0.10000	2/2/21	303
	38.45000	-0.10000	3/2/21	303
	32.00000	-0.05000	4/5/21	303
	28.40000	-0.05000	5/4/21	303
	29.70000	-0.05000	6/2/21	303
	30.30000	-0.05000	7/2/21	303
	37.55000	-0.05000	8/3/21	303
	32.80000	-0.05000	9/2/21	303
	28.10000	-0.05000	10/4/21	303
	27.30000	-0.05000	11/2/21	303
	27.35000	-0.05000	12/2/21	303
	31.35000	-0.05000	1/4/22	303
	42.05000	-0.10000	2/2/22	303
	38.35000	-0.10000	3/2/22	303
	31.80000	-0.05000	4/4/22	303
	28.25000	-0.05000	5/3/22	303
	29.50000	-0.05000	6/2/22	303
	30.15000	-0.05000	7/5/22	303
	37.35000	-0.05000	8/2/22	303
	32.65000	-0.05000	9/2/22	303
	28.00000	-0.05000	10/4/22	303
	27.20000	-0.05000	11/2/22	303

	27.25000	-0.05000	12/2/22	303
	30.90000	-0.05000	1/4/23	303
	41.75000	-0.10000	2/2/23	303
	38.00000	-0.10000	3/2/23	303
	31.60000	-0.05000	4/4/23	303
	28.10000	-0.05000	5/2/23	303
	29.30000	-0.05000	6/2/23	303
	29.95000	-0.05000	7/5/23	303
	37.10000	-0.05000	8/2/23	303
	32.40000	-0.05000	9/5/23	303
	27.75000	-0.05000	10/3/23	303
	27.00000	-0.05000	11/2/23	303
	27.05000	-0.05000	12/4/23	303
	30.40000	-0.05000	1/3/24	303
	41.45000	-0.10000	2/2/24	303
	37.70000	-0.10000	3/4/24	303
	31.30000	-0.05000	4/2/24	303
	27.90000	-0.05000	5/2/24	303
	29.05000	-0.05000	6/4/24	303
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	36.85000	-0.05000	8/2/24	303
	32.15000	-0.05000	9/4/24	303
	27.60000	-0.05000	10/2/24	303
	26.80000	-0.05000	11/4/24	303
	26.80000	-0.05000	12/3/24	303
	29.15000	-0.05000	1/3/25	303

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	21.75000	0.39000	11/2/16	5749
	21.65000	0.25000	12/2/16	5749
	24.90000	0.20000	1/4/17	5749
	34.15000	0.10000	2/2/17	5749
	30.35000	0.10000	3/2/17	5749
	25.75000	0.00000	4/4/17	5749
	21.00000	0.00000	5/2/17	5749
	19.10000	0.25000	6/2/17	5749
	19.60000	0.00000	7/5/17	5749
	22.35000	0.00000	8/2/17	5749
	20.20000	0.00000	9/5/17	5749
	18.85000	0.00000	10/3/17	5749
	18.95000	0.00000	11/2/17	5749
	19.35000	0.00000	12/4/17	5749
	24.10000	0.00000	1/3/18	5749
	33.75000	0.15000	2/2/18	5749
	30.40000	0.15000	3/2/18	5749
	26.50000	0.05000	4/3/18	5749
	23.30000	0.05000	5/2/18	5749
	18.70000	0.00000	6/4/18	5749
	18.75000	0.00000	7/3/18	5749
	21.80000	0.05000	8/2/18	5749
	21.25000	0.05000	9/5/18	5749
	18.05000	0.00000	10/2/18	5749
	17.25000	0.05000	11/2/18	5749

	17.95000	0.05000	12/4/18	5749
	20.55000	0.05000	1/3/19	5749
	34.05000	0.05000	2/4/19	5749
	31.60000	0.05000	3/4/19	5749
	25.80000	0.05000	4/2/19	5749
	21.10000	0.05000	5/2/19	5749
	19.65000	0.05000	6/4/19	5749
	19.35000	0.05000	7/2/19	5749
	22.80000	0.05000	8/2/19	5749
	22.25000	0.05000	9/4/19	5749
	19.05000	0.05000	10/2/19	5749
	17.00000	0.05000	11/4/19	5749
	18.15000	0.05000	12/3/19	5749
	19.40000	0.05000	1/3/20	5749
	33.40000	0.05000	2/4/20	5749
	30.55000	0.05000	3/3/20	5749
	25.90000	0.05000	4/2/20	5749
	20.60000	0.05000	5/4/20	5749
	18.95000	0.05000	6/2/20	5749
	20.15000	0.05000	7/2/20	5749
	22.60000	0.05000	8/4/20	5749
	22.00000	0.05000	9/2/20	5749
	17.45000	0.05000	10/2/20	5749
	18.05000	0.05000	11/3/20	5749
	18.45000	0.05000	12/2/20	5749
	21.85000	0.05000	1/5/21	5749

	35.50000	0.05000	2/2/21	5749
	31.80000	0.05000	3/2/21	5749
	25.45000	0.05000	4/5/21	5749
	22.75000	0.05000	5/4/21	5749
	18.05000	0.05000	6/2/21	5749
	18.50000	0.05000	7/2/21	5749
	21.15000	0.05000	8/3/21	5749
	20.50000	0.05000	9/2/21	5749
	18.65000	0.05000	10/4/21	5749
	16.80000	0.05000	11/2/21	5749
	16.80000	0.05000	12/2/21	5749
	20.05000	0.05000	1/4/22	5749
	34.30000	0.05000	2/2/22	5749
	30.70000	0.05000	3/2/22	5749
	24.55000	0.05000	4/4/22	5749
	21.95000	0.05000	5/3/22	5749
	17.40000	0.05000	6/2/22	5749
	17.85000	0.05000	7/5/22	5749
	20.45000	0.05000	8/2/22	5749
	19.80000	0.05000	9/2/22	5749
	18.00000	0.05000	10/4/22	5749
	16.30000	0.05000	11/2/22	5749
	16.25000	0.05000	12/2/22	5749
	19.90000	0.05000	1/4/23	5749
	33.45000	0.05000	2/2/23	5749
	29.95000	0.05000	3/2/23	5749

	24.00000	0.05000	4/4/23	5749
	21.45000	0.05000	5/2/23	5749
	17.00000	0.05000	6/2/23	5749
	17.50000	0.05000	7/5/23	5749
	19.95000	0.05000	8/2/23	5749
	19.35000	0.05000	9/5/23	5749
	17.55000	0.05000	10/3/23	5749
	15.80000	0.05000	11/2/23	5749
	15.85000	0.05000	12/4/23	5749
	19.20000	0.05000	1/3/24	5749
	32.60000	0.05000	2/2/24	5749
	29.25000	0.05000	3/4/24	5749
	23.35000	0.05000	4/2/24	5749
	20.95000	0.05000	5/2/24	5749
	16.60000	0.05000	6/4/24	5749
	17.00000	0.05000	7/2/24	5749
	19.45000	0.05000	8/2/24	5749
	18.85000	0.05000	9/4/24	5749
	17.15000	0.05000	10/2/24	5749
	15.40000	0.05000	11/4/24	5749
	15.40000	0.05000	12/3/24	5749
	19.10000	0.05000	1/3/25	5749
	35.84000	0.00000	10/4/16	5748
	32.76000	0.95000	11/2/16	5748
	32.35000	0.55000	12/2/16	5748
	34.45000	0.60000	1/4/17	5748

	42.15000	0.25000	2/2/17	5748
	42.75000	0.30000	3/2/17	5748
	35.80000	0.45000	4/4/17	5748
	32.10000	0.10000	5/2/17	5748
	32.75000	0.15000	6/2/17	5748
	33.60000	0.10000	7/5/17	5748
	39.35000	0.05000	8/2/17	5748
	38.60000	0.05000	9/5/17	5748
	31.65000	0.15000	10/3/17	5748
	30.10000	0.15000	11/2/17	5748
	30.45000	0.30000	12/4/17	5748
	33.60000	0.20000	1/3/18	5748
	44.50000	0.30000	2/2/18	5748
	40.55000	0.30000	3/2/18	5748
	33.65000	0.10000	4/3/18	5748
	29.95000	0.10000	5/2/18	5748
	31.35000	0.00000	6/4/18	5748
	32.20000	0.00000	7/3/18	5748
	40.95000	0.00000	8/2/18	5748
	35.75000	0.00000	9/5/18	5748
	29.45000	0.15000	10/2/18	5748
	28.55000	0.00000	11/2/18	5748
	28.60000	0.00000	12/4/18	5748
	31.20000	0.00000	1/3/19	5748
	44.20000	-0.15000	2/4/19	5748
	40.75000	-0.10000	3/4/19	5748

	32.90000	-0.10000	4/2/19	5748
	29.50000	-0.05000	5/2/19	5748
	29.00000	-0.05000	6/4/19	5748
	30.80000	0.30000	7/2/19	5748
	39.75000	-0.10000	8/2/19	5748
	34.65000	-0.10000	9/4/19	5748
	29.10000	-0.05000	10/2/19	5748
	27.25000	-0.05000	11/4/19	5748
	27.75000	-0.05000	12/3/19	5748
	29.75000	-0.10000	1/3/20	5748
	43.40000	-0.15000	2/4/20	5748
	39.15000	-0.10000	3/3/20	5748
	32.95000	-0.10000	4/2/20	5748
	28.60000	-0.05000	5/4/20	5748
	28.95000	-0.10000	6/2/20	5748
	29.50000	0.30000	7/2/20	5748
	38.65000	-0.10000	8/4/20	5748
	34.50000	-0.10000	9/2/20	5748
	27.80000	-0.05000	10/2/20	5748
	26.95000	-0.05000	11/3/20	5748
	27.20000	-0.05000	12/2/20	5748
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	37.55000	-0.05000	8/3/21	5748
	32.80000	-0.05000	9/2/21	5748
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	31.35000	-0.05000	1/4/22	5748
	42.05000	-0.10000	2/2/22	5748
	38.35000	-0.10000	3/2/22	5748
	31.80000	-0.05000	4/4/22	5748
	28.25000	-0.05000	5/3/22	5748
	29.50000	-0.05000	6/2/22	5748
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	27.20000	-0.05000	11/2/22	5748
	27.25000	-0.05000	12/2/22	5748
	30.90000	-0.05000	1/4/23	5748
	41.75000	-0.10000	2/2/23	5748
	38.00000	-0.10000	3/2/23	5748
	31.60000	-0.05000	4/4/23	5748
	28.10000	-0.05000	5/2/23	5748
	29.30000	-0.05000	6/2/23	5748
	29.95000	-0.05000	7/5/23	5748

	37.10000	-0.05000	8/2/23	5748
	32.40000	-0.05000	9/5/23	5748
	27.75000	-0.05000	10/3/23	5748
	27.00000	-0.05000	11/2/23	5748
	27.05000	-0.05000	12/4/23	5748
	30.40000	-0.05000	1/3/24	5748
	41.45000	-0.10000	2/2/24	5748
	37.70000	-0.10000	3/4/24	5748
	31.30000	-0.05000	4/2/24	5748
	27.90000	-0.05000	5/2/24	5748
	29.05000	-0.05000	6/4/24	5748
	29.70000	-0.05000	7/2/24	5748
	36.85000	-0.05000	8/2/24	5748
	32.15000	-0.05000	9/4/24	5748
	27.60000	-0.05000	10/2/24	5748
	26.80000	-0.05000	11/4/24	5748
	26.80000	-0.05000	12/3/24	5748
	29.15000	-0.05000	1/3/25	5748
	11.80000	0.00000	10/4/16	552
	14.63000	-0.02000	10/5/16	552
	14.00000	-2.55000	10/6/16	552
	16.55000	0.00000	10/7/16	552
	16.55000	0.00000	10/10/16	552
	13.95000	0.00000	10/10/16	552
	13.95000	0.00000	10/10/16	552
	16.69000	0.42000	10/11/16	552

	16.69000	0.42000	10/12/16	552
	16.69000	0.42000	10/13/16	552
	16.69000	0.42000	10/14/16	552
	16.69000	0.42000	10/17/16	552
	14.88000	0.08000	10/17/16	552
	14.88000	0.08000	10/17/16	552
	16.69000	0.42000	10/18/16	552
	16.69000	0.42000	10/19/16	552
	16.69000	0.42000	10/20/16	552
	16.69000	0.42000	10/21/16	552
	16.69000	0.42000	10/24/16	552
	14.88000	0.08000	10/24/16	552
	14.88000	0.08000	10/24/16	552
	16.69000	0.42000	10/25/16	552
	16.69000	0.42000	10/26/16	552
	16.69000	0.42000	10/27/16	552
	16.69000	0.42000	10/28/16	552
	16.69000	0.42000	10/31/16	552
	14.88000	0.08000	10/31/16	552
	14.88000	0.08000	10/31/16	552
	16.69000	0.42000	11/1/16	552
	21.93000	-0.70000	11/2/16	552
	21.93000	-0.70000	11/3/16	552
	21.93000	-0.70000	11/4/16	552
	21.93000	-0.70000	11/7/16	552
	20.91000	-0.21000	11/7/16	552

	20.91000	-0.21000	11/7/16	552
	21.93000		11/8/16	552
	21.93000		11/9/16	552
	21.93000		11/10/16	552
	44.53000	0.00000	10/4/16	2095
	46.43000	3.73000	10/5/16	2095
	41.85000	4.40000	10/6/16	2095
	38.15000	0.70000	10/7/16	2095
	38.15000	0.70000	10/10/16	2095
	32.85000	0.00000	10/10/16	2095
	32.85000	0.00000	10/10/16	2095
	38.15000	0.70000	10/11/16	2095
	38.15000	0.70000	10/12/16	2095
	38.15000	0.70000	10/13/16	2095
	38.15000	0.70000	10/14/16	2095
	38.15000	0.70000	10/17/16	2095
	33.17000	0.84000	10/17/16	2095
	33.17000	0.84000	10/17/16	2095
	38.15000	0.70000	10/18/16	2095
	38.15000	0.70000	10/19/16	2095
	38.15000	0.70000	10/20/16	2095
	38.15000	0.70000	10/21/16	2095
	38.15000	0.70000	10/24/16	2095
	33.17000	0.84000	10/24/16	2095
	33.17000	0.84000	10/24/16	2095
	38.15000	0.70000	10/25/16	2095

	38.15000	0.70000	10/26/16	2095
	38.15000	0.70000	10/27/16	2095
	38.15000	0.70000	10/28/16	2095
	38.15000	0.70000	10/31/16	2095
	33.17000	0.84000	10/31/16	2095
	33.17000	0.84000	10/31/16	2095
	38.15000	0.70000	11/1/16	2095
	39.35000	1.30000	11/2/16	2095
	39.35000	1.30000	11/3/16	2095
	39.35000	1.30000	11/4/16	2095
	39.35000	1.30000	11/7/16	2095
	33.45000	1.11000	11/7/16	2095
	33.45000	1.11000	11/7/16	2095
	39.35000		11/8/16	2095
	39.35000		11/9/16	2095
	39.35000		11/10/16	2095
	44.97000	0.00000	10/4/16	2093
	39.02000	0.98000	11/2/16	2093
	39.35000	1.30000	12/2/16	2093
	46.35000	0.50000	1/4/17	2093
	63.20000	0.05000	2/2/17	2093
	62.00000	0.15000	3/2/17	2093
	45.85000	0.45000	4/4/17	2093
	39.55000	0.10000	5/2/17	2093
	40.15000	0.15000	6/2/17	2093
	40.85000	0.10000	7/5/17	2093

	50.30000	0.15000	8/2/17	2093
	46.60000	0.10000	9/5/17	2093
	38.35000	0.15000	10/3/17	2093
	36.00000	0.15000	11/2/17	2093
	36.55000	0.30000	12/4/17	2093
	41.30000	0.20000	1/3/18	2093
	61.70000	0.30000	2/2/18	2093
	58.35000	0.30000	3/2/18	2093
	40.55000	0.10000	4/3/18	2093
	35.35000	0.10000	5/2/18	2093
	35.45000	0.00000	6/4/18	2093
	38.10000	0.00000	7/3/18	2093
	50.30000	0.00000	8/2/18	2093
	45.40000	0.00000	9/5/18	2093
	35.45000	0.15000	10/2/18	2093
	33.30000	0.00000	11/2/18	2093
	34.00000	0.00000	12/4/18	2093
	37.10000	0.00000	1/3/19	2093
	61.85000	-0.15000	2/4/19	2093
	57.30000	-0.10000	3/4/19	2093
	38.90000	-0.10000	4/2/19	2093
	34.25000	-0.05000	5/2/19	2093
	32.45000	-0.05000	6/4/19	2093
	37.35000	0.30000	7/2/19	2093
	50.45000	-0.10000	8/2/19	2093
	45.65000	-0.10000	9/4/19	2093

	34.00000	-0.05000	10/2/19	2093
	32.55000	-0.05000	11/4/19	2093
	33.35000	-0.05000	12/3/19	2093
	37.15000	-0.10000	1/3/20	2093
	62.05000	-0.15000	2/4/20	2093
	56.55000	-0.10000	3/3/20	2093
	38.60000	-0.10000	4/2/20	2093
	33.85000	-0.05000	5/4/20	2093
	34.50000	-0.10000	6/2/20	2093
	37.55000	0.30000	7/2/20	2093
	50.10000	-0.10000	8/4/20	2093
	45.50000	-0.10000	9/2/20	2093
	33.90000	-0.05000	10/2/20	2093
	32.05000	-0.05000	11/3/20	2093
	31.80000	-0.05000	12/2/20	2093
	37.40000	-0.10000	1/5/21	2093
	28.83000	0.00000	10/4/16	2092
	29.95000	4.50000	10/5/16	2092
	25.15000	4.20000	10/6/16	2092
	20.95000	0.00000	10/7/16	2092
	20.95000	0.00000	10/10/16	2092
	24.20000	0.00000	10/10/16	2092
	24.20000	0.00000	10/10/16	2092
	20.95000	0.00000	10/11/16	2092
	20.95000	0.00000	10/12/16	2092
	20.95000	0.00000	10/13/16	2092

	20.95000	0.00000	10/14/16	2092
	20.95000	0.00000	10/17/16	2092
	22.85000	0.34000	10/17/16	2092
	22.85000	0.34000	10/17/16	2092
	20.95000	0.00000	10/18/16	2092
	20.95000	0.00000	10/19/16	2092
	20.95000	0.00000	10/20/16	2092
	20.95000	0.00000	10/21/16	2092
	20.95000	0.00000	10/24/16	2092
	22.85000	0.34000	10/24/16	2092
	22.85000	0.34000	10/24/16	2092
	20.95000	0.00000	10/25/16	2092
	20.95000	0.00000	10/26/16	2092
	20.95000	0.00000	10/27/16	2092
	20.95000	0.00000	10/28/16	2092
	20.95000	0.00000	10/31/16	2092
	22.85000	0.34000	10/31/16	2092
	22.85000	0.34000	10/31/16	2092
	20.95000	0.00000	11/1/16	2092
	23.52000	-0.95000	11/2/16	2092
	23.52000	-0.95000	11/3/16	2092
	23.52000	-0.95000	11/4/16	2092
	23.52000	-0.95000	11/7/16	2092
	23.08000	0.00000	11/7/16	2092
	23.08000	0.00000	11/7/16	2092
	23.52000		11/8/16	2092

	23.52000		11/9/16	2092
	23.52000		11/10/16	2092
	27.90000	0.00000	10/4/16	2090
	26.89000	0.41000	11/2/16	2090
	27.15000	0.00000	12/2/16	2090
	33.30000	0.20000	1/4/17	2090
	50.95000	0.20000	2/2/17	2090
	46.35000	0.15000	3/2/17	2090
	34.40000	0.00000	4/4/17	2090
	28.75000	0.00000	5/2/17	2090
	25.50000	0.25000	6/2/17	2090
	25.15000	0.00000	7/5/17	2090
	28.00000	0.00000	8/2/17	2090
	26.05000	0.00000	9/5/17	2090
	23.90000	0.00000	10/3/17	2090
	25.25000	0.00000	11/2/17	2090
	25.50000	0.00000	12/4/17	2090
	30.00000	0.00000	1/3/18	2090
	47.65000	0.15000	2/2/18	2090
	44.15000	0.15000	3/2/18	2090
	30.70000	0.05000	4/3/18	2090
	26.90000	0.05000	5/2/18	2090
	22.80000	0.00000	6/4/18	2090
	23.70000	0.00000	7/3/18	2090
	26.95000	0.05000	8/2/18	2090
	26.55000	0.05000	9/5/18	2090

	21.35000	0.00000	10/2/18	2090
	22.45000	0.00000	11/2/18	2090
	24.25000	0.05000	12/4/18	2090
	27.30000	0.05000	1/3/19	2090
	45.65000	0.05000	2/4/19	2090
	43.25000	0.05000	3/4/19	2090
	30.05000	0.05000	4/2/19	2090
	25.55000	0.05000	5/2/19	2090
	22.60000	0.05000	6/4/19	2090
	23.70000	0.05000	7/2/19	2090
	27.45000	0.05000	8/2/19	2090
	26.65000	0.05000	9/4/19	2090
	23.15000	0.05000	10/2/19	2090
	22.40000	0.05000	11/4/19	2090
	23.90000	0.05000	12/3/19	2090
	25.85000	0.05000	1/3/20	2090
	45.85000	0.05000	2/4/20	2090
	43.40000	0.05000	3/3/20	2090
	30.50000	0.05000	4/2/20	2090
	25.10000	0.05000	5/4/20	2090
	22.65000	0.05000	6/2/20	2090
	23.75000	0.05000	7/2/20	2090
	27.70000	0.05000	8/4/20	2090
	26.55000	0.05000	9/2/20	2090
	22.15000	0.05000	10/2/20	2090
	22.75000	0.05000	11/3/20	2090

	23.45000	0.05000	12/2/20	2090
	27.50000	0.05000	1/5/21	2090
	15.65000	0.00000	10/4/16	2578
	17.67000	0.24000	11/2/16	2578
	20.40000	0.00000	12/2/16	2578
	28.50000	0.20000	1/4/17	2578
	46.40000	0.20000	2/2/17	2578
	42.25000	0.15000	3/2/17	2578
	26.05000	0.00000	4/4/17	2578
	19.65000	0.00000	5/2/17	2578
	17.35000	0.25000	6/2/17	2578
	17.90000	0.00000	7/5/17	2578
	20.85000	0.00000	8/2/17	2578
	18.45000	0.00000	9/5/17	2578
	17.95000	0.00000	10/3/17	2578
	19.25000	0.00000	11/2/17	2578
	19.35000	0.00000	12/4/17	2578
	25.55000	0.00000	1/3/18	2578
	45.05000	0.15000	2/2/18	2578
	42.00000	0.15000	3/2/18	2578
	26.30000	0.05000	4/3/18	2578
	21.60000	0.05000	5/2/18	2578
	16.70000	0.00000	6/4/18	2578
	16.50000	0.00000	7/3/18	2578
	18.20000	0.05000	8/2/18	2578
	18.45000	0.05000	9/5/18	2578

	16.10000	0.00000	10/2/18	2578
	17.00000	0.00000	11/2/18	2578
	18.05000	0.05000	12/4/18	2578
	21.55000	0.05000	1/3/19	2578
	45.70000	0.05000	2/4/19	2578
	43.30000	0.05000	3/4/19	2578
	26.85000	0.05000	4/2/19	2578
	21.70000	0.05000	5/2/19	2578
	18.95000	0.05000	6/4/19	2578
	19.45000	0.05000	7/2/19	2578
	22.45000	0.05000	8/2/19	2578
	21.95000	0.05000	9/4/19	2578
	19.50000	0.05000	10/2/19	2578
	19.60000	0.05000	11/4/19	2578
	20.65000	0.05000	12/3/19	2578
	23.35000	0.05000	1/3/20	2578
	46.00000	0.05000	2/4/20	2578
	42.65000	0.05000	3/3/20	2578
	26.30000	0.05000	4/2/20	2578
	21.95000	0.05000	5/4/20	2578
	16.70000	0.05000	6/2/20	2578
	18.60000	0.05000	7/2/20	2578
	20.50000	0.05000	8/4/20	2578
	20.55000	0.05000	9/2/20	2578
	19.15000	0.05000	10/2/20	2578
	18.95000	0.05000	11/3/20	2578

	19.50000	0.05000	12/2/20	2578
	24.35000	0.05000	1/5/21	2578
	30.06000	0.00000	10/4/16	2581
	25.27000	0.46000	11/2/16	2581
	29.90000	1.30000	12/2/16	2581
	38.90000	0.50000	1/4/17	2581
	57.70000	0.25000	2/2/17	2581
	56.00000	0.35000	3/2/17	2581
	35.35000	0.45000	4/4/17	2581
	28.95000	0.10000	5/2/17	2581
	29.45000	0.15000	6/2/17	2581
	31.65000	0.10000	7/5/17	2581
	39.30000	0.15000	8/2/17	2581
	34.95000	0.10000	9/5/17	2581
	29.15000	0.15000	10/3/17	2581
	27.90000	0.15000	11/2/17	2581
	28.65000	0.30000	12/4/17	2581
	34.90000	0.20000	1/3/18	2581
	59.75000	0.30000	2/2/18	2581
	56.10000	0.30000	3/2/18	2581
	35.50000	0.10000	4/3/18	2581
	29.55000	0.10000	5/2/18	2581
	30.05000	0.00000	6/4/18	2581
	29.10000	0.00000	7/3/18	2581
	37.65000	0.00000	8/2/18	2581
	33.80000	0.00000	9/5/18	2581

	26.65000	0.15000	10/2/18	2581
	25.35000	0.00000	11/2/18	2581
	26.65000	0.00000	12/4/18	2581
	30.20000	0.00000	1/3/19	2581
	58.45000	-0.15000	2/4/19	2581
	55.40000	-0.10000	3/4/19	2581
	33.95000	-0.10000	4/2/19	2581
	28.65000	-0.05000	5/2/19	2581
	27.40000	-0.05000	6/4/19	2581
	31.15000	0.30000	7/2/19	2581
	41.65000	-0.10000	8/2/19	2581
	36.75000	-0.10000	9/4/19	2581
	28.25000	-0.05000	10/2/19	2581
	27.35000	-0.05000	11/4/19	2581
	27.85000	-0.05000	12/3/19	2581
	32.45000	-0.10000	1/3/20	2581
	59.00000	-0.15000	2/4/20	2581
	55.10000	-0.10000	3/3/20	2581
	34.10000	-0.10000	4/2/20	2581
	28.35000	-0.05000	5/4/20	2581
	29.75000	-0.10000	6/2/20	2581
	31.50000	0.30000	7/2/20	2581
	42.25000	-0.10000	8/4/20	2581
	37.55000	-0.10000	9/2/20	2581
	29.10000	-0.05000	10/2/20	2581
	26.95000	-0.05000	11/3/20	2581

	27.40000	-0.05000	12/2/20	2581
	33.75000	-0.10000	1/5/21	2581
	37.20000	0.00000	10/4/16	3163
	32.53000	0.58000	11/2/16	3163
	33.10000	0.55000	12/2/16	3163
	35.95000	0.50000	1/4/17	3163
	43.40000	0.25000	2/2/17	3163
	47.70000	0.30000	3/2/17	3163
	31.85000	0.45000	4/4/17	3163
	30.80000	0.10000	5/2/17	3163
	31.80000	0.15000	6/2/17	3163
	33.80000	0.10000	7/5/17	3163
	42.95000	0.05000	8/2/17	3163
	44.35000	0.05000	9/5/17	3163
	28.30000	0.15000	10/3/17	3163
	26.50000	0.15000	11/2/17	3163
	27.05000	0.30000	12/4/17	3163
	34.25000	0.20000	1/3/18	3163
	43.10000	0.30000	2/2/18	3163
	39.60000	0.30000	3/2/18	3163
	32.85000	0.10000	4/3/18	3163
	29.10000	0.10000	5/2/18	3163
	30.10000	0.00000	6/4/18	3163
	30.45000	0.00000	7/3/18	3163
	39.60000	0.00000	8/2/18	3163
	34.60000	0.00000	9/5/18	3163

	28.55000	0.15000	10/2/18	3163
	27.90000	0.00000	11/2/18	3163
	27.70000	0.00000	12/4/18	3163
	30.20000	0.00000	1/3/19	3163
	42.70000	-0.15000	2/4/19	3163
	39.25000	-0.10000	3/4/19	3163
	32.25000	-0.10000	4/2/19	3163
	28.55000	-0.05000	5/2/19	3163
	29.55000	-0.05000	6/4/19	3163
	30.00000	0.30000	7/2/19	3163
	37.40000	-0.10000	8/2/19	3163
	32.70000	-0.10000	9/4/19	3163
	28.25000	-0.05000	10/2/19	3163
	27.80000	-0.05000	11/4/19	3163
	27.65000	-0.05000	12/3/19	3163
	29.70000	-0.10000	1/3/20	3163
	42.20000	-0.15000	2/4/20	3163
	38.70000	-0.10000	3/3/20	3163
	32.25000	-0.10000	4/2/20	3163
	28.55000	-0.05000	5/4/20	3163
	29.35000	-0.10000	6/2/20	3163
	29.95000	0.30000	7/2/20	3163
	37.45000	-0.10000	8/4/20	3163
	32.75000	-0.10000	9/2/20	3163
	28.15000	-0.05000	10/2/20	3163
	27.95000	-0.05000	11/3/20	3163

	27.75000	-0.05000	12/2/20	3163
	29.55000	-0.10000	1/5/21	3163
	21.89000	0.00000	10/4/16	3164
	23.39000	0.25000	11/2/16	3164
	23.60000	0.00000	12/2/16	3164
	27.75000	0.20000	1/4/17	3164
	36.55000	0.10000	2/2/17	3164
	32.60000	0.10000	3/2/17	3164
	27.30000	0.00000	4/4/17	3164
	23.35000	0.00000	5/2/17	3164
	20.20000	0.25000	6/2/17	3164
	21.20000	0.00000	7/5/17	3164
	23.50000	0.00000	8/2/17	3164
	21.40000	0.00000	9/5/17	3164
	20.55000	0.00000	10/3/17	3164
	22.15000	0.00000	11/2/17	3164
	21.80000	0.00000	12/4/17	3164
	25.55000	0.00000	1/3/18	3164
	34.90000	0.15000	2/2/18	3164
	31.85000	0.15000	3/2/18	3164
	26.45000	0.05000	4/3/18	3164
	23.70000	0.05000	5/2/18	3164
	19.30000	0.00000	6/4/18	3164
	19.80000	0.00000	7/3/18	3164
	21.75000	0.05000	8/2/18	3164
	21.30000	0.05000	9/5/18	3164

	18.70000	0.00000	10/2/18	3164
	20.25000	0.05000	11/2/18	3164
	20.85000	0.05000	12/4/18	3164
	23.05000	0.05000	1/3/19	3164
	33.75000	0.05000	2/4/19	3164
	30.70000	0.05000	3/4/19	3164
	25.60000	0.05000	4/2/19	3164
	23.00000	0.05000	5/2/19	3164
	18.45000	0.05000	6/4/19	3164
	19.20000	0.05000	7/2/19	3164
	21.20000	0.05000	8/2/19	3164
	20.60000	0.05000	9/4/19	3164
	18.95000	0.05000	10/2/19	3164
	20.20000	0.05000	11/4/19	3164
	20.75000	0.05000	12/3/19	3164
	23.20000	0.05000	1/3/20	3164
	33.60000	0.05000	2/4/20	3164
	30.55000	0.05000	3/3/20	3164
	25.35000	0.05000	4/2/20	3164
	22.80000	0.05000	5/4/20	3164
	18.40000	0.05000	6/2/20	3164
	19.10000	0.05000	7/2/20	3164
	21.00000	0.05000	8/4/20	3164
	20.50000	0.05000	9/2/20	3164
	18.85000	0.05000	10/2/20	3164
	20.15000	0.05000	11/3/20	3164

	20.80000	0.05000	12/2/20	3164
	23.05000	0.05000	1/5/21	3164
	30.19000	0.00000	10/4/16	1866
	25.63000	0.40000	11/2/16	1866
	30.35000	1.30000	12/2/16	1866
	37.85000	0.00000	1/4/17	1866
	60.90000	0.25000	2/2/17	1866
	59.25000	0.35000	3/2/17	1866
	36.80000	0.45000	4/4/17	1866
	28.90000	0.10000	5/2/17	1866
	29.25000	0.15000	6/2/17	1866
	31.55000	0.10000	7/5/17	1866
	41.45000	0.15000	8/2/17	1866
	37.55000	0.10000	9/5/17	1866
	29.30000	0.15000	10/3/17	1866
	29.10000	0.15000	11/2/17	1866
	30.20000	0.30000	12/4/17	1866
	38.40000	0.20000	1/3/18	1866
	64.55000	0.30000	2/2/18	1866
	60.40000	0.30000	3/2/18	1866
	39.00000	0.10000	4/3/18	1866
	30.90000	0.10000	5/2/18	1866
	30.50000	0.00000	6/4/18	1866
	31.35000	0.00000	7/3/18	1866
	42.25000	0.00000	8/2/18	1866
	37.55000	0.00000	9/5/18	1866

	29.55000	0.15000	10/2/18	1866
	28.65000	0.00000	11/2/18	1866
	29.70000	0.00000	12/4/18	1866
	35.10000	0.00000	1/3/19	1866
	64.75000	-0.15000	2/4/19	1866
	60.20000	-0.10000	3/4/19	1866
	37.50000	-0.10000	4/2/19	1866
	29.80000	-0.05000	5/2/19	1866
	29.10000	-0.05000	6/4/19	1866
	30.60000	0.30000	7/2/19	1866
	42.35000	-0.10000	8/2/19	1866
	37.55000	-0.10000	9/4/19	1866
	28.80000	-0.05000	10/2/19	1866
	27.50000	-0.05000	11/4/19	1866
	28.60000	-0.05000	12/3/19	1866
	34.80000	-0.10000	1/3/20	1866
	64.85000	-0.15000	2/4/20	1866
	59.60000	-0.10000	3/3/20	1866
	37.35000	-0.10000	4/2/20	1866
	29.30000	-0.05000	5/4/20	1866
	30.25000	-0.10000	6/2/20	1866
	31.05000	0.30000	7/2/20	1866
	42.00000	-0.10000	8/4/20	1866
	37.40000	-0.10000	9/2/20	1866
	28.95000	-0.05000	10/2/20	1866
	27.00000	-0.05000	11/3/20	1866

	27.95000	-0.05000	12/2/20	1866
	35.20000	-0.10000	1/5/21	1866
	16.56000	0.00000	10/4/16	1867
	17.22000	0.25000	11/2/16	1867
	22.00000	0.00000	12/2/16	1867
	26.85000	0.20000	1/4/17	1867
	49.70000	0.20000	2/2/17	1867
	45.25000	0.15000	3/2/17	1867
	26.95000	0.00000	4/4/17	1867
	19.60000	0.00000	5/2/17	1867
	17.25000	0.25000	6/2/17	1867
	16.60000	0.00000	7/5/17	1867
	20.10000	0.00000	8/2/17	1867
	17.90000	0.00000	9/5/17	1867
	17.70000	0.00000	10/3/17	1867
	19.00000	0.00000	11/2/17	1867
	19.45000	0.00000	12/4/17	1867
	26.50000	0.00000	1/3/18	1867
	50.10000	0.15000	2/2/18	1867
	46.20000	0.15000	3/2/18	1867
	28.60000	0.05000	4/3/18	1867
	22.25000	0.05000	5/2/18	1867
	18.50000	0.00000	6/4/18	1867
	18.25000	0.00000	7/3/18	1867
	20.55000	0.05000	8/2/18	1867
	20.25000	0.05000	9/5/18	1867

	18.40000	0.00000	10/2/18	1867
	19.10000	0.00000	11/2/18	1867
	20.15000	0.05000	12/4/18	1867
	26.00000	0.05000	1/3/19	1867
	49.80000	0.05000	2/4/19	1867
	46.50000	0.05000	3/4/19	1867
	28.75000	0.05000	4/2/19	1867
	22.30000	0.05000	5/2/19	1867
	19.25000	0.05000	6/4/19	1867
	19.50000	0.05000	7/2/19	1867
	21.95000	0.05000	8/2/19	1867
	21.05000	0.05000	9/4/19	1867
	19.35000	0.05000	10/2/19	1867
	19.75000	0.05000	11/4/19	1867
	21.40000	0.05000	12/3/19	1867
	24.80000	0.05000	1/3/20	1867
	49.50000	0.05000	2/4/20	1867
	46.10000	0.05000	3/3/20	1867
	30.20000	0.05000	4/2/20	1867
	22.45000	0.05000	5/4/20	1867
	19.45000	0.05000	6/2/20	1867
	19.75000	0.05000	7/2/20	1867
	21.75000	0.05000	8/4/20	1867
	21.15000	0.05000	9/2/20	1867
	18.35000	0.05000	10/2/20	1867
	20.25000	0.05000	11/3/20	1867

	21.05000	0.05000	12/2/20	1867
	26.60000	0.05000	1/5/21	1867
	21.36000	0.00000	10/4/16	1872
	22.16000	-1.79000	10/5/16	1872
	23.10000	-6.40000	10/6/16	1872
	30.70000	1.20000	10/7/16	1872
	30.70000	1.20000	10/10/16	1872
	24.35000	0.00000	10/10/16	1872
	24.35000	0.00000	10/10/16	1872
	25.64000	0.89000	10/11/16	1872
	25.64000	0.89000	10/12/16	1872
	25.64000	0.89000	10/13/16	1872
	25.64000	0.89000	10/14/16	1872
	25.64000	0.89000	10/17/16	1872
	21.79000	0.34000	10/17/16	1872
	21.79000	0.34000	10/17/16	1872
	25.64000	0.89000	10/18/16	1872
	25.64000	0.89000	10/19/16	1872
	25.64000	0.89000	10/20/16	1872
	25.64000	0.89000	10/21/16	1872
	25.64000	0.89000	10/24/16	1872
	21.79000	0.34000	10/24/16	1872
	21.79000	0.34000	10/24/16	1872
	25.64000	0.89000	10/25/16	1872
	25.64000	0.89000	10/26/16	1872
	25.64000	0.89000	10/27/16	1872

	25.64000	0.89000	10/28/16	1872
	25.64000	0.89000	10/31/16	1872
	21.79000	0.34000	10/31/16	1872
	21.79000	0.34000	10/31/16	1872
	25.64000	0.89000	11/1/16	1872
	30.35000	1.30000	11/2/16	1872
	30.35000	1.30000	11/3/16	1872
	30.35000	1.30000	11/4/16	1872
	30.35000	1.30000	11/7/16	1872
	25.80000	1.11000	11/7/16	1872
	25.80000	1.11000	11/7/16	1872
	30.35000		11/8/16	1872
	30.35000		11/9/16	1872
	30.35000		11/10/16	1872
	12.38000	0.00000	10/4/16	1873
	13.84000	-0.61000	10/5/16	1873
	14.15000	-0.98000	10/6/16	1873
	15.62000	0.49000	10/7/16	1873
	15.62000	0.49000	10/10/16	1873
	17.20000	0.00000	10/10/16	1873
	17.20000	0.00000	10/10/16	1873
	15.62000	0.49000	10/11/16	1873
	15.62000	0.49000	10/12/16	1873
	15.62000	0.49000	10/13/16	1873
	15.62000	0.49000	10/14/16	1873
	15.62000	0.49000	10/17/16	1873

	14.64000	0.21000	10/17/16	1873
	14.64000	0.21000	10/17/16	1873
	15.62000	0.49000	10/18/16	1873
	15.62000	0.49000	10/19/16	1873
	15.62000	0.49000	10/20/16	1873
	15.62000	0.49000	10/21/16	1873
	15.62000	0.49000	10/24/16	1873
	14.64000	0.21000	10/24/16	1873
	14.64000	0.21000	10/24/16	1873
	15.62000	0.49000	10/25/16	1873
	15.62000	0.49000	10/26/16	1873
	15.62000	0.49000	10/27/16	1873
	15.62000	0.49000	10/28/16	1873
	15.62000	0.49000	10/31/16	1873
	14.64000	0.21000	10/31/16	1873
	14.64000	0.21000	10/31/16	1873
	15.62000	0.49000	11/1/16	1873
	20.18000	-0.95000	11/2/16	1873
	20.18000	-0.95000	11/3/16	1873
	20.18000	-0.95000	11/4/16	1873
	20.18000	-0.95000	11/7/16	1873
	18.70000	0.00000	11/7/16	1873
	18.70000	0.00000	11/7/16	1873
	20.18000		11/8/16	1873
	20.18000		11/9/16	1873
	20.18000		11/10/16	1873

	29.63000	0.00000	10/4/16	3703
	28.16000	0.29000	11/2/16	3703
	29.55000	1.30000	12/2/16	3703
	39.10000	0.50000	1/4/17	3703
	59.70000	0.25000	2/2/17	3703
	58.20000	0.35000	3/2/17	3703
	37.40000	0.45000	4/4/17	3703
	29.60000	0.10000	5/2/17	3703
	29.50000	0.15000	6/2/17	3703
	32.40000	0.10000	7/5/17	3703
	39.90000	0.15000	8/2/17	3703
	36.45000	0.10000	9/5/17	3703
	30.55000	0.15000	10/3/17	3703
	28.60000	0.15000	11/2/17	3703
	29.45000	0.30000	12/4/17	3703
	36.20000	0.20000	1/3/18	3703
	59.95000	0.30000	2/2/18	3703
	55.65000	0.30000	3/2/18	3703
	35.20000	0.10000	4/3/18	3703
	28.30000	0.10000	5/2/18	3703
	28.70000	0.00000	6/4/18	3703
	29.60000	0.00000	7/3/18	3703
	41.55000	0.00000	8/2/18	3703
	36.60000	0.00000	9/5/18	3703
	27.95000	0.15000	10/2/18	3703
	26.50000	0.00000	11/2/18	3703

	28.10000	0.00000	12/4/18	3703
	32.95000	0.00000	1/3/19	3703
	58.80000	-0.15000	2/4/19	3703
	55.05000	-0.10000	3/4/19	3703
	33.65000	-0.10000	4/2/19	3703
	27.35000	-0.05000	5/2/19	3703
	26.40000	-0.05000	6/4/19	3703
	29.05000	0.30000	7/2/19	3703
	41.00000	-0.10000	8/2/19	3703
	36.30000	-0.10000	9/4/19	3703
	27.10000	-0.05000	10/2/19	3703
	26.70000	-0.05000	11/4/19	3703
	27.60000	-0.05000	12/3/19	3703
	32.70000	-0.10000	1/3/20	3703
	59.75000	-0.15000	2/4/20	3703
	54.50000	-0.10000	3/3/20	3703
	33.65000	-0.10000	4/2/20	3703
	28.00000	-0.05000	5/4/20	3703
	28.15000	-0.10000	6/2/20	3703
	30.15000	0.30000	7/2/20	3703
	40.60000	-0.10000	8/4/20	3703
	35.75000	-0.10000	9/2/20	3703
	26.95000	-0.05000	10/2/20	3703
	26.40000	-0.05000	11/3/20	3703
	26.70000	-0.05000	12/2/20	3703
	33.15000	-0.10000	1/5/21	3703

	16.30000	0.00000	10/4/16	3707
	18.11000	0.21000	11/2/16	3707
	20.30000	0.00000	12/2/16	3707
	28.00000	0.20000	1/4/17	3707
	46.00000	0.20000	2/2/17	3707
	41.90000	0.15000	3/2/17	3707
	25.45000	0.00000	4/4/17	3707
	20.40000	0.00000	5/2/17	3707
	17.95000	0.25000	6/2/17	3707
	18.90000	0.00000	7/5/17	3707
	21.80000	0.00000	8/2/17	3707
	19.75000	0.00000	9/5/17	3707
	19.20000	0.00000	10/3/17	3707
	20.45000	0.00000	11/2/17	3707
	20.25000	0.00000	12/4/17	3707
	26.20000	0.00000	1/3/18	3707
	45.65000	0.15000	2/2/18	3707
	42.10000	0.15000	3/2/18	3707
	26.25000	0.05000	4/3/18	3707
	21.60000	0.05000	5/2/18	3707
	17.40000	0.00000	6/4/18	3707
	17.95000	0.00000	7/3/18	3707
	20.20000	0.05000	8/2/18	3707
	19.90000	0.05000	9/5/18	3707
	17.60000	0.00000	10/2/18	3707
	19.45000	0.00000	11/2/18	3707

	20.25000	0.05000	12/4/18	3707
	24.15000	0.05000	1/3/19	3707
	44.95000	0.05000	2/4/19	3707
	42.10000	0.05000	3/4/19	3707
	26.20000	0.05000	4/2/19	3707
	21.05000	0.05000	5/2/19	3707
	18.75000	0.05000	6/4/19	3707
	17.65000	0.05000	7/2/19	3707
	21.55000	0.05000	8/2/19	3707
	20.80000	0.05000	9/4/19	3707
	18.75000	0.05000	10/2/19	3707
	18.95000	0.05000	11/4/19	3707
	20.35000	0.05000	12/3/19	3707
	22.90000	0.05000	1/3/20	3707
	44.65000	0.05000	2/4/20	3707
	41.70000	0.05000	3/3/20	3707
	27.15000	0.05000	4/2/20	3707
	21.15000	0.05000	5/4/20	3707
	19.75000	0.05000	6/2/20	3707
	17.90000	0.05000	7/2/20	3707
	22.05000	0.05000	8/4/20	3707
	21.70000	0.05000	9/2/20	3707
	18.25000	0.05000	10/2/20	3707
	19.35000	0.05000	11/3/20	3707
	19.95000	0.05000	12/2/20	3707
	24.70000	0.05000	1/5/21	3707

	37.87000	0.00000	10/4/16	3704
	33.17000	0.71000	11/2/16	3704
	33.45000	1.30000	12/2/16	3704
	39.15000	0.50000	1/4/17	3704
	52.30000	0.25000	2/2/17	3704
	51.85000	0.35000	3/2/17	3704
	40.80000	0.45000	4/4/17	3704
	34.75000	0.10000	5/2/17	3704
	35.15000	0.15000	6/2/17	3704
	35.80000	0.10000	7/5/17	3704
	43.35000	0.15000	8/2/17	3704
	39.85000	0.10000	9/5/17	3704
	33.60000	0.15000	10/3/17	3704
	32.20000	0.15000	11/2/17	3704
	32.65000	0.30000	12/4/17	3704
	36.50000	0.20000	1/3/18	3704
	52.45000	0.30000	2/2/18	3704
	49.20000	0.30000	3/2/18	3704
	37.25000	0.10000	4/3/18	3704
	32.10000	0.10000	5/2/18	3704
	32.45000	0.00000	6/4/18	3704
	33.15000	0.00000	7/3/18	3704
	42.55000	0.00000	8/2/18	3704
	37.75000	0.00000	9/5/18	3704
	30.85000	0.15000	10/2/18	3704
	29.40000	0.00000	11/2/18	3704

	31.05000	0.00000	12/4/18	3704
	33.20000	0.00000	1/3/19	3704
	51.60000	-0.15000	2/4/19	3704
	47.60000	-0.10000	3/4/19	3704
	35.10000	-0.10000	4/2/19	3704
	31.00000	-0.05000	5/2/19	3704
	29.90000	-0.05000	6/4/19	3704
	32.40000	0.30000	7/2/19	3704
	43.05000	-0.10000	8/2/19	3704
	38.70000	-0.10000	9/4/19	3704
	30.45000	-0.05000	10/2/19	3704
	29.80000	-0.05000	11/4/19	3704
	30.25000	-0.05000	12/3/19	3704
	32.60000	-0.10000	1/3/20	3704
	51.60000	-0.15000	2/4/20	3704
	46.90000	-0.10000	3/3/20	3704
	34.80000	-0.10000	4/2/20	3704
	30.65000	-0.05000	5/4/20	3704
	32.15000	-0.10000	6/2/20	3704
	32.60000	0.30000	7/2/20	3704
	42.65000	-0.10000	8/4/20	3704
	38.10000	-0.10000	9/2/20	3704
	30.45000	-0.05000	10/2/20	3704
	29.30000	-0.05000	11/3/20	3704
	29.15000	-0.05000	12/2/20	3704
	32.85000	-0.10000	1/5/21	3704

	23.11000	0.00000	10/4/16	3708
	23.25000	0.33000	11/2/16	3708
	23.95000	0.00000	12/2/16	3708
	29.05000	0.20000	1/4/17	3708
	42.70000	0.20000	2/2/17	3708
	38.80000	0.15000	3/2/17	3708
	29.65000	0.00000	4/4/17	3708
	24.35000	0.00000	5/2/17	3708
	21.80000	0.25000	6/2/17	3708
	21.45000	0.00000	7/5/17	3708
	23.75000	0.00000	8/2/17	3708
	21.75000	0.00000	9/5/17	3708
	21.55000	0.00000	10/3/17	3708
	22.30000	0.00000	11/2/17	3708
	22.35000	0.00000	12/4/17	3708
	26.55000	0.00000	1/3/18	3708
	41.70000	0.15000	2/2/18	3708
	38.35000	0.15000	3/2/18	3708
	27.35000	0.05000	4/3/18	3708
	24.60000	0.05000	5/2/18	3708
	20.25000	0.00000	6/4/18	3708
	20.60000	0.00000	7/3/18	3708
	22.40000	0.05000	8/2/18	3708
	21.60000	0.05000	9/5/18	3708
	19.75000	0.00000	10/2/18	3708
	20.85000	0.00000	11/2/18	3708

	21.55000	0.05000	12/4/18	3708
	23.70000	0.05000	1/3/19	3708
	40.90000	0.05000	2/4/19	3708
	38.45000	0.05000	3/4/19	3708
	26.25000	0.05000	4/2/19	3708
	23.50000	0.05000	5/2/19	3708
	20.90000	0.05000	6/4/19	3708
	21.15000	0.05000	7/2/19	3708
	23.30000	0.05000	8/2/19	3708
	22.25000	0.05000	9/4/19	3708
	20.70000	0.05000	10/2/19	3708
	20.40000	0.05000	11/4/19	3708
	21.35000	0.05000	12/3/19	3708
	21.95000	0.05000	1/3/20	3708
	40.00000	0.05000	2/4/20	3708
	37.45000	0.05000	3/3/20	3708
	27.55000	0.05000	4/2/20	3708
	23.05000	0.05000	5/4/20	3708
	20.85000	0.05000	6/2/20	3708
	21.05000	0.05000	7/2/20	3708
	22.85000	0.05000	8/4/20	3708
	22.60000	0.05000	9/2/20	3708
	19.90000	0.05000	10/2/20	3708
	20.80000	0.05000	11/3/20	3708
	20.85000	0.05000	12/2/20	3708
	23.60000	0.05000	1/5/21	3708

	26.25000	-0.71000	10/31/16	287
	27.15000	0.20000	11/30/16	287
	32.65000	-0.05000	12/30/16	287
	32.10000	-0.85000	1/31/17	287
	30.70000	-0.85000	2/28/17	287
	26.90000	-0.55000	3/31/17	287
	24.30000	-0.05000	4/28/17	287
	24.75000	0.35000	5/31/17	287
	29.05000	-0.30000	6/30/17	287
	37.40000	0.10000	7/31/17	287
	36.90000	0.10000	8/31/17	287
	30.05000	0.05000	9/29/17	287
	27.55000	-0.60000	10/31/17	287
	27.45000	-0.65000	11/30/17	287
	30.60000	-0.55000	12/29/17	287
	29.45000	0.00000	1/31/18	287
	29.40000	0.00000	2/28/18	287
	29.30000	0.00000	3/29/18	287
	22.15000	0.00000	4/30/18	287
	24.80000	0.00000	5/31/18	287
	27.95000	0.00000	6/29/18	287
	37.15000	0.00000	7/31/18	287
	37.25000	0.00000	8/31/18	287
	29.25000	0.00000	9/28/18	287
	29.45000	0.00000	10/31/18	287
	29.50000	0.00000	11/30/18	287

	31.10000	0.00000	12/31/18	287
	30.35000	0.00000	1/31/19	287
	30.40000	0.00000	2/28/19	287
	30.55000	0.00000	3/29/19	287
	23.00000	0.00000	4/30/19	287
	25.95000	0.00000	5/31/19	287
	27.15000	0.00000	6/28/19	287
	36.30000	0.00000	7/31/19	287
	36.35000	0.00000	8/30/19	287
	29.05000	0.00000	9/30/19	287
	31.10000	0.00000	10/31/19	287
	31.15000	0.00000	11/27/19	287
	32.95000	0.00000	12/31/19	287
	31.10000	0.00000	1/31/20	287
	31.10000	0.00000	2/28/20	287
	30.95000	0.00000	3/31/20	287
	23.10000	0.00000	4/30/20	287
	26.05000	0.00000	5/29/20	287
	27.30000	0.00000	6/30/20	287
	39.05000	0.00000	7/31/20	287
	37.15000	0.00000	8/31/20	287
	28.70000	0.00000	9/30/20	287
	30.90000	0.00000	10/30/20	287
	31.25000	0.00000	11/30/20	287
	33.30000	0.00000	12/31/20	287
	32.05000	0.00000	1/29/21	287

	31.80000	0.00000	2/26/21	287
	31.90000	0.00000	3/31/21	287
	24.10000	0.00000	4/30/21	287
	27.15000	0.00000	5/28/21	287
	28.40000	0.00000	6/30/21	287
	39.95000	0.00000	7/30/21	287
	38.05000	0.00000	8/31/21	287
	29.50000	0.00000	9/30/21	287
	31.40000	0.00000	10/29/21	287
	32.40000	0.00000	11/30/21	287
	34.05000	0.00000	12/31/21	287
	33.70000	0.00000	1/31/22	287
	33.25000	0.00000	2/28/22	287
	33.65000	0.00000	3/31/22	287
	25.50000	0.00000	4/29/22	287
	28.80000	0.00000	5/31/22	287
	30.15000	0.00000	6/30/22	287
	41.55000	0.00000	7/29/22	287
	39.80000	0.00000	8/31/22	287
	30.80000	0.00000	9/30/22	287
	32.90000	0.00000	10/31/22	287
	33.80000	0.00000	11/30/22	287
	35.40000	0.00000	12/30/22	287
	35.90000	0.00000	1/31/23	287
	35.35000	0.00000	2/28/23	287
	35.75000	0.00000	3/31/23	287

	27.30000	0.00000	4/28/23	287
	30.60000	0.00000	5/31/23	287
	32.15000	0.00000	6/30/23	287
	43.85000	0.00000	7/31/23	287
	41.85000	0.00000	8/31/23	287
	32.60000	0.00000	9/29/23	287
	35.15000	0.00000	10/31/23	287
	35.15000	0.00000	11/30/23	287
	37.20000	0.00000	12/29/23	287
	37.40000	0.00000	1/31/24	287
	37.05000	0.00000	2/29/24	287
	37.60000	0.00000	3/28/24	287
	28.25000	0.00000	4/30/24	287
	31.70000	0.00000	5/31/24	287
	33.25000	0.00000	6/28/24	287
	45.90000	0.00000	7/31/24	287
	43.80000	0.00000	8/30/24	287
	34.15000	0.00000	9/30/24	287
	36.70000	0.00000	10/31/24	287
	36.60000	0.00000	11/27/24	287
	38.95000	0.00000	12/31/24	287
	39.40000	0.00000	1/31/25	287
	38.90000	0.00000	2/28/25	287
	39.30000	0.00000	3/31/25	287
	30.15000	0.00000	4/30/25	287
	33.75000	0.00000	5/30/25	287

	35.40000	0.00000	6/30/25	287
	47.45000	0.00000	7/31/25	287
	45.45000	0.00000	8/29/25	287
	35.40000	0.00000	9/30/25	287
	38.70000	0.00000	10/31/25	287
	38.55000	0.00000	11/26/25	287
	40.95000	0.00000	12/31/25	287
	42.95000	0.00000	1/30/26	287
	42.60000	0.00000	2/27/26	287
	42.80000	0.00000	3/31/26	287
	33.45000	0.00000	4/30/26	287
	37.20000	0.00000	5/29/26	287
	38.90000	0.00000	6/30/26	287
	50.95000	0.00000	7/31/26	287
	49.00000	0.00000	8/31/26	287
	38.50000	0.00000	9/30/26	287
	42.60000	0.00000	10/30/26	287
	42.45000	0.00000	11/30/26	287
	44.80000	0.00000	12/31/26	287
	25.00000	0.00000	10/4/16	3551
	24.15000	0.34000	11/2/16	3551
	24.90000	0.00000	12/2/16	3551
	29.90000	0.20000	1/4/17	3551
	26.99000	0.05000	2/2/17	3551
	26.99000	0.05000	3/2/17	3551
	26.99000	0.05000	4/4/17	3551

	26.99000	0.05000	5/2/17	3551
	26.99000	0.05000	6/2/17	3551
	26.99000	0.05000	7/5/17	3551
	26.99000	0.05000	8/2/17	3551
	26.99000	0.05000	9/5/17	3551
	26.99000	0.05000	10/3/17	3551
	26.99000	0.05000	11/2/17	3551
	26.99000	0.05000	12/4/17	3551
	26.99000	0.05000	1/3/18	3551
	25.55000	0.05000	2/2/18	3551
	25.55000	0.05000	3/2/18	3551
	25.55000	0.05000	4/3/18	3551
	25.55000	0.05000	5/2/18	3551
	25.55000	0.05000	6/4/18	3551
	25.55000	0.05000	7/3/18	3551
	25.55000	0.05000	8/2/18	3551
	25.55000	0.05000	9/5/18	3551
	25.55000	0.05000	10/2/18	3551
	25.55000	0.05000	11/2/18	3551
	25.55000	0.05000	12/4/18	3551
	25.55000	0.05000	1/3/19	3551
	25.25000	0.05000	2/4/19	3551
	25.25000	0.05000	3/4/19	3551
	25.25000	0.05000	4/2/19	3551
	25.25000	0.05000	5/2/19	3551
	25.25000	0.05000	6/4/19	3551

	25.25000	0.05000	7/2/19	3551
	25.25000	0.05000	8/2/19	3551
	25.25000	0.05000	9/4/19	3551
	25.25000	0.05000	10/2/19	3551
	25.25000	0.05000	11/4/19	3551
	25.25000	0.05000	12/3/19	3551
	25.25000	0.05000	1/3/20	3551
	36.31000	0.00000	10/4/16	3550
	33.97000	0.95000	11/2/16	3550
	34.50000	0.55000	12/2/16	3550
	39.45000	0.50000	1/4/17	3550
	54.10000	0.25000	2/2/17	3550
	52.85000	0.35000	3/2/17	3550
	40.95000	0.45000	4/4/17	3550
	35.10000	0.10000	5/2/17	3550
	35.65000	0.15000	6/2/17	3550
	38.90000	0.14000	7/5/17	3550
	38.90000	0.14000	8/2/17	3550
	38.90000	0.14000	9/5/17	3550
	38.90000	0.14000	10/3/17	3550
	38.90000	0.14000	11/2/17	3550
	38.90000	0.14000	12/4/17	3550
	38.90000	0.14000	1/3/18	3550
	38.90000	0.14000	2/2/18	3550
	38.90000	0.14000	3/2/18	3550
	38.90000	0.14000	4/3/18	3550

	38.90000	0.14000	5/2/18	3550
	38.90000	0.14000	6/4/18	3550
	36.81000	-0.02000	7/3/18	3550
	36.81000	-0.02000	8/2/18	3550
	36.81000	-0.02000	9/5/18	3550
	36.81000	-0.02000	10/2/18	3550
	36.81000	-0.02000	11/2/18	3550
	36.81000	-0.02000	12/4/18	3550
	36.81000	-0.02000	1/3/19	3550
	36.81000	-0.02000	2/4/19	3550
	36.81000	-0.02000	3/4/19	3550
	36.81000	-0.02000	4/2/19	3550
	36.81000	-0.02000	5/2/19	3550
	36.81000	-0.02000	6/4/19	3550
	36.31000	-0.06000	7/2/19	3550
	36.31000	-0.06000	8/2/19	3550
	36.31000	-0.06000	9/4/19	3550
	36.31000	-0.06000	10/2/19	3550
	36.31000	-0.06000	11/4/19	3550
	36.31000	-0.06000	12/3/19	3550
	36.31000	-0.06000	1/3/20	3550
	36.31000	-0.06000	2/4/20	3550
	36.31000	-0.06000	3/3/20	3550
	36.31000	-0.06000	4/2/20	3550
	36.31000	-0.06000	5/4/20	3550
	36.31000	-0.06000	6/2/20	3550

	34.55000	0.00000	10/4/16	3705
	31.88000	0.09000	11/2/16	3705
	33.60000	1.30000	12/2/16	3705
	40.40000	0.50000	1/4/17	3705
	59.50000	0.25000	2/2/17	3705
	58.20000	0.35000	3/2/17	3705
	39.40000	0.45000	4/4/17	3705
	33.30000	0.10000	5/2/17	3705
	33.30000	0.15000	6/2/17	3705
	36.70000	0.10000	7/5/17	3705
	44.60000	0.15000	8/2/17	3705
	41.00000	0.10000	9/5/17	3705
	34.25000	0.15000	10/3/17	3705
	32.75000	0.15000	11/2/17	3705
	33.10000	0.30000	12/4/17	3705
	37.95000	0.20000	1/3/18	3705
	58.40000	0.30000	2/2/18	3705
	54.95000	0.30000	3/2/18	3705
	37.15000	0.10000	4/3/18	3705
	31.50000	0.10000	5/2/18	3705
	32.15000	0.00000	6/4/18	3705
	34.50000	0.00000	7/3/18	3705
	44.80000	0.00000	8/2/18	3705
	40.30000	0.00000	9/5/18	3705
	32.65000	0.15000	10/2/18	3705
	31.10000	0.00000	11/2/18	3705

	31.70000	0.00000	12/4/18	3705
	34.55000	0.00000	1/3/19	3705
	57.75000	-0.15000	2/4/19	3705
	54.05000	-0.10000	3/4/19	3705
	35.70000	-0.10000	4/2/19	3705
	30.35000	-0.05000	5/2/19	3705
	29.20000	-0.05000	6/4/19	3705
	33.80000	0.30000	7/2/19	3705
	44.85000	-0.10000	8/2/19	3705
	39.75000	-0.10000	9/4/19	3705
	30.45000	-0.05000	10/2/19	3705
	30.80000	-0.05000	11/4/19	3705
	31.60000	-0.05000	12/3/19	3705
	34.05000	-0.10000	1/3/20	3705
	57.65000	-0.15000	2/4/20	3705
	53.15000	-0.10000	3/3/20	3705
	35.35000	-0.10000	4/2/20	3705
	29.95000	-0.05000	5/4/20	3705
	30.60000	-0.10000	6/2/20	3705
	33.95000	0.30000	7/2/20	3705
	44.45000	-0.10000	8/4/20	3705
	39.20000	-0.10000	9/2/20	3705
	30.25000	-0.05000	10/2/20	3705
	30.20000	-0.05000	11/3/20	3705
	30.40000	-0.05000	12/2/20	3705
	34.25000	-0.10000	1/5/21	3705

	19.46000	0.00000	10/4/16	3709
	20.77000	0.16000	11/2/16	3709
	22.95000	0.00000	12/2/16	3709
	28.75000	0.20000	1/4/17	3709
	46.20000	0.20000	2/2/17	3709
	42.15000	0.15000	3/2/17	3709
	30.15000	0.00000	4/4/17	3709
	23.05000	0.00000	5/2/17	3709
	20.75000	0.25000	6/2/17	3709
	21.15000	0.00000	7/5/17	3709
	23.90000	0.00000	8/2/17	3709
	21.90000	0.00000	9/5/17	3709
	21.25000	0.00000	10/3/17	3709
	22.65000	0.00000	11/2/17	3709
	22.80000	0.00000	12/4/17	3709
	26.75000	0.00000	1/3/18	3709
	44.50000	0.15000	2/2/18	3709
	41.00000	0.15000	3/2/18	3709
	28.40000	0.05000	4/3/18	3709
	23.65000	0.05000	5/2/18	3709
	19.80000	0.00000	6/4/18	3709
	20.80000	0.00000	7/3/18	3709
	23.05000	0.05000	8/2/18	3709
	23.35000	0.05000	9/5/18	3709
	19.85000	0.00000	10/2/18	3709
	22.40000	0.00000	11/2/18	3709

	23.05000	0.05000	12/4/18	3709
	25.25000	0.05000	1/3/19	3709
	42.85000	0.05000	2/4/19	3709
	41.15000	0.05000	3/4/19	3709
	27.50000	0.05000	4/2/19	3709
	23.45000	0.05000	5/2/19	3709
	20.35000	0.05000	6/4/19	3709
	21.30000	0.05000	7/2/19	3709
	23.35000	0.05000	8/2/19	3709
	23.50000	0.05000	9/4/19	3709
	20.80000	0.05000	10/2/19	3709
	21.90000	0.05000	11/4/19	3709
	22.85000	0.05000	12/3/19	3709
	23.50000	0.05000	1/3/20	3709
	41.80000	0.05000	2/4/20	3709
	40.10000	0.05000	3/3/20	3709
	28.10000	0.05000	4/2/20	3709
	22.85000	0.05000	5/4/20	3709
	20.25000	0.05000	6/2/20	3709
	21.20000	0.05000	7/2/20	3709
	23.55000	0.05000	8/4/20	3709
	23.65000	0.05000	9/2/20	3709
	19.95000	0.05000	10/2/20	3709
	21.40000	0.05000	11/3/20	3709
	22.40000	0.05000	12/2/20	3709
	25.15000	0.05000	1/5/21	3709

	35.35000	0.00000	10/4/16	3706
	31.90000	0.44000	11/2/16	3706
	32.85000	1.30000	12/2/16	3706
	38.60000	0.50000	1/4/17	3706
	53.90000	0.25000	2/2/17	3706
	52.55000	0.35000	3/2/17	3706
	39.30000	0.45000	4/4/17	3706
	34.30000	0.10000	5/2/17	3706
	34.05000	0.15000	6/2/17	3706
	35.40000	0.10000	7/5/17	3706
	42.55000	0.15000	8/2/17	3706
	39.05000	0.10000	9/5/17	3706
	33.55000	0.15000	10/3/17	3706
	31.50000	0.15000	11/2/17	3706
	32.20000	0.30000	12/4/17	3706
	36.20000	0.20000	1/3/18	3706
	53.85000	0.30000	2/2/18	3706
	50.20000	0.30000	3/2/18	3706
	37.05000	0.10000	4/3/18	3706
	31.90000	0.10000	5/2/18	3706
	32.45000	0.00000	6/4/18	3706
	32.70000	0.00000	7/3/18	3706
	43.30000	0.00000	8/2/18	3706
	38.50000	0.00000	9/5/18	3706
	30.80000	0.15000	10/2/18	3706
	29.75000	0.00000	11/2/18	3706

	30.60000	0.00000	12/4/18	3706
	32.90000	0.00000	1/3/19	3706
	53.50000	-0.15000	2/4/19	3706
	49.70000	-0.10000	3/4/19	3706
	35.40000	-0.10000	4/2/19	3706
	30.90000	-0.05000	5/2/19	3706
	29.85000	-0.05000	6/4/19	3706
	32.00000	0.30000	7/2/19	3706
	42.35000	-0.10000	8/2/19	3706
	37.85000	-0.10000	9/4/19	3706
	29.30000	-0.05000	10/2/19	3706
	28.85000	-0.05000	11/4/19	3706
	29.70000	-0.05000	12/3/19	3706
	32.55000	-0.10000	1/3/20	3706
	52.80000	-0.15000	2/4/20	3706
	48.85000	-0.10000	3/3/20	3706
	35.10000	-0.10000	4/2/20	3706
	30.55000	-0.05000	5/4/20	3706
	31.25000	-0.10000	6/2/20	3706
	32.20000	0.30000	7/2/20	3706
	41.90000	-0.10000	8/4/20	3706
	38.05000	-0.10000	9/2/20	3706
	29.20000	-0.05000	10/2/20	3706
	28.35000	-0.05000	11/3/20	3706
	29.15000	-0.05000	12/2/20	3706
	32.80000	-0.10000	1/5/21	3706

	20.02000	0.00000	10/4/16	3710
	21.85000	0.26000	11/2/16	3710
	23.45000	0.00000	12/2/16	3710
	28.10000	0.20000	1/4/17	3710
	43.95000	0.20000	2/2/17	3710
	39.85000	0.15000	3/2/17	3710
	28.80000	0.00000	4/4/17	3710
	23.40000	0.00000	5/2/17	3710
	20.80000	0.25000	6/2/17	3710
	20.90000	0.00000	7/5/17	3710
	23.55000	0.00000	8/2/17	3710
	21.60000	0.00000	9/5/17	3710
	20.70000	0.00000	10/3/17	3710
	22.15000	0.00000	11/2/17	3710
	22.50000	0.00000	12/4/17	3710
	26.55000	0.00000	1/3/18	3710
	43.00000	0.15000	2/2/18	3710
	39.50000	0.15000	3/2/18	3710
	28.50000	0.05000	4/3/18	3710
	25.50000	0.05000	5/2/18	3710
	20.65000	0.00000	6/4/18	3710
	21.25000	0.00000	7/3/18	3710
	23.00000	0.05000	8/2/18	3710
	23.35000	0.05000	9/5/18	3710
	20.15000	0.00000	10/2/18	3710
	21.85000	0.00000	11/2/18	3710

	22.55000	0.05000	12/4/18	3710
	24.80000	0.05000	1/3/19	3710
	42.25000	0.05000	2/4/19	3710
	39.50000	0.05000	3/4/19	3710
	27.25000	0.05000	4/2/19	3710
	24.40000	0.05000	5/2/19	3710
	21.20000	0.05000	6/4/19	3710
	21.15000	0.05000	7/2/19	3710
	23.25000	0.05000	8/2/19	3710
	23.20000	0.05000	9/4/19	3710
	20.75000	0.05000	10/2/19	3710
	21.45000	0.05000	11/4/19	3710
	22.40000	0.05000	12/3/19	3710
	23.05000	0.05000	1/3/20	3710
	41.35000	0.05000	2/4/20	3710
	38.75000	0.05000	3/3/20	3710
	27.70000	0.05000	4/2/20	3710
	23.90000	0.05000	5/4/20	3710
	21.40000	0.05000	6/2/20	3710
	21.05000	0.05000	7/2/20	3710
	22.40000	0.05000	8/4/20	3710
	23.60000	0.05000	9/2/20	3710
	20.60000	0.05000	10/2/20	3710
	21.85000	0.05000	11/3/20	3710
	21.95000	0.05000	12/2/20	3710
	24.70000	0.05000	1/5/21	3710

	22.97000	0.00000	10/4/16	745
	20.71000	0.00000	10/5/16	745
	20.87000	-1.93000	10/6/16	745
	22.55000	-0.25000	10/7/16	745
	22.55000	-0.25000	10/10/16	745
	22.55000	-0.25000	10/10/16	745
	22.55000	-0.25000	10/10/16	745
	22.55000	-0.25000	10/11/16	745
	22.55000	-0.25000	10/12/16	745
	22.55000	-0.25000	10/13/16	745
	22.55000	-0.25000	10/14/16	745
	22.55000	-0.25000	10/17/16	745
	22.55000	-0.25000	10/17/16	745
	22.55000	-0.25000	10/17/16	745
	22.55000	-0.25000	10/18/16	745
	22.55000	-0.25000	10/19/16	745
	22.55000	-0.25000	10/20/16	745
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	22.55000	-0.25000	10/24/16	745
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	22.55000	-0.25000	10/27/16	745
	22.55000	-0.25000	10/28/16	745
	22.55000	-0.25000	10/31/16	745

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	22.55000	-0.25000	10/31/16	745
	22.55000	-0.25000	11/1/16	745
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	23.85000	0.20000	11/3/16	745
	23.85000	0.20000	11/4/16	745
	23.85000	0.20000	11/7/16	745
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	23.85000	0.20000	11/21/16	745
	23.85000	0.20000	11/22/16	745
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	23.85000	0.20000	12/1/16	745
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	27.30000	-0.35000	12/5/16	745
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	27.30000	-0.35000	12/9/16	745
	27.30000		12/12/16	745
	27.30000		12/12/16	745
	27.30000		12/12/16	745
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	4.80000	0.05000	12/22/17	4580
	4.97000	0.04000	12/24/18	4580
	5.17000	0.06000	12/24/19	4580
	4.64000	0.04000	12/23/16	5251
	4.80000	0.05000	12/22/17	5251
	4.97000	0.04000	12/24/18	5251
	4.62000	0.04000	10/26/16	5741

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	4.64000	0.04000	12/23/16	5741
	4.65000	0.04000	1/26/17	5741
	4.67000	0.04000	2/23/17	5741
	4.68000	0.04000	3/28/17	5741
	4.69000	0.04000	4/25/17	5741
	4.71000	0.05000	5/25/17	5741
	4.72000	0.04000	6/27/17	5741
	4.73000	0.04000	7/26/17	5741
	4.75000	0.05000	8/28/17	5741
	4.76000	0.05000	9/26/17	5741
	4.77000	0.04000	10/26/17	5741
	4.79000	0.05000	11/27/17	5741
	4.80000	0.05000	12/22/17	5741
	4.84000	0.04000	3/26/18	5741
	4.89000	0.05000	6/26/18	5741
	4.93000	0.04000	9/25/18	5741
	4.97000	0.04000	12/24/18	5741
	4.63000	0.06000	10/26/16	5742
	4.63000	0.03000	11/25/16	5742
	4.65000	0.06000	12/23/16	5742
	4.66000	0.06000	1/26/17	5742
	4.68000	0.06000	2/23/17	5742
	4.69000	0.06000	3/28/17	5742
	4.70000	0.06000	4/25/17	5742
	4.71000	0.06000	5/25/17	5742

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	4.74000	0.06000	7/26/17	5742
	4.75000	0.06000	8/28/17	5742
	4.76000	0.06000	9/26/17	5742
	4.78000	0.06000	10/26/17	5742
	4.79000	0.06000	11/27/17	5742
	4.80000	0.06000	12/22/17	5742
	4.84000	0.06000	3/26/18	5742
	4.89000	0.07000	6/26/18	5742
	4.93000	0.07000	9/25/18	5742
	4.97000	0.07000	12/24/18	5742
	5.17000	0.07000	12/24/19	5742
	5.39000	0.07000	12/24/20	5742
	4.63000	0.06000	10/26/16	18397
	4.63000	0.03000	11/25/16	18397
	4.65000	0.06000	12/23/16	18397
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	4.68000	0.06000	2/23/17	18397
	4.69000	0.06000	3/28/17	18397
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	4.73000	0.06000	6/27/17	18397
	4.74000	0.06000	7/26/17	18397
	4.75000	0.06000	8/28/17	18397
	4.76000	0.06000	9/26/17	18397
	4.78000	0.06000	10/26/17	18397

	4.79000	0.06000	11/27/17	18397
	4.80000	0.06000	12/22/17	18397
	4.97000	0.07000	12/24/18	18397
	5.17000	0.07000	12/24/19	18397
	5.39000	0.07000	12/24/20	18397
	4.63000	0.06000	10/26/16	18628
	4.63000	0.03000	11/25/16	18628
	4.65000	0.06000	12/23/16	18628
	4.69000	0.06000	3/28/17	18628
	4.73000	0.06000	6/27/17	18628
	4.76000	0.06000	9/26/17	18628
	4.80000	0.06000	12/22/17	18628
	4.84000	0.06000	3/26/18	18628
	4.89000	0.07000	6/26/18	18628
	4.93000	0.07000	9/25/18	18628
	4.97000	0.07000	12/24/18	18628
	5.17000	0.07000	12/24/19	18628
	5.39000	0.07000	12/24/20	18628
	4.63000	0.06000	10/26/16	18629
	4.63000	0.03000	11/25/16	18629
	4.65000	0.06000	12/23/16	18629
	4.69000	0.06000	3/28/17	18629
	4.73000	0.06000	6/27/17	18629
	4.76000	0.06000	9/26/17	18629
	4.80000	0.06000	12/22/17	18629
	4.84000	0.06000	3/26/18	18629

	4.89000	0.07000	6/26/18	18629
	4.93000	0.07000	9/25/18	18629
	4.97000	0.07000	12/24/18	18629
	5.17000	0.07000	12/24/19	18629
	5.39000	0.07000	12/24/20	18629
	37.07000	0.00000	10/5/16	18458
	26.64000	-0.03000	11/3/16	18458
	35.20000	0.30000	12/5/16	18458
	52.90000	0.85000	1/5/17	18458
	76.35000	0.95000	2/3/17	18458
	75.60000	1.00000	3/3/17	18458
	49.75000	0.45000	4/5/17	18458
	34.70000	-0.05000	5/3/17	18458
	31.40000	0.00000	6/5/17	18458
	33.20000	0.10000	7/6/17	18458
	42.75000	0.10000	8/3/17	18458
	39.10000	0.10000	9/6/17	18458
	30.95000	0.05000	10/4/17	18458
	31.15000	-0.25000	11/3/17	18458
	36.00000	-0.25000	12/5/17	18458
	52.95000	0.20000	1/4/18	18458
	77.60000	2.35000	2/5/18	18458
	74.25000	2.25000	3/5/18	18458
	47.55000	-0.80000	4/4/18	18458
	36.40000	-0.65000	5/3/18	18458
	30.35000	-0.60000	6/5/18	18458

	33.30000	-0.65000	7/5/18	18458
	42.95000	-0.80000	8/3/18	18458
	36.95000	-0.75000	9/6/18	18458
	29.55000	-0.45000	10/3/18	18458
	33.45000	-0.65000	11/5/18	18458
	40.75000	-0.80000	12/5/18	18458
	52.90000	-1.05000	1/4/19	18458
	76.85000	1.45000	2/5/19	18458
	73.25000	1.35000	3/5/19	18458
	47.20000	0.90000	4/3/19	18458
	38.50000	0.75000	5/3/19	18458
	30.10000	0.55000	6/5/19	18458
	35.65000	1.00000	7/3/19	18458
	44.00000	0.80000	8/5/19	18458
	38.15000	0.70000	9/5/19	18458
	30.30000	0.55000	10/3/19	18458
	33.30000	0.60000	11/5/19	18458
	42.60000	0.80000	12/4/19	18458
	53.90000	1.00000	1/6/20	18458
	20.83000	0.00000	10/5/16	18459
	17.91000	0.08000	11/3/16	18459
	25.20000	-0.25000	12/5/16	18459
	39.65000	0.15000	1/5/17	18459
	59.90000	0.15000	2/3/17	18459
	57.45000	0.15000	3/3/17	18459
	40.00000	0.10000	4/5/17	18459

	25.55000	0.00000	5/3/17	18459
	22.00000	0.25000	6/5/17	18459
	21.60000	0.00000	7/6/17	18459
	24.60000	0.00000	8/3/17	18459
	20.65000	0.00000	9/6/17	18459
	21.45000	0.00000	10/4/17	18459
	22.60000	0.00000	11/3/17	18459
	27.80000	0.00000	12/5/17	18459
	40.55000	0.00000	1/4/18	18459
	61.20000	-1.30000	2/5/18	18459
	57.75000	-1.25000	3/5/18	18459
	37.45000	-0.90000	4/4/18	18459
	29.95000	-0.65000	5/3/18	18459
	22.30000	-0.50000	6/5/18	18459
	21.45000	-0.50000	7/5/18	18459
	24.50000	-0.55000	8/3/18	18459
	21.00000	-0.55000	9/6/18	18459
	23.10000	-0.55000	10/3/18	18459
	22.25000	-0.50000	11/5/18	18459
	30.20000	-0.70000	12/5/18	18459
	38.60000	-0.35000	1/4/19	18459
	62.30000	-1.30000	2/5/19	18459
	58.80000	-1.20000	3/5/19	18459
	36.40000	-0.85000	4/3/19	18459
	30.10000	-0.55000	5/3/19	18459
	21.90000	-0.45000	6/5/19	18459

	21.55000	-0.45000	7/3/19	18459
	24.55000	-0.50000	8/5/19	18459
	21.05000	-0.50000	9/5/19	18459
	24.20000	-0.40000	10/3/19	18459
	22.20000	-0.45000	11/5/19	18459
	29.90000	-0.65000	12/4/19	18459
	38.75000	-0.85000	1/6/20	18459
	41.50000	0.00000	10/4/16	752
	38.57000	0.00000	10/5/16	752
	34.69000	0.00000	10/6/16	752
	31.70000	0.00000	10/6/16	752
	27.62000	0.00000	10/6/16	752
	31.96000	0.00000	10/7/16	752
	32.59000	-0.16000	10/10/16	752
	31.50000	-2.55000	10/11/16	752
	35.25000	1.20000	10/12/16	752
	35.25000	1.20000	10/13/16	752
	35.25000	1.20000	10/13/16	752
	29.24000	-0.26000	10/13/16	752
	35.82000	-0.11000	10/14/16	752
	35.82000	-0.11000	10/17/16	752
	35.82000	-0.11000	10/18/16	752
	35.82000	-0.11000	10/19/16	752
	35.82000	-0.11000	10/20/16	752
	35.82000	-0.11000	10/20/16	752
	29.24000	-0.26000	10/20/16	752

	35.82000	-0.11000	10/21/16	752
	35.82000	-0.11000	10/24/16	752
	35.82000	-0.11000	10/25/16	752
	35.82000	-0.11000	10/26/16	752
	35.82000	-0.11000	10/27/16	752
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	35.82000	-0.11000	10/28/16	752
	35.82000	-0.11000	10/31/16	752
	35.82000	-0.11000	11/1/16	752
	35.82000	-0.11000	11/2/16	752
	35.82000	-0.11000	11/3/16	752
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	29.24000	-0.26000	11/3/16	752
	35.82000	-0.11000	11/4/16	752
	34.95000	0.20000	11/7/16	752
	34.95000	0.20000	11/8/16	752
	34.95000	0.20000	11/9/16	752
	34.95000	0.20000	11/10/16	752
	34.95000	0.20000	11/10/16	752
	30.60000	0.20000	11/10/16	752
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	34.95000	0.20000	11/16/16	752
	34.95000	0.20000	11/17/16	752

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	34.95000	0.20000	11/28/16	752
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	40.60000	-0.05000	1/6/17	752
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	34.70000	-0.30000	1/6/17	752

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	40.40000	-0.30000	1/12/17	752
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	40.40000	-0.30000	1/20/17	752
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	40.40000	-0.30000	2/2/17	752

	34.70000	-0.30000	2/2/17	752
	40.40000	-0.30000	2/3/17	752
	40.40000	-0.30000	2/6/17	752
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	38.05000	-0.25000	2/8/17	752
	38.05000	-0.25000	2/9/17	752
	38.05000	-0.25000	2/9/17	752
	32.40000	-0.25000	2/9/17	752
	38.05000	-0.25000	2/10/17	752
	38.05000	-0.25000	2/13/17	752
	38.05000	-0.25000	2/14/17	752
	38.05000	-0.25000	2/15/17	752
	38.05000	-0.25000	2/16/17	752
	38.05000	-0.25000	2/16/17	752
	32.40000	-0.25000	2/16/17	752
	38.05000	-0.25000	2/17/17	752
	38.05000	-0.25000	2/21/17	752
	38.05000	-0.25000	2/22/17	752
	38.05000	-0.25000	2/23/17	752
	38.05000	-0.25000	2/24/17	752
	38.05000	-0.25000	2/24/17	752
	32.40000	-0.25000	2/24/17	752
	38.05000	-0.25000	2/24/17	752
	38.05000	-0.25000	2/27/17	752
	38.05000	-0.25000	2/28/17	752
	38.05000	-0.25000	3/1/17	752

	38.05000	-0.25000	3/2/17	752
	38.05000	-0.25000	3/2/17	752
	32.40000	-0.25000	3/2/17	752
	38.05000	-0.25000	3/3/17	752
	38.05000	-0.25000	3/6/17	752
	31.75000	0.00000	3/7/17	752
	31.75000	0.00000	3/8/17	752
	31.75000	0.00000	3/9/17	752
	31.75000	0.00000	3/9/17	752
	28.20000	0.00000	3/9/17	752
	31.75000	0.00000	3/10/17	752
	31.75000	0.00000	3/13/17	752
	31.75000	0.00000	3/14/17	752
	31.75000	0.00000	3/15/17	752
	31.75000	0.00000	3/16/17	752
	31.75000	0.00000	3/16/17	752
	28.20000	0.00000	3/16/17	752
	31.75000	0.00000	3/17/17	752
	31.75000	0.00000	3/20/17	752
	31.75000	0.00000	3/21/17	752
	31.75000	0.00000	3/22/17	752
	31.75000	0.00000	3/23/17	752
	31.75000	0.00000	3/23/17	752
	28.20000	0.00000	3/23/17	752
	31.75000	0.00000	3/24/17	752
	31.75000	0.00000	3/27/17	752

	31.75000	0.00000	3/28/17	752
	31.75000	0.00000	3/29/17	752
	31.75000	0.00000	3/30/17	752
	31.75000	0.00000	3/30/17	752
	28.20000	0.00000	3/30/17	752
	31.75000	0.00000	3/31/17	752
	31.75000	0.00000	4/3/17	752
	31.75000	0.00000	4/4/17	752
	31.75000	0.00000	4/5/17	752
	31.75000	0.00000	4/6/17	752
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	23.90000	0.20000	4/6/17	752
	26.70000	0.60000	4/7/17	752
	26.70000	0.60000	4/10/17	752
	26.70000	0.60000	4/11/17	752
	26.70000	0.60000	4/12/17	752
	26.70000	0.60000	4/13/17	752
	26.70000	0.60000	4/13/17	752
	23.90000	0.20000	4/13/17	752
	26.70000	0.60000	4/17/17	752
	26.70000	0.60000	4/18/17	752
	26.70000	0.60000	4/19/17	752
	26.70000	0.60000	4/20/17	752
	26.70000	0.60000	4/20/17	752
	26.70000	0.60000	4/20/17	752
	23.90000	0.20000	4/20/17	752

	26.70000	0.60000	4/21/17	752
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	26.70000	0.60000	4/25/17	752
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	26.70000	0.60000	4/27/17	752
	26.70000	0.60000	4/27/17	752
	23.90000	0.20000	4/27/17	752
	26.70000	0.60000	4/28/17	752
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	26.70000	0.60000	5/2/17	752
	26.70000	0.60000	5/3/17	752
	26.70000	0.60000	5/4/17	752
	26.70000	0.60000	5/4/17	752
	23.90000	0.20000	5/4/17	752
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	27.75000	0.65000	5/9/17	752
	27.75000	0.65000	5/10/17	752
	27.75000	0.65000	5/11/17	752
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	27.75000	0.65000	5/16/17	752
	27.75000	0.65000	5/17/17	752
	27.75000	0.65000	5/18/17	752

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	27.75000	0.65000	5/22/17	752
	27.75000	0.65000	5/23/17	752
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	27.75000	0.65000	5/25/17	752
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	27.75000	0.65000	5/31/17	752
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	27.75000	0.65000	6/2/17	752
	27.75000	0.65000	6/2/17	752
	24.55000	0.25000	6/2/17	752
	27.75000	0.65000	6/2/17	752
	27.75000	0.65000	6/5/17	752
	27.75000	0.65000	6/6/17	752
	31.50000	0.45000	6/7/17	752
	31.50000	0.45000	6/8/17	752
	31.50000	0.45000	6/8/17	752
	26.00000	0.00000	6/8/17	752
	31.50000	0.45000	6/9/17	752
	31.50000	0.45000	6/12/17	752
	31.50000	0.45000	6/13/17	752

	31.50000	0.45000	6/14/17	752
	31.50000	0.45000	6/15/17	752
	31.50000	0.45000	6/15/17	752
	26.00000	0.00000	6/15/17	752
	31.50000	0.45000	6/16/17	752
	31.50000	0.45000	6/19/17	752
	31.50000	0.45000	6/20/17	752
	31.50000	0.45000	6/21/17	752
	31.50000	0.45000	6/22/17	752
	31.50000	0.45000	6/22/17	752
	26.00000	0.00000	6/22/17	752
	31.50000	0.45000	6/23/17	752
	31.50000	0.45000	6/26/17	752
	31.50000	0.45000	6/27/17	752
	31.50000	0.45000	6/28/17	752
	31.50000	0.45000	6/29/17	752
	31.50000	0.45000	6/29/17	752
	26.00000	0.00000	6/29/17	752
	31.50000	0.45000	6/30/17	752
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	31.50000	0.45000	7/5/17	752
	31.50000	0.45000	7/6/17	752
	31.50000	0.45000	7/7/17	752
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	29.80000	0.20000	7/7/17	752
	36.30000	0.25000	7/10/17	752

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	36.30000	0.25000	7/11/17	752
	36.30000	0.25000	7/12/17	752
	36.30000	0.25000	7/13/17	752
	36.30000	0.25000	7/13/17	752
	29.80000	0.20000	7/13/17	752
	36.30000	0.25000	7/14/17	752
	36.30000	0.25000	7/17/17	752
	36.30000	0.25000	7/18/17	752
	36.30000	0.25000	7/19/17	752
	36.30000	0.25000	7/20/17	752
	36.30000	0.25000	7/20/17	752
	29.80000	0.20000	7/20/17	752
	36.30000	0.25000	7/21/17	752
	36.30000	0.25000	7/24/17	752
	36.30000	0.25000	7/25/17	752
	36.30000	0.25000	7/26/17	752
	36.30000	0.25000	7/27/17	752
	36.30000	0.25000	7/27/17	752
	29.80000	0.20000	7/27/17	752
	36.30000	0.25000	7/28/17	752
	36.30000	0.25000	7/31/17	752
	36.30000	0.25000	8/1/17	752
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	36.30000	0.25000	8/3/17	752
	36.30000	0.25000	8/3/17	752

	29.80000	0.20000	8/3/17	752
	36.30000	0.25000	8/4/17	752
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	37.70000	0.20000	8/8/17	752
	37.70000	0.20000	8/9/17	752
	37.70000	0.20000	8/10/17	752
	37.70000	0.20000	8/10/17	752
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	37.70000	0.20000	8/15/17	752
	37.70000	0.20000	8/16/17	752
	37.70000	0.20000	8/17/17	752
	37.70000	0.20000	8/17/17	752
	31.20000	0.15000	8/17/17	752
	37.70000	0.20000	8/18/17	752
	37.70000	0.20000	8/21/17	752
	37.70000	0.20000	8/22/17	752
	37.70000	0.20000	8/23/17	752
	37.70000	0.20000	8/24/17	752
	37.70000	0.20000	8/24/17	752
	31.20000	0.15000	8/24/17	752
	37.70000	0.20000	8/25/17	752
	37.70000	0.20000	8/28/17	752
	37.70000	0.20000	8/29/17	752
	37.70000	0.20000	8/30/17	752

	37.70000	0.20000	8/31/17	752
	37.70000	0.20000	8/31/17	752
	31.20000	0.15000	8/31/17	752
	37.70000	0.20000	9/1/17	752
	37.70000	0.20000	9/5/17	752
	37.70000	0.20000	9/6/17	752
	37.70000	0.20000	9/7/17	752
	37.10000	0.30000	9/8/17	752
	37.10000	0.30000	9/8/17	752
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	37.10000	0.30000	9/8/17	752
	37.10000	0.30000	9/11/17	752
	37.10000	0.30000	9/12/17	752
	37.10000	0.30000	9/13/17	752
	37.10000	0.30000	9/14/17	752
	37.10000	0.30000	9/14/17	752
	30.75000	0.25000	9/14/17	752
	37.10000	0.30000	9/15/17	752
	37.10000	0.30000	9/18/17	752
	37.10000	0.30000	9/19/17	752
	37.10000	0.30000	9/20/17	752
	37.10000	0.30000	9/21/17	752
	37.10000	0.30000	9/21/17	752
	30.75000	0.25000	9/21/17	752
	37.10000	0.30000	9/22/17	752
	37.10000	0.30000	9/25/17	752

	37.10000	0.30000	9/26/17	752
	37.10000	0.30000	9/27/17	752
	37.10000	0.30000	9/28/17	752
	37.10000	0.30000	9/28/17	752
	30.75000		9/28/17	752
	26.55000	0.00000	10/4/16	2628
	27.19000	0.00000	10/5/16	2628
	29.80000	0.00000	10/6/16	2628
	25.63000	0.00000	10/7/16	2628
	25.22000	0.00000	10/10/16	2628
	25.44000	0.00000	10/10/16	2628
	25.58000	0.00000	10/10/16	2628
	26.59000	0.00000	10/11/16	2628
	30.53000	0.00000	10/12/16	2628
	38.56000	10.66000	10/13/16	2628
	28.74000	0.84000	10/14/16	2628
	28.74000	0.84000	10/17/16	2628
	23.44000	0.68000	10/17/16	2628
	23.44000	0.68000	10/17/16	2628
	28.74000	0.84000	10/18/16	2628
	28.74000	0.84000	10/19/16	2628
	28.74000	0.84000	10/20/16	2628
	28.74000	0.84000	10/21/16	2628
	28.74000	0.84000	10/24/16	2628
	23.44000	0.68000	10/24/16	2628
	23.44000	0.68000	10/24/16	2628

	28.74000	0.84000	10/25/16	2628
	28.74000	0.84000	10/26/16	2628
	28.74000	0.84000	10/27/16	2628
	28.74000	0.84000	10/28/16	2628
	28.74000	0.84000	10/31/16	2628
	23.44000	0.68000	10/31/16	2628
	23.44000	0.68000	10/31/16	2628
	28.74000	0.84000	11/1/16	2628
	28.74000	0.84000	11/2/16	2628
	28.74000	0.84000	11/3/16	2628
	28.74000	0.84000	11/4/16	2628
	28.74000	0.84000	11/7/16	2628
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	23.44000	0.68000	11/7/16	2628
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	28.45000	0.45000	11/10/16	2628
	28.45000	0.45000	11/11/16	2628
	28.45000	0.45000	11/14/16	2628
	23.40000	0.38000	11/14/16	2628
	23.40000	0.38000	11/14/16	2628
	28.45000	0.45000	11/15/16	2628
	28.45000	0.45000	11/16/16	2628
	28.45000	0.45000	11/17/16	2628
	28.45000	0.45000	11/18/16	2628
	28.45000	0.45000	11/21/16	2628

	23.40000	0.38000	11/21/16	2628
	23.40000	0.38000	11/21/16	2628
	28.45000	0.45000	11/22/16	2628
	28.45000	0.45000	11/23/16	2628
	28.45000	0.45000	11/28/16	2628
	28.45000	0.45000	11/28/16	2628
	28.45000	0.45000	11/28/16	2628
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	23.40000	0.38000	11/28/16	2628
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	23.40000	0.38000	12/5/16	2628
	23.40000	0.38000	12/5/16	2628
	28.45000	0.45000	12/6/16	2628
	28.45000	0.45000	12/7/16	2628
	28.45000	0.45000	12/8/16	2628
	30.03000	0.14000	12/9/16	2628
	30.03000	0.14000	12/12/16	2628
	23.99000	0.12000	12/12/16	2628
	23.99000	0.12000	12/12/16	2628
	30.03000	0.14000	12/13/16	2628
	30.03000	0.14000	12/14/16	2628
	30.03000	0.14000	12/15/16	2628

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	30.03000	0.14000	12/19/16	2628
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	30.03000	0.14000	12/23/16	2628
	30.03000	0.14000	12/27/16	2628
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	30.03000	0.14000	1/3/17	2628
	23.99000	0.12000	1/3/17	2628
	23.99000	0.12000	1/3/17	2628
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	30.03000	0.14000	1/5/17	2628
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	26.66000	0.09000	1/10/17	2628

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	26.66000	0.09000	1/17/17	2628
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	26.66000	0.09000	1/23/17	2628
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	26.66000	0.09000	1/30/17	2628
	26.66000	0.09000	1/30/17	2628
	31.37000	0.10000	1/31/17	2628
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	31.37000	0.10000	2/3/17	2628
	31.37000	0.10000	2/6/17	2628
	26.66000	0.09000	2/6/17	2628

	26.66000	0.09000	2/6/17	2628
	31.37000	0.10000	2/7/17	2628
	31.37000	0.10000	2/8/17	2628
	31.50000	0.09000	2/9/17	2628
	31.50000	0.09000	2/10/17	2628
	31.50000	0.09000	2/13/17	2628
	26.77000	0.08000	2/13/17	2628
	26.77000		2/13/17	2628
	31.50000		2/14/17	2628
	31.50000		2/15/17	2628
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	20.57000	0.28000	12/7/16	1864
	20.83000	0.09000	1/9/17	1864
	23.98000	0.08000	2/7/17	1864
	23.93000	0.07000	3/7/17	1864
	23.56000	0.06000	4/7/17	1864
	22.93000	0.02000	5/5/17	1864
	22.14000	0.01000	6/7/17	1864
	22.57000	0.01000	7/10/17	1864
	25.63000	0.00000	8/7/17	1864
	26.16000	-0.01000	9/8/17	1864
	23.40000	-0.02000	10/6/17	1864
	21.67000	-0.02000	11/7/17	1864
	20.98000	-0.03000	12/7/17	1864
	21.63000	-0.03000	1/8/18	1864

	24.38000	-0.07000	2/7/18	1864
	24.04000	-0.07000	3/7/18	1864
	23.57000	-0.07000	4/6/18	1864
	21.49000	-0.07000	5/7/18	1864
	20.78000	-0.08000	6/7/18	1864
	21.69000	-0.07000	7/9/18	1864
	23.87000	-0.08000	8/7/18	1864
	24.91000	-0.12000	9/10/18	1864
	22.34000	-0.11000	10/5/18	1864
	20.02000	-0.11000	11/7/18	1864
	19.90000	-0.11000	12/7/18	1864
	20.91000	-0.11000	1/8/19	1864
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	23.21000	-0.14000	3/7/19	1864
	22.81000	-0.14000	4/5/19	1864
	21.18000	-0.09000	5/7/19	1864
	20.76000	-0.09000	6/7/19	1864
	21.82000	-0.09000	7/8/19	1864
	24.11000	-0.10000	8/7/19	1864
	25.27000	-0.11000	9/9/19	1864
	22.65000	-0.09000	10/7/19	1864
	20.28000	-0.09000	11/7/19	1864
	20.24000	-0.08000	12/6/19	1864
	21.28000	-0.08000	1/8/20	1864
	23.67000	-0.11000	2/7/20	1864
	23.36000	-0.11000	3/6/20	1864

	22.97000	-0.11000	4/7/20	1864
	21.58000	-0.15000	5/7/20	1864
	21.17000	-0.15000	6/5/20	1864
	22.26000	-0.15000	7/8/20	1864
	24.61000	-0.17000	8/7/20	1864
	25.95000	-0.17000	9/8/20	1864
	23.41000	-0.15000	10/7/20	1864
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	22.14000	-0.14000	1/8/21	1864
	24.32000	-0.15000	2/5/21	1864
	24.02000	-0.15000	3/5/21	1864
	23.64000	-0.15000	4/8/21	1864
	22.28000	-0.15000	5/7/21	1864
	21.87000	-0.15000	6/7/21	1864
	22.98000	-0.15000	7/8/21	1864
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	24.20000	-0.15000	10/7/21	1864
	21.74000	-0.14000	11/5/21	1864
	21.80000	-0.14000	12/7/21	1864
	23.01000	-0.14000	1/7/22	1864
	24.98000	-0.16000	2/7/22	1864
	24.67000	-0.16000	3/7/22	1864
	24.30000	-0.16000	4/7/22	1864
	23.10000	-0.20000	5/6/22	1864

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	26.32000	-0.23000	8/5/22	1864
	27.80000	-0.24000	9/8/22	1864
	25.07000	-0.21000	10/7/22	1864
	22.51000	-0.19000	11/7/22	1864
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	26.55000	0.35000	11/11/16	15878
	26.55000	0.35000	11/14/16	15878
	22.57000	0.30000	11/14/16	15878
	22.57000	0.30000	11/14/16	15878
	26.55000		11/15/16	15878
	26.55000		11/16/16	15878
	26.55000		11/17/16	15878
	1.40000	0.00000	10/26/16	15831
	1.40000	0.00000	11/25/16	15831

	1.40000	0.00000	12/23/16	15831
	1.40000	0.00000	10/26/16	18384
	1.40000	0.00000	11/25/16	18384
	1.40000	0.00000	12/23/16	18384
	1.40000	0.00000	3/28/17	18384
	1.40000	0.00000	6/27/17	18384
	1.40000	0.00000	9/26/17	18384
	1.40000	0.00000	12/22/17	18384
	45.34000	0.17000	10/28/16	19038
	49.50000	3.78000	11/29/16	19038
	48.40000	2.68000	12/30/16	19038
	48.53000	1.02000	1/30/17	19038
	45.05000	0.98000	2/27/17	19038
	43.32000	0.99000	3/30/17	19038
	42.09000	0.99000	4/28/17	19038
	40.85000	0.99000	5/30/17	19038
	39.61000	0.99000	6/29/17	19038
	43.96000	0.99000	7/28/17	19038
	48.30000	0.99000	8/30/17	19038
	52.64000	0.99000	9/29/17	19038
	48.81000	0.99000	10/30/17	19038
	44.98000	0.99000	11/29/17	19038
	41.15000	0.99000	12/29/17	19038
	40.90000	0.99000	1/30/18	19038
	40.64000	0.99000	2/27/18	19038
	40.39000	0.99000	3/29/18	19038

	40.18000	0.99000	4/27/18	19038
	39.97000	0.99000	5/30/18	19038
	39.75000	0.99000	6/29/18	19038
	44.23000	0.99000	7/30/18	19038
	48.70000	0.99000	8/30/18	19038
	53.16000	0.99000	9/28/18	19038
	48.58000	0.99000	10/30/18	19038
	43.99000	0.99000	11/29/18	19038
	42.39000	0.99000	12/28/18	19038
	41.53000	0.99000	1/30/19	19038
	41.03000	0.99000	2/27/19	19038
	40.51000	0.99000	3/29/19	19038
	40.40000	0.99000	4/29/19	19038
	40.33000	0.99000	5/30/19	19038
	40.23000	0.99000	6/28/19	19038
	44.64000	0.99000	7/30/19	19038
	49.07000	0.99000	8/30/19	19038
	53.47000	0.99000	9/27/19	19038
	48.92000	0.99000	10/30/19	19038
	44.01000	0.99000	11/29/19	19038
	42.77000	0.99000	12/30/19	19038
	41.44000	0.99000	1/30/20	19038
	40.75000	0.99000	2/28/20	19038
	40.03000	0.99000	3/30/20	19038
	40.03000	0.99000	4/29/20	19038
	40.04000	0.99000	5/29/20	19038

	40.05000	0.99000	6/29/20	19038
	44.41000	0.99000	7/30/20	19038
	48.78000	0.99000	8/28/20	19038
	53.15000	0.99000	9/29/20	19038
	48.60000	0.99000	10/30/20	19038
	44.02000	0.99000	11/27/20	19038
	42.94000	0.99000	12/30/20	19038
	41.78000	0.99000	1/29/21	19038
	41.01000	0.99000	2/26/21	19038
	40.22000	0.99000	3/30/21	19038
	40.02000	0.99000	4/29/21	19038
	39.85000	0.99000	5/28/21	19038
	39.91000	0.99000	6/29/21	19038
	44.41000	0.99000	7/30/21	19038
	48.87000	0.99000	8/30/21	19038
	38.20000	0.00000	10/4/16	15561
	34.09000	-3.91000	10/5/16	15561
	39.60000	0.05000	10/6/16	15561
	40.85000	1.30000	10/7/16	15561
	40.85000	1.30000	10/10/16	15561
	29.40000	0.00000	10/10/16	15561
	29.40000	0.00000	10/10/16	15561
	29.26000	0.46000	10/11/16	15561
	29.26000	0.46000	10/12/16	15561
	29.26000	0.46000	10/13/16	15561
	29.26000	0.46000	10/14/16	15561

	29.26000	0.46000	10/17/16	15561
	26.78000	0.24000	10/17/16	15561
	26.78000	0.24000	10/17/16	15561
	29.26000	0.46000	10/18/16	15561
	29.26000	0.46000	10/19/16	15561
	29.26000	0.46000	10/20/16	15561
	29.26000	0.46000	10/21/16	15561
	29.26000	0.46000	10/24/16	15561
	26.78000	0.24000	10/24/16	15561
	26.78000	0.24000	10/24/16	15561
	29.26000	0.46000	10/25/16	15561
	29.26000	0.46000	10/26/16	15561
	29.26000	0.46000	10/27/16	15561
	29.26000	0.46000	10/28/16	15561
	29.26000	0.46000	10/31/16	15561
	26.78000	0.24000	10/31/16	15561
	26.78000	0.24000	10/31/16	15561
	29.26000	0.46000	11/1/16	15561
	31.00000	0.35000	11/2/16	15561
	31.00000	0.35000	11/3/16	15561
	31.00000	0.35000	11/4/16	15561
	31.00000	0.35000	11/7/16	15561
	26.35000	0.30000	11/7/16	15561
	26.35000	0.30000	11/7/16	15561
	31.00000	0.35000	11/8/16	15561
	31.00000	0.35000	11/9/16	15561

	31.00000	0.35000	11/10/16	15561
	31.00000	0.35000	11/11/16	15561
	31.00000	0.35000	11/14/16	15561
	26.35000	0.30000	11/14/16	15561
	26.35000	0.30000	11/14/16	15561
	31.00000		11/15/16	15561
	31.00000		11/16/16	15561
	31.00000		11/17/16	15561
	24.64000	0.00000	10/4/16	15562
	20.84000	-5.66000	10/5/16	15562
	26.50000	9.43000	10/6/16	15562
	17.41000	0.34000	10/7/16	15562
	17.41000	0.34000	10/10/16	15562
	22.00000	0.00000	10/10/16	15562
	22.00000	0.00000	10/10/16	15562
	17.41000	0.34000	10/11/16	15562
	17.41000	0.34000	10/12/16	15562
	17.41000	0.34000	10/13/16	15562
	17.41000	0.34000	10/14/16	15562
	17.41000	0.34000	10/17/16	15562
	19.17000	0.23000	10/17/16	15562
	19.17000	0.23000	10/17/16	15562
	17.41000	0.34000	10/18/16	15562
	17.41000	0.34000	10/19/16	15562
	17.41000	0.34000	10/20/16	15562
	17.41000	0.34000	10/21/16	15562

	17.41000	0.34000	10/24/16	15562
	19.17000	0.23000	10/24/16	15562
	19.17000	0.23000	10/24/16	15562
	17.41000	0.34000	10/25/16	15562
	17.41000	0.34000	10/26/16	15562
	17.41000	0.34000	10/27/16	15562
	17.41000	0.34000	10/28/16	15562
	17.41000	0.34000	10/31/16	15562
	19.17000	0.23000	10/31/16	15562
	19.17000	0.23000	10/31/16	15562
	17.41000	0.34000	11/1/16	15562
	17.91000	-0.06000	11/2/16	15562
	17.91000	-0.06000	11/3/16	15562
	17.91000	-0.06000	11/4/16	15562
	17.91000	-0.06000	11/7/16	15562
	20.47000	0.09000	11/7/16	15562
	20.47000	0.09000	11/7/16	15562
	17.91000		11/8/16	15562
	17.91000		11/9/16	15562
	17.91000		11/10/16	15562
	35.55000	0.00000	10/5/16	288
	35.16000	-0.04000	11/3/16	288
	34.95000	0.20000	12/5/16	288
	40.60000	-0.05000	1/5/17	288
	40.40000	-0.30000	2/3/17	288
	38.05000	-0.25000	3/3/17	288

	31.75000	0.00000	4/5/17	288
	26.70000	0.60000	5/3/17	288
	27.75000	0.65000	6/5/17	288
	31.50000	0.45000	7/6/17	288
	36.30000	0.25000	8/3/17	288
	37.70000	0.20000	9/6/17	288
	37.10000	0.30000	10/4/17	288
	35.65000	0.35000	11/3/17	288
	35.80000	0.30000	12/5/17	288
	37.30000	0.25000	1/4/18	288
	35.90000	0.00000	2/5/18	288
	35.70000	0.00000	3/5/18	288
	34.80000	0.00000	4/4/18	288
	25.85000	0.00000	5/3/18	288
	25.25000	0.00000	6/5/18	288
	27.60000	0.00000	7/5/18	288
	34.50000	0.00000	8/3/18	288
	35.60000	0.00000	9/6/18	288
	35.65000	0.00000	10/3/18	288
	35.30000	0.00000	11/5/18	288
	35.30000	0.00000	12/5/18	288
	35.45000	0.00000	1/4/19	288
	34.90000	0.00000	2/5/19	288
	34.55000	0.00000	3/5/19	288
	33.80000	0.00000	4/3/19	288
	27.10000	0.00000	5/3/19	288

	26.75000	0.00000	6/5/19	288
	27.15000	0.00000	7/3/19	288
	35.95000	0.00000	8/5/19	288
	35.60000	0.00000	9/5/19	288
	35.90000	0.00000	10/3/19	288
	35.15000	0.00000	11/5/19	288
	35.15000	0.00000	12/4/19	288
	35.40000	0.00000	1/6/20	288
	35.85000	0.00000	2/5/20	288
	35.45000	0.00000	3/4/20	288
	34.70000	0.00000	4/3/20	288
	27.90000	0.00000	5/5/20	288
	27.50000	0.00000	6/3/20	288
	27.95000	0.00000	7/6/20	288
	36.90000	0.00000	8/5/20	288
	36.55000	0.00000	9/3/20	288
	36.85000	0.00000	10/5/20	288
	36.05000	0.00000	11/4/20	288
	36.00000	0.00000	12/3/20	288
	36.30000	0.00000	1/6/21	288
	37.30000	0.00000	2/3/21	288
	36.85000	0.00000	3/3/21	288
	36.05000	0.00000	4/6/21	288
	28.95000	0.00000	5/5/21	288
	28.55000	0.00000	6/3/21	288
	29.00000	0.00000	7/6/21	288

	38.40000	0.00000	8/4/21	288
	37.95000	0.00000	9/3/21	288
	38.30000	0.00000	10/5/21	288
	37.40000	0.00000	11/3/21	288
	37.40000	0.00000	12/3/21	288
	37.75000	0.00000	1/5/22	288
	38.55000	0.00000	2/3/22	288
	38.10000	0.00000	3/3/22	288
	37.30000	0.00000	4/5/22	288
	29.95000	0.00000	5/4/22	288
	29.55000	0.00000	6/3/22	288
	30.00000	0.00000	7/6/22	288
	39.65000	0.00000	8/3/22	288
	39.30000	0.00000	9/6/22	288
	39.55000	0.00000	10/5/22	288
	38.70000	0.00000	11/3/22	288
	38.70000	0.00000	12/5/22	288
	39.05000	0.00000	1/5/23	288
	40.05000	0.00000	2/3/23	288
	39.50000	0.00000	3/3/23	288
	38.65000	0.00000	4/5/23	288
	31.00000	0.00000	5/3/23	288
	30.60000	0.00000	6/5/23	288
	31.05000	0.00000	7/6/23	288
	41.10000	0.00000	8/3/23	288
	40.70000	0.00000	9/6/23	288

	41.05000	0.00000	10/4/23	288
	40.10000	0.00000	11/3/23	288
	40.10000	0.00000	12/5/23	288
	40.45000	0.00000	1/4/24	288
	40.90000	0.00000	2/5/24	288
	40.60000	0.00000	3/5/24	288
	39.75000	0.00000	4/3/24	288
	31.90000	0.00000	5/3/24	288
	31.45000	0.00000	6/5/24	288
	31.90000	0.00000	7/3/24	288
	42.30000	0.00000	8/5/24	288
	41.85000	0.00000	9/5/24	288
	42.20000	0.00000	10/3/24	288
	41.20000	0.00000	11/5/24	288
	41.20000	0.00000	12/4/24	288
	41.60000	0.00000	1/6/25	288
	42.25000	0.00000	2/5/25	288
	41.70000	0.00000	3/5/25	288
	40.85000	0.00000	4/3/25	288
	32.75000	0.00000	5/5/25	288
	32.30000	0.00000	6/4/25	288
	32.80000	0.00000	7/3/25	288
	43.40000	0.00000	8/5/25	288
	43.00000	0.00000	9/4/25	288
	43.35000	0.00000	10/3/25	288
	42.35000	0.00000	11/5/25	288

	42.35000	0.00000	12/3/25	288
	42.75000	0.00000	1/6/26	288
	45.10000	0.00000	2/4/26	288
	44.60000	0.00000	3/4/26	288
	43.70000	0.00000	4/6/26	288
	35.05000	0.00000	5/5/26	288
	34.55000	0.00000	6/3/26	288
	35.10000	0.00000	7/6/26	288
	46.45000	0.00000	8/5/26	288
	46.05000	0.00000	9/3/26	288
	46.40000	0.00000	10/5/26	288
	45.35000	0.00000	11/4/26	288
	45.35000	0.00000	12/3/26	288
	45.70000	0.00000	1/6/27	288
	35.97000	0.00000	10/4/16	19131
	30.22000	0.00000	10/5/16	19131
	25.53000	0.00000	10/6/16	19131
	21.35000	0.00000	10/6/16	19131
	21.18000	0.00000	10/6/16	19131
	18.98000	-20.02000	10/7/16	19131
	39.00000	1.50000	10/10/16	19131
	39.10000	15.45000	10/11/16	19131
	23.70000	0.05000	10/12/16	19131
	23.70000	0.05000	10/13/16	19131
	29.10000	0.00000	10/13/16	19131
	29.10000	0.00000	10/13/16	19131

	23.70000	0.05000	10/14/16	19131
	23.70000	0.05000	10/17/16	19131
	23.70000	0.05000	10/18/16	19131
	23.70000	0.05000	10/19/16	19131
	23.70000	0.05000	10/20/16	19131
	21.20000	-0.08000	10/20/16	19131
	21.20000	-0.08000	10/20/16	19131
	23.70000	0.05000	10/21/16	19131
	23.70000	0.05000	10/24/16	19131
	23.70000	0.05000	10/25/16	19131
	23.70000	0.05000	10/26/16	19131
	23.70000	0.05000	10/27/16	19131
	21.20000	-0.08000	10/27/16	19131
	21.20000	-0.08000	10/27/16	19131
	23.70000	0.05000	10/28/16	19131
	23.70000	0.05000	10/31/16	19131
	23.70000	0.05000	11/1/16	19131
	23.70000	0.05000	11/2/16	19131
	23.70000	0.05000	11/3/16	19131
	21.20000	-0.08000	11/3/16	19131
	21.20000	-0.08000	11/3/16	19131
	23.70000	0.05000	11/4/16	19131
	26.55000	0.35000	11/7/16	19131
	26.55000	0.35000	11/8/16	19131
	26.55000	0.35000	11/9/16	19131
	26.55000	0.35000	11/10/16	19131

	22.57000	0.30000	11/10/16	19131
	22.57000	0.30000	11/10/16	19131
	26.55000	0.35000	11/11/16	19131
	26.55000	0.35000	11/14/16	19131
	26.55000	0.35000	11/15/16	19131
	26.55000	0.35000	11/16/16	19131
	26.55000		11/17/16	19131
	14.38000	0.00000	10/4/16	19132
	15.86000	0.00000	10/5/16	19132
	14.76000	0.00000	10/6/16	19132
	17.19000	0.00000	10/6/16	19132
	12.41000	0.00000	10/6/16	19132
	8.16000	-11.44000	10/7/16	19132
	21.50000	0.00000	10/10/16	19132
	21.50000	12.03000	10/11/16	19132
	9.93000	0.46000	10/12/16	19132
	9.93000	0.46000	10/13/16	19132
	25.00000	0.00000	10/13/16	19132
	25.00000	0.00000	10/13/16	19132
	9.93000	0.46000	10/14/16	19132
	9.93000	0.46000	10/17/16	19132
	9.93000	0.46000	10/18/16	19132
	9.93000	0.46000	10/19/16	19132
	9.93000	0.46000	10/20/16	19132
	14.17000	0.14000	10/20/16	19132
	14.17000	0.14000	10/20/16	19132

	9.93000	0.46000	10/21/16	19132
	9.93000	0.46000	10/24/16	19132
	9.93000	0.46000	10/25/16	19132
	9.93000	0.46000	10/26/16	19132
	9.93000	0.46000	10/27/16	19132
	14.17000	0.14000	10/27/16	19132
	14.17000	0.14000	10/27/16	19132
	9.93000	0.46000	10/28/16	19132
	9.93000	0.46000	10/31/16	19132
	9.93000	0.46000	11/1/16	19132
	9.93000	0.46000	11/2/16	19132
	9.93000	0.46000	11/3/16	19132
	14.17000	0.14000	11/3/16	19132
	14.17000	0.14000	11/3/16	19132
	9.93000	0.46000	11/4/16	19132
	11.51000	-0.06000	11/7/16	19132
	11.51000	-0.06000	11/8/16	19132
	11.51000	-0.06000	11/9/16	19132
	11.51000	-0.06000	11/10/16	19132
	13.64000	0.08000	11/10/16	19132
	13.64000	0.08000	11/10/16	19132
	11.51000	-0.06000	11/11/16	19132
	11.51000	-0.06000	11/14/16	19132
	11.51000	-0.06000	11/15/16	19132
	11.51000	-0.06000	11/16/16	19132
	11.51000		11/17/16	19132

	35.55000	0.00000	10/5/16	1850
	35.16000	-0.04000	11/3/16	1850
	34.95000	0.20000	12/5/16	1850
	40.60000	-0.05000	1/5/17	1850
	40.40000	-0.30000	2/3/17	1850
	38.05000	-0.25000	3/3/17	1850
	31.75000	0.00000	4/5/17	1850
	26.70000	0.60000	5/3/17	1850
	27.75000	0.65000	6/5/17	1850
	31.50000	0.45000	7/6/17	1850
	36.30000	0.25000	8/3/17	1850
	37.70000	0.20000	9/6/17	1850
	37.10000	0.30000	10/4/17	1850
	35.65000	0.35000	11/3/17	1850
	35.80000	0.30000	12/5/17	1850
	37.30000	0.25000	1/4/18	1850
	35.90000	0.00000	2/5/18	1850
	35.70000	0.00000	3/5/18	1850
	34.80000	0.00000	4/4/18	1850
	25.85000	0.00000	5/3/18	1850
	25.25000	0.00000	6/5/18	1850
	27.60000	0.00000	7/5/18	1850
	34.50000	0.00000	8/3/18	1850
	35.60000	0.00000	9/6/18	1850
	35.65000	0.00000	10/3/18	1850
	35.30000	0.00000	11/5/18	1850

	35.30000	0.00000	12/5/18	1850
	35.45000	0.00000	1/4/19	1850
	34.90000	0.00000	2/5/19	1850
	34.55000	0.00000	3/5/19	1850
	33.80000	0.00000	4/3/19	1850
	27.10000	0.00000	5/3/19	1850
	26.75000	0.00000	6/5/19	1850
	27.15000	0.00000	7/3/19	1850
	35.95000	0.00000	8/5/19	1850
	35.60000	0.00000	9/5/19	1850
	35.90000	0.00000	10/3/19	1850
	35.15000	0.00000	11/5/19	1850
	35.15000	0.00000	12/4/19	1850
	35.40000	0.00000	1/6/20	1850
	35.85000	0.00000	2/5/20	1850
	35.45000	0.00000	3/4/20	1850
	34.70000	0.00000	4/3/20	1850
	27.90000	0.00000	5/5/20	1850
	27.50000	0.00000	6/3/20	1850
	27.95000	0.00000	7/6/20	1850
	36.90000	0.00000	8/5/20	1850
	36.55000	0.00000	9/3/20	1850
	36.85000	0.00000	10/5/20	1850
	36.05000	0.00000	11/4/20	1850
	36.00000	0.00000	12/3/20	1850
	36.30000	0.00000	1/6/21	1850

	37.30000	0.00000	2/3/21	1850
	36.85000	0.00000	3/3/21	1850
	36.05000	0.00000	4/6/21	1850
	28.95000	0.00000	5/5/21	1850
	28.55000	0.00000	6/3/21	1850
	29.00000	0.00000	7/6/21	1850
	38.40000	0.00000	8/4/21	1850
	37.95000	0.00000	9/3/21	1850
	38.30000	0.00000	10/5/21	1850
	37.40000	0.00000	11/3/21	1850
	37.40000	0.00000	12/3/21	1850
	37.75000	0.00000	1/5/22	1850
	38.55000	0.00000	2/3/22	1850
	38.10000	0.00000	3/3/22	1850
	37.30000	0.00000	4/5/22	1850
	29.95000	0.00000	5/4/22	1850
	29.55000	0.00000	6/3/22	1850
	30.00000	0.00000	7/6/22	1850
	39.65000	0.00000	8/3/22	1850
	39.30000	0.00000	9/6/22	1850
	39.55000	0.00000	10/5/22	1850
	38.70000	0.00000	11/3/22	1850
	38.70000	0.00000	12/5/22	1850
	39.05000	0.00000	1/5/23	1850
	40.05000	0.00000	2/3/23	1850
	39.50000	0.00000	3/3/23	1850

	38.65000	0.00000	4/5/23	1850
	31.00000	0.00000	5/3/23	1850
	30.60000	0.00000	6/5/23	1850
	31.05000	0.00000	7/6/23	1850
	41.10000	0.00000	8/3/23	1850
	40.70000	0.00000	9/6/23	1850
	41.05000	0.00000	10/4/23	1850
	40.10000	0.00000	11/3/23	1850
	40.10000	0.00000	12/5/23	1850
	40.45000	0.00000	1/4/24	1850
	40.90000	0.00000	2/5/24	1850
	40.60000	0.00000	3/5/24	1850
	39.75000	0.00000	4/3/24	1850
	31.90000	0.00000	5/3/24	1850
	31.45000	0.00000	6/5/24	1850
	31.90000	0.00000	7/3/24	1850
	42.30000	0.00000	8/5/24	1850
	41.85000	0.00000	9/5/24	1850
	42.20000	0.00000	10/3/24	1850
	41.20000	0.00000	11/5/24	1850
	41.20000	0.00000	12/4/24	1850
	41.60000	0.00000	1/6/25	1850
	42.25000	0.00000	2/5/25	1850
	41.70000	0.00000	3/5/25	1850
	40.85000	0.00000	4/3/25	1850
	32.75000	0.00000	5/5/25	1850

	32.30000	0.00000	6/4/25	1850
	32.80000	0.00000	7/3/25	1850
	43.40000	0.00000	8/5/25	1850
	43.00000	0.00000	9/4/25	1850
	43.35000	0.00000	10/3/25	1850
	42.35000	0.00000	11/5/25	1850
	42.35000	0.00000	12/3/25	1850
	42.75000	0.00000	1/6/26	1850
	45.10000	0.00000	2/4/26	1850
	44.60000	0.00000	3/4/26	1850
	43.70000	0.00000	4/6/26	1850
	35.05000	0.00000	5/5/26	1850
	34.55000	0.00000	6/3/26	1850
	35.10000	0.00000	7/6/26	1850
	46.45000	0.00000	8/5/26	1850
	46.05000	0.00000	9/3/26	1850
	46.40000	0.00000	10/5/26	1850
	45.35000	0.00000	11/4/26	1850
	45.35000	0.00000	12/3/26	1850
	45.70000	0.00000	1/6/27	1850
	30.56000	0.00000	10/4/16	748
	28.43000	0.00000	10/5/16	748
	26.34000	0.00000	10/6/16	748
	28.35000	0.00000	10/6/16	748
	28.21000	0.00000	10/6/16	748
	26.54000	0.00000	10/7/16	748

	28.50000	0.75000	10/10/16	748
	28.25000	-1.25000	10/11/16	748
	29.24000	-0.26000	10/12/16	748
	29.24000	-0.26000	10/13/16	748
	29.24000	-0.26000	10/13/16	748
	29.24000	-0.26000	10/13/16	748
	29.24000	-0.26000	10/14/16	748
	29.24000	-0.26000	10/17/16	748
	29.24000	-0.26000	10/18/16	748
	29.24000	-0.26000	10/19/16	748
	29.24000	-0.26000	10/20/16	748
	29.24000	-0.26000	10/20/16	748
	29.24000	-0.26000	10/20/16	748
	29.24000	-0.26000	10/21/16	748
	29.24000	-0.26000	10/24/16	748
	29.24000	-0.26000	10/25/16	748
	29.24000	-0.26000	10/26/16	748
	29.24000	-0.26000	10/27/16	748
	29.24000	-0.26000	10/27/16	748
	29.24000	-0.26000	10/27/16	748
	29.24000	-0.26000	10/28/16	748
	29.24000	-0.26000	10/31/16	748
	29.24000	-0.26000	11/1/16	748
	29.24000	-0.26000	11/2/16	748
	29.24000	-0.26000	11/3/16	748
	29.24000	-0.26000	11/3/16	748

	29.24000	-0.26000	11/3/16	748
	29.24000	-0.26000	11/4/16	748
	30.60000	0.20000	11/7/16	748
	30.60000	0.20000	11/8/16	748
	30.60000	0.20000	11/9/16	748
	30.60000	0.20000	11/10/16	748
	30.60000	0.20000	11/10/16	748
	30.60000	0.20000	11/10/16	748
	30.60000	0.20000	11/11/16	748
	30.60000	0.20000	11/14/16	748
	30.60000	0.20000	11/15/16	748
	30.60000	0.20000	11/16/16	748
	30.60000	0.20000	11/17/16	748
	30.60000	0.20000	11/17/16	748
	30.60000	0.20000	11/17/16	748
	30.60000	0.20000	11/18/16	748
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	30.60000	0.20000	11/22/16	748
	30.60000	0.20000	11/23/16	748
	30.60000	0.20000	11/28/16	748
	30.60000	0.20000	11/28/16	748
	30.60000	0.20000	11/28/16	748
	30.60000	0.20000	11/29/16	748
	30.60000	0.20000	11/30/16	748
	30.60000	0.20000	12/1/16	748
	30.60000	0.20000	12/1/16	748

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	30.60000	0.20000	12/1/16	748
	30.60000	0.20000	12/1/16	748
	30.60000	0.20000	12/2/16	748
	30.60000	0.20000	12/5/16	748
	30.60000	0.20000	12/6/16	748
	34.90000	-0.35000	12/7/16	748
	34.90000	-0.35000	12/8/16	748
	34.90000	-0.35000	12/8/16	748
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	34.90000	-0.35000	12/9/16	748
	34.90000	-0.35000	12/12/16	748
	34.90000	-0.35000	12/13/16	748
	34.90000	-0.35000	12/14/16	748
	34.90000	-0.35000	12/15/16	748
	34.90000	-0.35000	12/15/16	748
	34.90000		12/15/16	748
	30.36000	0.00000	10/4/16	1687
	28.35000	0.00000	10/5/16	1687
	27.56000	0.00000	10/6/16	1687
	18.16000	0.00000	10/7/16	1687
	24.68000	0.00000	10/10/16	1687
	31.19000	0.00000	10/10/16	1687
	27.99000	0.00000	10/10/16	1687
	26.63000	-0.37000	10/11/16	1687
	27.75000	0.00000	10/12/16	1687

	28.25000	-1.25000	10/13/16	1687
	29.60000	0.10000	10/14/16	1687
	29.60000	0.10000	10/17/16	1687
	29.60000	0.10000	10/17/16	1687
	29.60000	0.10000	10/17/16	1687
	29.60000	0.10000	10/18/16	1687
	29.60000	0.10000	10/19/16	1687
	29.60000	0.10000	10/20/16	1687
	29.60000	0.10000	10/21/16	1687
	29.60000	0.10000	10/24/16	1687
	29.60000	0.10000	10/24/16	1687
	29.60000	0.10000	10/24/16	1687
	29.60000	0.10000	10/25/16	1687
	29.60000	0.10000	10/26/16	1687
	29.60000	0.10000	10/27/16	1687
	29.60000	0.10000	10/28/16	1687
	29.60000	0.10000	10/31/16	1687
	29.60000	0.10000	10/31/16	1687
	29.60000	0.10000	10/31/16	1687
	29.60000	0.10000	11/1/16	1687
	29.60000	0.10000	11/2/16	1687
	29.60000	0.10000	11/3/16	1687
	29.60000	0.10000	11/4/16	1687
	29.60000	0.10000	11/7/16	1687
	29.60000	0.10000	11/7/16	1687
	29.60000	0.10000	11/7/16	1687

	29.60000	0.10000	11/8/16	1687
	30.60000	0.20000	11/9/16	1687
	30.60000	0.20000	11/10/16	1687
	30.60000	0.20000	11/11/16	1687
	30.60000	0.20000	11/14/16	1687
	30.60000	0.20000	11/14/16	1687
	30.60000	0.20000	11/14/16	1687
	30.60000	0.20000	11/15/16	1687
	30.60000	0.20000	11/16/16	1687
	30.60000	0.20000	11/17/16	1687
	30.60000	0.20000	11/18/16	1687
	30.60000	0.20000	11/21/16	1687
	30.60000	0.20000	11/21/16	1687
	30.60000	0.20000	11/21/16	1687
	30.60000	0.20000	11/22/16	1687
	30.60000	0.20000	11/23/16	1687
	30.60000	0.20000	11/28/16	1687
	30.60000	0.20000	11/29/16	1687
	30.60000	0.20000	11/30/16	1687
	30.60000	0.20000	11/30/16	1687
	30.60000	0.20000	11/30/16	1687
	30.60000	0.20000	12/1/16	1687
	30.60000	0.20000	12/2/16	1687
	30.60000	0.20000	12/5/16	1687
	30.60000	0.20000	12/5/16	1687
	30.60000	0.20000	12/5/16	1687

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	30.60000	0.20000	12/5/16	1687
	30.60000	0.20000	12/6/16	1687
	30.60000	0.20000	12/7/16	1687
	30.60000	0.20000	12/8/16	1687
	34.90000	-0.35000	12/9/16	1687
	34.90000	-0.35000	12/12/16	1687
	34.90000	-0.35000	12/12/16	1687
	34.90000	-0.35000	12/12/16	1687
	34.90000	-0.35000	12/13/16	1687
	34.90000	-0.35000	12/14/16	1687
	34.90000		12/15/16	1687
	34.90000		12/16/16	1687
	34.90000		12/19/16	1687
	98.27000	0.00000	10/4/16	1685
	48.32000	0.00000	10/5/16	1685
	37.03000	0.00000	10/6/16	1685
	50.84000	0.00000	10/7/16	1685
	36.49000	0.00000	10/10/16	1685
	57.53000	0.00000	10/10/16	1685
	26.78000	0.00000	10/10/16	1685
	39.41000	-8.59000	10/11/16	1685
	48.00000	0.00000	10/12/16	1685
	43.55000	7.95000	10/13/16	1685
	35.75000	0.15000	10/14/16	1685
	35.75000	0.15000	10/17/16	1685

	35.75000	0.15000	10/17/16	1685
	29.60000	0.10000	10/17/16	1685
	35.75000	0.15000	10/18/16	1685
	35.75000	0.15000	10/19/16	1685
	35.75000	0.15000	10/20/16	1685
	35.75000	0.15000	10/21/16	1685
	35.75000	0.15000	10/24/16	1685
	35.75000	0.15000	10/24/16	1685
	29.60000	0.10000	10/24/16	1685
	35.75000	0.15000	10/25/16	1685
	35.75000	0.15000	10/26/16	1685
	35.75000	0.15000	10/27/16	1685
	35.75000	0.15000	10/28/16	1685
	35.75000	0.15000	10/31/16	1685
	35.75000	0.15000	10/31/16	1685
	29.60000	0.10000	10/31/16	1685
	35.75000	0.15000	11/1/16	1685
	35.75000	0.15000	11/2/16	1685
	35.75000	0.15000	11/3/16	1685
	35.75000	0.15000	11/4/16	1685
	35.75000	0.15000	11/7/16	1685
	35.75000	0.15000	11/7/16	1685
	29.60000	0.10000	11/7/16	1685
	35.75000	0.15000	11/8/16	1685
	34.95000	0.20000	11/9/16	1685
	34.95000	0.20000	11/10/16	1685

	34.95000	0.20000	11/11/16	1685
	34.95000	0.20000	11/14/16	1685
	34.95000	0.20000	11/14/16	1685
	30.60000	0.20000	11/14/16	1685
	34.95000	0.20000	11/15/16	1685
	34.95000	0.20000	11/16/16	1685
	34.95000	0.20000	11/17/16	1685
	34.95000	0.20000	11/18/16	1685
	34.95000	0.20000	11/21/16	1685
	34.95000	0.20000	11/21/16	1685
	30.60000	0.20000	11/21/16	1685
	34.95000	0.20000	11/22/16	1685
	34.95000	0.20000	11/23/16	1685
	34.95000	0.20000	11/28/16	1685
	34.95000	0.20000	11/29/16	1685
	34.95000	0.20000	11/30/16	1685
	34.95000	0.20000	11/30/16	1685
	30.60000	0.20000	11/30/16	1685
	34.95000	0.20000	12/1/16	1685
	34.95000	0.20000	12/2/16	1685
	34.95000	0.20000	12/5/16	1685
	30.60000	0.20000	12/5/16	1685
	34.95000	0.20000	12/5/16	1685
	34.95000	0.20000	12/5/16	1685
	30.60000	0.20000	12/5/16	1685
	34.95000	0.20000	12/6/16	1685

	34.95000	0.20000	12/7/16	1685
	34.95000	0.20000	12/8/16	1685
	40.60000	-0.05000	12/9/16	1685
	40.60000	-0.05000	12/12/16	1685
	40.60000	-0.05000	12/12/16	1685
	34.90000	-0.35000	12/12/16	1685
	40.60000	-0.05000	12/13/16	1685
	40.60000	-0.05000	12/14/16	1685
	40.60000		12/15/16	1685
	40.60000		12/16/16	1685
	40.60000		12/19/16	1685
	17.78000	0.00000	10/4/16	15881
	19.64000	0.00000	10/5/16	15881
	20.04000	0.00000	10/6/16	15881
	19.53000	0.00000	10/6/16	15881
	19.23000	0.00000	10/6/16	15881
	20.94000	-4.66000	10/7/16	15881
	27.50000	0.00000	10/10/16	15881
	27.50000	9.91000	10/11/16	15881
	18.23000	0.64000	10/12/16	15881
	18.23000	0.64000	10/13/16	15881
	17.00000	0.00000	10/13/16	15881
	17.00000	0.00000	10/13/16	15881
	18.23000	0.64000	10/14/16	15881
	18.23000	0.64000	10/17/16	15881
	18.23000	0.64000	10/18/16	15881

	18.23000	0.64000	10/19/16	15881
	18.23000	0.64000	10/20/16	15881
	18.88000	0.27000	10/20/16	15881
	18.88000	0.27000	10/20/16	15881
	18.23000	0.64000	10/21/16	15881
	18.23000	0.64000	10/24/16	15881
	18.23000	0.64000	10/25/16	15881
	18.23000	0.64000	10/26/16	15881
	18.23000	0.64000	10/27/16	15881
	18.88000	0.27000	10/27/16	15881
	18.88000	0.27000	10/27/16	15881
	18.23000	0.64000	10/28/16	15881
	18.23000	0.64000	10/31/16	15881
	18.23000	0.64000	11/1/16	15881
	18.23000	0.64000	11/2/16	15881
	18.23000	0.64000	11/3/16	15881
	18.88000	0.27000	11/3/16	15881
	18.88000	0.27000	11/3/16	15881
	18.23000	0.64000	11/4/16	15881
	17.91000	-0.06000	11/7/16	15881
	17.91000	-0.06000	11/8/16	15881
	17.91000	-0.06000	11/9/16	15881
	17.91000		11/10/16	15881
	41.03000	0.00000	10/4/16	15880
	31.36000	0.00000	10/5/16	15880
	29.01000	0.00000	10/6/16	15880

	25.24000	0.00000	10/6/16	15880
	28.13000	0.00000	10/6/16	15880
	23.26000	-14.74000	10/7/16	15880
	38.00000	-0.50000	10/10/16	15880
	40.10000	9.60000	10/11/16	15880
	30.55000	0.05000	10/12/16	15880
	30.55000	0.05000	10/13/16	15880
	29.90000	0.00000	10/13/16	15880
	29.90000	0.00000	10/13/16	15880
	30.55000	0.05000	10/14/16	15880
	30.55000	0.05000	10/17/16	15880
	30.55000	0.05000	10/18/16	15880
	30.55000	0.05000	10/19/16	15880
	30.55000	0.05000	10/20/16	15880
	26.36000	-0.19000	10/20/16	15880
	26.36000	-0.19000	10/20/16	15880
	30.55000	0.05000	10/21/16	15880
	30.55000	0.05000	10/24/16	15880
	30.55000	0.05000	10/25/16	15880
	30.55000	0.05000	10/26/16	15880
	30.55000	0.05000	10/27/16	15880
	26.36000	-0.19000	10/27/16	15880
	26.36000	-0.19000	10/27/16	15880
	30.55000	0.05000	10/28/16	15880
	30.55000	0.05000	10/31/16	15880
	30.55000	0.05000	11/1/16	15880

	30.55000	0.05000	11/2/16	15880
	30.55000	0.05000	11/3/16	15880
	26.36000	-0.19000	11/3/16	15880
	26.36000	-0.19000	11/3/16	15880
	30.55000	0.05000	11/4/16	15880
	31.00000	0.35000	11/7/16	15880
	31.00000	0.35000	11/8/16	15880
	31.00000	0.35000	11/9/16	15880
	31.00000	0.35000	11/10/16	15880
	26.35000	0.30000	11/10/16	15880
	26.35000	0.30000	11/10/16	15880
	31.00000	0.35000	11/11/16	15880
	31.00000	0.35000	11/14/16	15880
	31.00000	0.35000	11/15/16	15880
	31.00000	0.35000	11/16/16	15880
	31.00000		11/17/16	15880
	4.00000	0.00000	10/26/16	15832
	4.00000	0.00000	11/25/16	15832
	4.00000	0.00000	12/23/16	15832
	4.00000	0.00000	10/26/16	18385
	4.00000	0.00000	11/25/16	18385
	4.00000	0.00000	12/23/16	18385
	4.00000	0.00000	3/28/17	18385
	4.00000	0.00000	6/27/17	18385
	4.00000	0.00000	9/26/17	18385
	4.00000	0.00000	12/22/17	18385

	61.20000	2.05000	10/28/16	2866
	60.45000	1.55000	11/25/16	2866
	59.30000	1.10000	12/30/16	2866
	57.35000	2.10000	1/27/17	2866
	58.15000	0.65000	2/24/17	2866
	56.45000	-0.80000	3/31/17	2866
	56.75000	0.40000	4/28/17	2866
	56.25000	0.40000	5/26/17	2866
	55.75000	0.40000	6/30/17	2866
	54.95000	0.20000	7/28/17	2866
	54.95000	0.20000	8/25/17	2866
	54.95000	0.20000	9/29/17	2866
	53.00000	-0.35000	10/27/17	2866
	53.00000	-0.35000	11/24/17	2866
	53.00000	-0.35000	12/29/17	2866
	54.55000	-0.50000	1/26/18	2866
	54.55000	-0.50000	2/23/18	2866
	54.55000	-0.50000	3/29/18	2866
	54.45000	-0.50000	4/27/18	2866
	54.45000	-0.50000	5/25/18	2866
	54.45000	-0.50000	6/29/18	2866
	54.50000	-0.50000	7/27/18	2866
	54.50000	-0.50000	8/31/18	2866
	54.50000	-0.50000	9/28/18	2866
	54.50000	-0.50000	10/26/18	2866
	54.50000	-0.50000	11/30/18	2866

	54.50000	-0.50000	12/28/18	2866
	54.05000	-0.10000	1/25/19	2866
	54.05000	-0.10000	2/22/19	2866
	54.05000	-0.10000	3/29/19	2866
	54.05000	-0.10000	4/26/19	2866
	54.05000	-0.10000	5/31/19	2866
	54.05000	-0.10000	6/28/19	2866
	54.05000	-0.10000	7/26/19	2866
	54.05000	-0.10000	8/30/19	2866
	54.05000	-0.10000	9/27/19	2866
	54.05000	-0.10000	10/25/19	2866
	54.05000	-0.10000	11/29/19	2866
	54.05000	-0.10000	12/27/19	2866
	53.85000	-0.10000	1/31/20	2866
	53.85000	-0.10000	2/28/20	2866
	53.85000	-0.10000	3/27/20	2866
	53.85000	-0.10000	4/24/20	2866
	53.85000	-0.10000	5/29/20	2866
	53.85000	-0.10000	6/26/20	2866
	53.85000	-0.10000	7/31/20	2866
	53.85000	-0.10000	8/28/20	2866
	53.85000	-0.10000	9/25/20	2866
	53.85000	-0.10000	10/30/20	2866
	53.85000	-0.10000	11/27/20	2866
	53.85000	-0.10000	12/24/20	2866
	54.05000	-0.10000	1/29/21	2866

	54.05000	-0.10000	2/26/21	2866
	54.05000	-0.10000	3/26/21	2866
	54.05000	-0.10000	4/30/21	2866
	54.05000	-0.10000	5/28/21	2866
	54.05000	-0.10000	6/25/21	2866
	54.05000	-0.10000	7/30/21	2866
	54.05000	-0.10000	8/27/21	2866
	54.05000	-0.10000	9/24/21	2866
	54.05000	-0.10000	10/29/21	2866
	54.05000	-0.10000	11/26/21	2866
	54.05000	-0.10000	12/31/21	2866
	27.70000	0.00000	10/4/16	2624
	31.44000	0.00000	10/5/16	2624
	41.55000	0.00000	10/6/16	2624
	28.03000	0.00000	10/7/16	2624
	27.59000	0.00000	10/10/16	2624
	27.30000	0.00000	10/10/16	2624
	27.65000	0.00000	10/10/16	2624
	35.39000	0.00000	10/11/16	2624
	45.17000	0.00000	10/12/16	2624
	71.59000	43.70000	10/13/16	2624
	28.74000	0.85000	10/14/16	2624
	28.74000	0.85000	10/17/16	2624
	23.44000	0.68000	10/17/16	2624
	23.44000	0.68000	10/17/16	2624
	28.74000	0.85000	10/18/16	2624

	28.74000	0.85000	10/19/16	2624
	28.74000	0.85000	10/20/16	2624
	28.74000	0.85000	10/21/16	2624
	28.74000	0.85000	10/24/16	2624
	23.44000	0.68000	10/24/16	2624
	23.44000	0.68000	10/24/16	2624
	28.74000	0.85000	10/25/16	2624
	28.74000	0.85000	10/26/16	2624
	28.74000	0.85000	10/27/16	2624
	28.74000	0.85000	10/28/16	2624
	28.74000	0.85000	10/31/16	2624
	23.44000	0.68000	10/31/16	2624
	23.44000	0.68000	10/31/16	2624
	28.74000	0.85000	11/1/16	2624
	28.74000	0.85000	11/2/16	2624
	28.74000	0.85000	11/3/16	2624
	28.74000	0.85000	11/4/16	2624
	28.74000	0.85000	11/7/16	2624
	23.44000	0.68000	11/7/16	2624
	23.44000	0.68000	11/7/16	2624
	28.74000	0.85000	11/8/16	2624
	29.95000	0.45000	11/9/16	2624
	29.95000	0.45000	11/10/16	2624
	29.95000	0.45000	11/11/16	2624
	29.95000	0.45000	11/14/16	2624
	23.40000	0.38000	11/14/16	2624

	23.40000	0.38000	11/14/16	2624
	29.95000		11/15/16	2624
	29.95000		11/16/16	2624
	29.95000		11/17/16	2624
	35.32000	0.00000	10/7/16	2608
	31.88000	2.81000	11/7/16	2608
	29.95000	0.45000	12/7/16	2608
	31.53000	0.14000	1/9/17	2608
	31.37000	0.10000	2/7/17	2608
	31.50000	0.09000	3/7/17	2608
	32.73000	0.08000	4/7/17	2608
	32.10000	0.03000	5/5/17	2608
	31.28000	0.02000	6/7/17	2608
	36.07000	0.01000	7/10/17	2608
	46.75000	0.00000	8/7/17	2608
	61.02000	-0.02000	9/8/17	2608
	33.90000	0.15000	10/6/17	2608
	30.07000	-0.01000	11/7/17	2608
	29.81000	0.07000	12/7/17	2608
	29.67000	0.06000	1/8/18	2608
	31.87000	-0.10000	2/7/18	2608
	31.58000	-0.10000	3/7/18	2608
	32.54000	-0.10000	4/6/18	2608
	30.33000	-0.10000	5/7/18	2608
	28.71000	-0.11000	6/7/18	2608
	34.05000	-0.10000	7/9/18	2608

	44.84000	-0.15000	8/7/18	2608
	65.21000	-0.30000	9/10/18	2608
	33.96000	-0.15000	10/5/18	2608
	28.91000	-0.15000	11/7/18	2608
	28.40000	-0.15000	12/7/18	2608
	28.95000	-0.14000	1/8/19	2608
	29.04000	-0.15000	2/7/19	2608
	28.72000	-0.17000	3/7/19	2608
	30.36000	-0.18000	4/5/19	2608
	28.45000	-0.12000	5/7/19	2608
	28.18000	-0.12000	6/7/19	2608
	33.49000	-0.14000	7/8/19	2608
	46.88000	-0.22000	8/7/19	2608
	66.79000	-0.28000	9/9/19	2608
	30.96000	-0.13000	10/7/19	2608
	27.79000	-0.11000	11/7/19	2608
	27.39000	-0.11000	12/6/19	2608
	27.92000	-0.11000	1/8/20	2608
	16.36000	0.00000	10/4/16	2636
	18.62000	0.00000	10/5/16	2636
	18.69000	0.00000	10/6/16	2636
	17.28000	0.00000	10/7/16	2636
	18.20000	0.00000	10/10/16	2636
	17.68000	0.00000	10/10/16	2636
	15.45000	0.00000	10/10/16	2636
	16.14000	0.00000	10/11/16	2636

	10.91000	0.00000	10/12/16	2636
	18.79000	-1.91000	10/13/16	2636
	21.01000	0.31000	10/14/16	2636
	21.01000	0.31000	10/17/16	2636
	16.18000	0.23000	10/17/16	2636
	16.18000	0.23000	10/17/16	2636
	21.01000	0.31000	10/18/16	2636
	21.01000	0.31000	10/19/16	2636
	21.01000	0.31000	10/20/16	2636
	21.01000	0.31000	10/21/16	2636
	21.01000	0.31000	10/24/16	2636
	16.18000	0.23000	10/24/16	2636
	16.18000	0.23000	10/24/16	2636
	21.01000	0.31000	10/25/16	2636
	21.01000	0.31000	10/26/16	2636
	21.01000	0.31000	10/27/16	2636
	21.01000	0.31000	10/28/16	2636
	21.01000	0.31000	10/31/16	2636
	16.18000	0.23000	10/31/16	2636
	16.18000	0.23000	10/31/16	2636
	21.01000	0.31000	11/1/16	2636
	21.01000	0.31000	11/2/16	2636
	21.01000	0.31000	11/3/16	2636
	21.01000	0.31000	11/4/16	2636
	21.01000	0.31000	11/7/16	2636
	16.18000	0.23000	11/7/16	2636

	16.18000	0.23000	11/7/16	2636
	21.01000	0.31000	11/8/16	2636
	19.46000	0.21000	11/9/16	2636
	19.46000	0.21000	11/10/16	2636
	19.46000	0.21000	11/11/16	2636
	19.46000	0.21000	11/14/16	2636
	17.48000	0.23000	11/14/16	2636
	17.48000	0.23000	11/14/16	2636
	19.46000		11/15/16	2636
	19.46000		11/16/16	2636
	19.46000		11/17/16	2636
	23.02000	0.00000	10/7/16	2616
	21.01000	0.32000	11/7/16	2616
	20.57000	0.28000	12/7/16	2616
	20.83000	0.09000	1/9/17	2616
	23.98000	0.08000	2/7/17	2616
	23.93000	0.07000	3/7/17	2616
	23.56000	0.06000	4/7/17	2616
	22.93000	0.02000	5/5/17	2616
	22.14000	0.01000	6/7/17	2616
	22.57000	0.01000	7/10/17	2616
	25.63000	0.00000	8/7/17	2616
	26.16000	-0.01000	9/8/17	2616
	23.40000	-0.02000	10/6/17	2616
	21.67000	-0.02000	11/7/17	2616
	20.98000	-0.03000	12/7/17	2616

	21.63000	-0.03000	1/8/18	2616
	24.38000	-0.07000	2/7/18	2616
	24.04000	-0.07000	3/7/18	2616
	23.57000	-0.07000	4/6/18	2616
	21.49000	-0.07000	5/7/18	2616
	20.78000	-0.08000	6/7/18	2616
	21.69000	-0.07000	7/9/18	2616
	23.87000	-0.08000	8/7/18	2616
	24.91000	-0.12000	9/10/18	2616
	22.34000	-0.11000	10/5/18	2616
	20.02000	-0.11000	11/7/18	2616
	19.90000	-0.11000	12/7/18	2616
	20.91000	-0.11000	1/8/19	2616
	23.53000	-0.12000	2/7/19	2616
	23.21000	-0.14000	3/7/19	2616
	22.81000	-0.14000	4/5/19	2616
	21.18000	-0.09000	5/7/19	2616
	20.76000	-0.09000	6/7/19	2616
	21.82000	-0.09000	7/8/19	2616
	24.11000	-0.10000	8/7/19	2616
	25.27000	-0.11000	9/9/19	2616
	22.65000	-0.09000	10/7/19	2616
	20.28000	-0.09000	11/7/19	2616
	20.24000	-0.08000	12/6/19	2616
	21.28000	-0.08000	1/8/20	2616
	35.93000	0.00000	10/7/16	5760

	40.33000	0.26000	11/7/16	5760
	40.75000	0.35000	12/7/16	5760
	40.35000	0.50000	1/9/17	5760
	47.70000	0.25000	2/7/17	5760
	45.40000	0.35000	3/7/17	5760
	43.50000	0.45000	4/7/17	5760
	38.95000	0.10000	5/5/17	5760
	39.85000	0.15000	6/7/17	5760
	42.15000	0.10000	7/10/17	5760
	49.95000	0.00000	8/7/17	5760
	44.85000	0.00000	9/8/17	5760
	39.00000	0.15000	10/6/17	5760
	37.50000	0.15000	11/7/17	5760
	37.15000	0.30000	12/7/17	5760
	39.30000	0.15000	1/8/18	5760
	49.00000	0.30000	2/7/18	5760
	46.30000	0.30000	3/7/18	5760
	39.55000	0.10000	4/6/18	5760
	36.15000	0.10000	5/7/18	5760
	37.80000	0.00000	6/7/18	5760
	41.00000	0.00000	7/9/18	5760
	49.25000	0.00000	8/7/18	5760
	45.25000	0.00000	9/10/18	5760
	38.40000	0.15000	10/5/18	5760
	37.95000	0.00000	11/7/18	5760
	38.45000	0.00000	12/7/18	5760

	36.70000	0.00000	1/8/19	5760
	48.60000	-0.15000	2/7/19	5760
	46.20000	-0.10000	3/7/19	5760
	40.35000	-0.10000	4/5/19	5760
	36.65000	-0.05000	5/7/19	5760
	37.90000	-0.05000	6/7/19	5760
	41.20000	0.30000	7/8/19	5760
	47.75000	-0.10000	8/7/19	5760
	43.95000	-0.10000	9/9/19	5760
	38.40000	-0.05000	10/7/19	5760
	38.70000	-0.05000	11/7/19	5760
	39.35000	-0.05000	12/6/19	5760
	38.70000	-0.10000	1/8/20	5760
	26.04000	0.00000	10/7/16	5761
	29.12000	0.18000	11/7/16	5761
	29.80000	0.10000	12/7/16	5761
	32.40000	0.20000	1/9/17	5761
	43.15000	0.20000	2/7/17	5761
	38.30000	0.15000	3/7/17	5761
	33.85000	0.00000	4/7/17	5761
	27.45000	0.00000	5/5/17	5761
	27.55000	0.25000	6/7/17	5761
	29.15000	0.00000	7/10/17	5761
	31.85000	0.00000	8/7/17	5761
	29.40000	0.00000	9/8/17	5761
	27.20000	0.00000	10/6/17	5761

	27.95000	0.00000	11/7/17	5761
	27.70000	0.00000	12/7/17	5761
	33.25000	0.00000	1/8/18	5761
	43.20000	0.15000	2/7/18	5761
	40.10000	0.15000	3/7/18	5761
	31.65000	0.05000	4/6/18	5761
	29.65000	0.05000	5/7/18	5761
	26.15000	0.00000	6/7/18	5761
	29.25000	0.00000	7/9/18	5761
	31.20000	0.05000	8/7/18	5761
	30.75000	0.05000	9/10/18	5761
	25.80000	0.00000	10/5/18	5761
	27.20000	0.00000	11/7/18	5761
	28.20000	0.05000	12/7/18	5761
	30.35000	0.05000	1/8/19	5761
	42.00000	0.05000	2/7/19	5761
	38.85000	0.05000	3/7/19	5761
	30.40000	0.05000	4/5/19	5761
	29.10000	0.05000	5/7/19	5761
	25.75000	0.05000	6/7/19	5761
	29.10000	0.05000	7/8/19	5761
	31.40000	0.05000	8/7/19	5761
	30.80000	0.05000	9/9/19	5761
	26.60000	0.05000	10/7/19	5761
	27.15000	0.05000	11/7/19	5761
	27.65000	0.05000	12/6/19	5761

	29.25000	0.05000	1/8/20	5761
	1.10000	0.00000	10/26/16	4666
	1.10000	0.00000	11/25/16	4666
	1.10000	0.00000	12/23/16	4666
	1.10000	0.00000	1/26/17	4666
	1.10000	0.00000	2/23/17	4666
	1.10000	0.00000	3/28/17	4666
	1.10000	0.00000	4/25/17	4666
	1.10000	0.00000	5/25/17	4666
	1.10000	0.00000	6/27/17	4666
	1.10000	0.00000	7/26/17	4666
	1.10000	0.00000	8/28/17	4666
	1.10000	0.00000	9/26/17	4666
	1.10000	0.00000	10/26/17	4666
	1.10000	0.00000	11/27/17	4666
	1.10000	0.00000	12/22/17	4666
	26.25000	0.00000	10/7/16	5763
	29.27000	0.22000	11/7/16	5763
	29.15000	0.10000	12/7/16	5763
	31.85000	0.20000	1/9/17	5763
	42.55000	0.20000	2/7/17	5763
	37.70000	0.15000	3/7/17	5763
	33.25000	0.00000	4/7/17	5763
	26.85000	0.00000	5/5/17	5763
	26.95000	0.25000	6/7/17	5763
	28.55000	0.00000	7/10/17	5763

	31.25000	0.00000	8/7/17	5763
	28.80000	0.00000	9/8/17	5763
	26.55000	0.00000	10/6/17	5763
	27.35000	0.00000	11/7/17	5763
	27.10000	0.00000	12/7/17	5763
	32.65000	0.00000	1/8/18	5763
	42.60000	0.15000	2/7/18	5763
	39.50000	0.15000	3/7/18	5763
	31.05000	0.05000	4/6/18	5763
	29.05000	0.05000	5/7/18	5763
	25.55000	0.00000	6/7/18	5763
	28.65000	0.00000	7/9/18	5763
	30.60000	0.05000	8/7/18	5763
	30.15000	0.05000	9/10/18	5763
	25.20000	0.00000	10/5/18	5763
	26.60000	0.00000	11/7/18	5763
	27.60000	0.05000	12/7/18	5763
	29.75000	0.05000	1/8/19	5763
	41.40000	0.05000	2/7/19	5763
	38.25000	0.05000	3/7/19	5763
	29.80000	0.05000	4/5/19	5763
	28.50000	0.05000	5/7/19	5763
	25.15000	0.05000	6/7/19	5763
	28.50000	0.05000	7/8/19	5763
	30.80000	0.05000	8/7/19	5763
	30.20000	0.05000	9/9/19	5763

	26.00000	0.05000	10/7/19	5763
	26.55000	0.05000	11/7/19	5763
	27.05000	0.05000	12/6/19	5763
	28.35000	0.05000	1/8/20	5763
	33.69000	0.00000	10/7/16	5762
	39.45000	-0.32000	11/7/16	5762
	40.25000	0.35000	12/7/16	5762
	39.85000	0.50000	1/9/17	5762
	47.10000	0.25000	2/7/17	5762
	44.80000	0.35000	3/7/17	5762
	42.90000	0.45000	4/7/17	5762
	38.35000	0.10000	5/5/17	5762
	39.25000	0.15000	6/7/17	5762
	41.55000	0.10000	7/10/17	5762
	49.40000	0.00000	8/7/17	5762
	44.30000	0.00000	9/8/17	5762
	38.40000	0.15000	10/6/17	5762
	36.90000	0.15000	11/7/17	5762
	36.55000	0.30000	12/7/17	5762
	38.70000	0.15000	1/8/18	5762
	48.40000	0.30000	2/7/18	5762
	45.70000	0.30000	3/7/18	5762
	38.95000	0.10000	4/6/18	5762
	35.55000	0.10000	5/7/18	5762
	37.25000	0.00000	6/7/18	5762
	40.40000	0.00000	7/9/18	5762

	48.65000	0.00000	8/7/18	5762
	44.70000	0.00000	9/10/18	5762
	37.80000	0.15000	10/5/18	5762
	37.35000	0.00000	11/7/18	5762
	37.85000	0.00000	12/7/18	5762
	36.65000	0.00000	1/8/19	5762
	48.00000	-0.15000	2/7/19	5762
	45.60000	-0.10000	3/7/19	5762
	39.75000	-0.10000	4/5/19	5762
	36.05000	-0.05000	5/7/19	5762
	37.30000	-0.05000	6/7/19	5762
	40.60000	0.30000	7/8/19	5762
	47.15000	-0.10000	8/7/19	5762
	43.35000	-0.10000	9/9/19	5762
	37.80000	-0.05000	10/7/19	5762
	38.10000	-0.05000	11/7/19	5762
	38.75000	-0.05000	12/6/19	5762
	38.30000	-0.10000	1/8/20	5762
	10.00000	0.00000	10/26/16	15848
	10.06000	0.00000	11/25/16	15848
	10.13000	0.00000	12/23/16	15848
	10.19000	0.00000	1/26/17	15848
	10.25000	0.00000	2/23/17	15848
	10.31000	0.00000	3/28/17	15848
	10.38000	0.00000	4/25/17	15848
	10.44000	0.00000	5/25/17	15848

	10.50000	0.00000	6/27/17	15848
	10.50000	0.00000	7/26/17	15848
	10.00000	0.00000	10/26/16	15849
	10.06000	0.00000	11/25/16	15849
	10.13000	0.00000	12/23/16	15849
	10.19000	0.00000	1/26/17	15849
	10.25000	0.00000	2/23/17	15849
	10.31000	0.00000	3/28/17	15849
	10.38000	0.00000	4/25/17	15849
	10.44000	0.00000	5/25/17	15849
	10.50000	0.00000	6/27/17	15849
	10.50000	0.00000	7/26/17	15849
	10.50000	0.00000	6/26/18	15849
	10.50000	0.00000	7/26/18	15849
	10.64000	0.00000	10/26/16	15850
	10.68000	0.00000	11/25/16	15850
	10.72000	0.00000	12/23/16	15850
	10.76000	0.00000	1/26/17	15850
	10.79000	0.00000	2/23/17	15850
	10.83000	0.00000	3/28/17	15850
	10.87000	0.00000	4/25/17	15850
	10.91000	0.00000	5/25/17	15850
	10.95000	0.00000	6/27/17	15850
	10.95000	0.00000	7/26/17	15850
	11.00000	0.00000	8/28/17	15850
	11.04000	0.00000	9/26/17	15850

	11.09000	0.00000	10/26/17	15850
	11.13000	0.00000	11/27/17	15850
	11.18000	0.00000	12/22/17	15850
	11.23000	0.00000	1/26/18	15850
	11.27000	0.00000	2/23/18	15850
	11.32000	0.00000	3/26/18	15850
	11.36000	0.00000	4/25/18	15850
	11.41000	0.00000	5/25/18	15850
	11.45000	0.00000	6/26/18	15850
	11.50000	0.00000	7/26/18	15850
	11.54000	0.00000	8/28/18	15850
	11.58000	0.00000	6/25/19	15850
	11.62000	0.00000	7/26/19	15850
	12.00000	0.00000	8/28/17	15962
	12.00000	0.00000	9/26/17	15962
	12.00000	0.00000	10/26/17	15962
	12.00000	0.00000	11/27/17	15962
	12.00000	0.00000	12/22/17	15962
	12.00000	0.00000	1/26/18	15962
	12.00000	0.00000	2/23/18	15962
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	12.00000	0.00000	4/25/18	15962
	12.00000	0.00000	5/25/18	15962
	12.00000	0.00000	6/26/18	15962
	12.00000	0.00000	7/26/18	15962
	12.00000	0.00000	8/28/18	15962

	12.00000	0.00000	9/25/18	15962
	12.00000	0.00000	10/26/18	15962
	12.00000	0.00000	11/27/18	15962
	12.00000	0.00000	12/24/18	15962
	12.00000	0.00000	1/28/19	15962
	12.00000	0.00000	2/25/19	15962
	12.00000	0.00000	3/26/19	15962
	12.00000	0.00000	4/25/19	15962
	12.00000	0.00000	5/28/19	15962
	12.00000	0.00000	6/25/19	15962
	12.00000	0.00000	7/26/19	15962
	12.00000	0.00000	6/25/20	15962
	12.00000	0.00000	7/28/20	15962
	12.35000	0.00000	8/28/18	15963
	12.35000	0.00000	9/25/18	15963
	12.35000	0.00000	10/26/18	15963
	12.35000	0.00000	11/27/18	15963
	12.35000	0.00000	12/24/18	15963
	12.35000	0.00000	1/28/19	15963
	12.35000	0.00000	2/25/19	15963
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	12.35000	0.00000	5/28/19	15963
	12.35000	0.00000	6/25/19	15963
	12.35000	0.00000	7/26/19	15963
	12.35000	0.00000	8/27/19	15963

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	12.35000	0.00000	10/28/19	15963
	12.35000	0.00000	11/25/19	15963
	12.35000	0.00000	12/24/19	15963
	12.35000	0.00000	1/28/20	15963
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	12.35000	0.00000	5/26/20	15963
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	12.35000	0.00000	6/25/21	15963
	12.35000	0.00000	7/27/21	15963
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	12.85000	0.00000	9/25/19	15964
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	12.85000	0.00000	8/26/20	15964

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	12.85000	0.00000	10/27/20	15964
	12.85000	0.00000	11/24/20	15964
	12.85000	0.00000	12/24/20	15964
	12.85000	0.00000	1/26/21	15964
	12.85000	0.00000	2/23/21	15964
	12.85000	0.00000	3/26/21	15964
	12.85000	0.00000	4/27/21	15964
	12.85000	0.00000	5/25/21	15964
	12.85000	0.00000	6/25/21	15964
	12.85000	0.00000	7/27/21	15964
	12.85000	0.00000	6/27/22	15964
	12.85000	0.00000	7/26/22	15964
	13.95000	0.00000	8/26/20	15965
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	13.95000	0.00000	10/27/20	15965
	13.95000	0.00000	11/24/20	15965
	13.95000	0.00000	12/24/20	15965
	13.95000	0.00000	1/26/21	15965
	13.95000	0.00000	2/23/21	15965
	13.95000	0.00000	3/26/21	15965
	13.95000	0.00000	4/27/21	15965
	13.95000	0.00000	5/25/21	15965
	13.95000	0.00000	6/25/21	15965
	13.95000	0.00000	7/27/21	15965
	13.95000	0.00000	8/26/21	15965

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	13.95000	0.00000	10/26/21	15965
	13.95000	0.00000	11/24/21	15965
	13.95000	0.00000	12/27/21	15965
	13.95000	0.00000	1/26/22	15965
	13.95000	0.00000	2/23/22	15965
	13.95000	0.00000	3/28/22	15965
	13.95000	0.00000	4/26/22	15965
	13.95000	0.00000	5/25/22	15965
	13.95000	0.00000	6/27/22	15965
	13.95000	0.00000	7/26/22	15965
	13.80000	0.00000	6/27/22	19254
	13.80000	0.00000	7/26/22	19254
	13.80000	0.00000	6/27/23	19267
	13.80000	0.00000	7/26/23	19267
	50.55000	0.00000	10/6/16	4640
	54.57000	0.51000	10/28/16	4640
	55.01000	0.51000	11/29/16	4640
	55.97000	1.17000	12/29/16	4640
	56.67000	1.17000	1/30/17	4640
	52.67000	-0.72000	2/27/17	4640
	43.73000	0.58000	3/30/17	4640
	41.98000	0.58000	4/27/17	4640
	41.14000	0.58000	5/30/17	4640
	41.67000	0.60000	6/29/17	4640
	40.98000	0.60000	7/28/17	4640

	40.36000	0.60000	8/30/17	4640
	42.20000	1.17000	9/28/17	4640
	45.64000	1.17000	10/30/17	4640
	46.65000	1.17000	11/29/17	4640
	48.04000	1.17000	12/28/17	4640
	48.56000	1.17000	1/30/18	4640
	48.27000	1.17000	2/27/18	4640
	41.30000	0.77000	3/28/18	4640
	39.67000	0.77000	4/27/18	4640
	38.98000	0.77000	5/30/18	4640
	38.48000	0.77000	6/28/18	4640
	37.91000	0.77000	7/30/18	4640
	37.38000	0.77000	8/30/18	4640
	39.74000	0.93000	9/27/18	4640
	42.73000	0.93000	10/30/18	4640
	43.77000	0.93000	11/29/18	4640
	44.99000	0.93000	12/28/18	4640
	45.28000	0.93000	1/30/19	4640
	44.75000	0.93000	2/27/19	4640
	38.09000	0.13000	3/28/19	4640
	37.28000	0.13000	4/29/19	4640
	37.31000	0.13000	5/30/19	4640
	37.63000	0.13000	6/27/19	4640
	37.76000	0.13000	7/30/19	4640
	37.73000	0.13000	8/29/19	4640
	40.66000	0.75000	9/27/19	4640

	43.51000	0.75000	10/30/19	4640
	44.00000	0.75000	11/28/19	4640
	44.58000	0.75000	12/30/19	4640
	44.51000	0.75000	1/30/20	4640
	43.59000	0.75000	2/27/20	4640
	38.47000	0.13000	3/30/20	4640
	37.40000	0.13000	4/29/20	4640
	37.42000	0.13000	5/28/20	4640
	37.57000	0.13000	6/29/20	4640
	37.70000	0.13000	7/30/20	4640
	37.67000	0.13000	8/27/20	4640
	39.78000	0.75000	9/29/20	4640
	42.76000	0.75000	10/29/20	4640
	43.29000	0.75000	11/27/20	4640
	43.95000	0.75000	12/30/20	4640
	43.88000	0.75000	1/28/21	4640
	43.23000	0.75000	2/25/21	4640
	38.11000	0.13000	3/30/21	4640
	37.04000	0.13000	4/29/21	4640
	37.06000	0.13000	5/27/21	4640
	37.21000	0.13000	6/29/21	4640
	37.34000	0.13000	7/29/21	4640
	37.34000	0.13000	8/27/21	4640
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	43.80000	0.00000	11/25/16	2863
	44.55000	0.00000	12/23/16	2863

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	44.55000	0.00000	2/24/17	2863
	46.40000	0.00000	3/24/17	2863
	46.40000	0.00000	4/25/17	2863
	46.40000	0.00000	5/25/17	2863
	47.15000	0.00000	6/23/17	2863
	47.15000	0.00000	7/25/17	2863
	47.15000	0.00000	8/25/17	2863
	48.15000	0.00000	9/25/17	2863
	48.15000	0.00000	10/25/17	2863
	48.15000	0.00000	11/24/17	2863
	49.65000	0.00000	12/22/17	2863
	49.65000	0.00000	1/25/18	2863
	49.65000	0.00000	2/23/18	2863
	49.65000	0.00000	3/23/18	2863
	49.65000	0.00000	4/25/18	2863
	49.65000	0.00000	5/25/18	2863
	49.65000	0.00000	6/25/18	2863
	49.65000	0.00000	7/25/18	2863
	49.65000	0.00000	8/24/18	2863
	49.65000	0.00000	9/25/18	2863
	49.65000	0.00000	10/25/18	2863
	49.65000	0.00000	11/23/18	2863
	50.65000	0.00000	12/24/18	2863
	50.65000	0.00000	1/25/19	2863
	50.65000	0.00000	2/25/19	2863

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	50.65000	0.00000	4/25/19	2863
	50.65000	0.00000	5/24/19	2863
	50.65000	0.00000	6/25/19	2863
	50.65000	0.00000	7/25/19	2863
	50.65000	0.00000	8/23/19	2863
	50.65000	0.00000	9/25/19	2863
	50.65000	0.00000	10/25/19	2863
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	51.65000	0.00000	12/24/19	2863
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	51.65000	0.00000	8/25/20	2863
	51.65000	0.00000	9/25/20	2863
	51.65000	0.00000	10/23/20	2863
	51.65000	0.00000	11/25/20	2863
	11.90000	0.00000	10/25/16	2865
	11.90000	0.00000	11/25/16	2865
	11.80000	0.00000	12/23/16	2865
	11.80000	0.00000	1/25/17	2865
	11.80000	0.00000	2/24/17	2865

	11.95000	0.00000	3/24/17	2865
	11.95000	0.00000	4/25/17	2865
	11.95000	0.00000	5/25/17	2865
	12.25000	0.00000	6/23/17	2865
	12.25000	0.00000	7/25/17	2865
	12.25000	0.00000	8/25/17	2865
	12.40000	0.00000	9/25/17	2865
	12.40000	0.00000	10/25/17	2865
	12.40000	0.00000	11/24/17	2865
	12.60000	0.00000	12/22/17	2865
	12.60000	0.00000	1/25/18	2865
	12.60000	0.00000	2/23/18	2865
	12.70000	0.00000	3/23/18	2865
	12.70000	0.00000	4/25/18	2865
	12.70000	0.00000	5/25/18	2865
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	12.90000	0.00000	7/25/18	2865
	12.90000	0.00000	8/24/18	2865
	13.30000	0.00000	9/25/18	2865
	13.30000	0.00000	10/25/18	2865
	13.30000	0.00000	11/23/18	2865
	13.70000	0.00000	12/24/18	2865
	13.70000	0.00000	1/25/19	2865
	13.70000	0.00000	2/25/19	2865
	13.70000	0.00000	3/25/19	2865
	13.70000	0.00000	4/25/19	2865

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	13.70000	0.00000	10/25/19	2865
	13.70000	0.00000	11/25/19	2865
	14.52000	0.00000	12/24/19	2865
	14.52000	0.00000	1/24/20	2865
	14.52000	0.00000	2/25/20	2865
	14.52000	0.00000	3/25/20	2865
	14.52000	0.00000	4/24/20	2865
	14.52000	0.00000	5/22/20	2865
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	14.52000	0.00000	10/23/20	2865
	14.52000	0.00000	11/25/20	2865
	57.05000	0.25000	10/25/16	2864
	56.65000	0.20000	11/25/16	2864
	54.30000	0.20000	12/23/16	2864
	54.30000	0.20000	1/25/17	2864
	54.30000	0.20000	2/24/17	2864
	53.35000	0.20000	3/24/17	2864
	53.35000	0.20000	4/25/17	2864

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	52.55000	0.20000	8/25/17	2864
	52.40000	0.20000	9/25/17	2864
	52.40000	0.20000	10/25/17	2864
	52.40000	0.20000	11/24/17	2864
	53.00000	0.20000	12/22/17	2864
	53.00000	0.20000	1/25/18	2864
	53.00000	0.20000	2/23/18	2864
	53.45000	0.25000	3/23/18	2864
	53.45000	0.25000	4/25/18	2864
	53.45000	0.25000	5/25/18	2864
	53.80000	0.25000	6/25/18	2864
	53.80000	0.25000	7/25/18	2864
	53.80000	0.25000	8/24/18	2864
	54.00000	0.25000	9/25/18	2864
	54.00000	0.25000	10/25/18	2864
	54.00000	0.25000	11/23/18	2864
	54.55000	0.25000	12/24/18	2864
	54.55000	0.25000	1/25/19	2864
	54.55000	0.25000	2/25/19	2864
	54.55000	0.25000	3/25/19	2864
	54.55000	0.25000	4/25/19	2864
	54.55000	0.25000	5/24/19	2864
	54.55000	0.25000	6/25/19	2864

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	54.55000	0.25000	10/25/19	2864
	54.55000	0.25000	11/25/19	2864
	55.54000	0.27000	12/24/19	2864
	55.54000	0.27000	1/24/20	2864
	55.54000	0.27000	2/25/20	2864
	55.54000	0.27000	3/25/20	2864
	55.54000	0.27000	4/24/20	2864
	55.54000	0.27000	5/22/20	2864
	55.54000	0.27000	6/25/20	2864
	55.54000	0.27000	7/24/20	2864
	55.54000	0.27000	8/25/20	2864
	55.54000	0.27000	9/25/20	2864
	55.54000	0.27000	10/23/20	2864
	55.54000	0.27000	11/25/20	2864
	31.26000	0.00000	10/4/16	746
	28.81000	0.00000	10/5/16	746
	26.71000	0.00000	10/6/16	746
	28.75000	0.00000	10/6/16	746
	28.38000	0.00000	10/6/16	746
	27.05000	0.00000	10/7/16	746
	29.02000	0.02000	10/10/16	746
	29.50000	-1.50000	10/11/16	746
	30.65000	-0.35000	10/12/16	746

	30.65000	-0.35000	10/13/16	746
	30.65000	-0.35000	10/13/16	746
	30.65000	-0.35000	10/13/16	746
	30.65000	-0.35000	10/14/16	746
	30.65000	-0.35000	10/17/16	746
	30.65000	-0.35000	10/18/16	746
	30.65000	-0.35000	10/19/16	746
	30.65000	-0.35000	10/20/16	746
	30.65000	-0.35000	10/20/16	746
	30.65000	-0.35000	10/20/16	746
	30.65000	-0.35000	10/21/16	746
	30.65000	-0.35000	10/24/16	746
	30.65000	-0.35000	10/25/16	746
	30.65000	-0.35000	10/26/16	746
	30.65000	-0.35000	10/27/16	746
	30.65000	-0.35000	10/27/16	746
	30.65000	-0.35000	10/27/16	746
	30.65000	-0.35000	10/28/16	746
	30.65000	-0.35000	10/31/16	746
	30.65000	-0.35000	11/1/16	746
	30.65000	-0.35000	11/2/16	746
	30.65000	-0.35000	11/3/16	746
	30.65000	-0.35000	11/3/16	746
	30.65000	-0.35000	11/3/16	746
	30.65000	-0.35000	11/4/16	746
	31.40000	0.20000	11/7/16	746

	31.40000	0.20000	11/8/16	746
	31.40000	0.20000	11/9/16	746
	31.40000	0.20000	11/10/16	746
	31.40000	0.20000	11/10/16	746
	31.40000	0.20000	11/10/16	746
	31.40000	0.20000	11/11/16	746
	31.40000	0.20000	11/14/16	746
	31.40000	0.20000	11/15/16	746
	31.40000	0.20000	11/16/16	746
	31.40000	0.20000	11/17/16	746
	31.40000	0.20000	11/17/16	746
	31.40000	0.20000	11/17/16	746
	31.40000	0.20000	11/18/16	746
	31.40000	0.20000	11/21/16	746
	31.40000	0.20000	11/22/16	746
	31.40000	0.20000	11/23/16	746
	31.40000	0.20000	11/28/16	746
	31.40000	0.20000	11/28/16	746
	31.40000	0.20000	11/28/16	746
	31.40000	0.20000	11/29/16	746
	31.40000	0.20000	11/30/16	746
	31.40000	0.20000	12/1/16	746
	31.40000	0.20000	12/1/16	746
	31.40000	0.20000	12/1/16	746
	31.40000	0.20000	12/1/16	746
	31.40000	0.20000	12/1/16	746

	31.40000	0.20000	12/2/16	746
	31.40000	0.20000	12/5/16	746
	31.40000	0.20000	12/6/16	746
	35.50000	-0.35000	12/7/16	746
	35.50000	-0.35000	12/8/16	746
	35.50000	-0.35000	12/8/16	746
	35.50000	-0.35000	12/8/16	746
	35.50000	-0.35000	12/9/16	746
	35.50000	-0.35000	12/12/16	746
	35.50000	-0.35000	12/13/16	746
	35.50000	-0.35000	12/14/16	746
	35.50000	-0.35000	12/15/16	746
	35.50000	-0.35000	12/15/16	746
	35.50000		12/15/16	746
	64.65000	0.00000	10/6/16	4639
	71.61000	1.32000	10/28/16	4639
	72.13000	0.71000	11/29/16	4639
	73.46000	2.84000	12/29/16	4639
	74.84000	2.96000	1/30/17	4639
	66.98000	-2.83000	2/27/17	4639
	49.02000	0.92000	3/30/17	4639
	46.26000	0.92000	4/27/17	4639
	43.98000	0.92000	5/30/17	4639
	48.00000	0.92000	6/29/17	4639
	45.68000	0.92000	7/28/17	4639
	43.62000	0.92000	8/30/17	4639

	47.96000	0.76000	9/28/17	4639
	53.39000	0.76000	10/30/17	4639
	55.67000	0.76000	11/29/17	4639
	59.10000	0.76000	12/28/17	4639
	60.56000	0.76000	1/30/18	4639
	60.46000	0.76000	2/27/18	4639
	45.28000	0.56000	3/28/18	4639
	44.76000	0.56000	4/27/18	4639
	44.61000	0.56000	5/30/18	4639
	44.56000	0.56000	6/28/18	4639
	44.43000	0.56000	7/30/18	4639
	44.59000	0.56000	8/30/18	4639
	49.02000	1.10000	9/27/18	4639
	52.64000	1.10000	10/30/18	4639
	53.10000	1.10000	11/29/18	4639
	54.70000	1.10000	12/28/18	4639
	54.24000	1.10000	1/30/19	4639
	52.49000	1.10000	2/27/19	4639
	43.58000	0.20000	3/28/19	4639
	43.31000	0.20000	4/29/19	4639
	43.46000	0.20000	5/30/19	4639
	43.26000	0.20000	6/27/19	4639
	43.45000	0.20000	7/30/19	4639
	43.91000	0.20000	8/29/19	4639
	48.59000	2.54000	9/27/19	4639
	52.21000	2.54000	10/30/19	4639

	52.66000	2.54000	11/28/19	4639
	54.69000	2.54000	12/30/19	4639
	54.27000	2.54000	1/30/20	4639
	52.58000	2.54000	2/27/20	4639
	43.11000	0.20000	3/30/20	4639
	43.68000	0.20000	4/29/20	4639
	43.84000	0.20000	5/28/20	4639
	44.07000	0.20000	6/29/20	4639
	44.27000	0.20000	7/30/20	4639
	44.72000	0.20000	8/27/20	4639
	51.74000	2.54000	9/29/20	4639
	54.67000	2.54000	10/29/20	4639
	55.06000	2.54000	11/27/20	4639
	56.63000	2.54000	12/30/20	4639
	56.26000	2.54000	1/28/21	4639
	54.55000	2.54000	2/25/21	4639
	45.08000	0.20000	3/30/21	4639
	45.65000	0.20000	4/29/21	4639
	45.81000	0.20000	5/27/21	4639
	46.04000	0.20000	6/29/21	4639
	46.24000	0.20000	7/29/21	4639
	46.24000	0.20000	8/27/21	4639
	23.21000	0.00000	10/4/16	751
	23.50000	0.00000	10/5/16	751
	23.19000	-4.21000	10/6/16	751
	26.75000	-0.65000	10/7/16	751

	26.75000	-0.65000	10/10/16	751
	26.75000	-0.65000	10/10/16	751
	22.55000	-0.25000	10/10/16	751
	26.75000	-0.65000	10/11/16	751
	26.75000	-0.65000	10/12/16	751
	26.75000	-0.65000	10/13/16	751
	26.75000	-0.65000	10/14/16	751
	26.75000	-0.65000	10/17/16	751
	26.75000	-0.65000	10/17/16	751
	22.55000	-0.25000	10/17/16	751
	26.75000	-0.65000	10/18/16	751
	26.75000	-0.65000	10/19/16	751
	26.75000	-0.65000	10/20/16	751
	26.75000	-0.65000	10/21/16	751
	26.75000	-0.65000	10/24/16	751
	26.75000	-0.65000	10/24/16	751
	22.55000	-0.25000	10/24/16	751
	26.75000	-0.65000	10/25/16	751
	26.75000	-0.65000	10/26/16	751
	26.75000	-0.65000	10/27/16	751
	26.75000	-0.65000	10/28/16	751
	26.75000	-0.65000	10/31/16	751
	26.75000	-0.65000	10/31/16	751
	22.55000	-0.25000	10/31/16	751
	26.75000	-0.65000	11/1/16	751
	27.15000	0.20000	11/2/16	751

	27.15000	0.20000	11/3/16	751
	27.15000	0.20000	11/4/16	751
	27.15000	0.20000	11/7/16	751
	27.15000	0.20000	11/7/16	751
	23.85000	0.20000	11/7/16	751
	27.15000	0.20000	11/8/16	751
	27.15000	0.20000	11/9/16	751
	27.15000	0.20000	11/10/16	751
	27.15000	0.20000	11/11/16	751
	27.15000	0.20000	11/14/16	751
	27.15000	0.20000	11/14/16	751
	23.85000	0.20000	11/14/16	751
	27.15000	0.20000	11/15/16	751
	27.15000	0.20000	11/16/16	751
	27.15000	0.20000	11/17/16	751
	27.15000	0.20000	11/18/16	751
	27.15000	0.20000	11/21/16	751
	27.15000	0.20000	11/21/16	751
	23.85000	0.20000	11/21/16	751
	27.15000	0.20000	11/22/16	751
	27.15000	0.20000	11/23/16	751
	27.15000	0.20000	11/28/16	751
	23.85000	0.20000	11/28/16	751
	27.15000	0.20000	11/28/16	751
	27.15000	0.20000	11/28/16	751
	23.85000	0.20000	11/28/16	751

	27.15000	0.20000	11/29/16	751
	27.15000	0.20000	11/30/16	751
	27.15000	0.20000	12/1/16	751
	32.65000	-0.05000	12/2/16	751
	32.65000	-0.05000	12/5/16	751
	32.65000	-0.05000	12/5/16	751
	27.30000	-0.35000	12/5/16	751
	32.65000	-0.05000	12/6/16	751
	32.65000	-0.05000	12/7/16	751
	32.65000	-0.05000	12/8/16	751
	32.65000	-0.05000	12/9/16	751
	32.65000		12/12/16	751
	32.65000		12/12/16	751
	27.30000		12/12/16	751
	23.36000	0.00000	10/4/16	2629
	25.50000	0.00000	10/5/16	2629
	28.59000	0.00000	10/6/16	2629
	23.72000	0.00000	10/7/16	2629
	24.61000	0.00000	10/10/16	2629
	24.04000	0.00000	10/10/16	2629
	24.32000	0.00000	10/10/16	2629
	21.04000	0.00000	10/11/16	2629
	24.31000	0.00000	10/12/16	2629
	33.00000	6.66000	10/13/16	2629
	27.18000	0.84000	10/14/16	2629
	27.18000	0.84000	10/17/16	2629

	22.00000	0.68000	10/17/16	2629
	22.00000	0.68000	10/17/16	2629
	27.18000	0.84000	10/18/16	2629
	27.18000	0.84000	10/19/16	2629
	27.18000	0.84000	10/20/16	2629
	27.18000	0.84000	10/21/16	2629
	27.18000	0.84000	10/24/16	2629
	22.00000	0.68000	10/24/16	2629
	22.00000	0.68000	10/24/16	2629
	27.18000	0.84000	10/25/16	2629
	27.18000	0.84000	10/26/16	2629
	27.18000	0.84000	10/27/16	2629
	27.18000	0.84000	10/28/16	2629
	27.18000	0.84000	10/31/16	2629
	22.00000	0.68000	10/31/16	2629
	22.00000	0.68000	10/31/16	2629
	27.18000	0.84000	11/1/16	2629
	27.18000	0.84000	11/2/16	2629
	27.18000	0.84000	11/3/16	2629
	27.18000	0.84000	11/4/16	2629
	27.18000	0.84000	11/7/16	2629
	22.00000	0.68000	11/7/16	2629
	22.00000	0.68000	11/7/16	2629
	27.18000	0.84000	11/8/16	2629
	26.08000	0.45000	11/9/16	2629
	26.08000	0.45000	11/10/16	2629

	26.08000	0.45000	11/11/16	2629
	26.08000	0.45000	11/14/16	2629
	22.17000	0.38000	11/14/16	2629
	22.17000	0.38000	11/14/16	2629
	26.08000	0.45000	11/15/16	2629
	26.08000	0.45000	11/16/16	2629
	26.08000	0.45000	11/17/16	2629
	26.08000	0.45000	11/18/16	2629
	26.08000	0.45000	11/21/16	2629
	22.17000	0.38000	11/21/16	2629
	22.17000	0.38000	11/21/16	2629
	26.08000	0.45000	11/22/16	2629
	26.08000	0.45000	11/23/16	2629
	26.08000	0.45000	11/28/16	2629
	26.08000	0.45000	11/28/16	2629
	26.08000	0.45000	11/28/16	2629
	22.17000	0.38000	11/28/16	2629
	22.17000	0.38000	11/28/16	2629
	26.08000	0.45000	11/29/16	2629
	26.08000	0.45000	11/30/16	2629
	26.08000	0.45000	12/1/16	2629
	22.17000	0.38000	12/2/16	2629
	26.08000	0.45000	12/5/16	2629
	22.17000	0.38000	12/5/16	2629
	22.17000	0.38000	12/5/16	2629
	26.08000	0.45000	12/6/16	2629

	26.08000	0.45000	12/7/16	2629
	26.08000	0.45000	12/8/16	2629
	26.30000	0.14000	12/9/16	2629
	26.30000	0.14000	12/12/16	2629
	22.36000	0.12000	12/12/16	2629
	22.36000	0.12000	12/12/16	2629
	26.30000	0.14000	12/13/16	2629
	26.30000	0.14000	12/14/16	2629
	26.30000	0.14000	12/15/16	2629
	26.30000	0.14000	12/16/16	2629
	26.30000	0.14000	12/19/16	2629
	22.36000	0.12000	12/19/16	2629
	22.36000	0.12000	12/19/16	2629
	26.30000	0.14000	12/20/16	2629
	26.30000	0.14000	12/21/16	2629
	26.30000	0.14000	12/22/16	2629
	26.30000	0.14000	12/23/16	2629
	26.30000	0.14000	12/27/16	2629
	22.36000	0.12000	12/27/16	2629
	22.36000	0.12000	12/27/16	2629
	26.30000	0.14000	12/27/16	2629
	26.30000	0.14000	12/28/16	2629
	26.30000	0.14000	12/29/16	2629
	26.30000	0.14000	12/30/16	2629
	26.30000	0.14000	1/3/17	2629
	22.36000	0.12000	1/3/17	2629

	22.36000	0.12000	1/3/17	2629
	22.36000	0.12000	1/3/17	2629
	26.30000	0.14000	1/4/17	2629
	26.30000	0.14000	1/5/17	2629
	26.30000	0.14000	1/6/17	2629
	26.30000	0.14000	1/9/17	2629
	22.36000	0.12000	1/9/17	2629
	26.71000	0.09000	1/9/17	2629
	26.71000	0.09000	1/10/17	2629
	31.42000	0.10000	1/11/17	2629
	31.42000	0.10000	1/12/17	2629
	31.42000	0.10000	1/13/17	2629
	31.42000	0.10000	1/17/17	2629
	26.71000	0.09000	1/17/17	2629
	26.71000	0.09000	1/17/17	2629
	31.42000	0.10000	1/17/17	2629
	31.42000	0.10000	1/18/17	2629
	31.42000	0.10000	1/19/17	2629
	31.42000	0.10000	1/20/17	2629
	31.42000	0.10000	1/23/17	2629
	26.71000	0.09000	1/23/17	2629
	26.71000	0.09000	1/23/17	2629
	31.42000	0.10000	1/24/17	2629
	31.42000	0.10000	1/25/17	2629
	31.42000	0.10000	1/26/17	2629
	31.42000	0.10000	1/27/17	2629

	31.42000	0.10000	1/30/17	2629
	26.71000	0.09000	1/30/17	2629
	26.71000	0.09000	1/30/17	2629
	31.42000	0.10000	1/31/17	2629
	31.42000	0.10000	2/1/17	2629
	31.42000	0.10000	2/2/17	2629
	31.42000	0.10000	2/3/17	2629
	31.42000	0.10000	2/6/17	2629
	26.71000	0.09000	2/6/17	2629
	26.71000	0.09000	2/6/17	2629
	31.42000	0.10000	2/7/17	2629
	31.42000	0.10000	2/8/17	2629
	31.54000	0.09000	2/9/17	2629
	31.54000	0.09000	2/10/17	2629
	31.54000	0.09000	2/13/17	2629
	26.81000	0.08000	2/13/17	2629
	26.81000		2/13/17	2629
	31.54000		2/14/17	2629
	31.54000		2/15/17	2629
	22.80000	0.00000	10/7/16	1865
	19.21000	0.20000	11/7/16	1865
	18.78000	0.28000	12/7/16	1865
	19.14000	0.09000	1/9/17	1865
	22.55000	0.08000	2/7/17	1865
	22.34000	0.07000	3/7/17	1865
	20.73000	0.06000	4/7/17	1865

	19.69000	0.02000	5/5/17	1865
	19.22000	0.01000	6/7/17	1865
	20.65000	0.01000	7/10/17	1865
	25.03000	0.00000	8/7/17	1865
	25.68000	-0.01000	9/8/17	1865
	22.06000	-0.02000	10/6/17	1865
	19.01000	-0.02000	11/7/17	1865
	18.48000	-0.03000	12/7/17	1865
	19.66000	-0.03000	1/8/18	1865
	22.63000	-0.07000	2/7/18	1865
	22.32000	-0.07000	3/7/18	1865
	20.61000	-0.07000	4/6/18	1865
	18.44000	-0.07000	5/7/18	1865
	17.99000	-0.08000	6/7/18	1865
	19.75000	-0.07000	7/9/18	1865
	23.48000	-0.08000	8/7/18	1865
	23.87000	-0.12000	9/10/18	1865
	20.49000	-0.11000	10/5/18	1865
	17.40000	-0.11000	11/7/18	1865
	17.45000	-0.11000	12/7/18	1865
	18.98000	-0.11000	1/8/19	1865
	21.91000	-0.12000	2/7/19	1865
	21.62000	-0.14000	3/7/19	1865
	20.00000	-0.14000	4/5/19	1865
	18.23000	-0.09000	5/7/19	1865
	18.03000	-0.09000	6/7/19	1865

	19.94000	-0.09000	7/8/19	1865
	23.79000	-0.10000	8/7/19	1865
	24.30000	-0.11000	9/9/19	1865
	20.85000	-0.09000	10/7/19	1865
	17.69000	-0.09000	11/7/19	1865
	17.81000	-0.08000	12/6/19	1865
	19.37000	-0.08000	1/8/20	1865
	21.91000	-0.11000	2/7/20	1865
	21.63000	-0.11000	3/6/20	1865
	20.02000	-0.11000	4/7/20	1865
	18.44000	-0.15000	5/7/20	1865
	18.25000	-0.15000	6/5/20	1865
	20.20000	-0.15000	7/7/20	1865
	24.15000	-0.17000	8/7/20	1865
	24.81000	-0.17000	9/8/20	1865
	21.41000	-0.15000	10/7/20	1865
	18.18000	-0.14000	11/6/20	1865
	18.38000	-0.14000	12/7/20	1865
	20.03000	-0.14000	1/8/21	1865
	22.44000	-0.15000	2/5/21	1865
	22.16000	-0.15000	3/5/21	1865
	20.53000	-0.15000	4/8/21	1865
	18.98000	-0.15000	5/7/21	1865
	18.80000	-0.15000	6/7/21	1865
	20.79000	-0.15000	7/8/21	1865
	24.87000	-0.17000	8/6/21	1865

	25.58000	-0.18000	9/8/21	1865
	22.07000	-0.15000	10/7/21	1865
	18.77000	-0.14000	11/5/21	1865
	18.99000	-0.14000	12/7/21	1865
	20.75000	-0.14000	1/7/22	1865
	23.03000	-0.16000	2/7/22	1865
	22.76000	-0.16000	3/7/22	1865
	21.08000	-0.16000	4/7/22	1865
	19.67000	-0.20000	5/6/22	1865
	19.47000	-0.20000	6/7/22	1865
	21.55000	-0.20000	7/8/22	1865
	25.74000	-0.23000	8/5/22	1865
	26.49000	-0.24000	9/8/22	1865
	22.85000	-0.21000	10/7/22	1865
	19.42000	-0.19000	11/7/22	1865
	19.64000	-0.18000	12/7/22	1865
	21.38000	-0.18000	1/9/23	1865
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	27.60000	0.11000	1/19/17	1871

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	24.14000	0.00000	10/10/16	2625
	24.37000	0.00000	10/10/16	2625
	21.18000	0.00000	10/11/16	2625
	24.46000	0.00000	10/12/16	2625
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	26.08000	0.45000	11/11/16	2625
	26.08000	0.45000	11/14/16	2625
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	22.42000	0.38000	11/14/16	2625
	26.08000		11/15/16	2625
	26.08000		11/16/16	2625
	26.08000		11/17/16	2625
	32.21000	0.00000	10/7/16	2609
	27.06000	1.05000	11/7/16	2609
	26.08000	0.45000	12/7/16	2609
	26.29000	0.14000	1/9/17	2609
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	28.91000	0.03000	5/5/17	2609
	28.03000	0.02000	6/7/17	2609
	34.12000	0.01000	7/10/17	2609
	43.21000	0.00000	8/7/17	2609
	62.74000	-0.02000	9/8/17	2609
	31.99000	0.15000	10/6/17	2609
	27.86000	-0.01000	11/7/17	2609
	27.64000	0.07000	12/7/17	2609
	27.46000	0.06000	1/8/18	2609
	31.08000	-0.10000	2/7/18	2609
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	16.87000		11/16/16	2637

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	19.14000	0.09000	1/9/17	2617
	22.55000	0.08000	2/7/17	2617
	22.34000	0.07000	3/7/17	2617
	20.73000	0.06000	4/7/17	2617
	19.69000	0.02000	5/5/17	2617
	19.22000	0.01000	6/7/17	2617
	20.65000	0.01000	7/10/17	2617
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	22.06000	-0.02000	10/6/17	2617
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	23.48000	-0.08000	8/7/18	2617
	23.87000	-0.12000	9/10/18	2617
	20.49000	-0.11000	10/5/18	2617

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	17.45000	-0.11000	12/7/18	2617
	18.98000	-0.11000	1/8/19	2617
	21.91000	-0.12000	2/7/19	2617
	21.62000	-0.14000	3/7/19	2617
	20.00000	-0.14000	4/5/19	2617
	18.23000	-0.09000	5/7/19	2617
	18.03000	-0.09000	6/7/19	2617
	19.94000	-0.09000	7/8/19	2617
	23.79000	-0.10000	8/7/19	2617
	24.30000	-0.11000	9/9/19	2617
	20.85000	-0.09000	10/7/19	2617
	17.69000	-0.09000	11/7/19	2617
	17.81000	-0.08000	12/6/19	2617
	19.37000	-0.08000	1/8/20	2617
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	26.40000	0.15000	12/2/16	3064
	36.20000	-0.10000	1/4/17	3064
	51.10000	0.05000	2/2/17	3064
	47.50000	0.15000	3/2/17	3064
	33.90000	0.45000	4/4/17	3064
	31.25000	0.10000	5/2/17	3064
	29.95000	0.15000	6/2/17	3064
	30.75000	0.10000	7/5/17	3064
	35.40000	0.05000	8/2/17	3064

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	29.60000	0.15000	11/2/17	3064
	30.90000	0.30000	12/4/17	3064
	36.10000	0.20000	1/3/18	3064
	55.25000	-0.60000	2/2/18	3064
	51.00000	-0.55000	3/2/18	3064
	38.35000	-0.55000	4/3/18	3064
	30.45000	-0.45000	5/2/18	3064
	29.85000	-0.60000	6/4/18	3064
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	42.20000	-0.80000	8/2/18	3064
	37.20000	-0.70000	9/5/18	3064
	30.95000	-0.45000	10/2/18	3064
	32.55000	-0.60000	11/2/18	3064
	34.15000	-0.60000	12/4/18	3064
	37.60000	-0.65000	1/3/19	3064
	54.40000	-0.85000	2/4/19	3064
	49.85000	-0.80000	3/4/19	3064
	38.65000	-0.60000	4/2/19	3064
	31.15000	-0.55000	5/2/19	3064
	26.80000	-0.50000	6/4/19	3064
	31.05000	-0.20000	7/2/19	3064
	43.35000	-0.75000	8/2/19	3064
	37.90000	-0.70000	9/4/19	3064
	31.80000	-0.55000	10/2/19	3064

	32.45000	-0.55000	11/4/19	3064
	31.40000	-0.50000	12/3/19	3064
	35.10000	-0.55000	1/3/20	3064
	55.80000	-0.90000	2/4/20	3064
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	30.50000	-0.55000	10/2/20	3064
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	32.75000	-0.55000	12/2/20	3064
	36.45000	-0.60000	1/5/21	3064
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	27.35000	-0.45000	5/4/21	3064
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	41.50000	-0.70000	8/3/21	3064
	37.20000	-0.60000	9/2/21	3064
	30.20000	-0.50000	10/4/21	3064
	30.25000	-0.50000	11/2/21	3064
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	34.20000	0.15000	3/2/17	3068
	25.05000	0.00000	4/4/17	3068
	17.30000	0.00000	5/2/17	3068
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	16.90000	0.00000	7/5/17	3068
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	18.00000	-0.15000	11/2/21	3068
	19.05000	-0.15000	12/2/21	3068
	24.05000	-0.20000	1/4/22	3068
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	78.75000	0.85000	3/2/17	3065
	49.50000	0.05000	4/4/17	3065
	35.90000	-0.15000	5/2/17	3065
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	32.20000	-0.15000	7/5/17	3065
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	30.75000	-0.10000	10/3/17	3065

	31.05000	-0.10000	11/2/17	3065
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	52.15000	-0.20000	1/3/18	3065
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	76.95000	-0.55000	3/2/18	3065
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	49.10000	-0.60000	4/2/19	3065
	33.40000	-0.55000	5/2/19	3065
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	41.25000	-0.50000	12/2/21	3065
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	20.10000	0.00000	10/4/16	3069

	17.30000	-0.52000	11/2/16	3069
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	63.20000	0.20000	2/2/17	3069
	58.15000	0.15000	3/2/17	3069
	38.25000	0.00000	4/4/17	3069
	22.55000	0.00000	5/2/17	3069
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	18.00000	0.00000	7/5/17	3069
	22.40000	0.00000	8/2/17	3069
	20.80000	0.00000	9/5/17	3069
	19.70000	0.00000	10/3/17	3069
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	35.30000	0.00000	1/3/18	3069
	62.60000	-0.20000	2/2/18	3069
	57.95000	-0.20000	3/2/18	3069
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	22.90000	-0.15000	5/2/18	3069
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	56.70000	-0.30000	3/4/19	3069
	36.35000	-0.20000	4/2/19	3069
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	23.90000	-0.20000	9/4/19	3069
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	22.55000	-0.15000	11/4/19	3069
	27.50000	-0.15000	12/3/19	3069
	34.40000	-0.20000	1/3/20	3069
	60.85000	-0.25000	2/4/20	3069
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	36.75000	-0.20000	4/2/20	3069
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	23.70000	-0.15000	11/3/20	3069
	26.95000	-0.15000	12/2/20	3069
	35.35000	-0.20000	1/5/21	3069
	60.60000	-0.25000	2/2/21	3069

	55.90000	-0.25000	3/2/21	3069
	35.20000	-0.20000	4/5/21	3069
	22.00000	-0.15000	5/4/21	3069
	17.60000	-0.15000	6/2/21	3069
	18.75000	-0.15000	7/2/21	3069
	22.35000	-0.20000	8/3/21	3069
	21.30000	-0.20000	9/2/21	3069
	20.80000	-0.15000	10/4/21	3069
	21.75000	-0.15000	11/2/21	3069
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	32.00000	-0.20000	1/4/22	3069

Modified on 10/04/2016 at 09:13:15 PM					
TRADE DATE	**HUB**	**PRODUCT**	**STRIP**	**CONTRACT**	**CONTRACT TYPE**
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XAA	F

10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XAA	F

10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XAA	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-17	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-18	XAB	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-18	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-19	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-20	XAB	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-20	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-21	XAB	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-16	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jan-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Feb-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Mar-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Apr-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	May-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jun-17	XAC	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jul-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Aug-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Sep-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-17	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jan-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Feb-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Mar-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Apr-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	May-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jun-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jul-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Aug-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Sep-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-18	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jan-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Feb-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Mar-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Apr-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	May-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jun-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jul-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Aug-19	XAC	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Sep-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-19	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jan-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Feb-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Mar-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Apr-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	May-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jun-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jul-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Aug-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Sep-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-20	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jan-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Feb-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Mar-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Apr-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	May-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jun-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Jul-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Aug-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Sep-21	XAC	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-21	XAC	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-16	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jan-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Feb-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Mar-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Apr-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	May-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jun-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jul-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Aug-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Sep-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-17	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jan-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Feb-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Mar-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Apr-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	May-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jun-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jul-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Aug-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Sep-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-18	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-18	XAD	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jan-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Feb-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Mar-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Apr-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	May-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jun-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jul-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Aug-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Sep-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-19	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jan-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Feb-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Mar-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Apr-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	May-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jun-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jul-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Aug-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Sep-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-20	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jan-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Feb-21	XAD	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Mar-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Apr-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	May-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jun-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Jul-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Aug-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Sep-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-21	XAD	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-17	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-18	XAE	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-18	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-19	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-20	XAE	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-20	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-21	XAE	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	May-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-17	XAF	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-17	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	May-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-18	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	May-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-19	XAF	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-19	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	May-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-20	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	May-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-21	XAF	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-16	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-16	XAG	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-17	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-18	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-19	XAG	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-19	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-20	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-21	XAG	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-21	XAG	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-16	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-16	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	May-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-17	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	May-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-18	XAH	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-18	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	May-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-19	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	May-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-20	XAH	F

10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-20	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	May-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-21	XAH	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-16	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jan-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Feb-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Mar-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Apr-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	May-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jun-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jul-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Aug-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Sep-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-17	XAI	F

10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-17	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jan-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Feb-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Mar-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Apr-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	May-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jun-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jul-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Aug-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Sep-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-18	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jan-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Feb-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Mar-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Apr-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	May-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jun-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jul-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Aug-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Sep-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-19	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-19	XAI	F

10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jan-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Feb-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Mar-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Apr-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	May-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jun-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jul-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Aug-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Sep-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-20	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jan-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Feb-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Mar-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Apr-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	May-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jun-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Jul-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Aug-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Sep-21	XAI	F
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-21	XAI	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jan-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Feb-17	XAJ	F

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Mar-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Apr-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	May-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jun-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jul-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Aug-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Sep-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-17	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jan-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Feb-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Mar-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Apr-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	May-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jun-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jul-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Aug-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Sep-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-18	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jan-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Feb-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Mar-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Apr-19	XAJ	F

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	May-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jun-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jul-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Aug-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Sep-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-19	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jan-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Feb-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Mar-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Apr-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	May-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jun-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jul-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Aug-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Sep-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-20	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jan-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Feb-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Mar-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Apr-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	May-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jun-21	XAJ	F

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Jul-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Aug-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Sep-21	XAJ	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-21	XAJ	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-16	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jan-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Feb-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Mar-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Apr-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	May-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jun-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jul-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Aug-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Sep-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-17	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jan-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Feb-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Mar-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Apr-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	May-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jun-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jul-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Aug-18	XAM	F

10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Sep-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-18	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jan-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Feb-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Mar-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Apr-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	May-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jun-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jul-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Aug-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Sep-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-19	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jan-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Feb-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Mar-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Apr-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	May-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jun-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jul-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Aug-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Sep-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-20	XAM	F

10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-20	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jan-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Feb-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Mar-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Apr-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	May-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jun-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Jul-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Aug-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Sep-21	XAM	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-21	XAM	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-16	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jan-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Feb-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Mar-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Apr-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	May-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jun-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jul-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Aug-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Sep-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-17	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-17	XAN	F

10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jan-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Feb-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Mar-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Apr-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	May-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jun-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jul-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Aug-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Sep-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-18	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jan-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Feb-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Mar-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Apr-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	May-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jun-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jul-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Aug-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Sep-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-19	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jan-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Feb-20	XAN	F

10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Mar-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Apr-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	May-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jun-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jul-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Aug-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Sep-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-20	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jan-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Feb-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Mar-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Apr-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	May-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jun-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Jul-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Aug-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Sep-21	XAN	F
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-21	XAN	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-16	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jan-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Feb-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Mar-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Apr-17	XAO	F

10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	May-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jun-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jul-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Aug-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Sep-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-17	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jan-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Feb-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Mar-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Apr-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	May-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jun-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jul-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Aug-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Sep-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-18	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jan-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Feb-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Mar-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Apr-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	May-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jun-19	XAO	F

10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jul-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Aug-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Sep-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-19	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jan-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Feb-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Mar-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Apr-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	May-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jun-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jul-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Aug-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Sep-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-20	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jan-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Feb-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Mar-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Apr-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	May-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jun-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Jul-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Aug-21	XAO	F

10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Sep-21	XAO	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-21	XAO	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-16	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jan-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Feb-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Mar-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Apr-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	May-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jun-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jul-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Aug-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Sep-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-17	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jan-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Feb-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Mar-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Apr-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	May-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jun-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jul-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Aug-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Sep-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-18	XAP	F

10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-18	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jan-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Feb-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Mar-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Apr-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	May-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jun-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jul-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Aug-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Sep-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-19	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jan-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Feb-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Mar-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Apr-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	May-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jun-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jul-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Aug-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Sep-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-20	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-20	XAP	F

10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jan-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Feb-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Mar-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Apr-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	May-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jun-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Jul-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Aug-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Sep-21	XAP	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-21	XAP	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-16	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jan-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Feb-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Mar-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Apr-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	May-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jun-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jul-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Aug-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Sep-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-17	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jan-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Feb-18	XAQ	F

10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Mar-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Apr-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	May-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jun-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jul-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Aug-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Sep-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-18	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jan-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Feb-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Mar-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Apr-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	May-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jun-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jul-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Aug-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Sep-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-19	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jan-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Feb-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Mar-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Apr-20	XAQ	F

10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	May-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jun-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jul-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Aug-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Sep-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-20	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jan-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Feb-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Mar-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Apr-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	May-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jun-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Jul-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Aug-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Sep-21	XAQ	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-21	XAQ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-16	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jan-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Feb-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Mar-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Apr-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	May-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jun-17	XAR	F

10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jul-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Aug-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Sep-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-17	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jan-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Feb-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Mar-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Apr-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	May-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jun-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jul-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Aug-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Sep-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-18	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jan-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Feb-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Mar-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Apr-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	May-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jun-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jul-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Aug-19	XAR	F

10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Sep-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-19	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jan-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Feb-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Mar-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Apr-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	May-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jun-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jul-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Aug-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Sep-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-20	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jan-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Feb-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Mar-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Apr-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	May-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jun-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Jul-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Aug-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Sep-21	XAR	F
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-21	XAR	F

10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-16	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jan-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Feb-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Mar-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Apr-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	May-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jun-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jul-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Aug-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Sep-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-17	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jan-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Feb-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Mar-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Apr-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	May-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jun-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jul-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Aug-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Sep-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-18	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-18	XAS	F

10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jan-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Feb-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Mar-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Apr-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	May-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jun-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jul-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Aug-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Sep-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-19	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jan-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Feb-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Mar-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Apr-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	May-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jun-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jul-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Aug-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Sep-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-20	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jan-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Feb-21	XAS	F

10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Mar-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Apr-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	May-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jun-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Jul-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Aug-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Sep-21	XAS	F
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-21	XAS	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jan-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Feb-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Mar-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Apr-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	May-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jun-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jul-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Aug-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Sep-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-17	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jan-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Feb-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Mar-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Apr-18	XAT	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	May-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jun-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jul-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Aug-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Sep-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-18	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jan-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Feb-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Mar-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Apr-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	May-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jun-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jul-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Aug-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Sep-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-19	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jan-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Feb-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Mar-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Apr-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	May-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jun-20	XAT	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jul-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Aug-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Sep-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-20	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jan-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Feb-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Mar-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Apr-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	May-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jun-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Jul-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Aug-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Sep-21	XAT	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-21	XAT	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-16	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jan-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Feb-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Mar-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Apr-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	May-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jun-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jul-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Aug-17	XAU	F

10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Sep-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-17	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jan-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Feb-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Mar-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Apr-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	May-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jun-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jul-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Aug-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Sep-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-18	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jan-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Feb-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Mar-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Apr-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	May-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jun-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jul-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Aug-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Sep-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-19	XAU	F

10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-19	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jan-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Feb-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Mar-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Apr-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	May-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jun-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jul-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Aug-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Sep-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-20	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jan-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Feb-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Mar-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Apr-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	May-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jun-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Jul-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Aug-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Sep-21	XAU	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-21	XAU	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XAV	F

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jan-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Feb-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Mar-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Apr-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	May-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jun-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jul-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Aug-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Sep-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-17	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jan-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Feb-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Mar-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Apr-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	May-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jun-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jul-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Aug-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Sep-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-18	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jan-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Feb-19	XAV	F

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Mar-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Apr-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	May-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jun-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jul-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Aug-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Sep-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-19	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jan-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Feb-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Mar-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Apr-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	May-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jun-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jul-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Aug-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Sep-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-20	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jan-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Feb-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Mar-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Apr-21	XAV	F

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	May-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jun-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Jul-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Aug-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Sep-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-21	XAV	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-17	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-18	XAW	F

10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-18	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-19	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-20	XAW	F

10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-20	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-21	XAW	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-21	XAW	F
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D

10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D

10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Dec-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Dec-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Dec-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Dec-16	XAX	D
10/4/16	Dominion-North	NG Firm Phys, FP	Dec-16	XAX	D

10/4/16	Dominion-North	NG Firm Phys, FP	Dec-16	XAX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-16	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jan-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Feb-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Mar-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Apr-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	May-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jun-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jul-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Aug-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Sep-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-17	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jan-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Feb-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Mar-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Apr-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	May-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jun-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jul-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Aug-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Sep-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-18	XAY	F

10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-18	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jan-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Feb-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Mar-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Apr-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	May-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jun-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jul-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Aug-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Sep-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-19	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jan-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Feb-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Mar-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Apr-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	May-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jun-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jul-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Aug-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Sep-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-20	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jan-21	XAY	F

10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Feb-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Mar-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Apr-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	May-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jun-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Jul-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Aug-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Sep-21	XAY	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-21	XAY	F
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	XAZ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Oct-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Nov-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 2a NGX (US/MM)	Dec-16	XBA	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Oct-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Nov-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-16	XBB	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 4a NGX (CA/GJ)	Dec-16	XBB	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XBC	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D

10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
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10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	XBD	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBG	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D

10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Oct-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D

10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Nov-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-16	XBH	D
10/4/16	AB-NIT	NGX Phys FUT, FP (US/MM)	Dec-16	XBH	D
10/4/16	Dominion-North	NG Firm Phys, FP	Nov-16	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Dec-16	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Jan-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Feb-17	XBI	F

10/4/16	Dominion-North	NG Firm Phys, FP	Mar-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Apr-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	May-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Jun-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Jul-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Aug-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Sep-17	XBI	F
10/4/16	Dominion-North	NG Firm Phys, FP	Oct-17	XBI	F
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D

10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D

10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBJ	D
10/4/16	AB-NIT	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBJ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-16	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jan-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Feb-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Mar-17	XBQ	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Apr-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	May-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jun-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jul-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Aug-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Sep-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-17	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jan-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Feb-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Mar-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Apr-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	May-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jun-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jul-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Aug-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Sep-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-18	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jan-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Feb-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Mar-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Apr-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	May-19	XBQ	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jun-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jul-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Aug-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Sep-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-19	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jan-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Feb-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Mar-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Apr-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	May-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jun-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jul-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Aug-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Sep-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-20	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jan-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Feb-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Mar-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Apr-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	May-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jun-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Jul-21	XBQ	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Aug-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Sep-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-21	XBQ	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-17	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-18	XBR	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-18	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-19	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-20	XBR	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-20	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-21	XBR	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBS	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	XBS	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Nov-16	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Dec-16	XBT	F

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jan-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Feb-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Mar-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Apr-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	May-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jun-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jul-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Aug-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Sep-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Oct-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Nov-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Dec-17	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jan-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Feb-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Mar-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Apr-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	May-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jun-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jul-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Aug-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Sep-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Oct-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Nov-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Dec-18	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jan-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Feb-19	XBT	F

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Mar-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Apr-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	May-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jun-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jul-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Aug-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Sep-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Oct-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Nov-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Dec-19	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jan-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Feb-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Mar-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Apr-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	May-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jun-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jul-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Aug-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Sep-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Oct-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Nov-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Dec-20	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jan-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Feb-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Mar-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Apr-21	XBT	F

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	May-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jun-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Jul-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Aug-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Sep-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, IF (US/MM)	Oct-21	XBT	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-16	XBV	D
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-16	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-16	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jan-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Feb-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Mar-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Apr-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	May-17	XBW	F

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jun-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jul-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Aug-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Sep-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-17	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jan-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Feb-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Mar-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Apr-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	May-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jun-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jul-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Aug-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Sep-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-18	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jan-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Feb-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Mar-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Apr-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	May-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jun-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jul-19	XBW	F

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Aug-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Sep-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-19	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jan-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Feb-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Mar-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Apr-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	May-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jun-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jul-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Aug-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Sep-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Nov-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Dec-20	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jan-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Feb-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Mar-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Apr-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	May-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jun-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Jul-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Aug-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Sep-21	XBW	F

10/4/16	Spectra - Hunt	NGX Phys FUT, ID, GD (US/MM)	Oct-21	XBW	F
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D

10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Oct-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D

10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Nov-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-16	XBX	D
10/4/16	Spectra - Hunt	NGX Phys FUT, FP (US/MM)	Dec-16	XBX	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XBY	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Oct-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Nov-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-16	XBZ	D
10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-16	XBZ	D

10/4/16	Spectra - Stn 2	NGX Phys FUT, FP (US/MM)	Dec-16	XBZ	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D

10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Oct-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D

10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Nov-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-16	XCA	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, FP (US/MM)	Dec-16	XCA	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D

10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Oct-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D

10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Nov-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-16	XCB	D
10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-16	XCB	D

10/4/16	TCPL - Emerson 2	NGX Phys FUT, FP (US/MM)	Dec-16	XCB	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D

10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D

10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCC	D
10/4/16	TCPL - Empress	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCC	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D

10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Oct-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D

10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Nov-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-16	XCD	D
10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-16	XCD	D

10/4/16	TCPL - Iroquois	NGX Phys FUT, FP (US/MM)	Dec-16	XCD	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D

10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Oct-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D

10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Nov-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-16	XCE	D
10/4/16	TCPL - Niagara	NGX Phys FUT, FP (US/MM)	Dec-16	XCE	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D

10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Oct-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D

10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Nov-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-16	XCF	D
10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-16	XCF	D

10/4/16	TCPL - St. Clair	NGX Phys FUT, FP (US/MM)	Dec-16	XCF	D
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XCG	F

10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XCG	F

10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XCG	F
10/4/16	TCPL - Chippawa	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XCG	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XCH	F

10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XCH	F

10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XCH	F
10/4/16	TCPL - Emerson 2	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XCH	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XCI	F

10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XCI	F

10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XCI	F
10/4/16	TCPL - Iroquois	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XCI	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XCJ	F

10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XCJ	F

10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XCJ	F

10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XCJ	F
10/4/16	TCPL - Niagara	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XCJ	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XCK	F

10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XCK	F

10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XCK	F
10/4/16	TCPL - St. Clair	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XCK	F
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Oct-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D

10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Nov-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Dawn	NGX Phys FUT, FP (US/MM)	Dec-16	XCL	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D

10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Oct-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D

10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Nov-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-16	XCM	D

10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-16	XCM	D
10/4/16	Union-Parkway	NGX Phys FUT, FP (US/MM)	Dec-16	XCM	D
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XCN	F

10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XCN	F

10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XCN	F
10/4/16	Union-Dawn	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XCN	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XCO	F

10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XCO	F

10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XCO	F
10/4/16	Union-Parkway	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XCO	F
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D

10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Oct-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D

10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Nov-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCP	D

10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCP	D
10/4/16	TEP	NGX Phys FUT, FP (CA/GJ)	Dec-16	XCP	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-17	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-18	XCQ	F

10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-18	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-19	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-20	XCQ	F

10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-20	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-21	XCQ	F
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D

10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D

10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XCR	D
10/4/16	TEP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	XCR	D

10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-16	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jan-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Feb-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Mar-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Apr-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	May-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jun-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jul-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Aug-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Sep-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-17	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jan-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Feb-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Mar-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Apr-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	May-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jun-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jul-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Aug-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Sep-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-18	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-18	XCS	F

10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jan-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Feb-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Mar-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Apr-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	May-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jun-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jul-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Aug-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Sep-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-19	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jan-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Feb-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Mar-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Apr-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	May-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jun-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jul-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Aug-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Sep-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-20	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jan-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Feb-21	XCS	F

10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Mar-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Apr-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	May-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jun-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Jul-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Aug-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Sep-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-21	XCS	F
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D

10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Oct-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D

10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Nov-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-16	XCT	D
10/4/16	Union-Dawn	NGX Phys FUT, ID, Day Ahead (US/MM)	Dec-16	XCT	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Oct-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D

10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Nov-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XDM	D
10/4/16	AB-NIT	NGX Phys FUT, FP (CA/GJ)	Dec-16	XDM	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Dec-16	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Jan-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Feb-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Mar-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Apr-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	May-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Jun-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Jul-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Aug-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Sep-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-17	XDR	F
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D

10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Oct-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D

10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D

10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Nov-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Dec-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Dec-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Dec-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Dec-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Dec-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, FP	Dec-16	XDS	D
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Nov-16	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Dec-16	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Jan-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Feb-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Mar-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Apr-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	May-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Jun-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Jul-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Aug-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Sep-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Oct-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Nov-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Dec-17	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Jan-18	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Feb-18	XDX	F
10/4/16	Moss Bluff Inter	NG Firm Phys, BS, LD1	Mar-18	XDX	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Nov-16	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Dec-16	XGA	F

10/4/16	Henry	NG Firm Phys, BS, LD1	Jan-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Feb-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Mar-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Apr-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	May-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Jun-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Jul-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Aug-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Sep-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Oct-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Nov-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Dec-17	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Jan-18	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Feb-18	XGA	F
10/4/16	Henry	NG Firm Phys, BS, LD1	Mar-18	XGA	F
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Dec-16	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Jan-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Feb-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Mar-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Apr-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	May-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Jun-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Jul-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Aug-17	XGB	F
10/4/16	Henry	NG Firm Phys, FP	Sep-17	XGB	F

10/4/16	Henry	NG Firm Phys, FP	Oct-17	XGB	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Dec-16	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Jan-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Feb-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Mar-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Apr-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	May-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Jun-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Jul-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Aug-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Sep-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-17	XGC	F
10/4/16	Henry	NG Firm Phys, ID, IF	Nov-16	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Dec-16	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jan-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Feb-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Mar-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Apr-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	May-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jun-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jul-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Aug-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Sep-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Oct-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Nov-17	XGD	F

10/4/16	Henry	NG Firm Phys, ID, IF	Dec-17	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jan-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Feb-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Mar-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Apr-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	May-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jun-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jul-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Aug-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Sep-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Oct-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Nov-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Dec-18	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jan-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Feb-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Mar-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Apr-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	May-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jun-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Jul-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Aug-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Sep-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Oct-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Nov-19	XGD	F
10/4/16	Henry	NG Firm Phys, ID, IF	Dec-19	XGD	F
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D

10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D

10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Oct-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D

10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Nov-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Dec-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Dec-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Dec-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Dec-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Dec-16	XGF	D
10/4/16	Henry	NG Firm Phys, FP	Dec-16	XGF	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D

10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Oct-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D

10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Nov-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Dec-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Dec-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Dec-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Dec-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Dec-16	XGG	D
10/4/16	Henry	NG Firm Phys, ID, GDD	Dec-16	XGG	D
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Nov-16	XGI	F

10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Dec-16	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Jan-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Feb-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Mar-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Apr-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	May-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Jun-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Jul-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Aug-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Sep-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Oct-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Nov-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Dec-17	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Jan-18	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Feb-18	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, BS, LD1	Mar-18	XGI	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Dec-16	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Jan-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Feb-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Mar-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Apr-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	May-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Jun-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Jul-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Aug-17	XGJ	F

10/4/16	GTN-Malin	NG Firm Phys, FP	Sep-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-17	XGJ	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Dec-16	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Jan-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Feb-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Mar-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Apr-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	May-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Jun-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Jul-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Aug-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Sep-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-17	XGK	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Nov-16	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Dec-16	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jan-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Feb-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Mar-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Apr-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	May-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jun-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jul-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Aug-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Sep-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Oct-17	XGL	F

10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Nov-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Dec-17	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jan-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Feb-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Mar-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Apr-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	May-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jun-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jul-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Aug-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Sep-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Oct-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Nov-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Dec-18	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jan-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Feb-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Mar-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Apr-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	May-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jun-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Jul-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Aug-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Sep-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Oct-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Nov-19	XGL	F
10/4/16	GTN-Malin	NG Firm Phys, ID, NGI	Dec-19	XGL	F

10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D

10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Oct-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D

10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Nov-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Dec-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Dec-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Dec-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Dec-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Dec-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, FP	Dec-16	XGN	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D

10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Oct-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D

10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Nov-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Dec-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Dec-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Dec-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Dec-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Dec-16	XGO	D
10/4/16	GTN-Malin	NG Firm Phys, ID, GDD	Dec-16	XGO	D

10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Nov-16	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Dec-16	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Jan-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Feb-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Mar-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Apr-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	May-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Jun-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Jul-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Aug-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Sep-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Oct-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Nov-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Dec-17	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Jan-18	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Feb-18	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, BS, LD1	Mar-18	XGQ	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Dec-16	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Jan-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Feb-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Mar-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Apr-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	May-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Jun-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Jul-17	XGR	F

10/4/16	PG&E-Citygate	NG Firm Phys, FP	Aug-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Sep-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-17	XGR	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Dec-16	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Jan-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Feb-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Mar-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Apr-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	May-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Jun-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Jul-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Aug-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Sep-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-17	XGS	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Nov-16	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Dec-16	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jan-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Feb-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Mar-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Apr-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	May-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jun-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jul-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Aug-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Sep-17	XGT	F

10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Oct-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Nov-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Dec-17	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jan-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Feb-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Mar-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Apr-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	May-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jun-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jul-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Aug-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Sep-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Oct-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Nov-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Dec-18	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jan-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Feb-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Mar-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Apr-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	May-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jun-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Jul-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Aug-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Sep-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Oct-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Nov-19	XGT	F

10/4/16	PG&E-Citygate	NG Firm Phys, ID, NGI	Dec-19	XGT	F
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D

10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Oct-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D

10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Nov-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Dec-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Dec-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Dec-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Dec-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Dec-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, FP	Dec-16	XGV	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D

10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Oct-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D

10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Nov-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Dec-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Dec-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Dec-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Dec-16	XGW	D
10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Dec-16	XGW	D

10/4/16	PG&E-Citygate	NG Firm Phys, ID, GDD	Dec-16	XGW	D
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XIA	F

10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XIA	F

10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XIA	F
10/4/16	Spectra - Hunt	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XIA	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-16	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-16	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-17	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-18	XIB	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-18	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-19	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-20	XIB	F

10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-20	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-21	XIB	F
10/4/16	Spectra - Stn 2	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-21	XIB	F
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D

10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
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10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Oct-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
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10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D

10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
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10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Dec-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Dec-16	XIH	D

10/4/16	Panhandle	NG Firm Phys, FP	Dec-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Dec-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Dec-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Dec-16	XIH	D
10/4/16	Panhandle	NG Firm Phys, FP	Nov-16	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Dec-16	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Jan-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Feb-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Mar-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Apr-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	May-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Jun-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Jul-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Aug-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Sep-17	XII	F
10/4/16	Panhandle	NG Firm Phys, FP	Oct-17	XII	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D

10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D

10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Dec-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Dec-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Dec-16	XIJ	D

10/4/16	Panhandle	NG Firm Phys, ID, GDD	Dec-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Dec-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Dec-16	XIJ	D
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Nov-16	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Dec-16	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Jan-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Feb-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Mar-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Apr-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	May-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Jun-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Jul-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Aug-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Sep-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, ID, GDD	Oct-17	XIK	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Nov-16	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Dec-16	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Jan-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Feb-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Mar-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Apr-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	May-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Jun-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Jul-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Aug-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Sep-17	XIL	F

10/4/16	Panhandle	NG Firm Phys, BS, LD1	Oct-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Nov-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Dec-17	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Jan-18	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Feb-18	XIL	F
10/4/16	Panhandle	NG Firm Phys, BS, LD1	Mar-18	XIL	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Nov-16	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Dec-16	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jan-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Feb-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Mar-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Apr-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	May-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jun-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jul-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Aug-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Sep-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Oct-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Nov-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Dec-17	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jan-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Feb-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Mar-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Apr-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	May-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jun-18	XIM	F

10/4/16	Panhandle	NG Firm Phys, ID, IF	Jul-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Aug-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Sep-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Oct-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Nov-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Dec-18	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jan-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Feb-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Mar-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Apr-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	May-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jun-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Jul-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Aug-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Sep-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Oct-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Nov-19	XIM	F
10/4/16	Panhandle	NG Firm Phys, ID, IF	Dec-19	XIM	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D

10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D

10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Dec-16	XIN	D

10/4/16	NNG-Demarc	NG Firm Phys, FP	Dec-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Dec-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Dec-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Dec-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Dec-16	XIN	D
10/4/16	NNG-Demarc	NG Firm Phys, FP	Nov-16	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Dec-16	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Jan-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Feb-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Mar-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Apr-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	May-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Jun-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Jul-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Aug-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Sep-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, FP	Oct-17	XIO	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D

10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D

10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Dec-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Dec-16	XIP	D

10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Dec-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Dec-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Dec-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Dec-16	XIP	D
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Nov-16	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Dec-16	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Jan-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Feb-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Mar-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Apr-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	May-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Jun-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Jul-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Aug-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Sep-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, GDD	Oct-17	XIQ	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Nov-16	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Dec-16	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Jan-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Feb-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Mar-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Apr-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	May-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Jun-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Jul-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Aug-17	XIR	F

10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Sep-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Oct-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Nov-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Dec-17	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Jan-18	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Feb-18	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, BS, LD1	Mar-18	XIR	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Nov-16	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Dec-16	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jan-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Feb-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Mar-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Apr-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	May-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jun-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jul-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Aug-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Sep-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Oct-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Nov-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Dec-17	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jan-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Feb-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Mar-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Apr-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	May-18	XIS	F

10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jun-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jul-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Aug-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Sep-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Oct-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Nov-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Dec-18	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jan-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Feb-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Mar-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Apr-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	May-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jun-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Jul-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Aug-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Sep-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Oct-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Nov-19	XIS	F
10/4/16	NNG-Demarc	NG Firm Phys, ID, IF	Dec-19	XIS	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D

10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D

10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIT	D

10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Dec-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Dec-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Dec-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Dec-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Dec-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Dec-16	XIT	D
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Nov-16	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Dec-16	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Jan-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Feb-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Mar-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Apr-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	May-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Jun-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Jul-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Aug-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Sep-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, FP	Oct-17	XIU	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D

10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D

10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Dec-16	XIV	D

10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Dec-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Dec-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Dec-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Dec-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Dec-16	XIV	D
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Nov-16	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Dec-16	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Jan-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Feb-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Mar-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Apr-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	May-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Jun-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Jul-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Aug-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Sep-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, GDD	Oct-17	XIW	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Nov-16	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Dec-16	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Jan-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Feb-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Mar-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Apr-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	May-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Jun-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Jul-17	XIX	F

10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Aug-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Sep-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Oct-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Nov-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Dec-17	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Jan-18	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Feb-18	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, BS, LD1	Mar-18	XIX	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Nov-16	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Dec-16	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jan-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Feb-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Mar-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Apr-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	May-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jun-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jul-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Aug-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Sep-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Oct-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Nov-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Dec-17	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jan-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Feb-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Mar-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Apr-18	XIY	F

10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	May-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jun-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jul-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Aug-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Sep-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Oct-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Nov-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Dec-18	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jan-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Feb-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Mar-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Apr-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	May-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jun-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Jul-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Aug-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Sep-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Oct-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Nov-19	XIY	F
10/4/16	NGPL-TXOK East	NG Firm Phys, ID, IF	Dec-19	XIY	F
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D

10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Oct-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D

10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D

10/4/16	TCO	NG Firm Phys, FP	Nov-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Dec-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Dec-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Dec-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Dec-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Dec-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Dec-16	XIZ	D
10/4/16	TCO	NG Firm Phys, FP	Nov-16	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Dec-16	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Jan-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Feb-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Mar-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Apr-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	May-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Jun-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Jul-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Aug-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Sep-17	XJA	F
10/4/16	TCO	NG Firm Phys, FP	Oct-17	XJA	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D

10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D

10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJB	D

10/4/16	TCO	NG Firm Phys, ID, GDD	Dec-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Dec-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Dec-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Dec-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Dec-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Dec-16	XJB	D
10/4/16	TCO	NG Firm Phys, ID, GDD	Nov-16	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Dec-16	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Jan-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Feb-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Mar-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Apr-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	May-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Jun-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Jul-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Aug-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Sep-17	XJC	F
10/4/16	TCO	NG Firm Phys, ID, GDD	Oct-17	XJC	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Nov-16	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Dec-16	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Jan-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Feb-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Mar-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Apr-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	May-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Jun-17	XJD	F

10/4/16	TCO	NG Firm Phys, BS, LD1	Jul-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Aug-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Sep-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Oct-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Nov-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Dec-17	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Jan-18	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Feb-18	XJD	F
10/4/16	TCO	NG Firm Phys, BS, LD1	Mar-18	XJD	F
10/4/16	TCO	NG Firm Phys, ID, IF	Nov-16	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Dec-16	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jan-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Feb-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Mar-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Apr-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	May-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jun-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jul-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Aug-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Sep-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Oct-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Nov-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Dec-17	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jan-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Feb-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Mar-18	XJE	F

10/4/16	TCO	NG Firm Phys, ID, IF	Apr-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	May-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jun-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jul-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Aug-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Sep-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Oct-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Nov-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Dec-18	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jan-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Feb-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Mar-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Apr-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	May-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jun-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Jul-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Aug-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Sep-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Oct-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Nov-19	XJE	F
10/4/16	TCO	NG Firm Phys, ID, IF	Dec-19	XJE	F
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D

10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Oct-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D

10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D

10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Dec-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Dec-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Dec-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Dec-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Dec-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Dec-16	XJF	D
10/4/16	Transco-65	NG Firm Phys, FP	Nov-16	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Dec-16	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Jan-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Feb-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Mar-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Apr-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	May-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Jun-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Jul-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Aug-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Sep-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, FP	Oct-17	XJG	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D

10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D

10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D

10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Dec-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Dec-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Dec-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Dec-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Dec-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Dec-16	XJH	D
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Nov-16	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Dec-16	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Jan-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Feb-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Mar-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Apr-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	May-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Jun-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Jul-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Aug-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Sep-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, ID, GDD	Oct-17	XJI	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Nov-16	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Dec-16	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Jan-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Feb-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Mar-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Apr-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	May-17	XJJ	F

10/4/16	Transco-65	NG Firm Phys, BS, LD1	Jun-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Jul-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Aug-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Sep-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Oct-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Nov-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Dec-17	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Jan-18	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Feb-18	XJJ	F
10/4/16	Transco-65	NG Firm Phys, BS, LD1	Mar-18	XJJ	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Nov-16	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Dec-16	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jan-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Feb-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Mar-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Apr-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	May-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jun-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jul-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Aug-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Sep-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Oct-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Nov-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Dec-17	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jan-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Feb-18	XJK	F

10/4/16	Transco-65	NG Firm Phys, ID, IF	Mar-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Apr-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	May-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jun-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jul-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Aug-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Sep-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Oct-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Nov-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Dec-18	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jan-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Feb-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Mar-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Apr-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	May-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jun-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Jul-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Aug-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Sep-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Oct-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Nov-19	XJK	F
10/4/16	Transco-65	NG Firm Phys, ID, IF	Dec-19	XJK	F
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D

10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D

10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D

10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Dec-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Dec-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Dec-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Dec-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Dec-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Dec-16	XJL	D
10/4/16	Dominion-South	NG Firm Phys, FP	Nov-16	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Dec-16	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Jan-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Feb-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Mar-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Apr-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	May-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Jun-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Jul-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Aug-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Sep-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, FP	Oct-17	XJM	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D

10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
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10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D

10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
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10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
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10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D

10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Dec-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Dec-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Dec-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Dec-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Dec-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Dec-16	XJN	D
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Nov-16	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Dec-16	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Jan-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Feb-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Mar-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Apr-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	May-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Jun-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Jul-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Aug-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Sep-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, ID, GDD	Oct-17	XJO	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Nov-16	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Dec-16	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Jan-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Feb-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Mar-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Apr-17	XJP	F

10/4/16	Dominion-South	NG Firm Phys, BS, LD1	May-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Jun-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Jul-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Aug-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Sep-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Oct-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Nov-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Dec-17	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Jan-18	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Feb-18	XJP	F
10/4/16	Dominion-South	NG Firm Phys, BS, LD1	Mar-18	XJP	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Nov-16	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Dec-16	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jan-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Feb-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Mar-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Apr-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	May-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jun-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jul-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Aug-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Sep-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Oct-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Nov-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Dec-17	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jan-18	XJQ	F

10/4/16	Dominion-South	NG Firm Phys, ID, IF	Feb-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Mar-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Apr-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	May-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jun-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jul-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Aug-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Sep-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Oct-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Nov-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Dec-18	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jan-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Feb-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Mar-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Apr-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	May-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jun-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Jul-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Aug-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Sep-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Oct-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Nov-19	XJQ	F
10/4/16	Dominion-South	NG Firm Phys, ID, IF	Dec-19	XJQ	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D

10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-16	XJR	D

10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D

10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Dec-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Dec-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Dec-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Dec-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Dec-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Dec-16	XJR	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Nov-16	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Dec-16	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Jan-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Feb-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Mar-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Apr-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	May-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Jun-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Jul-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Aug-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Sep-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, FP	Oct-17	XJS	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D

10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D

10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D

10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Dec-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Dec-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Dec-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Dec-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Dec-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Dec-16	XJT	D
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Nov-16	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Dec-16	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Jan-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Feb-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Mar-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Apr-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	May-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Jun-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Jul-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Aug-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Sep-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, GDD	Oct-17	XJU	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Nov-16	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Dec-16	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Jan-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Feb-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Mar-17	XJV	F

10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Apr-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	May-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Jun-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Jul-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Aug-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Sep-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Oct-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Nov-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Dec-17	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Jan-18	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Feb-18	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, BS, LD1	Mar-18	XJV	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Nov-16	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Dec-16	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jan-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Feb-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Mar-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Apr-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	May-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jun-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jul-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Aug-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Sep-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Oct-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Nov-17	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Dec-17	XJW	F

10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jan-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Feb-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Mar-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Apr-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	May-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jun-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jul-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Aug-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Sep-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Oct-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Nov-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Dec-18	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jan-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Feb-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Mar-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Apr-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	May-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jun-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Jul-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Aug-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Sep-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Oct-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Nov-19	XJW	F
10/4/16	NGPL-Midcont Pool	NG Firm Phys, ID, IF	Dec-19	XJW	F
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D

10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D

10/4/16	Michcon	NG Firm Phys, FP	Oct-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D

10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Dec-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Dec-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Dec-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Dec-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Dec-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Dec-16	XJZ	D
10/4/16	Michcon	NG Firm Phys, FP	Nov-16	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Dec-16	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Jan-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Feb-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Mar-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Apr-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	May-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Jun-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Jul-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Aug-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Sep-17	XKA	F
10/4/16	Michcon	NG Firm Phys, FP	Oct-17	XKA	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D

10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
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10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
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10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
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10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-16	XKB	D

10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
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10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D

10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Dec-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Dec-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Dec-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Dec-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Dec-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Dec-16	XKB	D
10/4/16	Michcon	NG Firm Phys, ID, GDD	Nov-16	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Dec-16	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Jan-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Feb-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Mar-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Apr-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	May-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Jun-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Jul-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Aug-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Sep-17	XKC	F
10/4/16	Michcon	NG Firm Phys, ID, GDD	Oct-17	XKC	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Nov-16	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Dec-16	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Jan-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Feb-17	XKD	F

10/4/16	Michcon	NG Firm Phys, BS, LD1	Mar-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Apr-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	May-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Jun-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Jul-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Aug-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Sep-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Oct-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Nov-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Dec-17	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Jan-18	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Feb-18	XKD	F
10/4/16	Michcon	NG Firm Phys, BS, LD1	Mar-18	XKD	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Nov-16	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Dec-16	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jan-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Feb-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Mar-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Apr-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	May-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jun-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jul-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Aug-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Sep-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Oct-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Nov-17	XKE	F

10/4/16	Michcon	NG Firm Phys, ID, IF	Dec-17	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jan-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Feb-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Mar-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Apr-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	May-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jun-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jul-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Aug-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Sep-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Oct-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Nov-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Dec-18	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jan-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Feb-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Mar-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Apr-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	May-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jun-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Jul-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Aug-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Sep-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Oct-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Nov-19	XKE	F
10/4/16	Michcon	NG Firm Phys, ID, IF	Dec-19	XKE	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D

10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D

10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D

10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Dec-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Dec-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Dec-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Dec-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Dec-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Dec-16	XKF	D
10/4/16	Socal-Citygate	NG Firm Phys, FP	Nov-16	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Dec-16	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Jan-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Feb-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Mar-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Apr-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	May-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Jun-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Jul-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Aug-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Sep-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, FP	Oct-17	XKG	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D

10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D

10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D

10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Dec-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Dec-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Dec-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Dec-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Dec-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Dec-16	XKH	D
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Nov-16	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Dec-16	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Jan-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Feb-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Mar-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Apr-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	May-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Jun-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Jul-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Aug-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Sep-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, GDD	Oct-17	XKI	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Nov-16	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Dec-16	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Jan-17	XKJ	F

10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Feb-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Mar-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Apr-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	May-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Jun-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Jul-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Aug-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Sep-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Oct-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Nov-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Dec-17	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Jan-18	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Feb-18	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, BS, LD1	Mar-18	XKJ	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Nov-16	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Dec-16	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jan-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Feb-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Mar-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Apr-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	May-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jun-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jul-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Aug-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Sep-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Oct-17	XKK	F

10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Nov-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Dec-17	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jan-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Feb-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Mar-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Apr-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	May-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jun-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jul-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Aug-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Sep-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Oct-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Nov-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Dec-18	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jan-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Feb-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Mar-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Apr-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	May-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jun-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Jul-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Aug-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Sep-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Oct-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Nov-19	XKK	F
10/4/16	Socal-Citygate	NG Firm Phys, ID, NGI	Dec-19	XKK	F

10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D

10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D

10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Dec-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Dec-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Dec-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Dec-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Dec-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Dec-16	XLA	D
10/4/16	CG-Mainline	NG Firm Phys, FP	Nov-16	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Dec-16	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Jan-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Feb-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Mar-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Apr-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	May-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Jun-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Jul-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Aug-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Sep-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, FP	Oct-17	XLB	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D

10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D

10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D

10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Dec-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Dec-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Dec-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Dec-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Dec-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Dec-16	XLC	D
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Nov-16	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Dec-16	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Jan-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Feb-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Mar-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Apr-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	May-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Jun-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Jul-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Aug-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Sep-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, ID, GDD	Oct-17	XLD	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Nov-16	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Dec-16	XLE	F

10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Jan-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Feb-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Mar-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Apr-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	May-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Jun-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Jul-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Aug-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Sep-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Oct-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Nov-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Dec-17	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Jan-18	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Feb-18	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, BS, LD1	Mar-18	XLE	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Nov-16	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Dec-16	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jan-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Feb-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Mar-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Apr-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	May-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jun-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jul-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Aug-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Sep-17	XLF	F

10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Oct-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Nov-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Dec-17	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jan-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Feb-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Mar-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Apr-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	May-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jun-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jul-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Aug-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Sep-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Oct-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Nov-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Dec-18	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jan-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Feb-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Mar-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Apr-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	May-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jun-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Jul-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Aug-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Sep-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Oct-19	XLF	F
10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Nov-19	XLF	F

10/4/16	CG-Mainline	NG Firm Phys, ID, IF	Dec-19	XLF	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D

10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D

10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Dec-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Dec-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Dec-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Dec-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Dec-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Dec-16	XLG	D
10/4/16	CG-Onshore	NG Firm Phys, FP	Nov-16	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Dec-16	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Jan-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Feb-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Mar-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Apr-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	May-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Jun-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Jul-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Aug-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Sep-17	XLH	F
10/4/16	CG-Onshore	NG Firm Phys, FP	Oct-17	XLH	F

10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D

10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D

10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Dec-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Dec-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Dec-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Dec-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Dec-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Dec-16	XLI	D
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Nov-16	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Dec-16	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Jan-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Feb-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Mar-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Apr-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	May-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Jun-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Jul-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Aug-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Sep-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, ID, GDD	Oct-17	XLJ	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Nov-16	XLK	F

10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Dec-16	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Jan-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Feb-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Mar-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Apr-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	May-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Jun-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Jul-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Aug-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Sep-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Oct-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Nov-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Dec-17	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Jan-18	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Feb-18	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, BS, LD1	Mar-18	XLK	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Nov-16	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Dec-16	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jan-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Feb-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Mar-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Apr-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	May-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jun-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jul-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Aug-17	XLL	F

10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Sep-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Oct-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Nov-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Dec-17	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jan-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Feb-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Mar-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Apr-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	May-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jun-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jul-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Aug-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Sep-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Oct-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Nov-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Dec-18	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jan-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Feb-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Mar-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Apr-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	May-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jun-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Jul-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Aug-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Sep-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Oct-19	XLL	F

10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Nov-19	XLL	F
10/4/16	CG-Onshore	NG Firm Phys, ID, IF	Dec-19	XLL	F
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D

10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Oct-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D

10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Dec-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Dec-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Dec-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Dec-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Dec-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Dec-16	XLM	D
10/4/16	TGP-500L	NG Firm Phys, FP	Nov-16	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Dec-16	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Jan-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Feb-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Mar-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Apr-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	May-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Jun-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Jul-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Aug-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, FP	Sep-17	XLN	F

10/4/16	TGP-500L	NG Firm Phys, FP	Oct-17	XLN	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D

10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D

10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Dec-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Dec-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Dec-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Dec-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Dec-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Dec-16	XLO	D
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Nov-16	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Dec-16	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Jan-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Feb-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Mar-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Apr-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	May-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Jun-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Jul-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Aug-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Sep-17	XLP	F
10/4/16	TGP-500L	NG Firm Phys, ID, GDD	Oct-17	XLP	F

10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Nov-16	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Dec-16	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Jan-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Feb-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Mar-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Apr-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	May-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Jun-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Jul-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Aug-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Sep-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Oct-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Nov-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Dec-17	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Jan-18	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Feb-18	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, BS, LD1	Mar-18	XLQ	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Nov-16	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Dec-16	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jan-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Feb-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Mar-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Apr-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	May-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jun-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jul-17	XLR	F

10/4/16	TGP-500L	NG Firm Phys, ID, IF	Aug-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Sep-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Oct-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Nov-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Dec-17	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jan-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Feb-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Mar-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Apr-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	May-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jun-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jul-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Aug-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Sep-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Oct-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Nov-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Dec-18	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jan-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Feb-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Mar-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Apr-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	May-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jun-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Jul-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Aug-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Sep-19	XLR	F

10/4/16	TGP-500L	NG Firm Phys, ID, IF	Oct-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Nov-19	XLR	F
10/4/16	TGP-500L	NG Firm Phys, ID, IF	Dec-19	XLR	F
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D

10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D

10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Dec-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Dec-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Dec-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Dec-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Dec-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Dec-16	XLS	D
10/4/16	TGP-800L	NG Firm Phys, FP	Nov-16	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Dec-16	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Jan-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Feb-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Mar-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Apr-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	May-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Jun-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Jul-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Aug-17	XLT	F

10/4/16	TGP-800L	NG Firm Phys, FP	Sep-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, FP	Oct-17	XLT	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D

10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D

10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Dec-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Dec-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Dec-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Dec-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Dec-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Dec-16	XLU	D
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Nov-16	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Dec-16	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Jan-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Feb-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Mar-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Apr-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	May-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Jun-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Jul-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Aug-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Sep-17	XLV	F

10/4/16	TGP-800L	NG Firm Phys, ID, GDD	Oct-17	XLV	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Nov-16	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Dec-16	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Jan-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Feb-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Mar-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Apr-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	May-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Jun-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Jul-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Aug-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Sep-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Oct-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Nov-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Dec-17	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Jan-18	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Feb-18	XLW	F
10/4/16	TGP-800L	NG Firm Phys, BS, LD1	Mar-18	XLW	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Nov-16	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Dec-16	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jan-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Feb-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Mar-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Apr-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	May-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jun-17	XLX	F

10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jul-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Aug-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Sep-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Oct-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Nov-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Dec-17	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jan-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Feb-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Mar-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Apr-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	May-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jun-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jul-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Aug-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Sep-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Oct-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Nov-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Dec-18	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jan-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Feb-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Mar-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Apr-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	May-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jun-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Jul-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Aug-19	XLX	F

10/4/16	TGP-800L	NG Firm Phys, ID, IF	Sep-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Oct-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Nov-19	XLX	F
10/4/16	TGP-800L	NG Firm Phys, ID, IF	Dec-19	XLX	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D

10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D

10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Dec-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Dec-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Dec-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Dec-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Dec-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Dec-16	XMB	D
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Nov-16	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Dec-16	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Jan-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Feb-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Mar-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Apr-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	May-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Jun-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Jul-17	XMC	F

10/4/16	Trunkline-ELA	NG Firm Phys, FP	Aug-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Sep-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, FP	Oct-17	XMC	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D

10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D

10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Dec-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Dec-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Dec-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Dec-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Dec-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Dec-16	XMD	D
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Nov-16	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Dec-16	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Jan-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Feb-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Mar-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Apr-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	May-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Jun-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Jul-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Aug-17	XME	F

10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Sep-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, GDD	Oct-17	XME	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Nov-16	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Dec-16	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Jan-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Feb-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Mar-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Apr-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	May-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Jun-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Jul-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Aug-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Sep-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Oct-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Nov-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Dec-17	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Jan-18	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Feb-18	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, BS, LD1	Mar-18	XMF	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Nov-16	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Dec-16	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jan-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Feb-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Mar-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Apr-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	May-17	XMG	F

10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jun-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jul-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Aug-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Sep-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Oct-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Nov-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Dec-17	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jan-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Feb-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Mar-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Apr-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	May-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jun-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jul-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Aug-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Sep-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Oct-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Nov-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Dec-18	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jan-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Feb-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Mar-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Apr-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	May-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jun-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Jul-19	XMG	F

10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Aug-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Sep-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Oct-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Nov-19	XMG	F
10/4/16	Trunkline-ELA	NG Firm Phys, ID, IF	Dec-19	XMG	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D

10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D

10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Dec-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Dec-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Dec-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Dec-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Dec-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Dec-16	XMH	D
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Nov-16	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Dec-16	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Jan-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Feb-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Mar-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Apr-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	May-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Jun-17	XMI	F

10/4/16	Trunkline-WLA	NG Firm Phys, FP	Jul-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Aug-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Sep-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, FP	Oct-17	XMI	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D

10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D

10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Dec-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Dec-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Dec-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Dec-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Dec-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Dec-16	XMJ	D
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Nov-16	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Dec-16	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Jan-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Feb-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Mar-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Apr-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	May-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Jun-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Jul-17	XMK	F

10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Aug-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Sep-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, GDD	Oct-17	XMK	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Nov-16	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Dec-16	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Jan-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Feb-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Mar-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Apr-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	May-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Jun-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Jul-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Aug-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Sep-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Oct-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Nov-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Dec-17	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Jan-18	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Feb-18	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, BS, LD1	Mar-18	XML	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Nov-16	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Dec-16	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jan-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Feb-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Mar-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Apr-17	XMM	F

10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	May-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jun-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jul-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Aug-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Sep-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Oct-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Nov-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Dec-17	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jan-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Feb-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Mar-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Apr-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	May-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jun-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jul-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Aug-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Sep-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Oct-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Nov-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Dec-18	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jan-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Feb-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Mar-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Apr-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	May-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jun-19	XMM	F

10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Jul-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Aug-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Sep-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Oct-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Nov-19	XMM	F
10/4/16	Trunkline-WLA	NG Firm Phys, ID, IF	Dec-19	XMM	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D

10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D

10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Dec-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Dec-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Dec-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Dec-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Dec-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Dec-16	XMN	D
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Nov-16	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Dec-16	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Jan-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Feb-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Mar-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Apr-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	May-17	XMO	F

10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Jun-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Jul-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Aug-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Sep-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, FP	Oct-17	XMO	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D

10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D

10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Dec-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Dec-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Dec-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Dec-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Dec-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Dec-16	XMP	D
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Nov-16	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Dec-16	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Jan-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Feb-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Mar-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Apr-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	May-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Jun-17	XMQ	F

10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Jul-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Aug-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Sep-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, GDD	Oct-17	XMQ	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Nov-16	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Dec-16	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Jan-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Feb-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Mar-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Apr-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	May-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Jun-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Jul-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Aug-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Sep-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Oct-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Nov-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Dec-17	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Jan-18	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Feb-18	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, BS, LD1	Mar-18	XMR	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Nov-16	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Dec-16	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jan-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Feb-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Mar-17	XMS	F

10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Apr-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	May-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jun-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jul-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Aug-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Sep-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Oct-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Nov-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Dec-17	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jan-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Feb-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Mar-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Apr-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	May-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jun-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jul-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Aug-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Sep-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Oct-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Nov-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Dec-18	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jan-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Feb-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Mar-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Apr-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	May-19	XMS	F

10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jun-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Jul-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Aug-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Sep-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Oct-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Nov-19	XMS	F
10/4/16	Trunkline-Z1A	NG Firm Phys, ID, IF	Dec-19	XMS	F
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
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10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D

10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
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10/4/16	Transco-30	NG Firm Phys, FP	Oct-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
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10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D

10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
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10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
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10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Dec-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Dec-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Dec-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Dec-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Dec-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Dec-16	XMT	D
10/4/16	Transco-30	NG Firm Phys, FP	Nov-16	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Dec-16	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Jan-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Feb-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Mar-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Apr-17	XMU	F

10/4/16	Transco-30	NG Firm Phys, FP	May-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Jun-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Jul-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Aug-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Sep-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, FP	Oct-17	XMU	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
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10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
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10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D

10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
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10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
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10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
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10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D

10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMV	D
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10/4/16	Transco-30	NG Firm Phys, ID, GDD	Dec-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Dec-16	XMV	D
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10/4/16	Transco-30	NG Firm Phys, ID, GDD	Dec-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Dec-16	XMV	D
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Nov-16	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Dec-16	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Jan-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Feb-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Mar-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Apr-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	May-17	XMW	F

10/4/16	Transco-30	NG Firm Phys, ID, GDD	Jun-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Jul-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Aug-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Sep-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, ID, GDD	Oct-17	XMW	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Nov-16	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Dec-16	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Jan-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Feb-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Mar-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Apr-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	May-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Jun-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Jul-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Aug-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Sep-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Oct-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Nov-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Dec-17	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Jan-18	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Feb-18	XMX	F
10/4/16	Transco-30	NG Firm Phys, BS, LD1	Mar-18	XMX	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Nov-16	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Dec-16	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jan-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Feb-17	XMY	F

10/4/16	Transco-30	NG Firm Phys, ID, IF	Mar-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Apr-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	May-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jun-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jul-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Aug-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Sep-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Oct-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Nov-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Dec-17	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jan-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Feb-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Mar-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Apr-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	May-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jun-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jul-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Aug-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Sep-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Oct-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Nov-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Dec-18	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jan-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Feb-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Mar-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Apr-19	XMY	F

10/4/16	Transco-30	NG Firm Phys, ID, IF	May-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jun-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Jul-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Aug-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Sep-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Oct-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Nov-19	XMY	F
10/4/16	Transco-30	NG Firm Phys, ID, IF	Dec-19	XMY	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D

10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D

10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Dec-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Dec-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Dec-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Dec-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Dec-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Dec-16	XMZ	D
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Nov-16	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Dec-16	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Jan-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Feb-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Mar-17	XNA	F

10/4/16	TETCO-M1 30	NG Firm Phys, FP	Apr-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	May-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Jun-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Jul-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Aug-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Sep-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, FP	Oct-17	XNA	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D

10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D

10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Dec-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Dec-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Dec-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Dec-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Dec-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Dec-16	XNB	D
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Nov-16	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Dec-16	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Jan-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Feb-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Mar-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Apr-17	XNC	F

10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	May-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Jun-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Jul-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Aug-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Sep-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, GDD	Oct-17	XNC	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Nov-16	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Dec-16	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Jan-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Feb-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Mar-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Apr-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	May-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Jun-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Jul-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Aug-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Sep-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Oct-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Nov-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Dec-17	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Jan-18	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Feb-18	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, BS, LD1	Mar-18	XND	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Nov-16	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Dec-16	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jan-17	XNE	F

10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Feb-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Mar-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Apr-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	May-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jun-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jul-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Aug-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Sep-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Oct-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Nov-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Dec-17	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jan-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Feb-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Mar-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Apr-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	May-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jun-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jul-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Aug-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Sep-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Oct-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Nov-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Dec-18	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jan-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Feb-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Mar-19	XNE	F

10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Apr-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	May-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jun-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Jul-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Aug-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Sep-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Oct-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Nov-19	XNE	F
10/4/16	TETCO-M1 30	NG Firm Phys, ID, IF	Dec-19	XNE	F
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D

10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Oct-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D

10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Dec-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Dec-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Dec-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Dec-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Dec-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Dec-16	XNL	D
10/4/16	Consumers	NG Firm Phys, FP	Nov-16	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Dec-16	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Jan-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Feb-17	XNM	F

10/4/16	Consumers	NG Firm Phys, FP	Mar-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Apr-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	May-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Jun-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Jul-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Aug-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Sep-17	XNM	F
10/4/16	Consumers	NG Firm Phys, FP	Oct-17	XNM	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D

10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D

10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Dec-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Dec-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Dec-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Dec-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Dec-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Dec-16	XNN	D
10/4/16	Consumers	NG Firm Phys, ID, GDD	Nov-16	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Dec-16	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Jan-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Feb-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Mar-17	XNO	F

10/4/16	Consumers	NG Firm Phys, ID, GDD	Apr-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	May-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Jun-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Jul-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Aug-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Sep-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, GDD	Oct-17	XNO	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Nov-16	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Dec-16	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jan-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Feb-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Mar-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Apr-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	May-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jun-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jul-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Aug-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Sep-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Oct-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Nov-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Dec-17	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jan-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Feb-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Mar-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Apr-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	May-18	XNP	F

10/4/16	Consumers	NG Firm Phys, ID, IF	Jun-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jul-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Aug-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Sep-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Oct-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Nov-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Dec-18	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jan-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Feb-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Mar-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Apr-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	May-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jun-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Jul-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Aug-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Sep-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Oct-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Nov-19	XNP	F
10/4/16	Consumers	NG Firm Phys, ID, IF	Dec-19	XNP	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Nov-16	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Dec-16	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Jan-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Feb-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Mar-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Apr-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	May-17	XNQ	F

10/4/16	Consumers	NG Firm Phys, BS, LD1	Jun-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Jul-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Aug-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Sep-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Oct-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Nov-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Dec-17	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Jan-18	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Feb-18	XNQ	F
10/4/16	Consumers	NG Firm Phys, BS, LD1	Mar-18	XNQ	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Nov-16	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Dec-16	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jan-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Feb-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Mar-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Apr-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	May-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jun-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jul-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Aug-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Sep-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Oct-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Nov-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Dec-17	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jan-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Feb-18	XNR	F

10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Mar-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Apr-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	May-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jun-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jul-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Aug-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Sep-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Oct-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Nov-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Dec-18	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jan-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Feb-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Mar-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Apr-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	May-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jun-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jul-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Aug-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Sep-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Oct-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Nov-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Dec-19	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jan-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Feb-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Mar-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Apr-20	XNR	F

10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	May-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jun-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jul-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Aug-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Sep-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Oct-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Nov-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Dec-20	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jan-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Feb-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Mar-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Apr-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	May-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jun-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Jul-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Aug-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Sep-21	XNR	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (US/MM)	Oct-21	XNR	F
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D

10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D

10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Dec-16	XNS	D

10/4/16	Cheyenne	NG Firm Phys, FP	Dec-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Dec-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Dec-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Dec-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Dec-16	XNS	D
10/4/16	Cheyenne	NG Firm Phys, FP	Nov-16	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Dec-16	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Jan-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Feb-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Mar-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Apr-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	May-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Jun-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Jul-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Aug-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Sep-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, FP	Oct-17	XNT	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D

10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D

10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Dec-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Dec-16	XNU	D

10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Dec-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Dec-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Dec-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Dec-16	XNU	D
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Nov-16	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Dec-16	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Jan-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Feb-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Mar-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Apr-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	May-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Jun-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Jul-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Aug-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Sep-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, GDD	Oct-17	XNV	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Nov-16	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Dec-16	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jan-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Feb-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Mar-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Apr-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	May-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jun-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jul-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Aug-17	XNW	F

10/4/16	Cheyenne	NG Firm Phys, ID, IF	Sep-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Oct-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Nov-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Dec-17	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jan-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Feb-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Mar-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Apr-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	May-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jun-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jul-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Aug-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Sep-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Oct-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Nov-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Dec-18	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jan-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Feb-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Mar-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Apr-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	May-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jun-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Jul-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Aug-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Sep-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Oct-19	XNW	F

10/4/16	Cheyenne	NG Firm Phys, ID, IF	Nov-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, ID, IF	Dec-19	XNW	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Nov-16	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Dec-16	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Jan-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Feb-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Mar-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Apr-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	May-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Jun-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Jul-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Aug-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Sep-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Oct-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Nov-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Dec-17	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Jan-18	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Feb-18	XNX	F
10/4/16	Cheyenne	NG Firm Phys, BS, LD1	Mar-18	XNX	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D

10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D

10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XOR	D

10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Dec-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Dec-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Dec-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Dec-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Dec-16	XOR	D
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Dec-16	XOR	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Nov-16	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Dec-16	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Jan-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Feb-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Mar-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Apr-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	May-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Jun-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Jul-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Aug-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Sep-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Oct-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Nov-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Dec-17	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Jan-18	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Feb-18	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, BS, LD1	Mar-18	XRI	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Dec-16	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Jan-17	XRJ	F

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Feb-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Mar-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Apr-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	May-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Jun-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Jul-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Aug-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Sep-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-17	XRJ	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Oct-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Nov-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Dec-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Dec-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Dec-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Dec-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Dec-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, FP	Dec-16	XRK	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Dec-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Dec-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Dec-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Dec-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Dec-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Dec-16	XRL	D
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Nov-16	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Dec-16	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Jan-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Feb-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Mar-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Apr-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	May-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Jun-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Jul-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Aug-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Sep-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, GDD	Oct-17	XRM	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Nov-16	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Dec-16	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jan-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Feb-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Mar-17	XRN	F

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Apr-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	May-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jun-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jul-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Aug-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Sep-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Oct-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Nov-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Dec-17	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jan-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Feb-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Mar-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Apr-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	May-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jun-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jul-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Aug-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Sep-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Oct-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Nov-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Dec-18	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jan-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Feb-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Mar-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Apr-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	May-19	XRN	F

10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jun-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Jul-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Aug-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Sep-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Oct-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Nov-19	XRN	F
10/4/16	Transco-Z6 (non-NY)	NG Firm Phys, ID, IF	Dec-19	XRN	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Nov-16	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Dec-16	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Jan-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Feb-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Mar-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Apr-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	May-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Jun-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Jul-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Aug-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Sep-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Oct-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Nov-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Dec-17	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Jan-18	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Feb-18	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, BS, LD1	Mar-18	XRO	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D

10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D

10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D

10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Dec-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Dec-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Dec-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Dec-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Dec-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Dec-16	XRP	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Nov-16	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Dec-16	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Jan-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Feb-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Mar-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Apr-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	May-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Jun-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Jul-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Aug-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Sep-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, FP	Oct-17	XRQ	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D

10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-16	XRR	D

10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D

10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Dec-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Dec-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Dec-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Dec-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Dec-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Dec-16	XRR	D
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Nov-16	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Dec-16	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Jan-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Feb-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Mar-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Apr-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	May-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Jun-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Jul-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Aug-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Sep-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, GDD	Oct-17	XRS	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Nov-16	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Dec-16	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jan-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Feb-17	XSE	F

10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Mar-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Apr-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	May-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jun-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jul-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Aug-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Sep-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Oct-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Nov-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Dec-17	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jan-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Feb-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Mar-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Apr-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	May-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jun-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jul-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Aug-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Sep-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Oct-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Nov-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Dec-18	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jan-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Feb-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Mar-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Apr-19	XSE	F

10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	May-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jun-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Jul-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Aug-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Sep-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Oct-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Nov-19	XSE	F
10/4/16	Katy-Enstor Pool	NG Firm Phys, ID, IF	Dec-19	XSE	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Nov-16	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Dec-16	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Jan-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Feb-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Mar-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Apr-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	May-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Jun-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Jul-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Aug-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Sep-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, GDD	Oct-17	XSF	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Nov-16	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Dec-16	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jan-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Feb-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Mar-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Apr-17	XSG	F

10/4/16	Dominion-North	NG Firm Phys, ID, IF	May-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jun-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jul-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Aug-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Sep-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Oct-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Nov-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Dec-17	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jan-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Feb-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Mar-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Apr-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	May-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jun-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jul-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Aug-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Sep-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Oct-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Nov-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Dec-18	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jan-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Feb-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Mar-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Apr-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	May-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jun-19	XSG	F

10/4/16	Dominion-North	NG Firm Phys, ID, IF	Jul-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Aug-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Sep-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Oct-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Nov-19	XSG	F
10/4/16	Dominion-North	NG Firm Phys, ID, IF	Dec-19	XSG	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D

10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D

10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Dec-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Dec-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Dec-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Dec-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Dec-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Dec-16	XST	D
10/4/16	EP-Keystone	NG Firm Phys, FP	Nov-16	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Dec-16	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Jan-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Feb-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Mar-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Apr-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	May-17	XSU	F

10/4/16	EP-Keystone	NG Firm Phys, FP	Jun-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Jul-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Aug-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Sep-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, FP	Oct-17	XSU	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
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10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
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10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D

10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D

10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Dec-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Dec-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Dec-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Dec-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Dec-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Dec-16	XSV	D
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Nov-16	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Dec-16	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Jan-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Feb-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Mar-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Apr-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	May-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Jun-17	XSW	F

10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Jul-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Aug-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Sep-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, ID, GDD	Oct-17	XSW	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Nov-16	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Dec-16	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Jan-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Feb-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Mar-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Apr-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	May-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Jun-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Jul-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Aug-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Sep-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Oct-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Nov-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Dec-17	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Jan-18	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Feb-18	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, BS, LD1	Mar-18	XSX	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Nov-16	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Dec-16	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jan-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Feb-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Mar-17	XSY	F

10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Apr-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	May-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jun-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jul-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Aug-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Sep-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Oct-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Nov-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Dec-17	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jan-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Feb-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Mar-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Apr-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	May-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jun-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jul-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Aug-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Sep-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Oct-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Nov-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Dec-18	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jan-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Feb-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Mar-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Apr-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	May-19	XSY	F

10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jun-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Jul-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Aug-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Sep-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Oct-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Nov-19	XSY	F
10/4/16	EP-Keystone	NG Firm Phys, ID, IF	Dec-19	XSY	F
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
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10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D

10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
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10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Oct-16	XT6	D
10/4/16	Waha	NG Firm Phys, FP	Nov-16	XT6	D
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10/4/16	Waha	NG Firm Phys, FP	Nov-16	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Dec-16	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Jan-17	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Feb-17	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Mar-17	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Apr-17	XT7	F

10/4/16	Waha	NG Firm Phys, FP	May-17	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Jun-17	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Jul-17	XT7	F
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10/4/16	Waha	NG Firm Phys, FP	Sep-17	XT7	F
10/4/16	Waha	NG Firm Phys, FP	Oct-17	XT7	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Nov-16	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Dec-16	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Jan-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Feb-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Mar-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Apr-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	May-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Jun-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Jul-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Aug-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Sep-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Oct-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Nov-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Dec-17	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Jan-18	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Feb-18	XT8	F
10/4/16	Waha	NG Firm Phys, BS, LD1	Mar-18	XT8	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D

10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
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10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-16	XT9	D

10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D

10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Dec-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Dec-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Dec-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Dec-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Dec-16	XT9	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Dec-16	XT9	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D

10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D

10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Dec-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Dec-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Dec-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Dec-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Dec-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Dec-16	XTA	D
10/4/16	ANR-SE-T	NG Firm Phys, FP	Nov-16	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Dec-16	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Jan-17	XTB	F

10/4/16	ANR-SE-T	NG Firm Phys, FP	Feb-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Mar-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Apr-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	May-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Jun-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Jul-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Aug-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Sep-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, FP	Oct-17	XTB	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D

10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D

10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Dec-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Dec-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Dec-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Dec-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Dec-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Dec-16	XTC	D
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Nov-16	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Dec-16	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Jan-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Feb-17	XTD	F

10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Mar-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Apr-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	May-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Jun-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Jul-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Aug-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Sep-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, GDD	Oct-17	XTD	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Nov-16	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Dec-16	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Jan-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Feb-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Mar-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Apr-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	May-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Jun-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Jul-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Aug-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Sep-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Oct-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Nov-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Dec-17	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Jan-18	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Feb-18	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, BS, LD1	Mar-18	XTE	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Nov-16	XTF	F

10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Dec-16	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jan-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Feb-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Mar-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Apr-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	May-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jun-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jul-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Aug-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Sep-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Oct-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Nov-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Dec-17	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jan-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Feb-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Mar-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Apr-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	May-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jun-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jul-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Aug-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Sep-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Oct-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Nov-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Dec-18	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jan-19	XTF	F

10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Feb-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Mar-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Apr-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	May-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jun-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Jul-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Aug-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Sep-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Oct-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Nov-19	XTF	F
10/4/16	ANR-SE-T	NG Firm Phys, ID, IF	Dec-19	XTF	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D

10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D

10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Dec-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Dec-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Dec-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Dec-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Dec-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Dec-16	XTG	D
10/4/16	NNG-Ventura	NG Firm Phys, FP	Nov-16	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Dec-16	XTH	F

10/4/16	NNG-Ventura	NG Firm Phys, FP	Jan-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Feb-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Mar-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Apr-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	May-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Jun-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Jul-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Aug-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Sep-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, FP	Oct-17	XTH	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D

10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D

10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Dec-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Dec-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Dec-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Dec-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Dec-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Dec-16	XTI	D
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Nov-16	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Dec-16	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Jan-17	XTJ	F

10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Feb-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Mar-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Apr-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	May-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Jun-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Jul-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Aug-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Sep-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, GDD	Oct-17	XTJ	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Nov-16	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Dec-16	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Jan-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Feb-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Mar-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Apr-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	May-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Jun-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Jul-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Aug-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Sep-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Oct-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Nov-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Dec-17	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Jan-18	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Feb-18	XTK	F
10/4/16	NNG-Ventura	NG Firm Phys, BS, LD1	Mar-18	XTK	F

10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Nov-16	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Dec-16	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jan-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Feb-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Mar-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Apr-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	May-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jun-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jul-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Aug-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Sep-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Oct-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Nov-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Dec-17	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jan-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Feb-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Mar-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Apr-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	May-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jun-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jul-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Aug-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Sep-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Oct-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Nov-18	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Dec-18	XTL	F

10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jan-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Feb-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Mar-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Apr-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	May-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jun-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Jul-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Aug-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Sep-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Oct-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Nov-19	XTL	F
10/4/16	NNG-Ventura	NG Firm Phys, ID, IF	Dec-19	XTL	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D

10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D

10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XTM	D
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-16	XTN	F

10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-16	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jan-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Feb-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Mar-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Apr-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	May-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jun-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jul-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Aug-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Sep-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-17	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jan-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Feb-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Mar-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Apr-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	May-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jun-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jul-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Aug-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Sep-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-18	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jan-19	XTN	F

10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Feb-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Mar-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Apr-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	May-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jun-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jul-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Aug-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Sep-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-19	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jan-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Feb-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Mar-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Apr-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	May-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jun-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jul-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Aug-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Sep-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Nov-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Dec-20	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jan-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Feb-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Mar-21	XTN	F

10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Apr-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	May-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jun-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Jul-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Aug-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Sep-21	XTN	F
10/4/16	TCPL - Suffield 2	NGX Phys FUT, FP (CA/GJ)	Oct-21	XTN	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D

10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D

10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-16	XTO	D
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-16	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-16	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jan-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Feb-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Mar-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Apr-17	XTP	F

10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	May-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jun-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jul-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Aug-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Sep-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-17	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jan-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Feb-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Mar-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Apr-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	May-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jun-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jul-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Aug-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Sep-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-18	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jan-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Feb-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Mar-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Apr-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	May-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jun-19	XTP	F

10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jul-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Aug-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Sep-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-19	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jan-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Feb-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Mar-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Apr-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	May-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jun-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jul-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Aug-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Sep-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Nov-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Dec-20	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jan-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Feb-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Mar-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Apr-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	May-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jun-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Jul-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Aug-21	XTP	F

10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Sep-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, FP (US/MM)	Oct-21	XTP	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XTQ	F

10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XTQ	F

10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-21	XTQ	F
10/4/16	TCPL - Enbridge CDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-21	XTQ	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D

10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D

10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Dec-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Dec-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Dec-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Dec-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Dec-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Dec-16	XTR	D
10/4/16	TETCO-STX	NG Firm Phys, FP	Nov-16	XTS	F

10/4/16	TETCO-STX	NG Firm Phys, FP	Dec-16	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Jan-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Feb-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Mar-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Apr-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	May-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Jun-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Jul-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Aug-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Sep-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, FP	Oct-17	XTS	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D

10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D

10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Dec-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Dec-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Dec-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Dec-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Dec-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Dec-16	XTT	D
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Nov-16	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Dec-16	XTU	F

10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Jan-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Feb-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Mar-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Apr-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	May-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Jun-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Jul-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Aug-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Sep-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, ID, GDD	Oct-17	XTU	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Nov-16	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Dec-16	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Jan-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Feb-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Mar-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Apr-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	May-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Jun-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Jul-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Aug-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Sep-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Oct-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Nov-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Dec-17	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Jan-18	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Feb-18	XTV	F

10/4/16	TETCO-STX	NG Firm Phys, BS, LD1	Mar-18	XTV	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Nov-16	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Dec-16	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jan-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Feb-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Mar-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Apr-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	May-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jun-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jul-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Aug-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Sep-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Oct-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Nov-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Dec-17	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jan-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Feb-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Mar-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Apr-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	May-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jun-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jul-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Aug-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Sep-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Oct-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Nov-18	XTW	F

10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Dec-18	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jan-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Feb-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Mar-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Apr-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	May-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jun-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Jul-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Aug-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Sep-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Oct-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Nov-19	XTW	F
10/4/16	TETCO-STX	NG Firm Phys, ID, IF	Dec-19	XTW	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D

10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D

10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Dec-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Dec-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Dec-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Dec-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Dec-16	XTX	D
10/4/16	TETCO-ELA	NG Firm Phys, FP	Dec-16	XTX	D

10/4/16	TETCO-ELA	NG Firm Phys, FP	Nov-16	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Dec-16	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Jan-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Feb-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Mar-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Apr-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	May-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Jun-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Jul-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Aug-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Sep-17	XTY	F
10/4/16	TETCO-ELA	NG Firm Phys, FP	Oct-17	XTY	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D

10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D

10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Dec-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Dec-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Dec-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Dec-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Dec-16	XTZ	D
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Dec-16	XTZ	D
10/4/16	Waha	NG Firm Phys, ID, GDD	Nov-16	XU0	F

10/4/16	Waha	NG Firm Phys, ID, GDD	Dec-16	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Jan-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Feb-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Mar-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Apr-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	May-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Jun-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Jul-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Aug-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Sep-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, GDD	Oct-17	XU0	F
10/4/16	Waha	NG Firm Phys, ID, IF	Nov-16	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Dec-16	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jan-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Feb-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Mar-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Apr-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	May-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jun-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jul-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Aug-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Sep-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Oct-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Nov-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Dec-17	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jan-18	XU1	F

10/4/16	Waha	NG Firm Phys, ID, IF	Feb-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Mar-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Apr-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	May-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jun-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jul-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Aug-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Sep-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Oct-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Nov-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Dec-18	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jan-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Feb-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Mar-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Apr-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	May-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jun-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Jul-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Aug-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Sep-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Oct-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Nov-19	XU1	F
10/4/16	Waha	NG Firm Phys, ID, IF	Dec-19	XU1	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D

10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-16	XU2	D

10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D

10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Dec-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Dec-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Dec-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Dec-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Dec-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Dec-16	XU2	D
10/4/16	Katy-Oasis	NG Firm Phys, FP	Nov-16	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Dec-16	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Jan-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Feb-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Mar-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Apr-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	May-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Jun-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Jul-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Aug-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Sep-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, FP	Oct-17	XU3	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Nov-16	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Dec-16	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Jan-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Feb-17	XU4	F

10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Mar-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Apr-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	May-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Jun-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Jul-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Aug-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Sep-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Oct-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Nov-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Dec-17	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Jan-18	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Feb-18	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, BS, LD1	Mar-18	XU4	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D

10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D

10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Dec-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Dec-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Dec-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Dec-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Dec-16	XU5	D
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Dec-16	XU5	D

10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Nov-16	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Dec-16	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Jan-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Feb-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Mar-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Apr-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	May-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Jun-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Jul-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Aug-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Sep-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, GDD	Oct-17	XU6	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Nov-16	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Dec-16	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jan-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Feb-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Mar-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Apr-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	May-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jun-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jul-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Aug-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Sep-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Oct-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Nov-17	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Dec-17	XU7	F

10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jan-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Feb-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Mar-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Apr-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	May-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jun-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jul-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Aug-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Sep-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Oct-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Nov-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Dec-18	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jan-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Feb-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Mar-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Apr-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	May-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jun-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Jul-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Aug-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Sep-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Oct-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Nov-19	XU7	F
10/4/16	Katy-Oasis	NG Firm Phys, ID, IF	Dec-19	XU7	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D

10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D

10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D

10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Dec-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Dec-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Dec-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Dec-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Dec-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Dec-16	XU8	D
10/4/16	TGT-North LA	NG Firm Phys, FP	Nov-16	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Dec-16	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Jan-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Feb-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Mar-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Apr-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	May-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Jun-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Jul-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Aug-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Sep-17	XU9	F
10/4/16	TGT-North LA	NG Firm Phys, FP	Oct-17	XU9	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D

10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-16	XUA	D

10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D

10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Dec-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Dec-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Dec-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Dec-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Dec-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Dec-16	XUA	D
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Nov-16	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Dec-16	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Jan-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Feb-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Mar-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Apr-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	May-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Jun-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Jul-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Aug-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Sep-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, GDD	Oct-17	XUB	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Nov-16	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Dec-16	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Jan-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Feb-17	XUC	F

10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Mar-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Apr-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	May-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Jun-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Jul-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Aug-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Sep-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Oct-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Nov-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Dec-17	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Jan-18	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Feb-18	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, BS, LD1	Mar-18	XUC	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Nov-16	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Dec-16	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jan-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Feb-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Mar-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Apr-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	May-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jun-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jul-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Aug-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Sep-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Oct-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Nov-17	XUD	F

10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Dec-17	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jan-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Feb-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Mar-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Apr-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	May-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jun-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jul-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Aug-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Sep-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Oct-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Nov-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Dec-18	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jan-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Feb-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Mar-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Apr-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	May-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jun-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Jul-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Aug-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Sep-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Oct-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Nov-19	XUD	F
10/4/16	TETCO-ELA	NG Firm Phys, ID, IF	Dec-19	XUD	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	XUN	F

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-16	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jan-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Feb-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Mar-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Apr-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	May-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jun-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jul-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Aug-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Sep-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-17	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jan-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Feb-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Mar-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Apr-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	May-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jun-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jul-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Aug-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Sep-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-18	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jan-19	XUN	F

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Feb-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Mar-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Apr-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	May-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jun-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jul-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Aug-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Sep-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-19	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jan-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Feb-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Mar-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Apr-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	May-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jun-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jul-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Aug-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Sep-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-20	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jan-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Feb-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Mar-21	XUN	F

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Apr-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	May-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jun-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Jul-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Aug-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Sep-21	XUN	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-21	XUN	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Nov-16	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Dec-16	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Jan-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Feb-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Mar-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Apr-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	May-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Jun-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Jul-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Aug-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Sep-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, FP	Oct-17	XUW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D

10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D

10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUX	D

10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Dec-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Dec-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Dec-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Dec-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Dec-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Dec-16	XUX	D
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Nov-16	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Dec-16	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Jan-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Feb-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Mar-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Apr-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	May-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Jun-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Jul-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Aug-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Sep-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, GDD	Oct-17	XUY	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Nov-16	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Dec-16	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Jan-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Feb-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Mar-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Apr-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	May-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Jun-17	XUZ	F

10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Jul-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Aug-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Sep-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Oct-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Nov-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Dec-17	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Jan-18	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Feb-18	XUZ	F
10/4/16	NBPL-Ventura	NG Firm Phys, BS, LD1	Mar-18	XUZ	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Nov-16	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Dec-16	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Jan-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Feb-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Mar-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Apr-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	May-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Jun-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Jul-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Aug-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Sep-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Oct-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Nov-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Dec-17	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Jan-18	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Feb-18	XV0	F
10/4/16	TGT-North LA	NG Firm Phys, BS, LD1	Mar-18	XV0	F

10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D

10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D

10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Dec-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Dec-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Dec-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Dec-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Dec-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Dec-16	XV1	D
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Nov-16	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Dec-16	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Jan-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Feb-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Mar-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Apr-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	May-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Jun-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Jul-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Aug-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Sep-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, GDD	Oct-17	XV2	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Nov-16	XV3	F

10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Dec-16	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jan-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Feb-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Mar-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Apr-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	May-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jun-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jul-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Aug-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Sep-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Oct-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Nov-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Dec-17	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jan-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Feb-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Mar-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Apr-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	May-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jun-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jul-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Aug-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Sep-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Oct-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Nov-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Dec-18	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jan-19	XV3	F

10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Feb-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Mar-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Apr-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	May-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jun-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Jul-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Aug-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Sep-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Oct-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Nov-19	XV3	F
10/4/16	TGT-North LA	NG Firm Phys, ID, IF	Dec-19	XV3	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D

10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D

10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Dec-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Dec-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Dec-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Dec-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Dec-16	XV4	D
10/4/16	Iroquois (into)	NG Firm Phys, FP	Nov-16	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Dec-16	XV5	F

10/4/16	Iroquois (into)	NG Firm Phys, FP	Jan-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Feb-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Mar-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Apr-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	May-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Jun-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Jul-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Aug-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Sep-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, FP	Oct-17	XV5	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Nov-16	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Dec-16	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Jan-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Feb-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Mar-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Apr-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	May-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Jun-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Jul-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Aug-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Sep-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Oct-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Nov-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Dec-17	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Jan-18	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Feb-18	XV6	F

10/4/16	Iroquois (into)	NG Firm Phys, BS, LD1	Mar-18	XV6	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D

10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D

10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Dec-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Dec-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Dec-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Dec-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Dec-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Dec-16	XV7	D
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Nov-16	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Dec-16	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Jan-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Feb-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Mar-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Apr-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	May-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Jun-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Jul-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Aug-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Sep-17	XV8	F
10/4/16	Iroquois (into)	NG Firm Phys, ID, GDD	Oct-17	XV8	F

10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D

10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Oct-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D

10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Dec-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Dec-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Dec-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Dec-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Dec-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Dec-16	XVA	D
10/4/16	Transco-85	NG Firm Phys, FP	Nov-16	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Dec-16	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Jan-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Feb-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Mar-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Apr-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	May-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Jun-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Jul-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Aug-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Sep-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, FP	Oct-17	XVB	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D

10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D

10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D

10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Dec-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Dec-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Dec-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Dec-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Dec-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Dec-16	XVC	D
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Nov-16	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Dec-16	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Jan-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Feb-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Mar-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Apr-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	May-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Jun-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Jul-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Aug-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Sep-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, ID, GDD	Oct-17	XVD	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Nov-16	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Dec-16	XVE	F

10/4/16	Transco-85	NG Firm Phys, BS, LD1	Jan-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Feb-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Mar-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Apr-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	May-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Jun-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Jul-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Aug-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Sep-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Oct-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Nov-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Dec-17	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Jan-18	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Feb-18	XVE	F
10/4/16	Transco-85	NG Firm Phys, BS, LD1	Mar-18	XVE	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Nov-16	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Dec-16	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jan-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Feb-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Mar-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Apr-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	May-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jun-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jul-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Aug-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Sep-17	XVF	F

10/4/16	Transco-85	NG Firm Phys, ID, IF	Oct-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Nov-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Dec-17	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jan-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Feb-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Mar-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Apr-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	May-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jun-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jul-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Aug-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Sep-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Oct-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Nov-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Dec-18	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jan-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Feb-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Mar-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Apr-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	May-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jun-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Jul-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Aug-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Sep-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Oct-19	XVF	F
10/4/16	Transco-85	NG Firm Phys, ID, IF	Nov-19	XVF	F

10/4/16	Transco-85	NG Firm Phys, ID, IF	Dec-19	XVF	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Dec-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Dec-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Dec-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Dec-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Dec-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Dec-16	XVG	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Nov-16	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Dec-16	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Jan-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Feb-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Mar-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Apr-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	May-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Jun-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Jul-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Aug-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Sep-17	XVH	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, FP	Oct-17	XVH	F

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Dec-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Dec-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Dec-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Dec-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Dec-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Dec-16	XVI	D
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Nov-16	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Dec-16	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Jan-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Feb-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Mar-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Apr-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	May-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Jun-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Jul-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Aug-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Sep-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, GDD	Oct-17	XVJ	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Nov-16	XVK	F

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Dec-16	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Jan-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Feb-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Mar-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Apr-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	May-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Jun-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Jul-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Aug-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Sep-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Oct-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Nov-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Dec-17	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Jan-18	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Feb-18	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, BS, LD1	Mar-18	XVK	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Nov-16	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Dec-16	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jan-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Feb-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Mar-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Apr-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	May-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jun-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jul-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Aug-17	XVL	F

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Sep-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Oct-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Nov-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Dec-17	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jan-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Feb-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Mar-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Apr-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	May-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jun-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jul-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Aug-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Sep-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Oct-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Nov-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Dec-18	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jan-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Feb-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Mar-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Apr-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	May-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jun-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Jul-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Aug-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Sep-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Oct-19	XVL	F

10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Nov-19	XVL	F
10/4/16	EP-SJ Blanco Pool	NG Firm Phys, ID, IF	Dec-19	XVL	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D

10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D

10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Dec-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Dec-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Dec-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Dec-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Dec-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Dec-16	XVM	D
10/4/16	TETCO-WLA	NG Firm Phys, FP	Nov-16	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Dec-16	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Jan-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Feb-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Mar-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Apr-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	May-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Jun-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Jul-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Aug-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, FP	Sep-17	XVN	F

10/4/16	TETCO-WLA	NG Firm Phys, FP	Oct-17	XVN	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D

10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D

10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Dec-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Dec-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Dec-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Dec-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Dec-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Dec-16	XVO	D
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Nov-16	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Dec-16	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Jan-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Feb-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Mar-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Apr-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	May-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Jun-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Jul-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Aug-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Sep-17	XVP	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, GDD	Oct-17	XVP	F

10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Nov-16	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Dec-16	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Jan-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Feb-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Mar-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Apr-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	May-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Jun-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Jul-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Aug-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Sep-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Oct-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Nov-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Dec-17	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Jan-18	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Feb-18	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, BS, LD1	Mar-18	XVQ	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Nov-16	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Dec-16	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jan-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Feb-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Mar-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Apr-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	May-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jun-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jul-17	XVR	F

10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Aug-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Sep-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Oct-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Nov-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Dec-17	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jan-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Feb-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Mar-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Apr-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	May-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jun-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jul-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Aug-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Sep-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Oct-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Nov-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Dec-18	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jan-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Feb-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Mar-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Apr-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	May-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jun-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Jul-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Aug-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Sep-19	XVR	F

10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Oct-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Nov-19	XVR	F
10/4/16	TETCO-WLA	NG Firm Phys, ID, IF	Dec-19	XVR	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D

10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D

10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Dec-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Dec-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Dec-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Dec-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Dec-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Dec-16	XVS	D
10/4/16	NGPL-STX	NG Firm Phys, FP	Nov-16	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Dec-16	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Jan-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Feb-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Mar-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Apr-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	May-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Jun-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Jul-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Aug-17	XVT	F

10/4/16	NGPL-STX	NG Firm Phys, FP	Sep-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, FP	Oct-17	XVT	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D

10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D

10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Dec-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Dec-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Dec-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Dec-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Dec-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Dec-16	XVU	D
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Nov-16	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Dec-16	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Jan-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Feb-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Mar-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Apr-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	May-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Jun-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Jul-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Aug-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Sep-17	XVV	F

10/4/16	NGPL-STX	NG Firm Phys, ID, GDD	Oct-17	XVV	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Nov-16	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Dec-16	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Jan-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Feb-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Mar-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Apr-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	May-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Jun-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Jul-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Aug-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Sep-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Oct-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Nov-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Dec-17	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Jan-18	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Feb-18	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, BS, LD1	Mar-18	XVW	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Nov-16	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Dec-16	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jan-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Feb-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Mar-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Apr-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	May-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jun-17	XVX	F

10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jul-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Aug-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Sep-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Oct-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Nov-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Dec-17	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jan-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Feb-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Mar-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Apr-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	May-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jun-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jul-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Aug-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Sep-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Oct-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Nov-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Dec-18	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jan-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Feb-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Mar-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Apr-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	May-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jun-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Jul-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Aug-19	XVX	F

10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Sep-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Oct-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Nov-19	XVX	F
10/4/16	NGPL-STX	NG Firm Phys, ID, IF	Dec-19	XVX	F
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D

10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D

10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Dec-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Dec-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Dec-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Dec-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Dec-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Dec-16	XVY	D
10/4/16	TGT-SL	NG Firm Phys, FP	Nov-16	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Dec-16	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Jan-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Feb-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Mar-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Apr-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	May-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Jun-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Jul-17	XVZ	F

10/4/16	TGT-SL	NG Firm Phys, FP	Aug-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Sep-17	XVZ	F
10/4/16	TGT-SL	NG Firm Phys, FP	Oct-17	XVZ	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Dec-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Dec-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Dec-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Dec-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Dec-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Dec-16	XW0	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Nov-16	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Dec-16	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Jan-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Feb-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Mar-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Apr-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	May-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Jun-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Jul-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Aug-17	XW1	F

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Sep-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, FP	Oct-17	XW1	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Nov-16	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Dec-16	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Jan-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Feb-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Mar-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Apr-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	May-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Jun-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Jul-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Aug-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Sep-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Oct-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Nov-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Dec-17	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Jan-18	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Feb-18	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, BS, LD1	Mar-18	XW2	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW3	D

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Dec-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Dec-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Dec-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Dec-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Dec-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Dec-16	XW3	D
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Nov-16	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Dec-16	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Jan-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Feb-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Mar-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Apr-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	May-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Jun-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Jul-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Aug-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Sep-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, GDD	Oct-17	XW4	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Nov-16	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Dec-16	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jan-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Feb-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Mar-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Apr-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	May-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jun-17	XW5	F

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jul-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Aug-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Sep-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Oct-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Nov-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Dec-17	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jan-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Feb-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Mar-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Apr-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	May-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jun-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jul-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Aug-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Sep-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Oct-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Nov-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Dec-18	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jan-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Feb-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Mar-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Apr-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	May-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jun-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Jul-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Aug-19	XW5	F

10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Sep-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Oct-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Nov-19	XW5	F
10/4/16	Transco-Z6 (non-NY north)	NG Firm Phys, ID, IF	Dec-19	XW5	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Nov-16	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Dec-16	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jan-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Feb-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Mar-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Apr-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	May-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jun-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jul-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Aug-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Sep-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Oct-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Nov-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Dec-17	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jan-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Feb-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Mar-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Apr-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	May-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jun-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jul-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Aug-18	XW6	F

10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Sep-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Oct-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Nov-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Dec-18	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jan-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Feb-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Mar-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Apr-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	May-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jun-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jul-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Aug-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Sep-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Oct-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Nov-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Dec-19	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jan-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Feb-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Mar-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Apr-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	May-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jun-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jul-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Aug-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Sep-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Oct-20	XW6	F

10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Nov-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Dec-20	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jan-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Feb-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Mar-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Apr-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	May-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jun-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Jul-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Aug-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Sep-21	XW6	F
10/4/16	AB-NIT	NGX Fin FF, FP for 7A, (CA/GJ)	Oct-21	XW6	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-16	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jan-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Feb-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Mar-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Apr-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	May-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jun-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jul-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Aug-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Sep-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-17	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-17	XW7	F

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jan-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Feb-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Mar-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Apr-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	May-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jun-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jul-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Aug-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Sep-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-18	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jan-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Feb-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Mar-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Apr-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	May-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jun-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jul-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Aug-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Sep-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-19	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jan-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Feb-20	XW7	F

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Mar-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Apr-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	May-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jun-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jul-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Aug-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Sep-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-20	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jan-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Feb-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Mar-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Apr-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	May-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jun-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Jul-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Aug-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Sep-21	XW7	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-21	XW7	F
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D

10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D

10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D

10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Dec-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Dec-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Dec-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Dec-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Dec-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Dec-16	XW8	D
10/4/16	APC-ACE	NG Firm Phys, FP	Nov-16	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Dec-16	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Jan-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Feb-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Mar-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Apr-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	May-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Jun-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Jul-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Aug-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Sep-17	XW9	F
10/4/16	APC-ACE	NG Firm Phys, FP	Oct-17	XW9	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D

10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D

10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWA	D

10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Dec-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Dec-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Dec-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Dec-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Dec-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Dec-16	XWA	D
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Nov-16	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Dec-16	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Jan-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Feb-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Mar-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Apr-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	May-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Jun-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Jul-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Aug-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Sep-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, ID, GDD	Oct-17	XWB	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Nov-16	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Dec-16	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Jan-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Feb-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Mar-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Apr-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	May-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Jun-17	XWC	F

10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Jul-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Aug-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Sep-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Oct-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Nov-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Dec-17	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Jan-18	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Feb-18	XWC	F
10/4/16	TGT-SL	NG Firm Phys, BS, LD1	Mar-18	XWC	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Nov-16	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Dec-16	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jan-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Feb-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Mar-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Apr-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	May-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jun-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jul-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Aug-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Sep-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Oct-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Nov-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Dec-17	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jan-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Feb-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Mar-18	XWD	F

10/4/16	TGT-SL	NG Firm Phys, ID, IF	Apr-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	May-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jun-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jul-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Aug-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Sep-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Oct-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Nov-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Dec-18	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jan-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Feb-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Mar-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Apr-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	May-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jun-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Jul-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Aug-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Sep-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Oct-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Nov-19	XWD	F
10/4/16	TGT-SL	NG Firm Phys, ID, IF	Dec-19	XWD	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D

10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
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10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D

10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
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10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
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10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
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10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
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10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D

10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Dec-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Dec-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Dec-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Dec-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Dec-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Dec-16	XWE	D
10/4/16	TGT-Mainline	NG Firm Phys, FP	Nov-16	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Dec-16	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Jan-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Feb-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Mar-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Apr-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	May-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Jun-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Jul-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Aug-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Sep-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, FP	Oct-17	XWF	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D

10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
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10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D

10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
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10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D

10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Dec-16	XWG	D
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10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Dec-16	XWG	D
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10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Dec-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Dec-16	XWG	D
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Nov-16	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Dec-16	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Jan-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Feb-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Mar-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Apr-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	May-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Jun-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Jul-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Aug-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Sep-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, GDD	Oct-17	XWH	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Nov-16	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Dec-16	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Jan-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Feb-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Mar-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Apr-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	May-17	XWI	F

10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Jun-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Jul-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Aug-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Sep-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Oct-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Nov-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Dec-17	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Jan-18	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Feb-18	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, BS, LD1	Mar-18	XWI	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Nov-16	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Dec-16	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jan-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Feb-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Mar-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Apr-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	May-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jun-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jul-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Aug-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Sep-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Oct-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Nov-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Dec-17	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jan-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Feb-18	XWJ	F

10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Mar-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Apr-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	May-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jun-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jul-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Aug-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Sep-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Oct-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Nov-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Dec-18	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jan-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Feb-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Mar-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Apr-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	May-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jun-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Jul-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Aug-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Sep-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Oct-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Nov-19	XWJ	F
10/4/16	TGT-Mainline	NG Firm Phys, ID, IF	Dec-19	XWJ	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D

10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D

10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D

10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Dec-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Dec-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Dec-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Dec-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Dec-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Dec-16	XWK	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Nov-16	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Dec-16	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Jan-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Feb-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Mar-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Apr-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	May-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Jun-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Jul-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Aug-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Sep-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, FP	Oct-17	XWL	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D

10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D

10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D

10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Dec-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Dec-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Dec-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Dec-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Dec-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Dec-16	XWM	D
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Nov-16	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Dec-16	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Jan-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Feb-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Mar-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Apr-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	May-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Jun-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Jul-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Aug-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Sep-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, GDD	Oct-17	XWN	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Nov-16	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Dec-16	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Jan-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Feb-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Mar-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Apr-17	XWO	F

10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	May-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Jun-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Jul-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Aug-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Sep-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Oct-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Nov-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Dec-17	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Jan-18	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Feb-18	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, BS, LD1	Mar-18	XWO	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Nov-16	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Dec-16	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jan-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Feb-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Mar-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Apr-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	May-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jun-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jul-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Aug-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Sep-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Oct-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Nov-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Dec-17	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jan-18	XWP	F

10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Feb-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Mar-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Apr-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	May-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jun-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jul-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Aug-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Sep-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Oct-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Nov-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Dec-18	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jan-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Feb-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Mar-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Apr-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	May-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jun-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Jul-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Aug-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Sep-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Oct-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Nov-19	XWP	F
10/4/16	Transco-Z6 (NY)	NG Firm Phys, ID, IF	Dec-19	XWP	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D

10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-16	XWQ	D

10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D

10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Dec-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Dec-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Dec-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Dec-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Dec-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Dec-16	XWQ	D
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Nov-16	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Dec-16	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Jan-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Feb-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Mar-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Apr-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	May-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Jun-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Jul-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Aug-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Sep-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, FP	Oct-17	XWR	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D

10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D

10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D

10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Dec-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Dec-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Dec-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Dec-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Dec-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Dec-16	XWS	D
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Nov-16	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Dec-16	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Jan-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Feb-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Mar-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Apr-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	May-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Jun-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Jul-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Aug-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Sep-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, ID, GDD	Oct-17	XWT	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Nov-16	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Dec-16	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Jan-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Feb-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Mar-17	XWU	F

10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Apr-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	May-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Jun-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Jul-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Aug-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Sep-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Oct-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Nov-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Dec-17	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Jan-18	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Feb-18	XWU	F
10/4/16	GTN-Stanfield	NG Firm Phys, BS, LD1	Mar-18	XWU	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Nov-16	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Dec-16	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jan-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Feb-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Mar-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Apr-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	May-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jun-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jul-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Aug-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Sep-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Oct-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Nov-17	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Dec-17	XWW	F

10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jan-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Feb-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Mar-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Apr-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	May-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jun-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jul-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Aug-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Sep-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Oct-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Nov-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Dec-18	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jan-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Feb-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Mar-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Apr-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	May-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jun-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Jul-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Aug-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Sep-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Oct-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Nov-19	XWW	F
10/4/16	NBPL-Ventura	NG Firm Phys, ID, IF	Dec-19	XWW	F
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D

10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D

10/4/16	OGT	NG Firm Phys, FP	Oct-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D

10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Dec-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Dec-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Dec-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Dec-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Dec-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Dec-16	XWX	D
10/4/16	OGT	NG Firm Phys, FP	Nov-16	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Dec-16	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Jan-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Feb-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Mar-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Apr-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	May-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Jun-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Jul-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Aug-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Sep-17	XWY	F
10/4/16	OGT	NG Firm Phys, FP	Oct-17	XWY	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D

10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-16	XWZ	D

10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D

10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Dec-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Dec-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Dec-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Dec-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Dec-16	XWZ	D
10/4/16	OGT	NG Firm Phys, ID, GDD	Dec-16	XWZ	D
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Nov-16	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Dec-16	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Jan-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Feb-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Mar-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Apr-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	May-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Jun-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Jul-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Aug-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Sep-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Oct-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Nov-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Dec-17	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Jan-18	XX0	F
10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Feb-18	XX0	F

10/4/16	APC-ACE	NG Firm Phys, BS, LD1	Mar-18	XX0	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D

10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D

10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Dec-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Dec-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Dec-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Dec-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Dec-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Dec-16	XX1	D
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Nov-16	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Dec-16	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Jan-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Feb-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Mar-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Apr-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	May-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Jun-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Jul-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Aug-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Sep-17	XX2	F
10/4/16	APC-ACE	NG Firm Phys, ID, GDD	Oct-17	XX2	F

10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Nov-16	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Dec-16	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Jan-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Feb-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Mar-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Apr-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	May-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Jun-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Jul-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Aug-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Sep-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Oct-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Nov-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Dec-17	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Jan-18	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Feb-18	XX3	F
10/4/16	Dominion-North	NG Firm Phys, BS, LD1	Mar-18	XX3	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Nov-16	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Dec-16	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jan-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Feb-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Mar-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Apr-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	May-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jun-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jul-17	XX4	F

10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Aug-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Sep-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Oct-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Nov-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Dec-17	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jan-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Feb-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Mar-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Apr-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	May-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jun-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jul-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Aug-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Sep-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Oct-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Nov-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Dec-18	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jan-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Feb-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Mar-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Apr-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	May-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jun-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Jul-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Aug-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Sep-19	XX4	F

10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Oct-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Nov-19	XX4	F
10/4/16	APC-ACE	NG Firm Phys, ID, NGI	Dec-19	XX4	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Nov-16	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Dec-16	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Jan-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Feb-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Mar-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Apr-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	May-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Jun-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Jul-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Aug-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Sep-17	XXA	F
10/4/16	OGT	NG Firm Phys, ID, GDD	Oct-17	XXA	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Nov-16	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Dec-16	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Jan-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Feb-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Mar-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Apr-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	May-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Jun-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Jul-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Aug-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Sep-17	XXB	F

10/4/16	OGT	NG Firm Phys, BS, LD1	Oct-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Nov-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Dec-17	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Jan-18	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Feb-18	XXB	F
10/4/16	OGT	NG Firm Phys, BS, LD1	Mar-18	XXB	F
10/4/16	OGT	NG Firm Phys, ID, IF	Nov-16	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Dec-16	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jan-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Feb-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Mar-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Apr-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	May-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jun-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jul-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Aug-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Sep-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Oct-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Nov-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Dec-17	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jan-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Feb-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Mar-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Apr-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	May-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jun-18	XXC	F

10/4/16	OGT	NG Firm Phys, ID, IF	Jul-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Aug-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Sep-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Oct-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Nov-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Dec-18	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jan-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Feb-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Mar-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Apr-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	May-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jun-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Jul-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Aug-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Sep-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Oct-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Nov-19	XXC	F
10/4/16	OGT	NG Firm Phys, ID, IF	Dec-19	XXC	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D

10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D

10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Dec-16	XXD	D

10/4/16	TGP-Z0 North	NG Firm Phys, FP	Dec-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Dec-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Dec-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Dec-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Dec-16	XXD	D
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Nov-16	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Dec-16	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Jan-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Feb-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Mar-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Apr-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	May-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Jun-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Jul-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Aug-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Sep-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, FP	Oct-17	XXE	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D

10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D

10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Dec-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Dec-16	XXF	D

10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Dec-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Dec-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Dec-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Dec-16	XXF	D
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Nov-16	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Dec-16	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Jan-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Feb-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Mar-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Apr-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	May-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Jun-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Jul-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Aug-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Sep-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, GDD	Oct-17	XXG	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Nov-16	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Dec-16	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Jan-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Feb-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Mar-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Apr-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	May-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Jun-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Jul-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Aug-17	XXH	F

10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Sep-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Oct-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Nov-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Dec-17	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Jan-18	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Feb-18	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, BS, LD1	Mar-18	XXH	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Nov-16	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Dec-16	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jan-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Feb-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Mar-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Apr-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	May-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jun-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jul-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Aug-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Sep-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Oct-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Nov-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Dec-17	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jan-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Feb-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Mar-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Apr-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	May-18	XXI	F

10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jun-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jul-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Aug-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Sep-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Oct-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Nov-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Dec-18	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jan-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Feb-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Mar-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Apr-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	May-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jun-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Jul-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Aug-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Sep-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Oct-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Nov-19	XXI	F
10/4/16	TGP-Z0 North	NG Firm Phys, ID, IF	Dec-19	XXI	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D

10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D

10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXJ	D

10/4/16	EGT-Flex	NG Firm Phys, FP	Dec-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Dec-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Dec-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Dec-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Dec-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Dec-16	XXJ	D
10/4/16	EGT-Flex	NG Firm Phys, FP	Nov-16	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Dec-16	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Jan-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Feb-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Mar-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Apr-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	May-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Jun-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Jul-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Aug-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Sep-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, FP	Oct-17	XXK	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D

10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D

10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Dec-16	XXL	D

10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Dec-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Dec-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Dec-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Dec-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Dec-16	XXL	D
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Nov-16	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Dec-16	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Jan-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Feb-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Mar-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Apr-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	May-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Jun-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Jul-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Aug-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Sep-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, ID, GDD	Oct-17	XXM	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Nov-16	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Dec-16	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Jan-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Feb-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Mar-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Apr-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	May-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Jun-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Jul-17	XXN	F

10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Aug-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Sep-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Oct-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Nov-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Dec-17	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Jan-18	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Feb-18	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, BS, LD1	Mar-18	XXN	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Nov-16	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Dec-16	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jan-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Feb-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Mar-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Apr-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	May-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jun-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jul-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Aug-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Sep-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Oct-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Nov-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Dec-17	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jan-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Feb-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Mar-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Apr-18	XXO	F

10/4/16	EGT-Flex	NG Firm Phys, ID, IF	May-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jun-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jul-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Aug-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Sep-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Oct-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Nov-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Dec-18	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jan-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Feb-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Mar-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Apr-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	May-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jun-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Jul-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Aug-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Sep-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Oct-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Nov-19	XXO	F
10/4/16	EGT-Flex	NG Firm Phys, ID, IF	Dec-19	XXO	F
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D

10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Oct-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D

10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D

10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Dec-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Dec-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Dec-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Dec-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Dec-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Dec-16	XXP	D
10/4/16	Opal	NG Firm Phys, FP	Nov-16	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Dec-16	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Jan-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Feb-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Mar-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Apr-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	May-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Jun-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Jul-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Aug-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Sep-17	XXQ	F
10/4/16	Opal	NG Firm Phys, FP	Oct-17	XXQ	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D

10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D

10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXR	D

10/4/16	Opal	NG Firm Phys, ID, GDD	Dec-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Dec-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Dec-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Dec-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Dec-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Dec-16	XXR	D
10/4/16	Opal	NG Firm Phys, ID, GDD	Nov-16	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Dec-16	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Jan-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Feb-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Mar-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Apr-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	May-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Jun-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Jul-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Aug-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Sep-17	XXS	F
10/4/16	Opal	NG Firm Phys, ID, GDD	Oct-17	XXS	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Nov-16	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Dec-16	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Jan-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Feb-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Mar-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Apr-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	May-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Jun-17	XXT	F

10/4/16	Opal	NG Firm Phys, BS, LD1	Jul-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Aug-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Sep-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Oct-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Nov-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Dec-17	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Jan-18	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Feb-18	XXT	F
10/4/16	Opal	NG Firm Phys, BS, LD1	Mar-18	XXT	F
10/4/16	Opal	NG Firm Phys, ID, IF	Nov-16	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Dec-16	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jan-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Feb-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Mar-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Apr-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	May-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jun-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jul-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Aug-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Sep-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Oct-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Nov-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Dec-17	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jan-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Feb-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Mar-18	XXU	F

10/4/16	Opal	NG Firm Phys, ID, IF	Apr-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	May-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jun-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jul-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Aug-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Sep-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Oct-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Nov-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Dec-18	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jan-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Feb-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Mar-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Apr-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	May-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jun-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Jul-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Aug-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Sep-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Oct-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Nov-19	XXU	F
10/4/16	Opal	NG Firm Phys, ID, IF	Dec-19	XXU	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D

10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D

10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D

10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-16	XY1	D
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-16	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-16	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jan-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Feb-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Mar-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Apr-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	May-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jun-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jul-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Aug-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Sep-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-17	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jan-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Feb-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Mar-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Apr-18	XY2	F

10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	May-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jun-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jul-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Aug-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Sep-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-18	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jan-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Feb-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Mar-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Apr-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	May-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jun-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jul-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Aug-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Sep-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-19	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jan-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Feb-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Mar-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Apr-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	May-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jun-20	XY2	F

10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jul-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Aug-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Sep-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Nov-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Dec-20	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jan-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Feb-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Mar-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Apr-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	May-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jun-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Jul-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Aug-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Sep-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, FP (US/MM)	Oct-21	XY2	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XY3	F

10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XY3	F

10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Nov-21	XY3	F
10/4/16	TCPL - Emerson 1	NGX Phys FUT, BS, LD1 (US/MM)	Dec-21	XY3	F

10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D

10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D

10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XY6	D
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jan-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Feb-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Mar-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Apr-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	May-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jun-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jul-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Aug-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Sep-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-17	XY7	F

10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-17	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jan-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Feb-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Mar-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Apr-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	May-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jun-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jul-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Aug-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Sep-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-18	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jan-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Feb-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Mar-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Apr-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	May-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jun-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jul-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Aug-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Sep-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-19	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jan-20	XY7	F

10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Feb-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Mar-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Apr-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	May-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jun-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jul-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Aug-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Sep-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Nov-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Dec-20	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jan-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Feb-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Mar-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Apr-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	May-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jun-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Jul-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Aug-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Sep-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, FP (US/MM)	Oct-21	XY7	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XY8	F

10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XY8	F

10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XY8	F

10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-21	XY8	F
10/4/16	TCPL - GMI EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-21	XY8	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D

10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
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10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D

10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Dec-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Dec-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Dec-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Dec-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Dec-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Dec-16	XYT	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Nov-16	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Dec-16	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Jan-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Feb-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Mar-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Apr-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	May-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Jun-17	XYU	F

10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Jul-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Aug-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Sep-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, FP	Oct-17	XYU	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
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10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D

10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D

10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Dec-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Dec-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Dec-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Dec-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Dec-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Dec-16	XYV	D
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Nov-16	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Dec-16	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Jan-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Feb-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Mar-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Apr-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	May-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Jun-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Jul-17	XYW	F

10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Aug-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Sep-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, GDD	Oct-17	XYW	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Nov-16	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Dec-16	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Jan-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Feb-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Mar-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Apr-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	May-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Jun-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Jul-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Aug-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Sep-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Oct-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Nov-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Dec-17	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Jan-18	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Feb-18	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, BS, LD1	Mar-18	XYX	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Nov-16	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Dec-16	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jan-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Feb-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Mar-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Apr-17	XYY	F

10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	May-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jun-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jul-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Aug-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Sep-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Oct-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Nov-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Dec-17	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jan-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Feb-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Mar-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Apr-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	May-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jun-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jul-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Aug-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Sep-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Oct-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Nov-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Dec-18	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jan-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Feb-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Mar-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Apr-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	May-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jun-19	XYY	F

10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Jul-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Aug-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Sep-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Oct-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Nov-19	XYY	F
10/4/16	Oasis - Waha Pool	NG Firm Phys, ID, IF	Dec-19	XYY	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D

10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D

10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Dec-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Dec-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Dec-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Dec-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Dec-16	XYZ	D
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Dec-16	XYZ	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D

10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D

10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ1	D

10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XZ1	D
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-16	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-16	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jan-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Feb-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Mar-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Apr-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	May-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jun-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jul-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Aug-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Sep-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-17	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jan-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Feb-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Mar-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Apr-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	May-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jun-18	XZ2	F

10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jul-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Aug-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Sep-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-18	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jan-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Feb-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Mar-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Apr-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	May-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jun-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jul-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Aug-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Sep-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-19	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jan-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Feb-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Mar-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Apr-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	May-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jun-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jul-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Aug-20	XZ2	F

10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Sep-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Nov-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Dec-20	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jan-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Feb-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Mar-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Apr-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	May-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jun-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Jul-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Aug-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Sep-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, FP (US/MM)	Oct-21	XZ2	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	XZ3	F

10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	XZ3	F

10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	May-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Nov-21	XZ3	F
10/4/16	TCPL - Enbridge EDA	NGX Phys FUT, BS, LD1 (US/MM)	Dec-21	XZ3	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Nov-16	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Dec-16	XZA	F

10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Jan-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Feb-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Mar-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Apr-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	May-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Jun-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Jul-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Aug-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Sep-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, FP	Oct-17	XZA	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D

10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D

10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Dec-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Dec-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Dec-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Dec-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Dec-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Dec-16	XZB	D
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Nov-16	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Dec-16	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Jan-17	XZC	F

10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Feb-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Mar-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Apr-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	May-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Jun-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Jul-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Aug-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Sep-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, GDD	Oct-17	XZC	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Nov-16	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Dec-16	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Jan-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Feb-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Mar-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Apr-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	May-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Jun-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Jul-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Aug-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Sep-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Oct-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Nov-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Dec-17	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Jan-18	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Feb-18	XZD	F
10/4/16	HSC-HPL Pool	NG Firm Phys, BS, LD1	Mar-18	XZD	F

10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Nov-16	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Dec-16	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jan-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Feb-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Mar-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Apr-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	May-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jun-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jul-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Aug-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Sep-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Oct-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Nov-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Dec-17	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jan-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Feb-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Mar-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Apr-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	May-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jun-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jul-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Aug-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Sep-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Oct-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Nov-18	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Dec-18	XZE	F

10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jan-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Feb-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Mar-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Apr-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	May-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jun-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Jul-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Aug-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Sep-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Oct-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Nov-19	XZE	F
10/4/16	HSC-HPL Pool	NG Firm Phys, ID, IF	Dec-19	XZE	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D

10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D

10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Dec-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Dec-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Dec-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Dec-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Dec-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Dec-16	XZF	D
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Nov-16	XZG	F

10/4/16	TGP-Z0 South	NG Firm Phys, FP	Dec-16	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Jan-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Feb-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Mar-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Apr-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	May-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Jun-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Jul-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Aug-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Sep-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, FP	Oct-17	XZG	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D

10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D

10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Dec-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Dec-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Dec-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Dec-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Dec-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Dec-16	XZH	D
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Nov-16	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Dec-16	XZI	F

10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Jan-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Feb-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Mar-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Apr-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	May-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Jun-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Jul-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Aug-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Sep-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, GDD	Oct-17	XZI	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Nov-16	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Dec-16	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Jan-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Feb-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Mar-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Apr-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	May-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Jun-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Jul-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Aug-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Sep-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Oct-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Nov-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Dec-17	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Jan-18	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Feb-18	XZJ	F

10/4/16	TGP-Z0 South	NG Firm Phys, BS, LD1	Mar-18	XZJ	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Nov-16	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Dec-16	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jan-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Feb-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Mar-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Apr-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	May-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jun-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jul-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Aug-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Sep-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Oct-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Nov-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Dec-17	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jan-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Feb-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Mar-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Apr-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	May-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jun-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jul-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Aug-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Sep-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Oct-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Nov-18	XZK	F

10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Dec-18	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jan-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Feb-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Mar-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Apr-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	May-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jun-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Jul-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Aug-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Sep-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Oct-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Nov-19	XZK	F
10/4/16	TGP-Z0 South	NG Firm Phys, ID, IF	Dec-19	XZK	F
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D

10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D

10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Dec-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Dec-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Dec-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Dec-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Dec-16	XZL	D
10/4/16	ANR-SW	NG Firm Phys, FP	Dec-16	XZL	D

10/4/16	ANR-SW	NG Firm Phys, FP	Nov-16	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Dec-16	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Jan-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Feb-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Mar-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Apr-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	May-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Jun-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Jul-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Aug-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Sep-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, FP	Oct-17	XZM	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D

10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D

10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Dec-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Dec-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Dec-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Dec-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Dec-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Dec-16	XZN	D
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Nov-16	XZO	F

10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Dec-16	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Jan-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Feb-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Mar-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Apr-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	May-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Jun-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Jul-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Aug-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Sep-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, ID, GDD	Oct-17	XZO	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Nov-16	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Dec-16	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Jan-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Feb-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Mar-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Apr-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	May-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Jun-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Jul-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Aug-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Sep-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Oct-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Nov-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Dec-17	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Jan-18	XZP	F

10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Feb-18	XZP	F
10/4/16	ANR-SW	NG Firm Phys, BS, LD1	Mar-18	XZP	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Nov-16	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Dec-16	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jan-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Feb-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Mar-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Apr-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	May-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jun-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jul-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Aug-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Sep-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Oct-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Nov-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Dec-17	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jan-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Feb-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Mar-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Apr-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	May-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jun-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jul-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Aug-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Sep-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Oct-18	XZQ	F

10/4/16	ANR-SW	NG Firm Phys, ID, IF	Nov-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Dec-18	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jan-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Feb-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Mar-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Apr-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	May-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jun-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Jul-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Aug-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Sep-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Oct-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Nov-19	XZQ	F
10/4/16	ANR-SW	NG Firm Phys, ID, IF	Dec-19	XZQ	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D

10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D

10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Dec-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Dec-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Dec-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Dec-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Dec-16	XZR	D

10/4/16	TETCO-M3	NG Firm Phys, FP	Dec-16	XZR	D
10/4/16	TETCO-M3	NG Firm Phys, FP	Nov-16	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Dec-16	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Jan-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Feb-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Mar-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Apr-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	May-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Jun-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Jul-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Aug-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Sep-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, FP	Oct-17	XZS	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D

10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D

10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Dec-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Dec-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Dec-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Dec-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Dec-16	XZT	D
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Dec-16	XZT	D

10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Nov-16	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Dec-16	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Jan-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Feb-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Mar-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Apr-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	May-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Jun-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Jul-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Aug-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Sep-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, ID, GDD	Oct-17	XZU	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Nov-16	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Dec-16	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Jan-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Feb-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Mar-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Apr-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	May-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Jun-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Jul-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Aug-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Sep-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Oct-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Nov-17	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Dec-17	XZV	F

10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Jan-18	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Feb-18	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, BS, LD1	Mar-18	XZV	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Nov-16	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Dec-16	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jan-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Feb-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Mar-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Apr-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	May-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jun-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jul-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Aug-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Sep-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Oct-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Nov-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Dec-17	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jan-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Feb-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Mar-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Apr-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	May-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jun-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jul-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Aug-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Sep-18	XZW	F

10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Oct-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Nov-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Dec-18	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jan-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Feb-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Mar-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Apr-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	May-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jun-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Jul-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Aug-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Sep-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Oct-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Nov-19	XZW	F
10/4/16	TETCO-M3	NG Firm Phys, ID, IF	Dec-19	XZW	F
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Oct-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Nov-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-16	YAE	D

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (US/MM)	Dec-16	YAE	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Oct-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D

10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Nov-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-16	YAF	D
10/4/16	AB-NIT	NGX Fin SS, FP for 5A, (CA/GJ)	Dec-16	YAF	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Dec-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Dec-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Dec-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Dec-16	YAG	D

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Dec-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Dec-16	YAG	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Nov-16	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Dec-16	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Jan-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Feb-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Mar-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Apr-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	May-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Jun-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Jul-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Aug-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Sep-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, FP	Oct-17	YAH	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Nov-16	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Dec-16	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Jan-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Feb-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Mar-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Apr-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	May-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Jun-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Jul-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Aug-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Sep-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Oct-17	YAI	F

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Nov-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Dec-17	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Jan-18	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Feb-18	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, BS, LD1	Mar-18	YAI	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Dec-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Dec-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Dec-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Dec-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Dec-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Dec-16	YAJ	D
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Nov-16	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Dec-16	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Jan-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Feb-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Mar-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Apr-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	May-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Jun-17	YAK	F

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Jul-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Aug-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Sep-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, GDD	Oct-17	YAK	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Nov-16	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Dec-16	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jan-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Feb-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Mar-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Apr-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	May-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jun-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jul-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Aug-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Sep-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Oct-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Nov-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Dec-17	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jan-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Feb-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Mar-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Apr-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	May-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jun-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jul-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Aug-18	YAL	F

10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Sep-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Oct-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Nov-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Dec-18	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jan-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Feb-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Mar-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Apr-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	May-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jun-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Jul-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Aug-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Sep-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Oct-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Nov-19	YAL	F
10/4/16	TETCO-M2 (receipt)	NG Firm Phys, ID, IF	Dec-19	YAL	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D

10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D

10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Dec-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Dec-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Dec-16	YAS	D

10/4/16	REX E-ANR	NG Firm Phys, FP	Dec-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Dec-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Dec-16	YAS	D
10/4/16	REX E-ANR	NG Firm Phys, FP	Nov-16	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Dec-16	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Jan-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Feb-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Mar-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Apr-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	May-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Jun-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Jul-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Aug-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Sep-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, FP	Oct-17	YAT	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Nov-16	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Dec-16	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Jan-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Feb-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Mar-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Apr-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	May-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Jun-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Jul-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Aug-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Sep-17	YAU	F

10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Oct-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Nov-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Dec-17	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Jan-18	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Feb-18	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, BS, LD1	Mar-18	YAU	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Oct-16	YAV	D
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Oct-16	YAV	D
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10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Nov-16	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Dec-16	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Jan-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Feb-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Mar-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Apr-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	May-17	YAW	F

10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Jun-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Jul-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Aug-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Sep-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, GDD	Oct-17	YAW	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Nov-16	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Dec-16	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jan-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Feb-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Mar-17	YAX	F
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10/4/16	REX E-ANR	NG Firm Phys, ID, IF	May-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jun-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jul-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Aug-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Sep-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Oct-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Nov-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Dec-17	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jan-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Feb-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Mar-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Apr-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	May-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jun-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jul-18	YAX	F

10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Aug-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Sep-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Oct-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Nov-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Dec-18	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jan-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Feb-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Mar-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Apr-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	May-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jun-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Jul-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Aug-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Sep-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Oct-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Nov-19	YAX	F
10/4/16	REX E-ANR	NG Firm Phys, ID, IF	Dec-19	YAX	F
10/4/16	Millennium East Pool	NG Firm Phys, FP	Oct-16	YAY	D
10/4/16	Millennium East Pool	NG Firm Phys, FP	Oct-16	YAY	D
10/4/16	Millennium East Pool	NG Firm Phys, FP	Oct-16	YAY	D
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10/4/16	Millennium East Pool	NG Firm Phys, FP	Oct-16	YAY	D
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10/4/16	Millennium East Pool	NG Firm Phys, FP	Nov-16	YAY	D
10/4/16	Millennium East Pool	NG Firm Phys, FP	Nov-16	YAY	D

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10/4/16	Millennium East Pool	NG Firm Phys, FP	Jan-17	YAZ	F
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10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D

10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Dec-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Dec-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Dec-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Dec-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Dec-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Dec-16	YBB	D
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Nov-16	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Dec-16	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Jan-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Feb-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Mar-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Apr-17	YBC	F

10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	May-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Jun-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Jul-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Aug-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Sep-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, GDD	Oct-17	YBC	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Nov-16	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Dec-16	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jan-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Feb-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Mar-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Apr-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	May-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jun-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jul-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Aug-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Sep-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Oct-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Nov-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Dec-17	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jan-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Feb-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Mar-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Apr-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	May-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jun-18	YBD	F

10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jul-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Aug-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Sep-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Oct-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Nov-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Dec-18	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jan-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Feb-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Mar-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Apr-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	May-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jun-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Jul-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Aug-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Sep-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Oct-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Nov-19	YBD	F
10/4/16	Millennium East Pool	NG Firm Phys, ID, IF	Dec-19	YBD	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D

10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D

10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-16	YBE	D

10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-16	YBE	D
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-16	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-16	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jan-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Feb-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Mar-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Apr-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	May-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jun-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jul-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Aug-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Sep-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-17	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jan-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Feb-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Mar-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Apr-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	May-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jun-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jul-18	YBF	F

10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Aug-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Sep-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-18	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jan-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Feb-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Mar-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Apr-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	May-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jun-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jul-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Aug-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Sep-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-19	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jan-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Feb-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Mar-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Apr-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	May-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jun-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jul-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Aug-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Sep-20	YBF	F

10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Nov-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Dec-20	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jan-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Feb-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Mar-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Apr-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	May-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jun-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Jul-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Aug-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Sep-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, FP (US/MM)	Oct-21	YBF	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Nov-16	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Dec-16	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jan-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Feb-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Mar-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Apr-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	May-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jun-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jul-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Aug-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Sep-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Oct-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Nov-17	YBG	F

10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Dec-17	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jan-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Feb-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Mar-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Apr-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	May-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jun-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jul-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Aug-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Sep-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Oct-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Nov-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Dec-18	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jan-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Feb-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Mar-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Apr-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	May-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jun-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jul-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Aug-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Sep-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Oct-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Nov-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Dec-19	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jan-20	YBG	F

10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Feb-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Mar-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Apr-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	May-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jun-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jul-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Aug-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Sep-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Oct-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Nov-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Dec-20	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jan-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Feb-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Mar-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Apr-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	May-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jun-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Jul-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Aug-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Sep-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Oct-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Nov-21	YBG	F
10/4/16	TCPL - East Hereford	NGX Phys FUT, BS, LD1 (US/MM)	Dec-21	YBG	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YBJ	D

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YBJ	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jan-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Feb-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Mar-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Apr-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	May-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jun-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jul-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Aug-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Sep-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-17	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jan-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Feb-18	YBK	F

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Mar-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Apr-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	May-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jun-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jul-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Aug-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Sep-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-18	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jan-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Feb-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Mar-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Apr-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	May-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jun-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jul-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Aug-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Sep-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-19	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jan-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Feb-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Mar-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Apr-20	YBK	F

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	May-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jun-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jul-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Aug-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Sep-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-20	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jan-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Feb-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Mar-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Apr-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	May-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jun-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Jul-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Aug-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Sep-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-21	YBK	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D

10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D

10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-16	YBL	D

10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-16	YBL	D
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-16	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-16	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jan-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Feb-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Mar-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Apr-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	May-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jun-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jul-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Aug-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Sep-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-17	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jan-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Feb-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Mar-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Apr-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	May-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jun-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jul-18	YBM	F

10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Aug-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Sep-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-18	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jan-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Feb-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Mar-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Apr-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	May-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jun-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jul-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Aug-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Sep-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-19	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jan-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Feb-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Mar-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Apr-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	May-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jun-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jul-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Aug-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Sep-20	YBM	F

10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Nov-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Dec-20	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jan-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Feb-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Mar-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Apr-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	May-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jun-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Jul-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Aug-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Sep-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, FP (US/MM)	Oct-21	YBM	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-16	YBN	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-16	YBN	D

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-16	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-16	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jan-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Feb-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Mar-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Apr-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	May-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jun-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jul-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Aug-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Sep-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-17	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jan-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Feb-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Mar-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Apr-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	May-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jun-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jul-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Aug-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Sep-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-18	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-18	YBO	F

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jan-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Feb-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Mar-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Apr-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	May-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jun-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jul-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Aug-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Sep-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-19	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jan-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Feb-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Mar-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Apr-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	May-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jun-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jul-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Aug-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Sep-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Nov-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Dec-20	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jan-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Feb-21	YBO	F

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Mar-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Apr-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	May-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jun-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Jul-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Aug-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Sep-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Same Day (CA/GJ)	Oct-21	YBO	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-16	YBP	D
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-16	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-16	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jan-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Feb-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Mar-17	YBQ	F

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Apr-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	May-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jun-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jul-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Aug-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Sep-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-17	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jan-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Feb-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Mar-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Apr-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	May-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jun-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jul-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Aug-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Sep-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-18	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jan-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Feb-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Mar-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Apr-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	May-19	YBQ	F

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jun-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jul-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Aug-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Sep-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-19	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jan-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Feb-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Mar-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Apr-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	May-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jun-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jul-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Aug-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Sep-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Nov-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Dec-20	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jan-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Feb-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Mar-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Apr-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	May-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jun-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Jul-21	YBQ	F

10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Aug-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Sep-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, ATP Day Ahead (CA/GJ)	Oct-21	YBQ	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	YBR	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-16	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-16	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-17	YBS	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-17	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-18	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-19	YBS	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-19	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Nov-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Dec-20	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jan-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Feb-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Mar-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Apr-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	May-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jun-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Jul-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Aug-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Sep-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 2a NGX (CA/GJ)	Oct-21	YBS	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	YBT	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-16	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-16	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-17	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-18	YBU	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-18	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-19	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-20	YBU	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Nov-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Dec-20	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jan-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Feb-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Mar-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Apr-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	May-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jun-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Jul-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Aug-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Sep-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (CA/GJ)	Oct-21	YBU	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBV	D

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	YBV	D
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-16	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-16	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	May-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-17	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	May-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-18	YBW	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-18	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	May-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-19	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	May-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-20	YBW	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Nov-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Dec-20	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jan-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Feb-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Mar-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Apr-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	May-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jun-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Jul-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Aug-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Sep-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 5a NGX (US/MM)	Oct-21	YBW	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-16	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-16	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-17	YBX	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-17	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-18	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-19	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-19	YBX	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Nov-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Dec-20	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jan-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Feb-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Mar-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Apr-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	May-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jun-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Jul-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Aug-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Sep-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (CA/GJ)	Oct-21	YBX	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-16	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-16	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-17	YBY	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	May-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-17	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	May-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-18	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-19	YBY	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	May-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-19	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	May-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Nov-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Dec-20	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jan-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Feb-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Mar-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Apr-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	May-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jun-21	YBY	F

10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Jul-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Aug-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Sep-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, 7a NGX (US/MM)	Oct-21	YBY	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D

10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D

10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	YBZ	D
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-16	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-16	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-17	YCA	F

10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-17	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-18	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-19	YCA	F

10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-19	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Nov-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Dec-20	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jan-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Feb-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Mar-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Apr-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	May-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jun-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Jul-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Aug-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Sep-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Oct-21	YCA	F
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Oct-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D

10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Nov-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YCF	D
10/4/16	APC-ATP	NGX Phys FUT, FP (CA/GJ)	Dec-16	YCF	D
10/4/16	Stagecoach	NG Firm Phys, FP	Nov-16	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Dec-16	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Jan-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Feb-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Mar-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Apr-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	May-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Jun-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Jul-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Aug-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Sep-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, FP	Oct-17	YCH	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Nov-16	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Dec-16	YCI	F

10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Jan-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Feb-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Mar-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Apr-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	May-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Jun-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Jul-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Aug-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Sep-17	YCI	F
10/4/16	Stagecoach	NG Firm Phys, BS, LD1	Oct-17	YCI	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Dec-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Dec-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Dec-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Dec-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Dec-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Dec-16	YDZ	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Nov-16	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Dec-16	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Jan-17	YEA	F

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Feb-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Mar-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Apr-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	May-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Jun-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Jul-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Aug-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Sep-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, FP	Oct-17	YEA	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Nov-16	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Dec-16	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Jan-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Feb-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Mar-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Apr-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	May-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Jun-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Jul-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Aug-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Sep-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Oct-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Nov-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Dec-17	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Jan-18	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Feb-18	YEB	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, BS, LD1	Mar-18	YEB	F

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Dec-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Dec-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Dec-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Dec-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Dec-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Dec-16	YEC	D
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Nov-16	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Dec-16	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Jan-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Feb-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Mar-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Apr-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	May-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Jun-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Jul-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Aug-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Sep-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, GDD	Oct-17	YED	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Nov-16	YEE	F

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Dec-16	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jan-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Feb-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Mar-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Apr-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	May-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jun-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jul-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Aug-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Sep-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Oct-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Nov-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Dec-17	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jan-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Feb-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Mar-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Apr-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	May-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jun-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jul-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Aug-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Sep-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Oct-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Nov-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Dec-18	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jan-19	YEE	F

10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Feb-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Mar-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Apr-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	May-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jun-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Jul-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Aug-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Sep-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Oct-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Nov-19	YEE	F
10/4/16	Transco-Z6 (non-NY north ML)	NG Firm Phys, ID, IF	Dec-19	YEE	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D

10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D

10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Dec-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Dec-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Dec-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Dec-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Dec-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Dec-16	YEF	D
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Nov-16	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Dec-16	YEG	F

10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Jan-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Feb-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Mar-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Apr-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	May-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Jun-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Jul-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Aug-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Sep-17	YEG	F
10/4/16	GTN-Kingsgate	NG Firm Phys, FP	Oct-17	YEG	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Nov-16	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Dec-16	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jan-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Feb-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Mar-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Apr-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	May-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jun-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jul-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Aug-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Sep-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Oct-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Nov-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Dec-17	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jan-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Feb-18	YEH	F

10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Mar-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Apr-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	May-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jun-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jul-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Aug-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Sep-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Oct-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Nov-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Dec-18	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jan-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Feb-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Mar-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Apr-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	May-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jun-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Jul-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Aug-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Sep-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Oct-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Nov-19	YEH	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, IF	Dec-19	YEH	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D

10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D

10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D

10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Dec-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Dec-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Dec-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Dec-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Dec-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Dec-16	YEI	D
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Nov-16	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Dec-16	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Jan-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Feb-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Mar-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Apr-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	May-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Jun-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Jul-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Aug-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Sep-17	YEJ	F
10/4/16	GTN-Kingsgate	NG Firm Phys, ID, GDD	Oct-17	YEJ	F
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D

10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D

10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D

10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Nov-16	YEK	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Dec-16	YEK	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Dec-16	YEK	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Dec-16	YEL	F
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10/4/16	KRGT-Del Pool	NG Firm Phys, FP	Oct-17	YEL	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Oct-16	YEM	D
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Oct-16	YEM	D
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Oct-16	YEM	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Oct-16	YEM	D
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Oct-16	YEM	D

10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Oct-16	YEM	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Nov-16	YEM	D
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Nov-16	YEM	D

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10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Nov-16	YEM	D
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Nov-16	YEM	D

10/4/16	KRGT-Del Pool	NG Firm Phys, ID, GDD	Nov-16	YEM	D
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10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Dec-16	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Jan-17	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Feb-17	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Mar-17	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Apr-17	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	May-17	YEO	F

10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Jun-17	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Jul-17	YEO	F
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10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Apr-19	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	May-19	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Jun-19	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Jul-19	YEO	F

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10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Sep-19	YEO	F
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10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Nov-19	YEO	F
10/4/16	KRGT-Del Pool	NG Firm Phys, ID, NGI	Dec-19	YEO	F
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10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	Jan-17	YEQ	F
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10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	Mar-17	YEQ	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	Apr-17	YEQ	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	May-17	YEQ	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	Jun-17	YEQ	F

10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	Jul-17	YEQ	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	Aug-17	YEQ	F
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10/4/16	KRGT-Rec Pool	NG Firm Phys, FP	Oct-17	YEQ	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, GDD	Oct-16	YER	D
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10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, GDD	Jun-17	YES	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, GDD	Jul-17	YES	F

10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, GDD	Aug-17	YES	F
10/4/16	KRGT-Rec Pool	NG Firm Phys, ID, GDD	Sep-17	YES	F
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10/4/16	Sonat-Z0 South	NG Firm Phys, FP	Jul-17	YEU	F
10/4/16	Sonat-Z0 South	NG Firm Phys, FP	Aug-17	YEU	F

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10/4/16	Sonat-Z0 South	NG Firm Phys, FP	Oct-17	YEU	F
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10/4/16	Sonat-Z0 South	NG Firm Phys, ID, GDD	Nov-16	YEW	D
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, GDD	Nov-16	YEW	D

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10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Nov-16	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Dec-16	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jan-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Feb-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Mar-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Apr-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	May-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jun-17	YEY	F

10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jul-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Aug-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Sep-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Oct-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Nov-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Dec-17	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jan-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Feb-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Mar-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Apr-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	May-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jun-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jul-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Aug-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Sep-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Oct-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Nov-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Dec-18	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jan-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Feb-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Mar-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Apr-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	May-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jun-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Jul-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Aug-19	YEY	F

10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Sep-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Oct-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Nov-19	YEY	F
10/4/16	Sonat-Z0 South	NG Firm Phys, ID, IF	Dec-19	YEY	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YEZ	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Dec-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Dec-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Dec-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Dec-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Dec-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Dec-16	YEZ	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Nov-16	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Dec-16	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Jan-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Feb-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Mar-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Apr-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	May-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Jun-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Jul-17	YFA	F

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Aug-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Sep-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, FP	Oct-17	YFA	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Dec-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Dec-16	YFB	D
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10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Dec-16	YFB	D
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Nov-16	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Dec-16	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Jan-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Feb-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Mar-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Apr-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	May-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Jun-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Jul-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Aug-17	YFC	F

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Sep-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, GDD	Oct-17	YFC	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Nov-16	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Dec-16	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jan-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Feb-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Mar-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Apr-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	May-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jun-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jul-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Aug-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Sep-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Oct-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Nov-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Dec-17	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jan-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Feb-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Mar-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Apr-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	May-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jun-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jul-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Aug-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Sep-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Oct-18	YFD	F

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Nov-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Dec-18	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jan-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Feb-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Mar-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Apr-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	May-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jun-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Jul-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Aug-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Sep-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Oct-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Nov-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, ID, IF	Dec-19	YFD	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Nov-16	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Dec-16	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Jan-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Feb-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Mar-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Apr-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	May-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Jun-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Jul-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Aug-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Sep-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Oct-17	YFE	F

10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Nov-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Dec-17	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Jan-18	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Feb-18	YFE	F
10/4/16	Transco-Z6 Sta-210	NG Firm Phys, BS, LD1	Mar-18	YFE	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
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10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D

10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
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10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
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10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D

10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
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10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Dec-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Dec-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Dec-16	YFF	D
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10/4/16	Transco-Z5 South	NG Firm Phys, FP	Dec-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Dec-16	YFF	D
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Nov-16	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Dec-16	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Jan-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Feb-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Mar-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Apr-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	May-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Jun-17	YFG	F

10/4/16	Transco-Z5 South	NG Firm Phys, FP	Jul-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Aug-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Sep-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, FP	Oct-17	YFG	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D

10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D

10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFH	D
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10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Dec-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Dec-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Dec-16	YFH	D
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10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Dec-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Dec-16	YFH	D
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Nov-16	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Dec-16	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Jan-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Feb-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Mar-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Apr-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	May-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Jun-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Jul-17	YFI	F

10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Aug-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Sep-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, GDD	Oct-17	YFI	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Nov-16	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Dec-16	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jan-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Feb-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Mar-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Apr-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	May-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jun-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jul-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Aug-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Sep-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Oct-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Nov-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Dec-17	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jan-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Feb-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Mar-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Apr-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	May-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jun-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jul-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Aug-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Sep-18	YFJ	F

10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Oct-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Nov-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Dec-18	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jan-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Feb-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Mar-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Apr-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	May-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jun-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Jul-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Aug-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Sep-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Oct-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Nov-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, ID, IF	Dec-19	YFJ	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Nov-16	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Dec-16	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Jan-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Feb-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Mar-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Apr-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	May-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Jun-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Jul-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Aug-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Sep-17	YFK	F

10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Oct-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Nov-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Dec-17	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Jan-18	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Feb-18	YFK	F
10/4/16	Transco-Z5 South	NG Firm Phys, BS, LD1	Mar-18	YFK	F

STRIKE	SETTLEMENT PRICI	NET CHANGE	EXPIRATION DATE	PRODUCT_ID
	-0.79750	0.00750	10/27/16	882
	-0.93250	0.00500	11/28/16	882
	-0.96600	0.00750	12/28/16	882
	-0.96350	0.00750	1/27/17	882
	-0.96350	0.00250	2/24/17	882
	-0.92600	0.00500	3/29/17	882
	-0.93350	0.00000	4/26/17	882
	-0.95850	0.00000	5/26/17	882
	-0.96850	0.00000	6/28/17	882
	-0.97100	0.00000	7/27/17	882
	-0.91100	0.00000	8/29/17	882
	-0.86350	0.00000	9/27/17	882
	-0.77600	0.01000	10/27/17	882
	-0.79600	0.01000	11/28/17	882
	-0.81600	0.01000	12/27/17	882
	-0.80600	0.01000	1/29/18	882
	-0.80600	0.01000	2/26/18	882
	-0.75850	0.00500	3/27/18	882
	-0.80600	0.00000	4/26/18	882
	-0.83350	0.00000	5/29/18	882
	-0.86600	0.00000	6/27/18	882
	-0.87350	-0.00010	7/27/18	882
	-0.82850	-0.00010	8/29/18	882
	-0.84100	-0.00010	9/26/18	882

	-0.70850	0.00990	10/29/18	882
	-0.75100	0.00990	11/28/18	882
	-0.76600	0.00990	12/27/18	882
	-0.75850	0.00990	1/29/19	882
	-0.75100	0.00990	2/26/19	882
	-0.71350	0.01740	3/27/19	882
	-0.76350	0.01240	4/26/19	882
	-0.80100	0.01240	5/29/19	882
	-0.84100	0.01240	6/26/19	882
	-0.84350	0.01240	7/29/19	882
	-0.79600	0.01240	8/28/19	882
	-0.81100	0.01240	9/26/19	882
	-0.70100	0.00990	10/29/19	882
	-0.72350	0.00990	11/26/19	882
	-0.79340	0.01000	12/27/19	882
	-0.77590	0.01000	1/29/20	882
	-0.75090	0.01000	2/26/20	882
	-0.71840	0.02500	3/27/20	882
	-0.77840	0.02000	4/28/20	882
	-0.80090	0.02000	5/27/20	882
	-0.82590	0.02000	6/26/20	882
	-0.86090	0.02000	7/29/20	882
	-0.77590	0.02000	8/27/20	882
	-0.80090	0.02000	9/28/20	882
	-0.74590	0.01000	10/28/20	882
	-0.76840	0.01000	11/25/20	882

	-0.77840	0.01000	12/29/20	882
	-0.76590	0.01000	1/27/21	882
	-0.73590	0.01000	2/24/21	882
	-0.72590	0.02500	3/29/21	882
	-0.77590	0.02000	4/28/21	882
	-0.81090	0.02000	5/26/21	882
	-0.81840	0.02000	6/28/21	882
	-0.86340	0.02000	7/28/21	882
	-0.80590	0.02000	8/27/21	882
	-0.81090	0.02000	9/28/21	882
	0.00000	0.00000	10/31/16	961
	0.00000	0.00000	11/30/16	961
	0.00000	0.00000	12/30/16	961
	0.00000	0.00000	1/31/17	961
	0.00000	0.00000	2/28/17	961
	0.00000	0.00000	3/31/17	961
	0.00000	0.00000	4/28/17	961
	0.00000	0.00000	5/31/17	961
	0.00000	0.00000	6/30/17	961
	0.00000	0.00000	7/31/17	961
	0.00000	0.00000	8/31/17	961
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	1.90850	-0.01310	7/31/18	937
	1.94450	-0.01410	8/31/18	937
	1.96300	-0.01510	9/28/18	937
	2.14850	-0.00610	10/31/18	937
	2.25300	-0.00610	11/30/18	937
	2.34300	-0.00610	12/31/18	937
	2.31350	-0.00810	1/31/19	937
	2.25500	-0.00910	2/28/19	937
	1.94250	0.00540	3/29/19	937
	1.88450	0.00040	4/30/19	937
	1.87700	0.00040	5/31/19	937
	1.87100	0.00040	6/28/19	937
	1.88150	0.00040	7/31/19	937
	1.91700	0.00040	8/30/19	937
	1.93000	0.00040	9/30/19	937
	2.10500	-0.00210	10/31/19	937
	2.22750	-0.00210	11/29/19	937

	2.28260	-0.00400	12/31/19	937
	2.26510	-0.00400	1/31/20	937
	2.22510	-0.00400	2/28/20	937
	1.94260	0.00600	3/31/20	937
	1.87560	0.00100	4/30/20	937
	1.88510	0.00100	5/29/20	937
	1.89710	0.00100	6/30/20	937
	1.89010	0.00100	7/31/20	937
	1.98010	0.00100	8/31/20	937
	1.98910	0.00100	9/30/20	937
	2.12110	-0.00900	10/30/20	937
	2.25160	-0.00900	11/30/20	937
	2.38660	-0.00900	12/31/20	937
	2.36410	-0.00900	1/29/21	937
	2.32910	-0.00900	2/26/21	937
	2.02410	0.00600	3/31/21	937
	1.96810	0.00100	4/30/21	937
	1.96510	0.00100	5/31/21	937
	1.99460	0.00100	6/30/21	937
	1.98360	0.00100	7/30/21	937
	2.04610	0.00100	8/31/21	937
	2.08010	0.00100	9/30/21	937
	3.16400	0.01350	10/31/16	930
	3.60300	0.00550	11/30/16	930
	3.79200	0.00100	12/30/16	930
	3.82900	0.00000	1/31/17	930

	3.79100	0.00800	2/28/17	930
	3.27800	0.01550	3/31/17	930
	3.10000	0.00700	4/28/17	930
	3.05300	0.00100	5/31/17	930
	3.06900	0.00000	6/30/17	930
	3.07300	-0.00100	7/31/17	930
	3.05600	-0.00200	8/31/17	930
	3.08900	-0.00300	9/29/17	930
	3.33300	-0.00500	10/31/17	930
	3.46500	-0.00500	11/30/17	930
	3.56200	-0.01000	12/29/17	930
	3.52200	-0.01000	1/31/18	930
	3.44100	-0.01000	2/28/18	930
	2.76200	-0.01000	3/30/18	930
	2.64500	-0.01100	4/30/18	930
	2.62900	-0.00900	5/31/18	930
	2.61700	-0.00900	6/29/18	930
	2.59700	-0.01300	7/31/18	930
	2.57800	-0.01400	8/31/18	930
	2.62900	-0.01500	9/28/18	930
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	3.17900	-0.01600	11/30/18	930
	3.28400	-0.01600	12/31/18	930
	3.24700	-0.01800	1/31/19	930
	3.18100	-0.01900	2/28/19	930
	2.50600	0.00800	3/29/19	930

	2.49800	0.00800	4/30/19	930
	2.52800	0.00800	5/31/19	930
	2.56200	0.00800	6/28/19	930
	2.57500	0.00800	7/31/19	930
	2.56300	0.00800	8/30/19	930
	2.59100	0.00800	9/30/19	930
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	3.13350	-0.00650	2/28/20	930
	2.50850	-0.00150	3/31/20	930
	2.50150	-0.00150	4/30/20	930
	2.53350	-0.00150	5/29/20	930
	2.57050	-0.00150	6/30/20	930
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	3.23500	-0.01900	2/26/21	930
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	2.62600	-0.01900	5/31/21	930

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	2.70200	-0.01900	8/31/21	930
	2.74100	-0.01900	9/30/21	930
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	3.15800	0.01300	11/30/16	933
	3.36450	0.01100	12/30/16	933
	3.45400	0.01000	1/31/17	933
	3.34600	0.00800	2/28/17	933
	2.70300	0.00300	3/31/17	933
	2.66500	0.00200	4/28/17	933
	2.69300	0.00100	5/31/17	933
	2.71900	0.00000	6/30/17	933
	2.72300	-0.00100	7/31/17	933
	2.70600	-0.00200	8/31/17	933
	2.72400	-0.00300	9/29/17	933
	3.16800	-0.04500	10/31/17	933
	3.30000	-0.04500	11/30/17	933
	3.39700	-0.05000	12/29/17	933
	3.35700	-0.05000	1/31/18	933
	3.27600	-0.05000	2/28/18	933
	2.52200	-0.10000	3/30/18	933
	2.47500	-0.10100	4/30/18	933
	2.48900	-0.09900	5/31/18	933
	2.51200	-0.09900	6/29/18	933
	2.51200	-0.10300	7/31/18	933

	2.50300	-0.10400	8/31/18	933
	2.53400	-0.10500	9/28/18	933
	2.83200	-0.01600	10/31/18	933
	2.97900	-0.01600	11/30/18	933
	3.08400	-0.01600	12/31/18	933
	3.04700	-0.01800	1/31/19	933
	2.98100	-0.01900	2/28/19	933
	2.49900	-0.01200	3/29/19	933
	2.49100	-0.01200	4/30/19	933
	2.52100	-0.01200	5/31/19	933
	2.55500	-0.01200	6/28/19	933
	2.56800	-0.01200	7/31/19	933
	2.55600	-0.01200	8/30/19	933
	2.58400	-0.01200	9/30/19	933
	2.77600	-0.01200	10/31/19	933
	2.92100	-0.01200	11/29/19	933
	3.04600	-0.01400	12/31/19	933
	3.01100	-0.01400	1/31/20	933
	2.94600	-0.01400	2/28/20	933
	2.50400	-0.01900	3/31/20	933
	2.49700	-0.01900	4/30/20	933
	2.52900	-0.01900	5/29/20	933
	2.56600	-0.01900	6/30/20	933
	2.59400	-0.01900	7/31/20	933
	2.59900	-0.01900	8/31/20	933
	2.63300	-0.01900	9/30/20	933

	2.81200	-0.01900	10/30/20	933
	2.96500	-0.01900	11/30/20	933
	3.11000	-0.01900	12/31/20	933
	3.07500	-0.01900	1/29/21	933
	3.01000	-0.01900	2/26/21	933
	2.59300	-0.01900	3/31/21	933
	2.58700	-0.01900	4/30/21	933
	2.61900	-0.01900	5/31/21	933
	2.65600	-0.01900	6/30/21	933
	2.69000	-0.01900	7/30/21	933
	2.69500	-0.01900	8/31/21	933
	2.73400	-0.01900	9/30/21	933
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	3.00260	0.02260	11/30/16	897
	3.12710	0.02370	12/30/16	897
	3.13830	0.02240	1/31/17	897
	3.07780	0.01350	2/28/17	897
	2.80760	0.01950	3/31/17	897
	2.75030	0.01180	4/28/17	897
	2.75340	0.01060	5/31/17	897
	2.77260	0.00930	6/30/17	897
	2.77380	0.00810	7/31/17	897
	2.82650	0.00700	8/31/17	897
	2.90720	0.00610	9/29/17	897
	3.06600	0.01660	10/31/17	897
	3.20430	0.01720	11/30/17	897

	3.29900	0.01140	12/29/17	897
	3.26100	0.01130	1/31/18	897
	3.15970	0.01100	2/28/18	897
	2.68190	0.00300	3/30/18	897
	2.56400	-0.00490	4/30/18	897
	2.54660	-0.00250	5/31/18	897
	2.53420	-0.00250	6/29/18	897
	2.52420	-0.00760	7/31/18	897
	2.56840	-0.00860	8/31/18	897
	2.59080	-0.00970	9/28/18	897
	2.82000	0.00230	10/31/18	897
	2.94870	0.00270	11/30/18	897
	3.05950	0.00320	12/31/18	897
	3.02240	0.00060	1/31/19	897
	2.94950	-0.00090	2/28/19	897
	2.56250	0.01560	3/29/19	897
	2.49030	0.00910	4/30/19	897
	2.48050	0.00900	5/31/19	897
	2.47270	0.00910	6/28/19	897
	2.48520	0.00910	7/31/19	897
	2.52850	0.00920	8/30/19	897
	2.54410	0.00930	9/30/19	897
	2.75970	0.00700	10/31/19	897
	2.91040	0.00750	11/29/19	897
	2.97780	0.00530	12/31/19	897
	2.95570	0.00530	1/31/20	897

	2.90570	0.00510	2/28/20	897
	2.55670	0.01620	3/31/20	897
	2.47360	0.00980	4/30/20	897
	2.48480	0.00980	5/29/20	897
	2.49910	0.00980	6/30/20	897
	2.48990	0.00970	7/31/20	897
	2.60040	0.01010	8/31/20	897
	2.61100	0.01020	9/30/20	897
	2.77320	-0.00140	10/30/20	897
	2.93340	-0.00080	11/30/20	897
	3.09910	-0.00020	12/31/20	897
	3.07080	-0.00030	1/29/21	897
	3.02710	-0.00050	2/26/21	897
	2.65110	0.01650	3/31/21	897
	2.58170	0.01020	4/30/21	897
	2.57750	0.01010	5/31/21	897
	2.61330	0.01020	6/30/21	897
	2.59930	0.01020	7/30/21	897
	2.67570	0.01050	8/31/21	897
	2.71700	0.01060	9/30/21	897
	3.01400	0.01350	10/31/16	933
	3.23300	-0.01450	11/30/16	933
	3.58700	0.00350	12/30/16	933
	3.64900	0.00000	1/31/17	933
	3.63100	-0.00200	2/28/17	933
	3.17800	0.01550	3/31/17	933

	3.08000	0.00700	4/28/17	933
	3.10800	0.00600	5/31/17	933
	3.05900	0.00000	6/30/17	933
	3.05300	-0.00100	7/31/17	933
	3.03600	-0.00200	8/31/17	933
	3.05400	-0.00300	9/29/17	933
	3.23300	-0.00500	10/31/17	933
	3.36500	-0.00500	11/30/17	933
	3.46200	-0.01000	12/29/17	933
	3.42200	-0.01000	1/31/18	933
	3.34100	-0.01000	2/28/18	933
	2.71200	-0.01000	3/30/18	933
	2.59500	-0.01100	4/30/18	933
	2.57900	-0.00900	5/31/18	933
	2.56700	-0.00900	6/29/18	933
	2.54700	-0.01300	7/31/18	933
	2.52800	-0.01400	8/31/18	933
	2.57900	-0.01500	9/28/18	933
	2.93200	-0.01600	10/31/18	933
	3.07900	-0.01600	11/30/18	933
	3.18400	-0.01600	12/31/18	933
	3.14700	-0.01800	1/31/19	933
	3.08100	-0.01900	2/28/19	933
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	2.44800	0.00800	4/30/19	933
	2.47800	0.00800	5/31/19	933

	2.51200	0.00800	6/28/19	933
	2.52500	0.00800	7/31/19	933
	2.51300	0.00800	8/30/19	933
	2.54100	0.00800	9/30/19	933
	2.86350	-0.00450	10/31/19	933
	3.00850	-0.00450	11/29/19	933
	3.13350	-0.00650	12/31/19	933
	3.09850	-0.00650	1/31/20	933
	3.03350	-0.00650	2/28/20	933
	2.45850	-0.00150	3/31/20	933
	2.45150	-0.00150	4/30/20	933
	2.48350	-0.00150	5/29/20	933
	2.52050	-0.00150	6/30/20	933
	2.54850	-0.00150	7/31/20	933
	2.55350	-0.00150	8/31/20	933
	2.58750	-0.00150	9/30/20	933
	2.93700	-0.01900	10/30/20	933
	3.09000	-0.01900	11/30/20	933
	3.23500	-0.01900	12/31/20	933
	3.20000	-0.01900	1/29/21	933
	3.13500	-0.01900	2/26/21	933
	2.50000	-0.01900	3/31/21	933
	2.49400	-0.01900	4/30/21	933
	2.52600	-0.01900	5/31/21	933
	2.56300	-0.01900	6/30/21	933
	2.59700	-0.01900	7/30/21	933

	2.60200	-0.01900	8/31/21	933
	2.64100	-0.01900	9/30/21	933
	2.60400	0.01350	10/31/16	933
	2.82300	-0.01450	11/30/16	933
	3.17700	0.00350	12/30/16	933
	3.23900	0.00000	1/31/17	933
	3.22100	-0.00200	2/28/17	933
	2.71800	0.01550	3/31/17	933
	2.68000	0.01450	4/28/17	933
	2.56800	0.00600	5/31/17	933
	2.51900	0.00000	6/30/17	933
	2.51300	-0.00100	7/31/17	933
	2.49600	-0.00200	8/31/17	933
	2.51400	-0.00300	9/29/17	933
	2.77300	-0.00500	10/31/17	933
	2.90500	-0.00500	11/30/17	933
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	2.88100	-0.01000	2/28/18	933
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	2.09200	-0.00900	6/29/18	933
	2.05700	-0.01300	7/31/18	933
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	2.04900	-0.01500	9/28/18	933

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	2.72400	-0.01600	12/31/18	933
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	2.62100	-0.01900	2/28/19	933
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	2.63000	-0.01900	11/30/20	933

	2.77500	-0.01900	12/31/20	933
	2.74000	-0.01900	1/29/21	933
	2.67500	-0.01900	2/26/21	933
	2.04000	-0.01900	3/31/21	933
	2.03400	-0.01900	4/30/21	933
	2.06600	-0.01900	5/31/21	933
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	2.13700	-0.01900	7/30/21	933
	2.14200	-0.01900	8/31/21	933
	2.18100	-0.01900	9/30/21	933
	3.26400	0.04100	10/31/16	933
	5.39300	0.01300	11/30/16	933
	6.71700	0.01100	12/30/16	933
	6.50400	0.01000	1/31/17	933
	4.27600	0.00800	2/28/17	933
	2.77800	0.00300	3/31/17	933
	2.74000	0.00200	4/28/17	933
	2.76800	0.00100	5/31/17	933
	2.79400	0.00000	6/30/17	933
	2.79800	-0.00100	7/31/17	933
	2.78100	-0.00200	8/31/17	933
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	5.44000	-0.00500	11/30/17	933
	6.58700	-0.01000	12/29/17	933
	6.34700	-0.01000	1/31/18	933

	4.26600	-0.01000	2/28/18	933
	2.68200	-0.01000	3/30/18	933
	2.63500	-0.01100	4/30/18	933
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	2.67200	-0.00900	6/29/18	933
	2.67200	-0.01300	7/31/18	933
	2.66300	-0.01400	8/31/18	933
	2.69400	-0.01500	9/28/18	933
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	5.30400	-0.01600	11/30/18	933
	6.50900	-0.01600	12/31/18	933
	6.27200	-0.01800	1/31/19	933
	4.15600	-0.01900	2/28/19	933
	2.54600	-0.01200	3/29/19	933
	2.53800	-0.01200	4/30/19	933
	2.56800	-0.01200	5/31/19	933
	2.60200	-0.01200	6/28/19	933
	2.61500	-0.01200	7/31/19	933
	2.60300	-0.01200	8/30/19	933
	2.63100	-0.01200	9/30/19	933
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	5.20100	-0.01200	11/29/19	933
	6.42600	-0.01400	12/31/19	933
	6.19100	-0.01400	1/31/20	933
	4.07600	-0.01400	2/28/20	933
	2.55100	-0.01900	3/31/20	933

	2.54400	-0.01900	4/30/20	933
	2.57600	-0.01900	5/29/20	933
	2.61300	-0.01900	6/30/20	933
	2.64100	-0.01900	7/31/20	933
	2.64600	-0.01900	8/31/20	933
	2.68000	-0.01900	9/30/20	933
	3.81700	-0.01900	10/30/20	933
	5.22000	-0.01900	11/30/20	933
	6.46500	-0.01900	12/31/20	933
	6.23000	-0.01900	1/29/21	933
	4.11500	-0.01900	2/26/21	933
	2.64000	-0.01900	3/31/21	933
	2.63400	-0.01900	4/30/21	933
	2.66600	-0.01900	5/31/21	933
	2.70300	-0.01900	6/30/21	933
	2.73700	-0.01900	7/30/21	933
	2.74200	-0.01900	8/31/21	933
	2.78100	-0.01900	9/30/21	933
	2.60400	0.01350	10/31/16	933
	2.82300	-0.01450	11/30/16	933
	3.17700	0.00350	12/30/16	933
	3.23900	0.00000	1/31/17	933
	3.22100	-0.00200	2/28/17	933
	2.71800	0.01550	3/31/17	933
	2.68000	0.01450	4/28/17	933
	2.56800	0.00600	5/31/17	933

	2.51900	0.00000	6/30/17	933
	2.51300	-0.00100	7/31/17	933
	2.49600	-0.00200	8/31/17	933
	2.51400	-0.00300	9/29/17	933
	2.77300	-0.00500	10/31/17	933
	2.90500	-0.00500	11/30/17	933
	3.00200	-0.01000	12/29/17	933
	2.96200	-0.01000	1/31/18	933
	2.88100	-0.01000	2/28/18	933
	2.20200	-0.01000	3/30/18	933
	2.15500	-0.01100	4/30/18	933
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	2.09200	-0.00900	6/29/18	933
	2.05700	-0.01300	7/31/18	933
	2.02800	-0.01400	8/31/18	933
	2.04900	-0.01500	9/28/18	933
	2.47200	-0.01600	10/31/18	933
	2.61900	-0.01600	11/30/18	933
	2.72400	-0.01600	12/31/18	933
	2.68700	-0.01800	1/31/19	933
	2.62100	-0.01900	2/28/19	933
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	1.93800	0.00800	4/30/19	933
	1.96800	0.00800	5/31/19	933
	2.00200	0.00800	6/28/19	933
	2.01500	0.00800	7/31/19	933

	2.00300	0.00800	8/30/19	933
	2.03100	0.00800	9/30/19	933
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	2.54850	-0.00450	11/29/19	933
	2.67350	-0.00650	12/31/19	933
	2.63850	-0.00650	1/31/20	933
	2.57350	-0.00650	2/28/20	933
	1.94850	-0.00150	3/31/20	933
	1.94150	-0.00150	4/30/20	933
	1.97350	-0.00150	5/29/20	933
	2.01050	-0.00150	6/30/20	933
	2.03850	-0.00150	7/31/20	933
	2.04350	-0.00150	8/31/20	933
	2.07750	-0.00150	9/30/20	933
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	2.63000	-0.01900	11/30/20	933
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	2.74000	-0.01900	1/29/21	933
	2.67500	-0.01900	2/26/21	933
	2.04000	-0.01900	3/31/21	933
	2.03400	-0.01900	4/30/21	933
	2.06600	-0.01900	5/31/21	933
	2.10300	-0.01900	6/30/21	933
	2.13700	-0.01900	7/30/21	933
	2.14200	-0.01900	8/31/21	933
	2.18100	-0.01900	9/30/21	933

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	3.67800	0.00550	11/30/16	930
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	3.90400	0.00000	1/31/17	930
	3.86600	0.00800	2/28/17	930
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	3.23000	0.01450	4/28/17	930
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	3.04600	-0.00200	8/31/17	930
	3.06400	-0.00300	9/29/17	930
	3.43300	-0.00500	10/31/17	930
	3.56500	-0.00500	11/30/17	930
	3.66200	-0.01000	12/29/17	930
	3.62200	-0.01000	1/31/18	930
	3.54100	-0.01000	2/28/18	930
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	2.70500	-0.01100	4/30/18	930
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	2.64200	-0.00900	6/29/18	930
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	2.57800	-0.01400	8/31/18	930
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	3.34700	-0.01800	1/31/19	930
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	2.48800	0.00800	4/30/19	930
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	2.55300	0.00800	8/30/19	930
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	3.23350	-0.00650	2/28/20	930
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	2.49150	-0.00150	4/30/20	930
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	2.62750	-0.00150	9/30/20	930
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	3.43500	-0.01900	12/31/20	930
	3.40000	-0.01900	1/29/21	930

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	2.58400	-0.01900	4/30/21	930
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	2.65300	-0.01900	6/30/21	930
	2.68700	-0.01900	7/30/21	930
	2.69200	-0.01900	8/31/21	930
	2.73100	-0.01900	9/30/21	930
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	2.63960	0.03370	12/30/16	895
	2.65080	0.03240	1/31/17	895
	2.59030	0.02350	2/28/17	895
	2.26760	0.01950	3/31/17	895
	2.21030	0.01180	4/28/17	895
	2.21340	0.01060	5/31/17	895
	2.23260	0.00930	6/30/17	895
	2.23380	0.00810	7/31/17	895
	2.28650	0.00700	8/31/17	895
	2.36720	0.00610	9/29/17	895
	2.60600	0.01660	10/31/17	895
	2.74430	0.01720	11/30/17	895
	2.83900	0.01140	12/29/17	895
	2.80100	0.01130	1/31/18	895
	2.69970	0.01100	2/28/18	895
	2.19190	0.00300	3/30/18	895

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	2.47700	-0.00090	2/28/19	895
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	2.09170	0.01020	4/30/21	895
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	2.22700	0.01060	9/30/21	895
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	2.85510	0.02260	11/30/16	898
	2.97960	0.02370	12/30/16	898
	2.99080	0.02240	1/31/17	898
	2.93030	0.01350	2/28/17	898
	2.66010	0.01950	3/31/17	898
	2.60280	0.01180	4/28/17	898
	2.60590	0.01060	5/31/17	898
	2.62510	0.00930	6/30/17	898
	2.62630	0.00810	7/31/17	898

	2.67900	0.00700	8/31/17	898
	2.75970	0.00610	9/29/17	898
	2.91850	0.01660	10/31/17	898
	3.05680	0.01720	11/30/17	898
	3.15150	0.01140	12/29/17	898
	3.11350	0.01130	1/31/18	898
	3.01220	0.01100	2/28/18	898
	2.53440	0.00300	3/30/18	898
	2.41650	-0.00490	4/30/18	898
	2.39910	-0.00250	5/31/18	898
	2.38670	-0.00250	6/29/18	898
	2.37670	-0.00760	7/31/18	898
	2.42090	-0.00860	8/31/18	898
	2.44330	-0.00970	9/28/18	898
	2.67250	0.00230	10/31/18	898
	2.80120	0.00270	11/30/18	898
	2.91200	0.00320	12/31/18	898
	2.87490	0.00060	1/31/19	898
	2.80200	-0.00090	2/28/19	898
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	2.34280	0.00910	4/30/19	898
	2.33300	0.00900	5/31/19	898
	2.32520	0.00910	6/28/19	898
	2.33770	0.00910	7/31/19	898
	2.38100	0.00920	8/30/19	898
	2.39660	0.00930	9/30/19	898

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	2.75820	0.00510	2/28/20	898
	2.40920	0.01620	3/31/20	898
	2.32610	0.00980	4/30/20	898
	2.33730	0.00980	5/29/20	898
	2.35160	0.00980	6/30/20	898
	2.34240	0.00970	7/31/20	898
	2.45290	0.01010	8/31/20	898
	2.46350	0.01020	9/30/20	898
	2.62570	-0.00140	10/30/20	898
	2.78590	-0.00080	11/30/20	898
	2.95160	-0.00020	12/31/20	898
	2.92330	-0.00030	1/29/21	898
	2.87960	-0.00050	2/26/21	898
	2.50360	0.01650	3/31/21	898
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	2.56950	0.01060	9/30/21	898
	2.69860	0.07010	10/31/16	899
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	2.43080	-0.00970	9/28/18	899
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	2.78870	0.00270	11/30/18	899
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	2.32520	0.00910	7/31/19	899
	2.36850	0.00920	8/30/19	899
	2.38410	0.00930	9/30/19	899
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	2.75040	0.00750	11/29/19	899
	2.81780	0.00530	12/31/19	899
	2.79570	0.00530	1/31/20	899
	2.74570	0.00510	2/28/20	899
	2.39670	0.01620	3/31/20	899
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	2.44040	0.01010	8/31/20	899
	2.45100	0.01020	9/30/20	899
	2.61320	-0.00140	10/30/20	899
	2.77340	-0.00080	11/30/20	899
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	0.95000	0.12000	10/7/16	6353
	0.95000	0.12000	10/8/16	6353
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	0.00000	0.00000	11/28/16	978
	0.00000	0.00000	11/29/16	978
	0.00000	0.00000	11/30/16	978
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	0.00000	0.00000	12/2/16	978
	0.00000	0.00000	12/3/16	978
	0.00000		12/4/16	978
	0.00000		12/5/16	978
	0.00000		12/6/16	978
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	2.59500	0.04500	10/6/16	914

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	2.07510	0.01370	2/28/17	943

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	1.77320	0.00410	5/31/17	943
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	1.83180	0.00110	8/31/17	943
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	2.24390	0.00340	1/31/18	943
	2.16270	0.00330	2/28/18	943
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	1.63760	-0.00620	6/29/18	943
	1.62960	-0.01020	7/31/18	943
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	1.68300	-0.01200	9/28/18	943
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	2.07240	-0.00270	12/31/18	943
	2.04270	-0.00470	1/31/19	943
	1.98430	-0.00570	2/28/19	943
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	1.61840	0.00320	4/30/19	943

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	1.64910	0.00330	8/30/19	943
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	2.06750	-0.00540	1/29/21	943
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	0.01000	0.00000	2/28/18	1009
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	0.01000	0.00000	11/30/18	1009
	0.01000	0.00000	12/31/18	1009
	0.01000	0.00000	1/31/19	1009

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	0.00000	0.00000	4/30/19	1009
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	0.00500	0.00000	6/28/19	1009
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	0.00500	0.00000	8/30/19	1009
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	1.87750	0.05160	11/14/16	941
	1.87750	0.05160	11/15/16	941
	1.87750	0.05160	11/16/16	941
	1.87750	0.05160	11/17/16	941
	1.87750	0.05160	11/18/16	941
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	1.87750	0.05160	11/20/16	941
	1.87750	0.05160	11/21/16	941
	1.87750	0.05160	11/22/16	941
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	1.87750	0.05160	11/28/16	941
	1.87750	0.05160	11/29/16	941
	1.87750	0.05160	11/30/16	941
	1.99880	0.02120	12/1/16	941
	1.99880	0.02120	12/2/16	941
	1.99880	0.02120	12/3/16	941
	1.99880		12/4/16	941
	1.99880		12/5/16	941

	1.99880		12/6/16	941
	2.17590	0.02100	10/3/16	931
	2.17590	-0.04410	10/4/16	931
	2.27000	0.05000	10/5/16	931
	2.27000	0.05000	10/6/16	931
	2.27000	0.05000	10/7/16	931
	2.27000	0.05000	10/8/16	931
	2.27000	0.05000	10/9/16	931
	2.27000	0.05000	10/10/16	931
	2.27000	0.05000	10/11/16	931
	2.27000	0.05000	10/12/16	931
	2.27000	0.05000	10/13/16	931
	2.27000	0.05000	10/14/16	931
	2.27000	0.05000	10/15/16	931
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	2.27000	0.05000	10/18/16	931
	2.27000	0.05000	10/19/16	931
	2.27000	0.05000	10/20/16	931
	2.27000	0.05000	10/21/16	931
	2.27000	0.05000	10/22/16	931
	2.27000	0.05000	10/23/16	931
	2.27000	0.05000	10/24/16	931
	2.27000	0.05000	10/25/16	931
	2.27000	0.05000	10/26/16	931
	2.27000	0.05000	10/27/16	931

	2.27000	0.05000	10/28/16	931
	2.27000	0.05000	10/29/16	931
	2.27000	0.05000	10/30/16	931
	2.27000	0.05000	10/31/16	931
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	2.60400	0.01350	11/2/16	931
	2.60400	0.01350	11/3/16	931
	2.60400	0.01350	11/4/16	931
	2.60400	0.01350	11/5/16	931
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	2.60400	0.01350	11/9/16	931
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	2.60400	0.01350	11/11/16	931
	2.60400	0.01350	11/12/16	931
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	2.60400	0.01350	11/14/16	931
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	2.60400	0.01350	11/18/16	931
	2.60400	0.01350	11/19/16	931
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	2.60400	0.01350	11/21/16	931
	2.60400	0.01350	11/22/16	931

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	2.60400	0.01350	11/28/16	931
	2.60400	0.01350	11/29/16	931
	2.60400	0.01350	11/30/16	931
	2.82300	-0.01450	12/1/16	931
	2.82300	-0.01450	12/2/16	931
	2.82300	-0.01450	12/3/16	931
	2.82300		12/4/16	931
	2.82300		12/5/16	931
	2.82300		12/6/16	931
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	2.64850	-0.00850	10/4/16	931
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	2.70700	0.05000	10/12/16	931
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	2.70700	0.05000	10/19/16	931
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	2.93900	0.04100	11/2/16	931
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	2.93900	0.04100	11/4/16	931
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	2.93900	0.04100	11/6/16	931
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	2.93900	0.04100	11/29/16	931
	2.93900	0.04100	11/30/16	931
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	3.15800	0.01300	12/2/16	931
	3.15800	0.01300	12/3/16	931
	3.15800		12/4/16	931
	3.15800		12/5/16	931

	3.15800		12/6/16	931
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	2.76500	0.05500	10/4/16	912
	2.80000	0.13000	10/5/16	912
	2.69500	0.02500	10/6/16	912
	2.69500	0.02500	10/7/16	912
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	2.69500	0.02500	10/9/16	912
	2.69500	0.02500	10/10/16	912
	2.69500	0.02500	10/11/16	912
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	2.69500	0.02500	10/25/16	912
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	2.69500	0.02500	10/30/16	912
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	2.85860	0.02010	11/12/16	912
	2.85860	0.02010	11/13/16	912
	2.85860	0.02010	11/14/16	912
	2.85860	0.02010	11/15/16	912
	2.85860	0.02010	11/16/16	912
	2.85860	0.02010	11/17/16	912
	2.85860	0.02010	11/18/16	912
	2.85860	0.02010	11/19/16	912
	2.85860	0.02010	11/20/16	912
	2.85860	0.02010	11/21/16	912
	2.85860	0.02010	11/22/16	912

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	2.85860	0.02010	11/29/16	912
	2.85860	0.02010	11/30/16	912
	3.00260	0.02260	12/1/16	912
	3.00260	0.02260	12/2/16	912
	3.00260	0.02260	12/3/16	912
	3.00260		12/4/16	912
	3.00260		12/5/16	912
	3.00260		12/6/16	912
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	2.27900	0.05900	10/4/16	931
	2.27000	0.05000	10/5/16	931
	2.27000	0.05000	10/6/16	931
	2.27000	0.05000	10/7/16	931
	2.27000	0.05000	10/8/16	931
	2.27000	0.05000	10/9/16	931
	2.27000	0.05000	10/10/16	931
	2.27000	0.05000	10/11/16	931
	2.27000	0.05000	10/12/16	931
	2.27000	0.05000	10/13/16	931
	2.27000	0.05000	10/14/16	931

	2.27000	0.05000	10/15/16	931
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	2.27000	0.05000	10/17/16	931
	2.27000	0.05000	10/18/16	931
	2.27000	0.05000	10/19/16	931
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	2.27000	0.05000	10/31/16	931
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	3.26400	0.04100	11/2/16	931
	3.26400	0.04100	11/3/16	931
	3.26400	0.04100	11/4/16	931
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	3.26400	0.04100	11/29/16	931
	3.26400	0.04100	11/30/16	931
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	5.39300	0.01300	12/2/16	931
	5.39300	0.01300	12/3/16	931
	5.39300		12/4/16	931
	5.39300		12/5/16	931

	5.39300		12/6/16	931
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	2.27000	0.05000	10/12/16	931
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	2.60400	0.01350	11/30/16	931
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	2.82300		12/5/16	931
	2.82300		12/6/16	931
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	2.72590	-0.04410	10/4/16	931
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	3.01400	0.01350	11/4/16	931
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	3.01400	0.01350	11/13/16	931
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	3.01400	0.01350	11/15/16	931
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	3.01400	0.01350	11/21/16	931
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	3.23300		12/5/16	931

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	3.16400	0.01350	11/10/16	1912
	3.16400	0.01350	11/11/16	939
	3.16400	0.01350	11/11/16	1912
	3.16400	0.01350	11/12/16	939
	3.16400	0.01350	11/12/16	1912
	3.16400	0.01350	11/13/16	939
	3.16400	0.01350	11/13/16	1912
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	3.16400	0.01350	11/14/16	1912
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	3.16400	0.01350	11/15/16	1912
	3.16400	0.01350	11/16/16	939

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	3.16400	0.01350	11/17/16	1912
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	3.16400	0.01350	11/21/16	1912
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	3.16400	0.01350	11/22/16	1912
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	3.16400	0.01350	11/23/16	1912
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	3.16400	0.01350	11/25/16	1912
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	3.16400	0.01350	11/26/16	1912
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	3.16400	0.01350	11/27/16	1912
	3.16400	0.01350	11/28/16	939
	3.16400	0.01350	11/28/16	1912
	3.16400	0.01350	11/29/16	939

	3.16400	0.01350	11/29/16	1912
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	3.16400	0.01350	11/30/16	1912
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	3.60300	0.00550	12/1/16	1912
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	3.60300	0.00550	12/2/16	1912
	3.60300	0.00550	12/3/16	939
	3.60300	0.00550	12/3/16	1912
	3.60300		12/4/16	939
	3.60300		12/4/16	1912
	3.60300		12/5/16	939
	3.60300		12/5/16	1912
	3.60300		12/6/16	939
	3.60300		12/6/16	1912
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	2.79250	0.05000	10/10/16	939
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	2.79250	0.05000	10/12/16	939
	2.79250	0.05000	10/13/16	939

	2.79250	0.05000	10/14/16	939
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	3.23900	0.01350	11/29/16	939
	3.23900	0.01350	11/30/16	939
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	3.67800	0.00550	12/2/16	939
	3.67800	0.00550	12/3/16	939
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	3.67800		12/6/16	939
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	0.10000	0.00500	4/26/17	883
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	0.01500	0.00000	7/27/17	883
	0.01500	0.00000	8/29/17	883
	0.03000	0.00000	9/27/17	883
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	-0.15250	0.01750	9/28/20	883
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	0.17000	0.00000	11/25/20	883

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	0.00500	0.00000	9/27/17	883
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	0.32500	0.00000	1/29/18	883

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	0.25750	0.00750	1/29/20	883
	0.25750	0.00750	2/26/20	883
	-0.16250	0.01750	3/27/20	883

	-0.16250	0.01750	4/28/20	883
	-0.16250	0.01750	5/27/20	883
	-0.16250	0.01750	6/26/20	883
	-0.16250	0.01750	7/29/20	883
	-0.16250	0.01750	8/27/20	883
	-0.16250	0.01750	9/28/20	883
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	0.27000	0.00000	11/25/20	883
	0.27000	0.00000	12/29/20	883
	0.27000	0.00000	1/27/21	883
	0.27000	0.00000	2/24/21	883
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	-0.16000	0.00000	4/28/21	883
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	-0.16000	0.00000	6/28/21	883
	-0.16000	0.00000	7/28/21	883
	-0.16000	0.00000	8/27/21	883
	-0.16000	0.00000	9/28/21	883
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	0.10000	0.00000	5/31/17	985
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	0.18000		12/5/16	986
	0.18000		12/6/16	986

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	0.00000	0.00000	9/29/17	1001
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	0.00000	0.00000	12/3/16	1002
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	0.00000		12/6/16	1002
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	2.70000	0.15000	10/5/16	904
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	2.59500	0.04500	10/7/16	904

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	2.59500	0.04500	10/12/16	904
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	2.69860	0.07010	11/30/16	904
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	2.80260	0.03260	12/2/16	904
	2.80260	0.03260	12/3/16	904
	2.80260		12/4/16	904
	2.80260		12/5/16	904
	2.80260		12/6/16	904
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	3.13050	0.01300	11/30/16	5812
	3.27200	0.01100	12/30/16	5812
	3.27400	0.01000	1/31/17	5812
	3.24350	0.00800	2/28/17	5812
	3.00300	0.00300	3/31/17	5812
	2.95000	0.00200	4/28/17	5812
	2.98300	0.00100	5/31/17	5812
	3.00400	0.00000	6/30/17	5812
	3.00800	-0.00100	7/31/17	5812
	2.99100	-0.00200	8/31/17	5812
	3.01400	-0.00300	9/29/17	5812
	2.84870	-0.00850	10/3/16	5810
	2.84870	-0.00580	10/4/16	5810
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	2.89450	0.04000	10/6/16	5810
	2.89450	0.04000	10/7/16	5810
	2.89450	0.04000	10/8/16	5810

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	2.91150	0.04100	11/29/16	5810

	2.91150	0.04100	11/30/16	5810
	3.13050	0.01300	12/1/16	5810
	3.13050	0.01300	12/2/16	5810
	3.13050	0.01300	12/3/16	5810
	3.13050		12/4/16	5810
	3.13050		12/5/16	5810
	3.13050		12/6/16	5810
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	-0.04500	0.00000	12/30/16	5809
	-0.05000	0.00000	1/31/17	5809
	-0.03250	0.00000	2/28/17	5809
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	-0.05000	0.00000	4/28/17	5809
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	-0.05000	0.00000	6/30/17	5809
	-0.05000	0.00000	7/31/17	5809
	-0.05000	0.00000	8/31/17	5809
	-0.04500	0.00000	9/29/17	5809
	-0.03000	0.00000	10/31/17	5809
	-0.03000	0.00000	11/30/17	5809
	0.00000	0.00000	12/29/17	5809
	0.00000	0.00000	1/31/18	5809
	-0.04500	0.00000	2/28/18	5809
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	0.01000	0.00000	11/28/16	1142

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	0.01000	0.00000	1/27/17	1142
	0.01000	0.00000	2/24/17	1142
	0.01000	0.00000	3/29/17	1142
	0.01000	0.00000	4/26/17	1142
	0.01000	0.00000	5/29/17	1142
	0.01000	0.00000	6/28/17	1142
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	0.01000	0.00000	2/26/18	1142
	2.97400	0.04100	10/31/16	1124
	3.19300	0.01300	11/30/16	1124
	3.32700	0.01100	12/30/16	1124
	3.33400	0.01000	1/31/17	1124
	3.28600	0.00800	2/28/17	1124
	3.04800	0.00300	3/31/17	1124
	3.01000	0.00200	4/28/17	1124
	3.03800	0.00100	5/31/17	1124
	3.06400	0.00000	6/30/17	1124
	3.06800	-0.00100	7/31/17	1124
	3.05100	-0.00200	8/31/17	1124

	3.06900	-0.00300	9/29/17	1124
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	0.00000	0.00000	12/30/16	1133
	0.00000	0.00000	1/31/17	1133
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	0.00000	0.00000	3/30/18	1139
	0.00000	0.00000	4/30/18	1139
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	0.00000	0.00000	8/30/19	1139
	0.00000	0.00000	9/30/19	1139
	0.00000	0.00000	10/31/19	1139
	0.00000	0.00000	11/29/19	1139
	2.78060	-0.03180	10/3/16	1126

	2.83060	0.01820	10/4/16	1126
	2.83060	-0.02640	10/5/16	1126
	2.89850	0.04150	10/6/16	1126
	2.89850	0.04150	10/7/16	1126
	2.89850	0.04150	10/8/16	1126
	2.89850	0.04150	10/9/16	1126
	2.89850	0.04150	10/10/16	1126
	2.89850	0.04150	10/11/16	1126
	2.89850	0.04150	10/12/16	1126
	2.89850	0.04150	10/13/16	1126
	2.89850	0.04150	10/14/16	1126
	2.89850	0.04150	10/15/16	1126
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	2.89850	0.04150	10/17/16	1126
	2.89850	0.04150	10/18/16	1126
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	2.89850	0.04150	10/20/16	1126
	2.89850	0.04150	10/21/16	1126
	2.89850	0.04150	10/22/16	1126
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	2.89850	0.04150	10/28/16	1126
	2.89850	0.04150	10/29/16	1126

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	2.89850	0.04150	10/31/16	1126
	2.89850	0.04150	11/1/16	1126
	2.89850	0.04150	11/2/16	1126
	2.89850	0.04150	11/3/16	1126
	2.89850	0.04150	11/4/16	1126
	2.89850	0.04150	11/5/16	1126
	2.89850	0.04150	11/6/16	1126
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	2.89850	0.04150	11/30/16	1126
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	3.19300	0.01300	12/2/16	1126
	3.19300	0.01300	12/3/16	1126
	3.19300		12/4/16	1126
	3.19300		12/5/16	1126
	3.19300		12/6/16	1126
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	0.00000	0.00000	12/3/16	1134
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	0.00000		12/5/16	1134
	0.00000		12/6/16	1134
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	0.00750	-0.00500	12/30/16	1143
	-0.00500	0.00500	1/31/17	1143
	-0.21500	-0.00500	2/28/17	1143
	-0.23000	0.00500	3/31/17	1143
	-0.24000	0.00500	4/28/17	1143
	-0.23000	0.00500	5/31/17	1143
	-0.17750	0.00500	6/30/17	1143
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	-0.15500	0.00500	8/31/17	1143
	-0.17000	0.00250	9/29/17	1143
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	-0.05500	0.00000	11/30/17	1143
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	-0.08250	0.00000	1/31/18	1143
	-0.08250	0.00000	2/28/18	1143
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	3.29300	0.01550	11/30/16	1127
	3.32450	0.00600	12/30/16	1127
	3.31900	0.01500	1/31/17	1127
	3.06100	0.00300	2/28/17	1127
	2.80800	0.00800	3/31/17	1127
	2.76000	0.00700	4/28/17	1127
	2.79800	0.00600	5/31/17	1127
	2.87650	0.00500	6/30/17	1127
	2.89300	0.00400	7/31/17	1127

	2.88600	0.00300	8/31/17	1127
	2.88900	-0.00050	9/29/17	1127
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	2.65300	0.00050	10/28/16	1129

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	0.38250	-0.00750	1/31/17	1144
	0.32750	-0.01250	2/28/17	1144
	0.31750	0.00250	3/31/17	1144
	0.30750	0.00250	4/28/17	1144
	0.31000	0.00250	5/31/17	1144
	0.39750	0.00000	6/30/17	1144
	0.44500	0.00000	7/31/17	1144
	0.45500	0.00000	8/31/17	1144
	0.43000	0.00250	9/29/17	1144
	0.42500	0.00000	10/31/17	1144
	0.36500	0.00000	11/30/17	1144
	0.34500	0.00000	12/29/17	1144
	0.32250	0.00000	1/31/18	1144
	0.34000	0.00000	2/28/18	1144
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	3.66550	0.00550	11/30/16	1130
	3.71200	0.00100	12/30/16	1130
	3.70650	0.00250	1/31/17	1130
	3.60350	-0.00450	2/28/17	1130
	3.35550	0.00550	3/31/17	1130
	3.30750	0.00450	4/28/17	1130
	3.33800	0.00350	5/31/17	1130
	3.45150	0.00000	6/30/17	1130

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	3.49600	-0.00200	8/31/17	1130
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	0.00000	0.00000	9/30/19	1141
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	3.26050	-0.00910	10/4/16	1132
	3.26050	-0.01950	10/5/16	1132
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	3.32000	0.04000	10/7/16	1132
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	3.32000	0.04000	10/10/16	1132
	3.32000	0.04000	10/11/16	1132
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	-0.63000	0.00500	3/29/17	911
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	-0.67000	-0.00500	4/26/19	911
	-0.71000	-0.00500	5/29/19	911
	-0.57000	-0.00500	6/26/19	911
	-0.57000	-0.00500	7/29/19	911
	-0.51750	-0.00500	8/28/19	911
	-0.53750	-0.00500	9/26/19	911
	0.01500	0.01000	10/29/19	911
	0.25750	0.01000	11/26/19	911
	0.12250	0.01000	12/27/19	911
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	-0.07000	0.01000	2/26/20	911
	-0.61250	-0.01000	3/27/20	911
	-0.66500	-0.01500	4/28/20	911
	-0.68500	-0.01500	5/27/20	911
	-0.53250	-0.01500	6/26/20	911
	-0.56500	-0.01500	7/29/20	911
	-0.48250	-0.01500	8/27/20	911
	-0.51000	-0.01500	9/28/20	911
	0.07500	0.01000	10/28/20	911
	0.34750	0.01000	11/25/20	911
	0.14250	0.01000	12/29/20	911

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	-0.33000	0.00000	8/31/21	990
	-0.33000	0.00000	9/30/21	990
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	2.64850	0.03150	10/11/16	1275

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	2.69000	0.00200	4/28/17	1273
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	2.79050	-0.00100	7/31/17	1273
	2.75350	-0.00200	8/31/17	1273
	2.78650	0.01200	9/29/17	1273
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	0.00000	0.00000	12/30/16	1287
	0.00000	0.00000	1/31/17	1287
	0.00000	0.00000	2/28/17	1287
	0.00000	0.00000	3/31/17	1287
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	0.00000	0.00000	9/29/17	1287
	0.00000	0.00000	10/31/17	1287
	0.00000	0.00000	11/30/17	1287
	0.00000	0.00000	12/29/17	1287
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	0.00000	0.00000	4/30/18	1287
	0.00000	0.00000	5/31/18	1287

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	0.00000	0.00000	7/31/18	1287
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	2.70670	-0.05830	10/4/16	1272
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	2.82000	0.05500	10/6/16	1272
	2.82000	0.05500	10/7/16	1272
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	2.82000	0.05500	10/9/16	1272
	2.82000	0.05500	10/10/16	1272

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	2.82000	0.05500	10/13/16	1272
	2.82000	0.05500	10/14/16	1272
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	2.95900	0.05350	11/2/16	1272
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	3.29300	0.01550	11/30/16	1270
	3.60200	0.01100	12/30/16	1270
	3.61900	0.01000	1/31/17	1270
	3.30350	-0.00200	2/28/17	1270
	3.01550	0.01050	3/31/17	1270
	2.81000	0.00950	4/28/17	1270
	2.85300	0.00600	5/31/17	1270
	2.89150	0.00500	6/30/17	1270
	2.88300	0.00400	7/31/17	1270
	2.87600	0.00300	8/31/17	1270
	2.90400	0.00200	9/29/17	1270
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	0.00000	0.00000	10/11/16	1281

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	0.00000	0.00000	9/29/17	1279
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	0.29500	0.00000	1/31/17	1265
	0.02750	-0.01000	2/28/17	1265
	-0.02250	0.00750	3/31/17	1265
	-0.19000	0.00750	4/28/17	1265
	-0.17500	0.00500	5/31/17	1265
	-0.16250	0.00500	6/30/17	1265
	-0.17500	0.00500	7/31/17	1265

	-0.16500	0.00500	8/31/17	1265
	-0.15500	0.00500	9/29/17	1265
	-0.01000	0.00000	10/31/17	1265
	0.04500	0.00000	11/30/17	1265
	0.16000	0.00000	12/29/17	1265
	0.15750	0.00000	1/31/18	1265
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	0.00000	0.00000	9/29/17	1286
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	0.00000	0.00000	12/29/17	1286
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	0.00000	0.00000	3/30/18	1286
	0.00000	0.00000	4/30/18	1286

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	0.00000	0.00000	6/29/18	1286
	0.00000	0.00000	7/31/18	1286
	0.00000	0.00000	8/31/18	1286
	0.00000	0.00000	9/28/18	1286
	0.00000	0.00000	10/31/18	1286
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	0.00000	0.00000	9/30/19	1286
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	0.00000	0.00000	11/29/19	1286
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	2.73580	-0.02670	10/4/16	1269
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	2.80250	0.04000	10/8/16	1269
	2.80250	0.04000	10/9/16	1269

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	2.80250	0.04000	10/11/16	1269
	2.80250	0.04000	10/12/16	1269
	2.80250	0.04000	10/13/16	1269
	2.80250	0.04000	10/14/16	1269
	2.80250	0.04000	10/15/16	1269
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	2.80250	0.04000	10/18/16	1269
	2.80250	0.04000	10/19/16	1269
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	2.80250	0.04000	10/21/16	1269
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	2.80250	0.04000	10/27/16	1269
	2.80250	0.04000	10/28/16	1269
	2.80250	0.04000	10/29/16	1269
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	2.80250	0.04000	10/31/16	1269
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	2.88400	0.04600	11/6/16	1269
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	2.88400	0.04600	11/30/16	1269

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	3.09550	0.01300	12/2/16	1269
	3.09550	0.01300	12/3/16	1269
	3.09550		12/4/16	1269
	3.09550		12/5/16	1269
	3.09550		12/6/16	1269
	2.88400	0.04600	10/31/16	1267
	3.09550	0.01300	11/30/16	1267
	3.21450	0.01100	12/30/16	1267
	3.23150	0.01000	1/31/17	1267
	3.18850	0.00800	2/28/17	1267
	2.98550	0.00300	3/31/17	1267
	2.90500	0.00200	4/28/17	1267
	2.92800	0.00100	5/31/17	1267
	2.97650	0.00000	6/30/17	1267
	2.99550	-0.00100	7/31/17	1267
	2.95100	-0.00200	8/31/17	1267
	2.96400	-0.00300	9/29/17	1267
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	0.00000	0.00000	9/29/17	1276
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	-0.10250	0.00000	12/30/16	1264
	-0.09250	0.00000	1/31/17	1264
	-0.08750	0.00000	2/28/17	1264
	-0.05250	0.00000	3/31/17	1264
	-0.09500	0.00000	4/28/17	1264
	-0.10000	0.00000	5/31/17	1264
	-0.07750	0.00000	6/30/17	1264

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	-0.09500	0.00000	9/29/17	1264
	-0.08750	0.00000	10/31/17	1264
	-0.09000	0.00000	11/30/17	1264
	-0.08250	0.00000	12/29/17	1264
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	-0.08250	0.00000	2/28/18	1264
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	0.00000	0.00000	2/28/18	1285
	0.00000	0.00000	3/30/18	1285

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	2.66500	0.00500	10/4/16	1452
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	2.70000	0.04000	10/6/16	1452
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	2.70000	0.04000	10/8/16	1452

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	2.78400	0.04600	11/3/16	1452

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	3.01050	0.00300	12/2/16	1452
	3.01050	0.00300	12/3/16	1452
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	3.01050		12/5/16	1452
	3.01050		12/6/16	1452
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	0.00000	0.00000	9/29/17	1453
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	-0.15000	0.00500	12/30/16	1457
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	-0.10000	-0.00500	3/31/17	1457
	-0.15000	0.00750	4/28/17	1457
	-0.15250	0.00750	5/31/17	1457

	-0.18250	0.00750	6/30/17	1457
	-0.19250	0.00750	7/31/17	1457
	-0.27000	0.00750	8/31/17	1457
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	-0.17750	0.00250	10/31/17	1457
	-0.18250	0.00250	11/30/17	1457
	-0.18250	0.00250	12/29/17	1457
	-0.18250	0.00250	1/31/18	1457
	-0.18750	0.00250	2/28/18	1457
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	0.00000	0.00000	12/30/16	1456
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	3.29950	0.01100	12/30/16	1498
	3.30150	0.01000	1/31/17	1498
	3.24100	0.00800	2/28/17	1498
	3.00550	0.00300	3/31/17	1498
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	3.02650	0.00000	6/30/17	1498
	3.03050	-0.00100	7/31/17	1498
	3.01100	-0.00200	8/31/17	1498
	3.02650	-0.00300	9/29/17	1498
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	0.00000	0.00000	11/29/19	1504
	0.90280	0.12030	10/3/16	1396
	0.90280	0.07280	10/4/16	1396
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	0.95000	0.12000	10/6/16	1396

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	1.23900	0.09100	11/2/16	1396
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	1.77050	0.06550	11/30/16	1394
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	2.18600	0.03550	2/28/17	1394
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	1.83050	0.01850	5/31/17	1394
	1.82650	0.01750	6/30/17	1394
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	-1.09000	0.02750	2/28/17	1408
	-1.09250	0.02250	3/31/17	1408

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	-0.77500	0.01750	1/31/18	1408
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	2.81400	0.04350	11/16/16	1399
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	3.10550		12/5/16	1399
	3.10550		12/6/16	1399
	2.81400	0.04350	10/31/16	1397
	3.10550	0.01300	11/30/16	1397
	3.24200	0.01850	12/30/16	1397
	3.25150	0.02000	1/31/17	1397
	3.11600	0.01800	2/28/17	1397
	2.88300	0.00300	3/31/17	1397
	2.76250	0.00200	4/28/17	1397
	2.80800	0.00100	5/31/17	1397
	2.84900	0.00000	6/30/17	1397
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	-0.07750	0.00000	11/30/16	1409
	-0.07500	0.00750	12/30/16	1409
	-0.07250	0.01000	1/31/17	1409
	-0.16000	0.01000	2/28/17	1409

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	-0.23750	0.00000	4/28/17	1409
	-0.22000	0.00000	5/31/17	1409
	-0.20500	0.00000	6/30/17	1409
	-0.21750	0.00000	7/31/17	1409
	-0.22250	0.00000	8/31/17	1409
	-0.21250	0.01500	9/29/17	1409
	-0.15000	0.00750	10/31/17	1409
	-0.13250	0.00750	11/30/17	1409
	-0.11750	0.00750	12/29/17	1409
	-0.12000	0.00750	1/31/18	1409
	-0.14500	0.00750	2/28/18	1409
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	0.00000	0.00000	11/30/17	1407

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	0.16750	0.00000	12/30/16	2361
	0.19250	0.00000	1/31/17	2361

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	0.11500	0.00750	3/31/17	2361
	0.02500	0.00750	4/28/17	2361
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	-0.04000	0.00750	6/30/17	2361
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	3.75800	0.00300	11/30/16	1836
	3.85200	0.00100	12/30/16	1836
	3.80150	0.00500	1/31/17	1836
	3.38350	0.00050	2/28/17	1836
	3.14050	0.00300	3/31/17	1836
	3.00750	-0.00050	4/28/17	1836
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	0.00000	0.00000	2/28/17	1839
	0.00000	0.00000	3/31/17	1839
	0.00000	0.00000	4/28/17	1839
	0.00000	0.00000	5/31/17	1839
	0.00000	0.00000	6/30/17	1839
	0.00000	0.00000	7/31/17	1839
	0.00000	0.00000	8/31/17	1839
	0.00000	0.00000	9/29/17	1839
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	0.57500	-0.01000	11/30/16	1842
	0.53500	-0.01000	12/30/16	1842

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	0.10750	-0.00750	2/28/17	1842
	0.10250	0.00000	3/31/17	1842
	0.00750	-0.00250	4/28/17	1842
	-0.00250	-0.00750	5/31/17	1842
	0.15500	0.00000	6/30/17	1842
	0.19000	0.00000	7/31/17	1842
	0.14500	0.00000	8/31/17	1842
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	3.09800		12/6/16	1597
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	3.09800	0.01550	11/30/16	1595
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	-0.08500	0.00250	11/30/16	1602

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	0.00000	0.00000	9/29/17	1587
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	-0.06250	0.00000	4/28/17	1591
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	0.00000	0.00000	9/30/19	1590

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	3.26950	0.01100	12/30/16	1573
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	2.98350	-0.00200	8/31/17	1573

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	0.00000	0.00000	8/31/17	1576
	0.00000	0.00000	9/29/17	1576

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	2.89450	0.04000	10/25/16	1813

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	2.89450	0.04000	10/7/16	3497
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	2.94000	0.00200	4/28/17	3495
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	3.00300	0.00300	3/31/17	3503
	2.95000	0.00200	4/28/17	3503
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	3.13050		12/5/16	3513
	3.13050		12/6/16	3513
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	3.23200	0.01350	12/30/16	3511
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	3.19350	0.01050	2/28/17	3511
	2.97800	0.00300	3/31/17	3511
	2.94000	0.00200	4/28/17	3511

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	0.00000	0.00000	9/29/17	3514
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	-0.06000	0.00000	4/28/17	3518
	-0.06250	0.00000	5/31/17	3518
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	3.10800		12/5/16	3816
	3.10800		12/6/16	3816
	2.91400	0.07600	10/31/16	3814
	3.10800	0.01550	11/30/16	3814
	3.24450	0.01350	12/30/16	3814
	3.25150	0.01250	1/31/17	3814
	3.20600	0.01050	2/28/17	3814
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	2.99350	-0.00200	8/31/17	3814
	3.01150	-0.00300	9/29/17	3814
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	-0.07000	0.00250	2/28/17	3821
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	-0.04500	0.00000	4/28/17	3821
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	-0.04750	0.00000	9/29/17	3821
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	3.13050		12/5/16	3824
	3.13050		12/6/16	3824
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	3.27200	0.01100	12/30/16	3822
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	3.24350	0.00800	2/28/17	3822

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	3.00800	-0.00100	7/31/17	3822
	2.99100	-0.00200	8/31/17	3822
	3.01400	-0.00300	9/29/17	3822
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	0.00000	0.00000	3/31/17	3825

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	0.00000	0.00000	2/28/19	3828

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	2.84500	0.05500	10/18/16	4017
	2.84500	0.05500	10/19/16	4017

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	2.84500	0.05500	10/22/16	4017
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	3.10400	0.04100	11/30/16	4017
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	3.35550		12/4/16	4017
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	3.35550		12/6/16	4017
	3.10400	0.04100	10/31/16	4015
	3.35550	0.02300	11/30/16	4015
	3.51450	0.01100	12/30/16	4015
	3.54650	0.01000	1/31/17	4015

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	3.18300	0.01050	3/31/17	4015
	3.05500	0.00950	4/28/17	4015
	3.02050	0.00850	5/31/17	4015
	3.04400	0.00750	6/30/17	4015
	3.05050	0.00650	7/31/17	4015
	3.04350	0.00550	8/31/17	4015
	3.09400	0.00450	9/29/17	4015
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	0.05500	0.00750	4/28/17	4022

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	2.33900	-0.00600	12/31/18	6379
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	2.22100	-0.00410	2/28/20	6379
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	0.00000	0.00000	1/31/17	5228
	0.00000	0.00000	2/28/17	5228
	0.00000	0.00000	3/31/17	5228
	0.00000	0.00000	4/28/17	5228
	0.00000	0.00000	5/31/17	5228
	0.00000	0.00000	6/30/17	5228
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	0.00000	0.00000	1/31/17	5224

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	0.00000	0.00000	3/31/17	5224
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	0.00000	0.00000	11/30/18	5224
	0.00000	0.00000	12/31/18	5224
	0.00000	0.00000	1/31/19	5224
	0.00000	0.00000	2/28/19	5224
	0.00000	0.00000	3/29/19	5224

	0.00000	0.00000	4/30/19	5224
	0.00000	0.00000	5/31/19	5224
	0.00000	0.00000	6/28/19	5224
	0.00000	0.00000	7/31/19	5224
	0.00000	0.00000	8/30/19	5224
	0.00000	0.00000	9/30/19	5224
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	0.00000	0.00000	11/30/16	6352
	0.00000	0.00000	12/30/16	6352
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	0.00000	0.00000	2/28/17	6352
	0.00000	0.00000	3/31/17	6352
	0.00000	0.00000	4/28/17	6352
	0.00000	0.00000	5/31/17	6352
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	0.00000	0.00000	3/31/17	6348

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	0.00000	0.00000	5/31/19	6348

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	2.64000	0.04000	10/9/16	1932
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	2.64000	0.04000	10/17/16	1932
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	2.64000	0.04000	10/19/16	1932
	2.64000	0.04000	10/20/16	1932
	2.64000	0.04000	10/21/16	1932
	2.64000	0.04000	10/22/16	1932

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	2.64000	0.04000	10/28/16	1932
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	2.64000	0.04000	10/30/16	1932
	2.64000	0.04000	10/31/16	1932
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	2.79900	0.02600	11/2/16	1932
	2.79900	0.02600	11/3/16	1932
	2.79900	0.02600	11/4/16	1932
	2.79900	0.02600	11/5/16	1932
	2.79900	0.02600	11/6/16	1932
	2.79900	0.02600	11/7/16	1932
	2.79900	0.02600	11/8/16	1932
	2.79900	0.02600	11/9/16	1932
	2.79900	0.02600	11/10/16	1932
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	2.79900	0.02600	11/14/16	1932
	2.79900	0.02600	11/15/16	1932
	2.79900	0.02600	11/16/16	1932
	2.79900	0.02600	11/17/16	1932

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	2.79900	0.02600	11/19/16	1932
	2.79900	0.02600	11/20/16	1932
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	2.79900	0.02600	11/22/16	1932
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	2.79900	0.02600	11/27/16	1932
	2.79900	0.02600	11/28/16	1932
	2.79900	0.02600	11/29/16	1932
	2.79900	0.02600	11/30/16	1932
	3.18800	0.01300	12/1/16	1932
	3.18800	0.01300	12/2/16	1932
	3.18800	0.01300	12/3/16	1932
	3.18800		12/4/16	1932
	3.18800		12/5/16	1932
	3.18800		12/6/16	1932
	2.79900	0.02600	10/31/16	1934
	3.18800	0.01300	11/30/16	1934
	3.26950	0.01100	12/30/16	1934
	3.28150	0.01000	1/31/17	1934
	3.01600	0.00800	2/28/17	1934
	2.74050	-0.00450	3/31/17	1934
	2.67500	-0.00550	4/28/17	1934

	2.71550	-0.00650	5/31/17	1934
	2.86650	-0.00750	6/30/17	1934
	2.87550	-0.00850	7/31/17	1934
	2.80100	-0.00950	8/31/17	1934
	2.81650	-0.01050	9/29/17	1934
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	0.00000	0.00000	10/19/16	1929
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	0.00000	0.00000	10/23/16	1929

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	0.00000	0.00000	11/11/16	1929
	0.00000	0.00000	11/12/16	1929
	0.00000	0.00000	11/13/16	1929
	0.00000	0.00000	11/14/16	1929
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	0.00000	0.00000	11/18/16	1929

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	0.00000	0.00000	11/22/16	1929
	0.00000	0.00000	11/23/16	1929
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	0.00000	0.00000	11/27/16	1929
	0.00000	0.00000	11/28/16	1929
	0.00000	0.00000	11/29/16	1929
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	0.00000	0.00000	12/2/16	1929
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	0.00000		12/6/16	1929
	0.00000	0.00000	10/31/16	1931
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	0.00000	0.00000	2/28/17	1931
	0.00000	0.00000	3/31/17	1931
	0.00000	0.00000	4/28/17	1931
	0.00000	0.00000	5/31/17	1931

	0.00000	0.00000	6/30/17	1931
	0.00000	0.00000	7/31/17	1931
	0.00000	0.00000	8/31/17	1931
	0.00000	0.00000	9/29/17	1931
	-0.16500	-0.01500	10/31/16	1928
	0.00500	0.00000	11/30/16	1928
	-0.04750	0.00000	12/30/16	1928
	-0.04250	0.00000	1/31/17	1928
	-0.26000	0.00000	2/28/17	1928
	-0.29750	-0.00750	3/31/17	1928
	-0.32500	-0.00750	4/28/17	1928
	-0.31250	-0.00750	5/31/17	1928
	-0.18750	-0.00750	6/30/17	1928
	-0.18250	-0.00750	7/31/17	1928
	-0.24000	-0.00750	8/31/17	1928
	-0.24250	-0.00750	9/29/17	1928
	-0.14500	0.00000	10/31/17	1928
	-0.08500	0.00000	11/30/17	1928
	-0.10750	0.00000	12/29/17	1928
	-0.11000	0.00000	1/31/18	1928
	-0.11250	0.00000	2/28/18	1928
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	0.00000	0.00000	12/30/16	1935
	0.00000	0.00000	1/31/17	1935
	0.00000	0.00000	2/28/17	1935

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	0.00000	0.00000	4/28/17	1935
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	0.00000	0.00000	4/30/18	1935
	0.00000	0.00000	5/31/18	1935
	0.00000	0.00000	6/29/18	1935
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	0.00000	0.00000	2/28/19	1935
	0.00000	0.00000	3/29/19	1935
	0.00000	0.00000	4/30/19	1935

	0.00000	0.00000	5/31/19	1935
	0.00000	0.00000	6/28/19	1935
	0.00000	0.00000	7/31/19	1935
	0.00000	0.00000	8/30/19	1935
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	0.00000	0.00000	11/29/19	1935
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	2.56490	-0.28960	10/4/16	6364
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	2.89450	0.04000	10/6/16	6364
	2.89450	0.04000	10/7/16	6364
	2.89450	0.04000	10/8/16	6364
	2.89450	0.04000	10/9/16	6364
	2.89450	0.04000	10/10/16	6364
	2.89450	0.04000	10/11/16	6364
	2.89450	0.04000	10/12/16	6364
	2.89450	0.04000	10/13/16	6364
	2.89450	0.04000	10/14/16	6364
	2.89450	0.04000	10/15/16	6364
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	2.89450	0.04000	10/18/16	6364
	2.89450	0.04000	10/19/16	6364
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	2.89450	0.04000	10/23/16	6364
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	2.89450	0.04000	10/31/16	6364
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	2.79900	0.02600	11/2/16	6364
	2.79900	0.02600	11/3/16	6364
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	2.79900	0.02600	11/10/16	6364
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	2.79900	0.02600	11/14/16	6364
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	2.79900	0.02600	11/16/16	6364

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	2.79900	0.02600	11/18/16	6364
	2.79900	0.02600	11/19/16	6364
	2.79900	0.02600	11/20/16	6364
	2.79900	0.02600	11/21/16	6364
	2.79900	0.02600	11/22/16	6364
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	2.79900	0.02600	11/26/16	6364
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	3.18800	0.01300	12/2/16	6364
	3.18800	0.01300	12/3/16	6364
	3.18800		12/4/16	6364
	3.18800		12/5/16	6364
	3.18800		12/6/16	6364
	2.79900	0.02600	10/31/16	6366
	3.18800	0.01300	11/30/16	6366
	3.26950	0.01100	12/30/16	6366
	3.28150	0.01000	1/31/17	6366
	3.01600	0.00800	2/28/17	6366
	2.74050	-0.00450	3/31/17	6366

	2.67500	-0.00550	4/28/17	6366
	2.71550	-0.00650	5/31/17	6366
	2.86650	-0.00750	6/30/17	6366
	2.87550	-0.00850	7/31/17	6366
	2.80100	-0.00950	8/31/17	6366
	2.81650	-0.01050	9/29/17	6366
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	0.00500	0.00000	11/30/16	6360
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	-0.04250	0.00000	1/31/17	6360
	-0.26000	0.00000	2/28/17	6360
	-0.29750	-0.00750	3/31/17	6360
	-0.32500	-0.00750	4/28/17	6360
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	-0.24250	-0.00750	9/29/17	6360
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	0.00000	0.00000	10/5/16	6361

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	0.00000	0.00000	10/8/16	6361
	0.00000	0.00000	10/9/16	6361
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	3.26450	0.01100	12/30/16	1828

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	2.96350	-0.00200	8/31/17	1828
	2.98400	-0.00300	9/29/17	1828
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	0.00000	0.00000	8/31/17	1831
	0.00000	0.00000	9/29/17	1831
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	-0.06500	0.00000	11/30/16	1834
	-0.05250	0.00000	12/30/16	1834
	-0.05500	0.00000	1/31/17	1834
	-0.06250	0.00000	2/28/17	1834
	-0.06750	0.00000	3/31/17	1834
	-0.07250	0.00000	4/28/17	1834
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	-0.07000	0.00000	2/28/18	1834
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	0.00000	0.00000	9/28/18	1835
	0.00000	0.00000	10/31/18	1835
	0.00000	0.00000	11/30/18	1835
	0.00000	0.00000	12/31/18	1835

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	2.71630	-0.04370	10/4/16	1822
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	2.95900	0.05350	11/10/16	1822
	2.95900	0.05350	11/11/16	1822
	2.95900	0.05350	11/12/16	1822

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	3.32550		12/4/16	1822
	3.32550		12/5/16	1822
	3.32550		12/6/16	1822
	2.95900	0.05350	10/31/16	1820
	3.32550	0.01550	11/30/16	1820

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	2.84050	0.00400	7/31/17	1820
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	2.89650	0.00200	9/29/17	1820
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	0.00000	0.00000	4/28/17	1823
	0.00000	0.00000	5/31/17	1823
	0.00000	0.00000	6/30/17	1823
	0.00000	0.00000	7/31/17	1823
	0.00000	0.00000	8/31/17	1823
	0.00000	0.00000	9/29/17	1823
	-0.00500	0.01250	10/31/16	1826
	0.14250	0.00250	11/30/16	1826
	0.41000	0.00000	12/30/16	1826
	0.41750	0.00000	1/31/17	1826
	0.06500	-0.01000	2/28/17	1826
	-0.02500	0.00750	3/31/17	1826
	-0.17000	0.00750	4/28/17	1826
	-0.20000	0.00750	5/31/17	1826
	-0.21000	0.00500	6/30/17	1826
	-0.21750	0.00500	7/31/17	1826
	-0.20000	0.00500	8/31/17	1826
	-0.16250	0.00500	9/29/17	1826
	0.01750	0.00000	10/31/17	1826
	0.07500	0.00000	11/30/17	1826
	0.22750	0.00000	12/29/17	1826
	0.22000	0.00000	1/31/18	1826
	0.03750	0.00000	2/28/18	1826

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	0.00000	0.00000	8/31/17	1827
	0.00000	0.00000	9/29/17	1827
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	0.00000	0.00000	11/30/17	1827
	0.00000	0.00000	12/29/17	1827
	0.00000	0.00000	1/31/18	1827
	0.00000	0.00000	2/28/18	1827
	0.00000	0.00000	3/30/18	1827
	0.00000	0.00000	4/30/18	1827
	0.00000	0.00000	5/31/18	1827
	0.00000	0.00000	6/29/18	1827
	0.00000	0.00000	7/31/18	1827
	0.00000	0.00000	8/31/18	1827
	0.00000	0.00000	9/28/18	1827
	0.00000	0.00000	10/31/18	1827
	0.00000	0.00000	11/30/18	1827

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	0.00000	0.00000	1/31/19	1827
	0.00000	0.00000	2/28/19	1827
	0.00000	0.00000	3/29/19	1827
	0.00000	0.00000	4/30/19	1827
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	0.00000	0.00000	9/30/19	1827
	0.00000	0.00000	10/31/19	1827
	0.00000	0.00000	11/29/19	1827
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	2.76500	0.05500	10/4/16	1779
	2.80000	0.13000	10/5/16	1779
	2.69500	0.02500	10/6/16	1779
	2.69500	0.02500	10/7/16	1779
	2.69500	0.02500	10/8/16	1779
	2.69500	0.02500	10/9/16	1779
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	2.69500	0.02500	10/11/16	1779
	2.69500	0.02500	10/12/16	1779
	2.69500	0.02500	10/13/16	1779
	2.69500	0.02500	10/14/16	1779
	2.69500	0.02500	10/15/16	1779
	2.69500	0.02500	10/16/16	1779

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	2.69500	0.02500	10/18/16	1779
	2.69500	0.02500	10/19/16	1779
	2.69500	0.02500	10/20/16	1779
	2.69500	0.02500	10/21/16	1779
	2.69500	0.02500	10/22/16	1779
	2.69500	0.02500	10/23/16	1779
	2.69500	0.02500	10/24/16	1779
	2.69500	0.02500	10/25/16	1779
	2.69500	0.02500	10/26/16	1779
	2.69500	0.02500	10/27/16	1779
	2.69500	0.02500	10/28/16	1779
	2.69500	0.02500	10/29/16	1779
	2.69500	0.02500	10/30/16	1779
	2.69500	0.02500	10/31/16	1779
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	2.85860	0.02010	11/3/16	1779
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	2.85860	0.02010	11/11/16	1779

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	2.85860	0.02010	11/13/16	1779
	2.85860	0.02010	11/14/16	1779
	2.85860	0.02010	11/15/16	1779
	2.85860	0.02010	11/16/16	1779
	2.85860	0.02010	11/17/16	1779
	2.85860	0.02010	11/18/16	1779
	2.85860	0.02010	11/19/16	1779
	2.85860	0.02010	11/20/16	1779
	2.85860	0.02010	11/21/16	1779
	2.85860	0.02010	11/22/16	1779
	2.85860	0.02010	11/23/16	1779
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	3.00260	0.02260	12/2/16	1779
	3.00260	0.02260	12/3/16	1779
	3.00260		12/4/16	1779
	3.00260		12/5/16	1779
	3.00260		12/6/16	1779
	2.85860	0.02010	10/31/16	1780

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	3.13830	0.02240	1/31/17	1780
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	2.80760	0.01950	3/31/17	1780
	2.75030	0.01180	4/28/17	1780
	2.75340	0.01060	5/31/17	1780
	2.77260	0.00930	6/30/17	1780
	2.77380	0.00810	7/31/17	1780
	2.82650	0.00700	8/31/17	1780
	2.90720	0.00610	9/29/17	1780
	3.06600	0.01660	10/31/17	1780
	3.20430	0.01720	11/30/17	1780
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	3.26100	0.01130	1/31/18	1780
	3.15970	0.01100	2/28/18	1780
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	2.56400	-0.00490	4/30/18	1780
	2.54660	-0.00250	5/31/18	1780
	2.53420	-0.00250	6/29/18	1780
	2.52420	-0.00760	7/31/18	1780
	2.56840	-0.00860	8/31/18	1780
	2.59080	-0.00970	9/28/18	1780
	2.82000	0.00230	10/31/18	1780
	2.94870	0.00270	11/30/18	1780
	3.05950	0.00320	12/31/18	1780

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	2.94950	-0.00090	2/28/19	1780
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	2.48050	0.00900	5/31/19	1780
	2.47270	0.00910	6/28/19	1780
	2.48520	0.00910	7/31/19	1780
	2.52850	0.00920	8/30/19	1780
	2.54410	0.00930	9/30/19	1780
	2.75970	0.00700	10/31/19	1780
	2.91040	0.00750	11/29/19	1780
	2.97780	0.00530	12/31/19	1780
	2.95570	0.00530	1/31/20	1780
	2.90570	0.00510	2/28/20	1780
	2.55670	0.01620	3/31/20	1780
	2.47360	0.00980	4/30/20	1780
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	2.48990	0.00970	7/31/20	1780
	2.60040	0.01010	8/31/20	1780
	2.61100	0.01020	9/30/20	1780
	2.77320	-0.00140	10/30/20	1780
	2.93340	-0.00080	11/30/20	1780
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	3.07080	-0.00030	1/29/21	1780
	3.02710	-0.00050	2/26/21	1780

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	2.57750	0.01010	5/31/21	1780
	2.61330	0.01020	6/30/21	1780
	2.59930	0.01020	7/30/21	1780
	2.67570	0.01050	8/31/21	1780
	2.71700	0.01060	9/30/21	1780
	2.72590	0.02100	10/3/16	1785
	2.72590	-0.04410	10/4/16	1785
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	2.82000	0.05000	10/8/16	1785
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	2.82000	0.05000	10/10/16	1785
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	2.82000	0.05000	10/12/16	1785
	2.82000	0.05000	10/13/16	1785
	2.82000	0.05000	10/14/16	1785
	2.82000	0.05000	10/15/16	1785
	2.82000	0.05000	10/16/16	1785
	2.82000	0.05000	10/17/16	1785
	2.82000	0.05000	10/18/16	1785
	2.82000	0.05000	10/19/16	1785
	2.82000	0.05000	10/20/16	1785
	2.82000	0.05000	10/21/16	1785

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	2.82000	0.05000	10/23/16	1785
	2.82000	0.05000	10/24/16	1785
	2.82000	0.05000	10/25/16	1785
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	2.82000	0.05000	10/29/16	1785
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	3.26400	0.01350	11/3/16	1785
	3.26400	0.01350	11/4/16	1785
	3.26400	0.01350	11/5/16	1785
	3.26400	0.01350	11/6/16	1785
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	3.26400	0.01350	11/28/16	1785
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	4.20300	0.00550	12/3/16	1785
	4.20300		12/4/16	1785
	4.20300		12/5/16	1785
	4.20300		12/6/16	1785
	3.26400	0.01350	10/31/16	1786
	4.20300	0.00550	11/30/16	1786
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	4.72900	0.00000	1/31/17	1786
	4.09100	0.00800	2/28/17	1786
	3.26300	0.01550	3/31/17	1786

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	3.11300	0.00600	5/31/17	1786
	3.06400	0.00000	6/30/17	1786
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	3.04100	-0.00200	8/31/17	1786
	3.05900	-0.00300	9/29/17	1786
	3.80800	-0.00500	10/31/17	1786
	3.94000	-0.00500	11/30/17	1786
	4.03700	-0.01000	12/29/17	1786
	3.99700	-0.01000	1/31/18	1786
	3.91600	-0.01000	2/28/18	1786
	2.75200	-0.01000	3/30/18	1786
	2.70500	-0.01100	4/30/18	1786
	2.64900	-0.00900	5/31/18	1786
	2.64200	-0.00900	6/29/18	1786
	2.60700	-0.01300	7/31/18	1786
	2.57800	-0.01400	8/31/18	1786
	2.59900	-0.01500	9/28/18	1786
	3.55700	-0.01600	10/31/18	1786
	3.70400	-0.01600	11/30/18	1786
	3.80900	-0.01600	12/31/18	1786
	3.77200	-0.01800	1/31/19	1786
	3.70600	-0.01900	2/28/19	1786
	2.49600	0.00800	3/29/19	1786
	2.48800	0.00800	4/30/19	1786
	2.51800	0.00800	5/31/19	1786

	2.55200	0.00800	6/28/19	1786
	2.56500	0.00800	7/31/19	1786
	2.55300	0.00800	8/30/19	1786
	2.58100	0.00800	9/30/19	1786
	3.50600	-0.01200	10/31/19	1786
	3.65100	-0.01200	11/29/19	1786
	3.77600	-0.01400	12/31/19	1786
	3.74100	-0.01400	1/31/20	1786
	3.67600	-0.01400	2/28/20	1786
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	2.49150	-0.00150	4/30/20	1786
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	2.56050	-0.00150	6/30/20	1786
	2.58850	-0.00150	7/31/20	1786
	2.59350	-0.00150	8/31/20	1786
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	3.72000	-0.01900	11/30/20	1786
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	3.83000	-0.01900	1/29/21	1786
	3.76500	-0.01900	2/26/21	1786
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	2.58400	-0.01900	4/30/21	1786
	2.61600	-0.01900	5/31/21	1786
	2.65300	-0.01900	6/30/21	1786
	2.68700	-0.01900	7/30/21	1786

	2.69200	-0.01900	8/31/21	1786
	2.73100	-0.01900	9/30/21	1786
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	1.40500	-0.01000	1/27/17	1794
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	0.22500	0.01250	4/26/17	1794
	0.08500	0.00500	5/26/17	1794
	0.01000	0.00000	6/28/17	1794
	0.00000	0.00000	7/27/17	1794
	0.00000	0.00000	8/29/17	1794
	0.00000	0.00000	9/27/17	1794
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	0.70000	0.00000	12/27/17	1794
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	-0.16000	0.02000	8/28/19	1794
	-0.16000	0.02000	9/26/19	1794
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	0.70000	0.00000	1/29/20	1794
	0.70000	0.00000	2/26/20	1794
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	-0.16250	0.01750	7/29/20	1794
	-0.16250	0.01750	8/27/20	1794
	-0.16250	0.01750	9/28/20	1794
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	0.70000	0.00000	11/25/20	1794

	0.70000	0.00000	12/29/20	1794
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	0.70000	0.00000	2/24/21	1794
	-0.16000	0.00000	3/29/21	1794
	-0.16000	0.00000	4/28/21	1794
	-0.16000	0.00000	5/26/21	1794
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	-0.16000	0.00000	7/28/21	1794
	-0.16000	0.00000	8/27/21	1794
	-0.16000	0.00000	9/28/21	1794
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	0.70000	0.00000	11/26/21	1794
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	2.87000	0.04000	10/13/16	1941
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	2.87000	0.04000	10/19/16	1941
	2.87000	0.04000	10/20/16	1941
	2.87000	0.04000	10/21/16	1941
	2.87000	0.04000	10/22/16	1941
	2.87000	0.04000	10/23/16	1941
	2.87000	0.04000	10/24/16	1941
	2.87000	0.04000	10/25/16	1941
	2.87000	0.04000	10/26/16	1941
	2.87000	0.04000	10/27/16	1941
	2.87000	0.04000	10/28/16	1941
	2.87000	0.04000	10/29/16	1941
	2.87000	0.04000	10/30/16	1941
	2.87000	0.04000	10/31/16	1941
	2.92150	0.03850	11/1/16	1941
	2.92150	0.03850	11/2/16	1941
	2.92150	0.03850	11/3/16	1941
	2.92150	0.03850	11/4/16	1941
	2.92150	0.03850	11/5/16	1941
	2.92150	0.03850	11/6/16	1941
	2.92150	0.03850	11/7/16	1941
	2.92150	0.03850	11/8/16	1941
	2.92150	0.03850	11/9/16	1941
	2.92150	0.03850	11/10/16	1941
	2.92150	0.03850	11/11/16	1941

	2.92150	0.03850	11/12/16	1941
	2.92150	0.03850	11/13/16	1941
	2.92150	0.03850	11/14/16	1941
	2.92150	0.03850	11/15/16	1941
	2.92150	0.03850	11/16/16	1941
	2.92150	0.03850	11/17/16	1941
	2.92150	0.03850	11/18/16	1941
	2.92150	0.03850	11/19/16	1941
	2.92150	0.03850	11/20/16	1941
	2.92150	0.03850	11/21/16	1941
	2.92150	0.03850	11/22/16	1941
	2.92150	0.03850	11/23/16	1941
	2.92150	0.03850	11/24/16	1941
	2.92150	0.03850	11/25/16	1941
	2.92150	0.03850	11/26/16	1941
	2.92150	0.03850	11/27/16	1941
	2.92150	0.03850	11/28/16	1941
	2.92150	0.03850	11/29/16	1941
	2.92150	0.03850	11/30/16	1941
	3.11800	0.01050	12/1/16	1941
	3.11800	0.01050	12/2/16	1941
	3.11800	0.01050	12/3/16	1941
	3.11800		12/4/16	1941
	3.11800		12/5/16	1941
	3.11800		12/6/16	1941
	2.92150	0.03850	10/31/16	1943

	3.11800	0.01050	11/30/16	1943
	3.22950	0.01100	12/30/16	1943
	3.24900	0.01500	1/31/17	1943
	3.18600	0.00550	2/28/17	1943
	2.98050	0.00300	3/31/17	1943
	2.95500	0.00200	4/28/17	1943
	2.98550	0.00100	5/31/17	1943
	3.03400	0.00000	6/30/17	1943
	3.04300	-0.00100	7/31/17	1943
	3.01600	-0.00200	8/31/17	1943
	3.01650	-0.00300	9/29/17	1943
	0.00000	0.00000	10/3/16	1938
	0.00000	0.00000	10/4/16	1938
	0.00000	0.00000	10/5/16	1938
	0.00000	0.00000	10/6/16	1938
	0.00000	0.00000	10/7/16	1938
	0.00000	0.00000	10/8/16	1938
	0.00000	0.00000	10/9/16	1938
	0.00000	0.00000	10/10/16	1938
	0.00000	0.00000	10/11/16	1938
	0.00000	0.00000	10/12/16	1938
	0.00000	0.00000	10/13/16	1938
	0.00000	0.00000	10/14/16	1938
	0.00000	0.00000	10/15/16	1938
	0.00000	0.00000	10/16/16	1938
	0.00000	0.00000	10/17/16	1938

	0.00000	0.00000	10/18/16	1938
	0.00000	0.00000	10/19/16	1938
	0.00000	0.00000	10/20/16	1938
	0.00000	0.00000	10/21/16	1938
	0.00000	0.00000	10/22/16	1938
	0.00000	0.00000	10/23/16	1938
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	0.00000	0.00000	10/25/16	1938
	0.00000	0.00000	10/26/16	1938
	0.00000	0.00000	10/27/16	1938
	0.00000	0.00000	10/28/16	1938
	0.00000	0.00000	10/29/16	1938
	0.00000	0.00000	10/30/16	1938
	0.00000	0.00000	10/31/16	1938
	0.00000	0.00000	11/1/16	1938
	0.00000	0.00000	11/2/16	1938
	0.00000	0.00000	11/3/16	1938
	0.00000	0.00000	11/4/16	1938
	0.00000	0.00000	11/5/16	1938
	0.00000	0.00000	11/6/16	1938
	0.00000	0.00000	11/7/16	1938
	0.00000	0.00000	11/8/16	1938
	0.00000	0.00000	11/9/16	1938
	0.00000	0.00000	11/10/16	1938
	0.00000	0.00000	11/11/16	1938
	0.00000	0.00000	11/12/16	1938

	0.00000	0.00000	11/13/16	1938
	0.00000	0.00000	11/14/16	1938
	0.00000	0.00000	11/15/16	1938
	0.00000	0.00000	11/16/16	1938
	0.00000	0.00000	11/17/16	1938
	0.00000	0.00000	11/18/16	1938
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	0.00000	0.00000	11/20/16	1938
	0.00000	0.00000	11/21/16	1938
	0.00000	0.00000	11/22/16	1938
	0.00000	0.00000	11/23/16	1938
	0.00000	0.00000	11/24/16	1938
	0.00000	0.00000	11/25/16	1938
	0.00000	0.00000	11/26/16	1938
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	0.00000	0.00000	11/28/16	1938
	0.00000	0.00000	11/29/16	1938
	0.00000	0.00000	11/30/16	1938
	0.00000	0.00000	12/1/16	1938
	0.00000	0.00000	12/2/16	1938
	0.00000	0.00000	12/3/16	1938
	0.00000		12/4/16	1938
	0.00000		12/5/16	1938
	0.00000		12/6/16	1938
	0.00000	0.00000	10/31/16	1940
	0.00000	0.00000	11/30/16	1940

	0.00000	0.00000	12/30/16	1940
	0.00000	0.00000	1/31/17	1940
	0.00000	0.00000	2/28/17	1940
	0.00000	0.00000	3/31/17	1940
	0.00000	0.00000	4/28/17	1940
	0.00000	0.00000	5/31/17	1940
	0.00000	0.00000	6/30/17	1940
	0.00000	0.00000	7/31/17	1940
	0.00000	0.00000	8/31/17	1940
	0.00000	0.00000	9/29/17	1940
	-0.04250	-0.00250	10/31/16	1936
	-0.06500	-0.00250	11/30/16	1936
	-0.08750	0.00000	12/30/16	1936
	-0.07500	0.00500	1/31/17	1936
	-0.09000	-0.00250	2/28/17	1936
	-0.05750	0.00000	3/31/17	1936
	-0.04500	0.00000	4/28/17	1936
	-0.04250	0.00000	5/31/17	1936
	-0.02000	0.00000	6/30/17	1936
	-0.01500	0.00000	7/31/17	1936
	-0.02500	0.00000	8/31/17	1936
	-0.04250	0.00000	9/29/17	1936
	-0.06500	0.00000	10/31/17	1936
	-0.07500	0.00000	11/30/17	1936
	-0.01250	0.00000	12/29/17	1936
	-0.00500	0.00000	1/31/18	1936

	0.00250	0.00000	2/28/18	1936
	0.00000	0.00000	10/31/16	1937
	0.00000	0.00000	11/30/16	1937
	0.00000	0.00000	12/30/16	1937
	0.00000	0.00000	1/31/17	1937
	0.00000	0.00000	2/28/17	1937
	0.00000	0.00000	3/31/17	1937
	0.00000	0.00000	4/28/17	1937
	0.00000	0.00000	5/31/17	1937
	0.00000	0.00000	6/30/17	1937
	0.00000	0.00000	7/31/17	1937
	0.00000	0.00000	8/31/17	1937
	0.00000	0.00000	9/29/17	1937
	0.00000	0.00000	10/31/17	1937
	0.00000	0.00000	11/30/17	1937
	0.00000	0.00000	12/29/17	1937
	0.00000	0.00000	1/31/18	1937
	0.00000	0.00000	2/28/18	1937
	0.00000	0.00000	3/30/18	1937
	0.00000	0.00000	4/30/18	1937
	0.00000	0.00000	5/31/18	1937
	0.00000	0.00000	6/29/18	1937
	0.00000	0.00000	7/31/18	1937
	0.00000	0.00000	8/31/18	1937
	0.00000	0.00000	9/28/18	1937
	0.00000	0.00000	10/31/18	1937

	0.00000	0.00000	11/30/18	1937
	0.00000	0.00000	12/31/18	1937
	0.00000	0.00000	1/31/19	1937
	0.00000	0.00000	2/28/19	1937
	0.00000	0.00000	3/29/19	1937
	0.00000	0.00000	4/30/19	1937
	0.00000	0.00000	5/31/19	1937
	0.00000	0.00000	6/28/19	1937
	0.00000	0.00000	7/31/19	1937
	0.00000	0.00000	8/30/19	1937
	0.00000	0.00000	9/30/19	1937
	0.00000	0.00000	10/31/19	1937
	0.00000	0.00000	11/29/19	1937
	2.80900	0.03580	10/3/16	1949
	2.80900	-0.04550	10/4/16	1949
	2.89450	0.04000	10/5/16	1949
	2.89450	0.04000	10/6/16	1949
	2.89450	0.04000	10/7/16	1949
	2.89450	0.04000	10/8/16	1949
	2.89450	0.04000	10/9/16	1949
	2.89450	0.04000	10/10/16	1949
	2.89450	0.04000	10/11/16	1949
	2.89450	0.04000	10/12/16	1949
	2.89450	0.04000	10/13/16	1949
	2.89450	0.04000	10/14/16	1949
	2.89450	0.04000	10/15/16	1949

	2.89450	0.04000	10/16/16	1949
	2.89450	0.04000	10/17/16	1949
	2.89450	0.04000	10/18/16	1949
	2.89450	0.04000	10/19/16	1949
	2.89450	0.04000	10/20/16	1949
	2.89450	0.04000	10/21/16	1949
	2.89450	0.04000	10/22/16	1949
	2.89450	0.04000	10/23/16	1949
	2.89450	0.04000	10/24/16	1949
	2.89450	0.04000	10/25/16	1949
	2.89450	0.04000	10/26/16	1949
	2.89450	0.04000	10/27/16	1949
	2.89450	0.04000	10/28/16	1949
	2.89450	0.04000	10/29/16	1949
	2.89450	0.04000	10/30/16	1949
	2.89450	0.04000	10/31/16	1949
	2.88150	0.04100	11/1/16	1949
	2.88150	0.04100	11/2/16	1949
	2.88150	0.04100	11/3/16	1949
	2.88150	0.04100	11/4/16	1949
	2.88150	0.04100	11/5/16	1949
	2.88150	0.04100	11/6/16	1949
	2.88150	0.04100	11/7/16	1949
	2.88150	0.04100	11/8/16	1949
	2.88150	0.04100	11/9/16	1949
	2.88150	0.04100	11/10/16	1949

	2.88150	0.04100	11/11/16	1949
	2.88150	0.04100	11/12/16	1949
	2.88150	0.04100	11/13/16	1949
	2.88150	0.04100	11/14/16	1949
	2.88150	0.04100	11/15/16	1949
	2.88150	0.04100	11/16/16	1949
	2.88150	0.04100	11/17/16	1949
	2.88150	0.04100	11/18/16	1949
	2.88150	0.04100	11/19/16	1949
	2.88150	0.04100	11/20/16	1949
	2.88150	0.04100	11/21/16	1949
	2.88150	0.04100	11/22/16	1949
	2.88150	0.04100	11/23/16	1949
	2.88150	0.04100	11/24/16	1949
	2.88150	0.04100	11/25/16	1949
	2.88150	0.04100	11/26/16	1949
	2.88150	0.04100	11/27/16	1949
	2.88150	0.04100	11/28/16	1949
	2.88150	0.04100	11/29/16	1949
	2.88150	0.04100	11/30/16	1949
	3.10050	0.01300	12/1/16	1949
	3.10050	0.01300	12/2/16	1949
	3.10050	0.01300	12/3/16	1949
	3.10050		12/4/16	1949
	3.10050		12/5/16	1949
	3.10050		12/6/16	1949

	2.88150	0.04100	10/31/16	1951
	3.10050	0.01300	11/30/16	1951
	3.25450	0.01100	12/30/16	1951
	3.26650	0.01000	1/31/17	1951
	3.21100	0.00800	2/28/17	1951
	2.97050	0.00300	3/31/17	1951
	2.92750	0.00200	4/28/17	1951
	2.95050	0.00100	5/31/17	1951
	2.97650	0.00000	6/30/17	1951
	2.98050	-0.00100	7/31/17	1951
	2.96350	-0.00200	8/31/17	1951
	2.98400	-0.00300	9/29/17	1951
	2.71570	0.04490	10/3/16	2372
	2.71570	-0.04430	10/4/16	2372
	2.79600	0.03600	10/5/16	2372
	2.79600	0.03600	10/6/16	2372
	2.79600	0.03600	10/7/16	2372
	2.79600	0.03600	10/8/16	2372
	2.79600	0.03600	10/9/16	2372
	2.79600	0.03600	10/10/16	2372
	2.79600	0.03600	10/11/16	2372
	2.79600	0.03600	10/12/16	2372
	2.79600	0.03600	10/13/16	2372
	2.79600	0.03600	10/14/16	2372
	2.79600	0.03600	10/15/16	2372
	2.79600	0.03600	10/16/16	2372

	2.79600	0.03600	10/17/16	2372
	2.79600	0.03600	10/18/16	2372
	2.79600	0.03600	10/19/16	2372
	2.79600	0.03600	10/20/16	2372
	2.79600	0.03600	10/21/16	2372
	2.79600	0.03600	10/22/16	2372
	2.79600	0.03600	10/23/16	2372
	2.79600	0.03600	10/24/16	2372
	2.79600	0.03600	10/25/16	2372
	2.79600	0.03600	10/26/16	2372
	2.79600	0.03600	10/27/16	2372
	2.79600	0.03600	10/28/16	2372
	2.79600	0.03600	10/29/16	2372
	2.79600	0.03600	10/30/16	2372
	2.79600	0.03600	10/31/16	2372
	2.95900	0.05350	11/1/16	2372
	2.95900	0.05350	11/2/16	2372
	2.95900	0.05350	11/3/16	2372
	2.95900	0.05350	11/4/16	2372
	2.95900	0.05350	11/5/16	2372
	2.95900	0.05350	11/6/16	2372
	2.95900	0.05350	11/7/16	2372
	2.95900	0.05350	11/8/16	2372
	2.95900	0.05350	11/9/16	2372
	2.95900	0.05350	11/10/16	2372
	2.95900	0.05350	11/11/16	2372

	2.95900	0.05350	11/12/16	2372
	2.95900	0.05350	11/13/16	2372
	2.95900	0.05350	11/14/16	2372
	2.95900	0.05350	11/15/16	2372
	2.95900	0.05350	11/16/16	2372
	2.95900	0.05350	11/17/16	2372
	2.95900	0.05350	11/18/16	2372
	2.95900	0.05350	11/19/16	2372
	2.95900	0.05350	11/20/16	2372
	2.95900	0.05350	11/21/16	2372
	2.95900	0.05350	11/22/16	2372
	2.95900	0.05350	11/23/16	2372
	2.95900	0.05350	11/24/16	2372
	2.95900	0.05350	11/25/16	2372
	2.95900	0.05350	11/26/16	2372
	2.95900	0.05350	11/27/16	2372
	2.95900	0.05350	11/28/16	2372
	2.95900	0.05350	11/29/16	2372
	2.95900	0.05350	11/30/16	2372
	3.32550	0.01550	12/1/16	2372
	3.32550	0.01550	12/2/16	2372
	3.32550	0.01550	12/3/16	2372
	3.32550		12/4/16	2372
	3.32550		12/5/16	2372
	3.32550		12/6/16	2372
	0.00000	0.00000	10/31/16	6363

	0.00000	0.00000	11/30/16	6363
	0.00000	0.00000	12/30/16	6363
	0.00000	0.00000	1/31/17	6363
	0.00000	0.00000	2/28/17	6363
	0.00000	0.00000	3/31/17	6363
	0.00000	0.00000	4/28/17	6363
	0.00000	0.00000	5/31/17	6363
	0.00000	0.00000	6/30/17	6363
	0.00000	0.00000	7/31/17	6363
	0.00000	0.00000	8/31/17	6363
	0.00000	0.00000	9/29/17	6363
	0.00000	0.00000	10/31/16	6359
	0.00000	0.00000	11/30/16	6359
	0.00000	0.00000	12/30/16	6359
	0.00000	0.00000	1/31/17	6359
	0.00000	0.00000	2/28/17	6359
	0.00000	0.00000	3/31/17	6359
	0.00000	0.00000	4/28/17	6359
	0.00000	0.00000	5/31/17	6359
	0.00000	0.00000	6/30/17	6359
	0.00000	0.00000	7/31/17	6359
	0.00000	0.00000	8/31/17	6359
	0.00000	0.00000	9/29/17	6359
	0.00000	0.00000	10/31/17	6359
	0.00000	0.00000	11/30/17	6359
	0.00000	0.00000	12/29/17	6359

	0.00000	0.00000	1/31/18	6359
	0.00000	0.00000	2/28/18	6359
	0.00000	0.00000	3/30/18	6359
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	0.00000	0.00000	5/31/18	6359
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	0.00000	0.00000	6/28/19	6359
	0.00000	0.00000	7/31/19	6359
	0.00000	0.00000	8/30/19	6359
	0.00000	0.00000	9/30/19	6359
	0.00000	0.00000	10/31/19	6359
	0.00000	0.00000	11/29/19	6359
	2.85200	0.00920	10/3/16	15689
	2.85200	-0.00250	10/4/16	15689
	2.89450	0.04000	10/5/16	15689

	2.89450	0.04000	10/6/16	15689
	2.89450	0.04000	10/7/16	15689
	2.89450	0.04000	10/8/16	15689
	2.89450	0.04000	10/9/16	15689
	2.89450	0.04000	10/10/16	15689
	2.89450	0.04000	10/11/16	15689
	2.89450	0.04000	10/12/16	15689
	2.89450	0.04000	10/13/16	15689
	2.89450	0.04000	10/14/16	15689
	2.89450	0.04000	10/15/16	15689
	2.89450	0.04000	10/16/16	15689
	2.89450	0.04000	10/17/16	15689
	2.89450	0.04000	10/18/16	15689
	2.89450	0.04000	10/19/16	15689
	2.89450	0.04000	10/20/16	15689
	2.89450	0.04000	10/21/16	15689
	2.89450	0.04000	10/22/16	15689
	2.89450	0.04000	10/23/16	15689
	2.89450	0.04000	10/24/16	15689
	2.89450	0.04000	10/25/16	15689
	2.89450	0.04000	10/26/16	15689
	2.89450	0.04000	10/27/16	15689
	2.89450	0.04000	10/28/16	15689
	2.89450	0.04000	10/29/16	15689
	2.89450	0.04000	10/30/16	15689
	2.89450	0.04000	10/31/16	15689

	2.93900	0.04350	11/1/16	15689
	2.93900	0.04350	11/2/16	15689
	2.93900	0.04350	11/3/16	15689
	2.93900	0.04350	11/4/16	15689
	2.93900	0.04350	11/5/16	15689
	2.93900	0.04350	11/6/16	15689
	2.93900	0.04350	11/7/16	15689
	2.93900	0.04350	11/8/16	15689
	2.93900	0.04350	11/9/16	15689
	2.93900	0.04350	11/10/16	15689
	2.93900	0.04350	11/11/16	15689
	2.93900	0.04350	11/12/16	15689
	2.93900	0.04350	11/13/16	15689
	2.93900	0.04350	11/14/16	15689
	2.93900	0.04350	11/15/16	15689
	2.93900	0.04350	11/16/16	15689
	2.93900	0.04350	11/17/16	15689
	2.93900	0.04350	11/18/16	15689
	2.93900	0.04350	11/19/16	15689
	2.93900	0.04350	11/20/16	15689
	2.93900	0.04350	11/21/16	15689
	2.93900	0.04350	11/22/16	15689
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	2.93900	0.04350	11/25/16	15689
	2.93900	0.04350	11/26/16	15689

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	2.93900	0.04350	11/28/16	15689
	2.93900	0.04350	11/29/16	15689
	2.93900	0.04350	11/30/16	15689
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	3.12800	0.01050	12/3/16	15689
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	3.12800		12/5/16	15689
	3.12800		12/6/16	15689
	2.93900	0.04350	10/31/16	15691
	3.12800	0.01050	11/30/16	15691
	3.24200	0.01100	12/30/16	15691
	3.25900	0.01500	1/31/17	15691
	3.20350	0.00550	2/28/17	15691
	2.99800	0.00300	3/31/17	15691
	2.97250	0.00200	4/28/17	15691
	3.00300	0.00100	5/31/17	15691
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	3.05550	-0.00100	7/31/17	15691
	3.02850	-0.00200	8/31/17	15691
	3.03150	-0.00300	9/29/17	15691
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	-0.05500	-0.00250	11/30/16	15685
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	-0.06500	0.00500	1/31/17	15685

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	-0.02500	0.00000	2/28/18	15685
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	0.00000	0.00000	10/15/16	15686

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	0.00000		12/5/16	15686
	0.00000		12/6/16	15686

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	0.00000	0.00000	11/29/19	15684
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	2.92900	0.24900	10/4/16	15697

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	2.72000	0.04000	10/6/16	15697
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	2.72000	0.04000	10/30/16	15697

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	2.92900	0.04350	11/30/16	15697
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	3.14800	0.01050	12/3/16	15697
	3.14800		12/4/16	15697
	3.14800		12/5/16	15697
	3.14800		12/6/16	15697
	2.92900	0.04350	10/31/16	15699
	3.14800	0.01050	11/30/16	15699
	3.25450	0.01100	12/30/16	15699
	3.26400	0.01500	1/31/17	15699
	3.19850	0.00550	2/28/17	15699
	2.93800	0.00300	3/31/17	15699
	2.91500	0.00200	4/28/17	15699
	2.95050	0.00100	5/31/17	15699
	2.98650	0.00000	6/30/17	15699
	2.99300	-0.00100	7/31/17	15699
	2.96350	-0.00200	8/31/17	15699
	2.96900	-0.00300	9/29/17	15699
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	0.00000	0.00000	10/5/16	1946

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	2.35100	0.01850	12/30/16	6381
	2.36050	0.01750	1/31/17	6381
	2.31250	0.01050	2/28/17	6381
	2.11200	0.00800	3/31/17	6381
	2.06650	0.00200	4/28/17	6381
	2.06950	0.00100	5/31/17	6381
	2.08550	0.00000	6/30/17	6381
	2.08700	-0.00100	7/31/17	6381
	2.13000	-0.00200	8/31/17	6381
	2.19550	-0.00300	9/29/17	6381
	2.33200	0.00500	10/31/17	6381
	2.44400	0.00500	11/30/17	6381
	2.52100	0.00000	12/29/17	6381
	2.49100	0.00000	1/31/18	6381
	2.41000	0.00000	2/28/18	6381
	2.03350	-0.00500	3/30/18	6381
	1.93900	-0.01100	4/30/18	6381
	1.92550	-0.00900	5/31/18	6381
	1.91600	-0.00900	6/29/18	6381
	1.90850	-0.01310	7/31/18	6381
	1.94450	-0.01410	8/31/18	6381
	1.96300	-0.01510	9/28/18	6381
	2.14850	-0.00610	10/31/18	6381
	2.25300	-0.00610	11/30/18	6381
	2.34300	-0.00610	12/31/18	6381

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	0.00000	0.00000	8/31/17	15711
	0.00000	0.00000	9/29/17	15711

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	-0.09250	0.00000	2/28/18	2132
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	0.00000	0.00000	7/31/17	2131

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	2.81570	-0.04630	10/4/16	2119
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	2.90200	0.04000	10/7/16	2119
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	3.11300		12/5/16	2119
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	3.11300	0.01300	11/30/16	2117
	3.25700	0.01100	12/30/16	2117
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	3.20850	0.00800	2/28/17	2117
	2.98800	0.00550	3/31/17	2117
	2.94500	0.00450	4/28/17	2117
	2.96550	0.00350	5/31/17	2117
	2.99150	0.00250	6/30/17	2117
	2.99550	0.00150	7/31/17	2117
	2.97850	0.00050	8/31/17	2117

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	0.00000	0.00000	9/29/17	2120

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	-0.05500	0.00250	4/28/17	2124
	-0.06250	0.00250	5/31/17	2124
	-0.06250	0.00250	6/30/17	2124
	-0.06250	0.00250	7/31/17	2124
	-0.06250	0.00250	8/31/17	2124
	-0.05750	0.00250	9/29/17	2124
	-0.09250	0.00000	10/31/17	2124
	-0.09250	0.00000	11/30/17	2124
	-0.06500	0.00000	12/29/17	2124
	-0.06750	0.00000	1/31/18	2124
	-0.07500	0.00000	2/28/18	2124
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	2.94150	0.04100	10/31/16	2285
	3.12800	0.00550	11/30/16	2285
	3.22450	0.00850	12/30/16	2285
	3.23650	0.01000	1/31/17	2285
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	2.92000	0.00200	4/28/17	2285
	2.95050	0.00100	5/31/17	2285
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	0.00000	0.00000	8/31/17	2288

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	-0.08750	0.00000	1/31/17	2292
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	-0.09250	0.00000	3/31/17	2292
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	-0.05500	0.00000	7/31/17	2292
	-0.06500	0.00000	8/31/17	2292
	-0.08000	0.00000	9/29/17	2292
	-0.09500	0.00000	10/31/17	2292
	-0.10250	0.00000	11/30/17	2292
	-0.09750	0.00000	12/29/17	2292
	-0.09000	0.00000	1/31/18	2292
	-0.09000	0.00000	2/28/18	2292
	0.00000	0.00000	10/31/16	2291
	0.00000	0.00000	11/30/16	2291
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	0.00000	0.00000	4/28/17	2291
	0.00000	0.00000	5/31/17	2291

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	0.00000	0.00000	4/30/19	2291
	0.00000	0.00000	5/31/19	2291
	0.00000	0.00000	6/28/19	2291
	0.00000	0.00000	7/31/19	2291

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	0.00000	0.00000	10/31/19	2291
	0.00000	0.00000	11/29/19	2291
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	3.18300	0.01300	12/3/16	2295
	3.18300		12/4/16	2295
	3.18300		12/5/16	2295
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	3.31700	0.01100	12/30/16	2293
	3.28900	0.01250	1/31/17	2293
	3.24100	0.00550	2/28/17	2293
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	2.95400	0.00000	6/30/17	2293

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	2.96350	-0.00200	8/31/17	2293
	2.99150	-0.00300	9/29/17	2293
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	2.60050	0.04100	5/31/17	15707
	2.72400	0.03250	6/30/17	15707
	2.64050	0.03400	7/31/17	15707

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	2.53150	0.03700	9/29/17	15707
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	0.48500	-0.02750	2/28/17	15701
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	2.37910	0.00930	9/30/19	6378
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	2.55200	0.01060	9/30/21	6378
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	2.93830	0.03240	1/31/17	6380
	2.87780	0.02350	2/28/17	6380
	2.62760	0.01950	3/31/17	6380
	2.57030	0.01180	4/28/17	6380
	2.57340	0.01060	5/31/17	6380
	2.59260	0.00930	6/30/17	6380
	2.59380	0.00810	7/31/17	6380
	2.64650	0.00700	8/31/17	6380
	2.72720	0.00610	9/29/17	6380
	2.89600	0.01660	10/31/17	6380
	3.03430	0.01720	11/30/17	6380

	3.12900	0.01140	12/29/17	6380
	3.09100	0.01130	1/31/18	6380
	2.98970	0.01100	2/28/18	6380
	2.52190	0.00300	3/30/18	6380
	2.40400	-0.00490	4/30/18	6380
	2.38660	-0.00250	5/31/18	6380
	2.37420	-0.00250	6/29/18	6380
	2.36420	-0.00760	7/31/18	6380
	2.40840	-0.00860	8/31/18	6380
	2.43080	-0.00970	9/28/18	6380
	2.66000	0.00230	10/31/18	6380
	2.78870	0.00270	11/30/18	6380
	2.89950	0.00320	12/31/18	6380
	2.86240	0.00060	1/31/19	6380
	2.78950	-0.00090	2/28/19	6380
	2.40250	0.01560	3/29/19	6380
	2.33030	0.00910	4/30/19	6380
	2.32050	0.00900	5/31/19	6380
	2.31270	0.00910	6/28/19	6380
	2.32520	0.00910	7/31/19	6380
	2.36850	0.00920	8/30/19	6380
	2.38410	0.00930	9/30/19	6380
	2.59970	0.00700	10/31/19	6380
	2.75040	0.00750	11/29/19	6380
	2.81780	0.00530	12/31/19	6380
	2.79570	0.00530	1/31/20	6380

	2.74570	0.00510	2/28/20	6380
	2.39670	0.01620	3/31/20	6380
	2.31360	0.00980	4/30/20	6380
	2.32480	0.00980	5/29/20	6380
	2.33910	0.00980	6/30/20	6380
	2.32990	0.00970	7/31/20	6380
	2.44040	0.01010	8/31/20	6380
	2.45100	0.01020	9/30/20	6380
	2.61320	-0.00140	10/30/20	6380
	2.77340	-0.00080	11/30/20	6380
	2.93910	-0.00020	12/31/20	6380
	2.91080	-0.00030	1/29/21	6380
	2.86710	-0.00050	2/26/21	6380
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	2.45330	0.01020	6/30/21	6380
	2.43930	0.01020	7/30/21	6380
	2.51570	0.01050	8/31/21	6380
	2.55700	0.01060	9/30/21	6380
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	2.73190	-0.06810	10/4/16	6375
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	-0.06000	0.00500	4/28/17	2300
	-0.07750	-0.00250	5/31/17	2300

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	3.28900	0.01250	1/31/17	2301
	3.24100	0.00550	2/28/17	2301
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	2.95400	0.00000	6/30/17	2301
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	-0.06000	0.00500	4/28/17	2308

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	4.87800	-0.05200	11/30/16	4746
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	2.63550	0.04400	7/31/17	4746
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	5.61000	-0.01500	12/30/16	4740
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	0.73250	-0.03000	2/28/17	4740
	-0.30000	0.04500	3/31/17	4740

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	3.01100	0.00300	2/28/17	2362
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	-0.26500	-0.00500	2/28/17	2369

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	3.04550		12/6/16	3210
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	0.00000	0.00000	4/30/18	3214
	0.00000	0.00000	5/31/18	3214

	0.00000	0.00000	6/29/18	3214
	0.00000	0.00000	7/31/18	3214
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	0.00000	0.00000	11/29/19	3214
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	2.74810	-0.04190	10/4/16	3202
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	2.83000	0.04000	10/10/16	3202

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	3.13050		12/5/16	3202
	3.13050		12/6/16	3202
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	3.27400	0.01000	1/31/17	3200
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	3.00300	0.00300	3/31/17	3200
	2.95000	0.00200	4/28/17	3200
	2.98300	0.00100	5/31/17	3200
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	3.00800	-0.00100	7/31/17	3200
	2.99100	-0.00200	8/31/17	3200
	3.01400	-0.00300	9/29/17	3200
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	0.00000	0.00000	10/11/16	3205

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	-0.05000	0.00000	4/28/17	3207
	-0.04500	0.00000	5/31/17	3207
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	-0.04500	0.00000	9/29/17	3207
	-0.03000	0.00000	10/31/17	3207
	-0.03000	0.00000	11/30/17	3207
	0.00000	0.00000	12/29/17	3207
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	-0.04500	0.00000	2/28/18	3207
	0.00000	0.00000	10/31/16	3206
	0.00000	0.00000	11/30/16	3206
	0.00000	0.00000	12/30/16	3206
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	0.00000	0.00000	2/28/17	3206
	0.00000	0.00000	3/31/17	3206
	0.00000	0.00000	4/28/17	3206
	0.00000	0.00000	5/31/17	3206
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	0.00000	0.00000	8/31/17	3206
	0.00000	0.00000	9/29/17	3206
	0.00000	0.00000	10/31/17	3206
	0.00000	0.00000	11/30/17	3206
	0.00000	0.00000	12/29/17	3206
	0.00000	0.00000	1/31/18	3206
	0.00000	0.00000	2/28/18	3206
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	0.00000	0.00000	4/30/18	3206

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	0.00000	0.00000	8/30/19	3206
	0.00000	0.00000	9/30/19	3206
	0.00000	0.00000	10/31/19	3206
	0.00000	0.00000	11/29/19	3206
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	2.52880	-0.15120	10/4/16	2438
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	2.72000	0.04000	10/9/16	2438

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	2.72000	0.04000	10/18/16	2438
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	2.72000	0.04000	10/31/16	2438
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	2.81400	0.04600	11/2/16	2438
	2.81400	0.04600	11/3/16	2438
	2.81400	0.04600	11/4/16	2438

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	3.05050	0.01300	12/3/16	2438
	3.05050		12/4/16	2438
	3.05050		12/5/16	2438
	3.05050		12/6/16	2438
	2.81400	0.04600	10/31/16	2436
	3.05050	0.01300	11/30/16	2436
	3.19200	0.01100	12/30/16	2436
	3.19400	0.01000	1/31/17	2436
	3.12600	0.00800	2/28/17	2436
	2.94550	0.00300	3/31/17	2436
	2.82000	0.00200	4/28/17	2436
	2.88050	0.00100	5/31/17	2436
	2.94150	0.00000	6/30/17	2436
	2.95800	-0.00100	7/31/17	2436
	2.89100	-0.00200	8/31/17	2436
	2.89150	-0.00300	9/29/17	2436
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	0.00000	0.00000	9/29/17	2439
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	-0.13250	0.00000	11/30/16	2443
	-0.12500	0.00000	12/30/16	2443
	-0.13000	0.00000	1/31/17	2443
	-0.15000	0.00000	2/28/17	2443
	-0.09250	0.00000	3/31/17	2443
	-0.18000	0.00000	4/28/17	2443
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	-0.11250	0.00000	6/30/17	2443

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	-0.15000	0.00000	8/31/17	2443
	-0.16750	0.00000	9/29/17	2443
	-0.14750	0.00000	10/31/17	2443
	-0.10500	0.00000	11/30/17	2443
	-0.10000	0.00000	12/29/17	2443
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	0.00000	0.00000	7/31/17	2442
	0.00000	0.00000	8/31/17	2442
	0.00000	0.00000	9/29/17	2442
	0.00000	0.00000	10/31/17	2442
	0.00000	0.00000	11/30/17	2442
	0.00000	0.00000	12/29/17	2442
	0.00000	0.00000	1/31/18	2442
	0.00000	0.00000	2/28/18	2442
	0.00000	0.00000	3/30/18	2442

	0.00000	0.00000	4/30/18	2442
	0.00000	0.00000	5/31/18	2442
	0.00000	0.00000	6/29/18	2442
	0.00000	0.00000	7/31/18	2442
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	0.00000	0.00000	9/28/18	2442
	0.00000	0.00000	10/31/18	2442
	0.00000	0.00000	11/30/18	2442
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	0.00000	0.00000	1/31/19	2442
	0.00000	0.00000	2/28/19	2442
	0.00000	0.00000	3/29/19	2442
	0.00000	0.00000	4/30/19	2442
	0.00000	0.00000	5/31/19	2442
	0.00000	0.00000	6/28/19	2442
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	0.00000	0.00000	8/30/19	2442
	0.00000	0.00000	9/30/19	2442
	0.00000	0.00000	10/31/19	2442
	0.00000	0.00000	11/29/19	2442
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	2.58220	-0.02480	10/4/16	2651
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	2.63850	0.03150	10/6/16	2651
	2.63850	0.03150	10/7/16	2651
	2.63850	0.03150	10/8/16	2651

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	2.63850	0.03150	10/10/16	2651
	2.63850	0.03150	10/11/16	2651
	2.63850	0.03150	10/12/16	2651
	2.63850	0.03150	10/13/16	2651
	2.63850	0.03150	10/14/16	2651
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	2.63850	0.03150	10/16/16	2651
	2.63850	0.03150	10/17/16	2651
	2.63850	0.03150	10/18/16	2651
	2.63850	0.03150	10/19/16	2651
	2.63850	0.03150	10/20/16	2651
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	2.63850	0.03150	10/31/16	2651
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	2.80150	0.03600	11/2/16	2651
	2.80150	0.03600	11/3/16	2651

	2.80150	0.03600	11/4/16	2651
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	2.80150	0.03600	11/29/16	2651

	2.80150	0.03600	11/30/16	2651
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	3.25550	0.00800	12/3/16	2651
	3.25550		12/4/16	2651
	3.25550		12/5/16	2651
	3.25550		12/6/16	2651
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	3.25550	0.00800	11/30/16	2649
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	3.30150	0.01250	1/31/17	2649
	3.00350	0.00550	2/28/17	2649
	2.70550	0.00300	3/31/17	2649
	2.68000	0.00200	4/28/17	2649
	2.70550	0.00100	5/31/17	2649
	2.78400	0.00000	6/30/17	2649
	2.79300	-0.00100	7/31/17	2649
	2.76600	-0.00200	8/31/17	2649
	2.84650	-0.00300	9/29/17	2649
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	0.00000	0.00000	10/6/16	2654
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	0.00000	0.00000	10/9/16	2654

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	0.00000	0.00000	10/13/16	2654
	0.00000	0.00000	10/14/16	2654
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	0.00000	0.00000	9/29/17	2652
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	-0.27250	-0.00250	2/28/17	2656
	-0.33250	0.00000	3/31/17	2656
	-0.32000	0.00000	4/28/17	2656
	-0.32250	0.00000	5/31/17	2656

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	-0.26500	0.00000	7/31/17	2656
	-0.27500	0.00000	8/31/17	2656
	-0.21250	0.00000	9/29/17	2656
	-0.15000	0.00500	10/31/17	2656
	-0.07250	0.00500	11/30/17	2656
	-0.09500	0.00500	12/29/17	2656
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	-0.18000	0.00500	2/28/18	2656
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	0.00000	0.00000	12/30/16	2655
	0.00000	0.00000	1/31/17	2655
	0.00000	0.00000	2/28/17	2655
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	0.00000	0.00000	2/28/18	2655

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	0.00000	0.00000	4/30/18	2655
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	0.00000	0.00000	8/31/18	2655
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	0.00000	0.00000	8/30/19	2655
	0.00000	0.00000	9/30/19	2655
	0.00000	0.00000	10/31/19	2655
	0.00000	0.00000	11/29/19	2655
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	2.64850	-0.00850	10/4/16	931
	2.70700	0.05000	10/5/16	931
	2.70700	0.05000	10/6/16	931
	2.70700	0.05000	10/7/16	931

	2.70700	0.05000	10/8/16	931
	2.70700	0.05000	10/9/16	931
	2.70700	0.05000	10/10/16	931
	2.70700	0.05000	10/11/16	931
	2.70700	0.05000	10/12/16	931
	2.70700	0.05000	10/13/16	931
	2.70700	0.05000	10/14/16	931
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	2.70700	0.05000	10/16/16	931
	2.70700	0.05000	10/17/16	931
	2.70700	0.05000	10/18/16	931
	2.70700	0.05000	10/19/16	931
	2.70700	0.05000	10/20/16	931
	2.70700	0.05000	10/21/16	931
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	2.70700	0.05000	10/23/16	931
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	2.70700	0.05000	10/30/16	931
	2.70700	0.05000	10/31/16	931
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	2.96400	0.04100	11/2/16	931

	2.96400	0.04100	11/3/16	931
	2.96400	0.04100	11/4/16	931
	2.96400	0.04100	11/5/16	931
	2.96400	0.04100	11/6/16	931
	2.96400	0.04100	11/7/16	931
	2.96400	0.04100	11/8/16	931
	2.96400	0.04100	11/9/16	931
	2.96400	0.04100	11/10/16	931
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	2.96400	0.04100	11/12/16	931
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	2.96400	0.04100	11/15/16	931
	2.96400	0.04100	11/16/16	931
	2.96400	0.04100	11/17/16	931
	2.96400	0.04100	11/18/16	931
	2.96400	0.04100	11/19/16	931
	2.96400	0.04100	11/20/16	931
	2.96400	0.04100	11/21/16	931
	2.96400	0.04100	11/22/16	931
	2.96400	0.04100	11/23/16	931
	2.96400	0.04100	11/24/16	931
	2.96400	0.04100	11/25/16	931
	2.96400	0.04100	11/26/16	931
	2.96400	0.04100	11/27/16	931
	2.96400	0.04100	11/28/16	931

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	2.96400	0.04100	11/30/16	931
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	3.18300	0.01300	12/2/16	931
	3.18300	0.01300	12/3/16	931
	3.18300		12/4/16	931
	3.18300		12/5/16	931
	3.18300		12/6/16	931
	2.96400	0.04100	10/31/16	933
	3.18300	0.01300	11/30/16	933
	3.38950	0.01100	12/30/16	933
	3.47900	0.01000	1/31/17	933
	3.37100	0.00800	2/28/17	933
	2.71300	0.00300	3/31/17	933
	2.67500	0.00200	4/28/17	933
	2.70300	0.00100	5/31/17	933
	2.72900	0.00000	6/30/17	933
	2.73300	-0.00100	7/31/17	933
	2.71600	-0.00200	8/31/17	933
	2.73400	-0.00300	9/29/17	933
	3.21800	-0.04500	10/31/17	933
	3.35000	-0.04500	11/30/17	933
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	3.40700	-0.05000	1/31/18	933
	3.32600	-0.05000	2/28/18	933
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	2.48900	-0.09900	5/31/18	933
	2.51200	-0.09900	6/29/18	933
	2.51200	-0.10300	7/31/18	933
	2.50300	-0.10400	8/31/18	933
	2.53400	-0.10500	9/28/18	933
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	3.02900	-0.01600	11/30/18	933
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	3.03100	-0.01900	2/28/19	933
	2.49900	-0.01200	3/29/19	933
	2.49100	-0.01200	4/30/19	933
	2.52100	-0.01200	5/31/19	933
	2.55500	-0.01200	6/28/19	933
	2.56800	-0.01200	7/31/19	933
	2.55600	-0.01200	8/30/19	933
	2.58400	-0.01200	9/30/19	933
	2.82600	-0.01200	10/31/19	933
	2.97100	-0.01200	11/29/19	933
	3.09600	-0.01400	12/31/19	933
	3.06100	-0.01400	1/31/20	933
	2.99600	-0.01400	2/28/20	933
	2.50400	-0.01900	3/31/20	933
	2.49700	-0.01900	4/30/20	933
	2.52900	-0.01900	5/29/20	933

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	2.59400	-0.01900	7/31/20	933
	2.59900	-0.01900	8/31/20	933
	2.63300	-0.01900	9/30/20	933
	2.81200	-0.01900	10/30/20	933
	2.96500	-0.01900	11/30/20	933
	3.11000	-0.01900	12/31/20	933
	3.07500	-0.01900	1/29/21	933
	3.01000	-0.01900	2/26/21	933
	2.59300	-0.01900	3/31/21	933
	2.58700	-0.01900	4/30/21	933
	2.61900	-0.01900	5/31/21	933
	2.65600	-0.01900	6/30/21	933
	2.69000	-0.01900	7/30/21	933
	2.69500	-0.01900	8/31/21	933
	2.73400	-0.01900	9/30/21	933
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	0.00000	0.00000	11/28/16	884
	0.07250	0.00000	12/28/16	884
	0.15500	0.00000	1/27/17	884
	0.09500	0.00000	2/24/17	884
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	-0.32500	0.00000	7/27/17	884

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	5.39300	0.01300	11/30/16	15610
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	2.74000	0.00200	4/28/17	15610
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	2.79800	-0.00100	7/31/17	15610
	2.78100	-0.00200	8/31/17	15610
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	2.68200	-0.01000	3/30/18	15610
	2.63500	-0.01100	4/30/18	15610
	2.64900	-0.00900	5/31/18	15610
	2.67200	-0.00900	6/29/18	15610
	2.67200	-0.01300	7/31/18	15610
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	2.61300	-0.01900	6/30/20	15610
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	2.68000	-0.01900	9/30/20	15610
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	2.21000	0.00000	11/30/16	15614
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	1.00000	0.00000	2/28/17	15614

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	3.55000	0.00000	1/31/20	15614
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	-0.11000	0.00000	7/31/20	15614
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	1.35000	0.00000	10/30/20	15614
	2.60000	0.00000	11/30/20	15614
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	3.50000	0.00000	1/29/21	15614
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	-0.11000	0.00000	4/30/21	15614
	-0.11000	0.00000	5/28/21	15614
	-0.11000	0.00000	6/30/21	15614

	-0.11000	0.00000	7/30/21	15614
	-0.11000	0.00000	8/31/21	15614
	-0.11000	0.00000	9/30/21	15614
	1.30000	0.00000	10/29/21	15614
	2.55000	0.00000	11/30/21	15614
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	2.61270	-0.10230	10/4/16	2884
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	2.70000	-0.01500	10/6/16	2884
	2.70000	-0.01500	10/7/16	2884
	2.70000	-0.01500	10/8/16	2884
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	3.23450	0.01100	12/30/16	2882
	3.24150	0.01000	1/31/17	2882
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	2.87550	0.00300	3/31/17	2882
	2.83250	0.00200	4/28/17	2882
	2.85800	0.00100	5/31/17	2882

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	2.95900	-0.00300	9/29/17	2882
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	0.00000	0.00000	10/6/16	2887
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	2.38200	0.05000	10/9/16	15611

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	3.26400	0.04100	11/4/16	15611

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	3.26400	0.04100	11/29/16	15611
	3.26400	0.04100	11/30/16	15611

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	5.39300	0.01300	12/2/16	15611
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	5.39300		12/4/16	15611
	5.39300		12/5/16	15611
	5.39300		12/6/16	15611
	3.26400	0.04100	10/31/16	15613
	5.39300	0.01300	11/30/16	15613
	6.71700	0.01100	12/30/16	15613
	6.50400	0.01000	1/31/17	15613
	4.27600	0.00800	2/28/17	15613
	2.77800	0.00300	3/31/17	15613
	2.74000	0.00200	4/28/17	15613
	2.76800	0.00100	5/31/17	15613
	2.79400	0.00000	6/30/17	15613
	2.79800	-0.00100	7/31/17	15613
	2.78100	-0.00200	8/31/17	15613
	2.79900	-0.00300	9/29/17	15613
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	5.44000	-0.00500	11/30/17	15613
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	4.26600	-0.01000	2/28/18	15613
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	2.63500	-0.01100	4/30/18	15613
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	2.53800	-0.01200	4/30/19	15613
	2.56800	-0.01200	5/31/19	15613
	2.60200	-0.01200	6/28/19	15613
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	2.61300	-0.01900	6/30/20	15613
	2.64100	-0.01900	7/31/20	15613

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	6.46500	-0.01900	12/31/20	15613
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	4.11500	-0.01900	2/26/21	15613
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	3.40000	0.00000	12/31/18	15615
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	3.12800	0.01050	11/30/16	2874

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	2.97250	0.00200	4/28/17	2874
	3.00300	0.00100	5/31/17	2874
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	3.02850	-0.00200	8/31/17	2874
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	0.00000	0.00000	2/28/18	2880
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	0.00000	0.00000	5/31/18	2880
	0.00000	0.00000	6/29/18	2880
	0.00000	0.00000	7/31/18	2880
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	0.00000	0.00000	11/30/18	2880

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	0.00000	0.00000	11/29/19	2880
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	2.74810	-0.04190	10/4/16	2973
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	2.83000	0.04000	10/16/16	2973

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	3.10300		12/5/16	2973
	3.10300		12/6/16	2973
	2.87650	0.04100	10/31/16	2971

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	3.22900	0.01500	1/31/17	2971
	3.17100	0.00550	2/28/17	2971
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	2.91800	0.00100	5/31/17	2971
	2.96150	0.00000	6/30/17	2971
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	2.94350	-0.00200	8/31/17	2971
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	0.00000	0.00000	9/29/17	2974
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	-0.08000	-0.00250	11/30/16	2978
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	-0.10500	-0.00250	2/28/17	2978
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	-0.11250	0.00000	4/28/17	2978
	-0.11000	0.00000	5/31/17	2978
	-0.09250	0.00000	6/30/17	2978
	-0.08750	0.00000	7/31/17	2978
	-0.09750	0.00000	8/31/17	2978
	-0.11250	0.00000	9/29/17	2978
	-0.06750	0.00000	10/31/17	2978
	-0.07750	0.00000	11/30/17	2978
	-0.07000	0.00000	12/29/17	2978
	-0.06000	0.00000	1/31/18	2978

	-0.06000	0.00000	2/28/18	2978
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	0.00000	0.00000	9/29/17	2977
	0.00000	0.00000	10/31/17	2977
	0.00000	0.00000	11/30/17	2977
	0.00000	0.00000	12/29/17	2977
	0.00000	0.00000	1/31/18	2977
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	0.00000	0.00000	4/30/18	2977
	0.00000	0.00000	5/31/18	2977
	0.00000	0.00000	6/29/18	2977
	0.00000	0.00000	7/31/18	2977
	0.00000	0.00000	8/31/18	2977
	0.00000	0.00000	9/28/18	2977
	0.00000	0.00000	10/31/18	2977

	0.00000	0.00000	11/30/18	2977
	0.00000	0.00000	12/31/18	2977
	0.00000	0.00000	1/31/19	2977
	0.00000	0.00000	2/28/19	2977
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	0.00000	0.00000	4/30/19	2977
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	0.00000	0.00000	8/30/19	2977
	0.00000	0.00000	9/30/19	2977
	0.00000	0.00000	10/31/19	2977
	0.00000	0.00000	11/29/19	2977
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	2.69250	0.04000	10/12/16	2981
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	2.69250	0.04000	10/14/16	2981
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	2.69250	0.04000	10/28/16	2981
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	3.27400	0.02000	1/31/17	2979
	3.10600	0.01800	2/28/17	2979
	2.84800	0.00300	3/31/17	2979
	2.72250	0.00200	4/28/17	2979
	2.77800	0.00100	5/31/17	2979
	2.81150	0.00000	6/30/17	2979
	2.80550	-0.00100	7/31/17	2979
	2.78100	-0.00200	8/31/17	2979
	2.83900	0.01200	9/29/17	2979
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	-0.22000	0.01500	9/29/17	2986
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	-0.17750	0.00750	11/30/17	2986
	-0.09750	0.00750	12/29/17	2986

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	-1.19750	0.02000	9/29/17	4732
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	0.14750	0.00000	11/30/17	4732

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	0.00000	0.00000	8/31/18	4731

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	1.64000	0.06000	11/30/16	16213
	1.97000	0.06000	12/30/16	16213
	2.12000	0.05000	1/31/17	16213
	2.06000	0.03000	2/28/17	16213
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	1.64000	0.02000	9/29/17	16213
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	2.38000	0.05000	10/10/16	16221

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	5.39000		12/5/16	16221
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	2.59500	-0.00500	10/28/16	16452
	2.59500	-0.00500	10/29/16	16452
	2.59500	-0.00500	10/30/16	16452
	2.59500	-0.00500	10/31/16	16452

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	2.82860	0.07010	11/2/16	16452
	2.82860	0.07010	11/3/16	16452
	2.82860	0.07010	11/4/16	16452
	2.82860	0.07010	11/5/16	16452
	2.82860	0.07010	11/6/16	16452
	2.82860	0.07010	11/7/16	16452
	2.82860	0.07010	11/8/16	16452
	2.82860	0.07010	11/9/16	16452
	2.82860	0.07010	11/10/16	16452
	2.82860	0.07010	11/11/16	16452
	2.82860	0.07010	11/12/16	16452
	2.82860	0.07010	11/13/16	16452
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	2.82860	0.07010	11/15/16	16452
	2.82860	0.07010	11/16/16	16452
	2.82860	0.07010	11/17/16	16452
	2.82860	0.07010	11/18/16	16452
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	2.82860	0.07010	11/21/16	16452
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	2.82860	0.07010	11/29/16	16452
	2.82860	0.07010	11/30/16	16452
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	2.93260	0.03260	12/2/16	16452
	2.93260	0.03260	12/3/16	16452
	2.93260		12/4/16	16452
	2.93260		12/5/16	16452
	2.93260		12/6/16	16452
	2.82860	0.07010	10/31/16	16451
	2.93260	0.03260	11/30/16	16451
	3.05710	0.03370	12/30/16	16451
	3.06830	0.03240	1/31/17	16451
	3.00780	0.02350	2/28/17	16451
	2.64260	0.01950	3/31/17	16451
	2.58530	0.01180	4/28/17	16451
	2.58840	0.01060	5/31/17	16451
	2.60760	0.00930	6/30/17	16451
	2.60880	0.00810	7/31/17	16451
	2.66150	0.00700	8/31/17	16451
	2.74220	0.00610	9/29/17	16451
	2.93100	0.01660	10/31/17	16451
	3.06930	0.01720	11/30/17	16451
	3.16400	0.01140	12/29/17	16451
	3.12600	0.01130	1/31/18	16451

	3.02470	0.01100	2/28/18	16451
	2.52190	0.00300	3/30/18	16451
	2.40400	-0.00490	4/30/18	16451
	2.38660	-0.00250	5/31/18	16451
	2.37420	-0.00250	6/29/18	16451
	2.36420	-0.00760	7/31/18	16451
	2.40840	-0.00860	8/31/18	16451
	2.43080	-0.00970	9/28/18	16451
	2.66000	0.00230	10/31/18	16451
	2.78870	0.00270	11/30/18	16451
	2.89950	0.00320	12/31/18	16451
	2.86240	0.00060	1/31/19	16451
	2.78950	-0.00090	2/28/19	16451
	2.40250	0.01560	3/29/19	16451
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	2.31270	0.00910	6/28/19	16451
	2.32520	0.00910	7/31/19	16451
	2.36850	0.00920	8/30/19	16451
	2.07410	0.00930	9/30/19	16451
	2.26970	0.00700	10/31/19	16451
	2.42040	0.00750	11/29/19	16451
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	2.41570	0.00510	2/28/20	16451
	2.06670	0.01620	3/31/20	16451

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	2.11040	0.01010	8/31/20	16451
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	2.07890	-0.00920	10/10/16	16476

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	2.40960	0.01290	2/28/17	16466
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	2.07360	0.00330	5/31/17	16466
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	2.19680	-0.00060	9/29/17	16466
	2.34800	0.00740	10/31/17	16466
	2.45880	0.00760	11/30/17	16466
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	2.50430	0.00280	1/31/18	16466
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	2.02030	-0.00260	3/30/18	16466
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	1.91190	-0.00680	5/31/18	16466
	1.90200	-0.00680	6/29/18	16466

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	2.32280	-0.00330	12/31/18	16466
	2.29310	-0.00530	1/31/19	16466
	2.23470	-0.00630	2/28/19	16466
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	1.86680	0.00260	4/30/19	16466
	1.85900	0.00260	5/31/19	16466
	1.85270	0.00260	6/28/19	16466
	1.86270	0.00260	7/31/19	16466
	1.89740	0.00260	8/30/19	16466
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	1.93900	0.00120	11/29/19	16466
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	1.59800	0.00380	5/29/20	16466
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	1.69070	0.00400	8/31/20	16466

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	2.06750	-0.00540	4/30/21	16466
	2.06750	-0.00540	5/31/21	16466
	2.06750	-0.00540	6/30/21	16466
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	1.26000	0.04000	10/18/16	18583

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	2.63850	0.03150	11/2/16	19013

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	2.63850	0.03150	4/28/17	19015
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	0.00000	0.00000	5/31/19	19019
	0.00000	0.00000	6/28/19	19019

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	2.63850	0.03150	2/28/17	19025
	2.63850	0.03150	3/31/17	19025
	2.63850	0.03150	4/28/17	19025
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	3.00300	0.00300	3/31/17	18962
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	3.00400	0.00000	6/30/17	18962
	3.00800	-0.00100	7/31/17	18962

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	3.78300	-0.00700	11/30/16	19219
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	6.48900	0.05000	1/31/17	19219
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	2.60050	0.04100	5/31/17	19219
	2.72400	0.03250	6/30/17	19219

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	2.53150	0.03700	9/29/17	19219
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	0.00000	0.00000	11/29/19	19223
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	-0.28250	0.05000	3/31/17	19224
	-0.36500	0.04000	4/28/17	19224
	-0.42750	0.04000	5/31/17	19224
	-0.33000	0.03250	6/30/17	19224
	-0.41750	0.03500	7/31/17	19224
	-0.62500	0.04000	8/31/17	19224
	-0.52750	0.04000	9/29/17	19224

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	0.60000	-0.01750	11/30/17	19224
	3.13750	0.03750	12/29/17	19224
	3.14500	0.04250	1/31/18	19224
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	2.67900	0.09600	11/24/16	19353
	2.67900	0.09600	11/25/16	19353
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	2.67900	0.09600	11/30/16	19353
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	3.73300		12/4/16	19353
	3.73300		12/5/16	19353
	3.73300		12/6/16	19353
	2.67900	0.09600	10/31/16	19355
	3.73300	-0.00700	11/30/16	19355
	6.49200	0.04600	12/30/16	19355
	6.43900	0.05000	1/31/17	19355
	3.71100	-0.01950	2/28/17	19355
	2.70550	0.05300	3/31/17	19355
	2.98500	0.04200	4/28/17	19355
	2.95050	0.04100	5/31/17	19355

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	2.99050	0.03400	7/31/17	19355
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	2.88150	0.03700	9/29/17	19355
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	0.00000	0.00000	10/4/16	19356
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	0.00000	0.00000	10/6/16	19356
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	0.00000	0.00000	10/9/16	19356
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	0.00000	0.00000	10/16/16	19356
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	0.00000	0.00000	10/18/16	19356
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	0.00000	0.00000	10/20/16	19356
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	0.00000	0.00000	10/22/16	19356
	0.00000	0.00000	10/23/16	19356
	0.00000	0.00000	10/24/16	19356

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	0.00000	0.00000	10/26/16	19356
	0.00000	0.00000	10/27/16	19356
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	0.00000	0.00000	10/29/16	19356
	0.00000	0.00000	10/30/16	19356
	0.00000	0.00000	10/31/16	19356
	0.00000	0.00000	11/1/16	19356
	0.00000	0.00000	11/2/16	19356
	0.00000	0.00000	11/3/16	19356
	0.00000	0.00000	11/4/16	19356
	0.00000	0.00000	11/5/16	19356
	0.00000	0.00000	11/6/16	19356
	0.00000	0.00000	11/7/16	19356
	0.00000	0.00000	11/8/16	19356
	0.00000	0.00000	11/9/16	19356
	0.00000	0.00000	11/10/16	19356
	0.00000	0.00000	11/11/16	19356
	0.00000	0.00000	11/12/16	19356
	0.00000	0.00000	11/13/16	19356
	0.00000	0.00000	11/14/16	19356
	0.00000	0.00000	11/15/16	19356
	0.00000	0.00000	11/16/16	19356
	0.00000	0.00000	11/17/16	19356
	0.00000	0.00000	11/18/16	19356
	0.00000	0.00000	11/19/16	19356

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	0.00000	0.00000	11/21/16	19356
	0.00000	0.00000	11/22/16	19356
	0.00000	0.00000	11/23/16	19356
	0.00000	0.00000	11/24/16	19356
	0.00000	0.00000	11/25/16	19356
	0.00000	0.00000	11/26/16	19356
	0.00000	0.00000	11/27/16	19356
	0.00000	0.00000	11/28/16	19356
	0.00000	0.00000	11/29/16	19356
	0.00000	0.00000	11/30/16	19356
	0.00000	0.00000	12/1/16	19356
	0.00000	0.00000	12/2/16	19356
	0.00000	0.00000	12/3/16	19356
	0.00000		12/4/16	19356
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	0.00000	0.00000	10/31/16	19358
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	0.00000	0.00000	12/30/16	19358
	0.00000	0.00000	1/31/17	19358
	0.00000	0.00000	2/28/17	19358
	0.00000	0.00000	3/31/17	19358
	0.00000	0.00000	4/28/17	19358
	0.00000	0.00000	5/31/17	19358
	0.00000	0.00000	6/30/17	19358

	0.00000	0.00000	7/31/17	19358
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	0.00000	0.00000	11/30/16	19359
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	0.00000	0.00000	1/31/17	19359
	0.00000	0.00000	2/28/17	19359
	0.00000	0.00000	3/31/17	19359
	0.00000	0.00000	4/28/17	19359
	0.00000	0.00000	5/31/17	19359
	0.00000	0.00000	6/30/17	19359
	0.00000	0.00000	7/31/17	19359
	0.00000	0.00000	8/31/17	19359
	0.00000	0.00000	9/29/17	19359
	0.00000	0.00000	10/31/17	19359
	0.00000	0.00000	11/30/17	19359
	0.00000	0.00000	12/29/17	19359
	0.00000	0.00000	1/31/18	19359
	0.00000	0.00000	2/28/18	19359
	0.00000	0.00000	3/30/18	19359
	0.00000	0.00000	4/30/18	19359
	0.00000	0.00000	5/31/18	19359
	0.00000	0.00000	6/29/18	19359
	0.00000	0.00000	7/31/18	19359
	0.00000	0.00000	8/31/18	19359

	0.00000	0.00000	9/28/18	19359
	0.00000	0.00000	10/31/18	19359
	0.00000	0.00000	11/30/18	19359
	0.00000	0.00000	12/31/18	19359
	0.00000	0.00000	1/31/19	19359
	0.00000	0.00000	2/28/19	19359
	0.00000	0.00000	3/29/19	19359
	0.00000	0.00000	4/30/19	19359
	0.00000	0.00000	5/31/19	19359
	0.00000	0.00000	6/28/19	19359
	0.00000	0.00000	7/31/19	19359
	0.00000	0.00000	8/30/19	19359
	0.00000	0.00000	9/30/19	19359
	0.00000	0.00000	10/31/19	19359
	0.00000	0.00000	11/29/19	19359
	-0.28500	0.05500	10/27/16	19360
	0.55000	-0.02000	11/28/16	19360
	3.17500	0.03500	12/28/16	19360
	3.11500	0.04000	1/27/17	19360
	0.43500	-0.02750	2/24/17	19360
	-0.33250	0.05000	3/29/17	19360
	-0.01500	0.04000	4/26/17	19360
	-0.07750	0.04000	5/29/17	19360
	0.02000	0.03250	6/28/17	19360
	-0.06750	0.03500	7/27/17	19360
	-0.27500	0.04000	8/29/17	19360

	-0.17750	0.04000	9/27/17	19360
	0.06500	0.05750	10/27/17	19360
	0.70000	-0.01750	11/28/17	19360
	3.23750	0.03750	12/27/17	19360
	3.24500	0.04250	1/29/18	19360
	0.51500	-0.02500	2/26/18	19360

TRADE DATE	HUB	PRODUCT	STRIP	CONTRACT	SETTLEMENT PRICE
10/4/16	NNG-Ventura	NG Firm Ph	Nov-16	XTH	2.95900
10/4/16	NNG-Ventura	NG Firm Ph	Dec-16	XTH	3.32550
10/4/16	NNG-Ventura	NG Firm Ph	Jan-17	XTH	3.72700
10/4/16	NNG-Ventura	NG Firm Ph	Feb-17	XTH	3.74150
10/4/16	NNG-Ventura	NG Firm Ph	Mar-17	XTH	3.34100
10/4/16	NNG-Ventura	NG Firm Ph	Apr-17	XTH	3.01300
10/4/16	NNG-Ventura	NG Firm Ph	May-17	XTH	2.83000
10/4/16	NNG-Ventura	NG Firm Ph	Jun-17	XTH	2.82800
10/4/16	NNG-Ventura	NG Firm Ph	Jul-17	XTH	2.84400
10/4/16	NNG-Ventura	NG Firm Ph	Aug-17	XTH	2.84050
10/4/16	NNG-Ventura	NG Firm Ph	Sep-17	XTH	2.84100
10/4/16	NNG-Ventura	NG Firm Ph	Oct-17	XTH	2.89650

11/01/2017	$ 3.37	2017	14%	2016	$ 3.14
12/01/2017	$ 3.79	2018	9%	2017	$ 3.17
01/01/2018	$ 4.07	2019	9%	2018	$ 3.47
02/01/2018	$ 4.09	2020	9%	2019	$ 3.79
03/01/2018	$ 3.65	2021	5%	2020	$ 4.13
04/01/2018	$ 3.29	2022	4%	2021	$ 4.34
05/01/2018	$ 3.09	2023	6%	2022	$ 4.49
06/01/2018	$ 3.09	2024	5%	2023	$ 4.77
07/01/2018	$ 3.11	2025	5%	2024	$ 4.99
08/01/2018	$ 3.10	2026	2%	2025	$ 5.23
09/01/2018	$ 3.11	2027	0%	2026	$ 5.33
10/01/2018	$ 3.17	2028	1%	2027	$ 5.33
11/01/2018	$ 3.69	2029	1%	2028	$ 5.38
12/01/2018	$ 4.14	2030	2%	2029	$ 5.44
01/01/2019	$ 4.45	2031	3%	2030	$ 5.53
02/01/2019	$ 4.47	2032	5%	2031	$ 5.68
03/01/2019	$ 3.99	2033	3%	2032	$ 5.93
04/01/2019	$ 3.60	2034	3%	2033	$ 6.12
05/01/2019	$ 3.38	2035	2%	2034	$ 6.31
06/01/2019	$ 3.38	2036	1%	2035	$ 6.45
		2037	3%	2036	$ 6.51
		2038	3%	2037	$ 6.67
		2039	2%		
		2040	1%		

07/01/2019	$ 3.40
08/01/2019	$ 3.40
09/01/2019	$ 3.40
10/01/2019	$ 3.46
11/01/2019	$ 4.03
12/01/2019	$ 4.53
01/01/2020	$ 4.85
02/01/2020	$ 4.87
03/01/2020	$ 4.35
04/01/2020	$ 3.92
05/01/2020	$ 3.69
06/01/2020	$ 3.68
07/01/2020	$ 3.70
08/01/2020	$ 3.70
09/01/2020	$ 3.70
10/01/2020	$ 3.77
11/01/2020	$ 4.39
12/01/2020	$ 4.94
01/01/2021	$ 5.09
02/01/2021	$ 5.11
03/01/2021	$ 4.57
04/01/2021	$ 4.12
05/01/2021	$ 3.87
06/01/2021	$ 3.87
07/01/2021	$ 3.89
08/01/2021	$ 3.88
09/01/2021	$ 3.88
10/01/2021	$ 3.96
11/01/2021	$ 4.61
12/01/2021	$ 5.18
01/01/2022	$ 5.28
02/01/2022	$ 5.30
03/01/2022	$ 4.73
04/01/2022	$ 4.27
05/01/2022	$ 4.01
06/01/2022	$ 4.00
07/01/2022	$ 4.03
08/01/2022	$ 4.02
09/01/2022	$ 4.02
10/01/2022	$ 4.10

11/01/2022	$ 4.77
12/01/2022	$ 5.37
01/01/2023	$ 5.60
02/01/2023	$ 5.62
03/01/2023	$ 5.02
04/01/2023	$ 4.53
05/01/2023	$ 4.25
06/01/2023	$ 4.25
07/01/2023	$ 4.28
08/01/2023	$ 4.27
09/01/2023	$ 4.27
10/01/2023	$ 4.35
11/01/2023	$ 5.07
12/01/2023	$ 5.70
01/01/2024	$ 5.86
02/01/2024	$ 5.88
03/01/2024	$ 5.25
04/01/2024	$ 4.74
05/01/2024	$ 4.45
06/01/2024	$ 4.45
07/01/2024	$ 4.47
08/01/2024	$ 4.47
09/01/2024	$ 4.47
10/01/2024	$ 4.55
11/01/2024	$ 5.30
12/01/2024	$ 5.96
01/01/2025	$ 6.14
02/01/2025	$ 6.17
03/01/2025	$ 5.51
04/01/2025	$ 4.97
05/01/2025	$ 4.66
06/01/2025	$ 4.66
07/01/2025	$ 4.69
08/01/2025	$ 4.68
09/01/2025	$ 4.68
10/01/2025	$ 4.77
11/01/2025	$ 5.56
12/01/2025	$ 6.25
01/01/2026	$ 6.26
02/01/2026	$ 6.28

03/01/2026	$	5.61
04/01/2026	$	5.06
05/01/2026	$	4.75
06/01/2026	$	4.75
07/01/2026	$	4.78
08/01/2026	$	4.77
09/01/2026	$	4.77
10/01/2026	$	4.86
11/01/2026	$	5.66
12/01/2026	$	6.37
01/01/2027	$	6.26
02/01/2027	$	6.28
03/01/2027	$	5.61
04/01/2027	$	5.06
05/01/2027	$	4.75
06/01/2027	$	4.75
07/01/2027	$	4.78
08/01/2027	$	4.77
09/01/2027	$	4.77
10/01/2027	$	4.86
11/01/2027	$	5.66
12/01/2027	$	6.37
01/01/2028	$	6.33
02/01/2028	$	6.35
03/01/2028	$	5.67
04/01/2028	$	5.11
05/01/2028	$	4.80
06/01/2028	$	4.80
07/01/2028	$	4.83
08/01/2028	$	4.82
09/01/2028	$	4.82
10/01/2028	$	4.92
11/01/2028	$	5.72
12/01/2028	$	6.43
01/01/2029	$	6.39
02/01/2029	$	6.42
03/01/2029	$	5.73
04/01/2029	$	5.17
05/01/2029	$	4.86
06/01/2029	$	4.85

07/01/2029	$ 4.88
08/01/2029	$ 4.87
09/01/2029	$ 4.87
10/01/2029	$ 4.97
11/01/2029	$ 5.79
12/01/2029	$ 6.50
01/01/2030	$ 6.50
02/01/2030	$ 6.53
03/01/2030	$ 5.83
04/01/2030	$ 5.26
05/01/2030	$ 4.94
06/01/2030	$ 4.93
07/01/2030	$ 4.96
08/01/2030	$ 4.96
09/01/2030	$ 4.96
10/01/2030	$ 5.05
11/01/2030	$ 5.88
12/01/2030	$ 6.61
01/01/2031	$ 6.67
02/01/2031	$ 6.70
03/01/2031	$ 5.98
04/01/2031	$ 5.39
05/01/2031	$ 5.07
06/01/2031	$ 5.06
07/01/2031	$ 5.09
08/01/2031	$ 5.08
09/01/2031	$ 5.09
10/01/2031	$ 5.18
11/01/2031	$ 6.04
12/01/2031	$ 6.78
01/01/2032	$ 6.97
02/01/2032	$ 7.00
03/01/2032	$ 6.25
04/01/2032	$ 5.64
05/01/2032	$ 5.29
06/01/2032	$ 5.29
07/01/2032	$ 5.32
08/01/2032	$ 5.31
09/01/2032	$ 5.31
10/01/2032	$ 5.42

11/01/2032	$	6.31
12/01/2032	$	7.09
01/01/2033	$	7.19
02/01/2033	$	7.22
03/01/2033	$	6.45
04/01/2033	$	5.82
05/01/2033	$	5.46
06/01/2033	$	5.46
07/01/2033	$	5.49
08/01/2033	$	5.48
09/01/2033	$	5.48
10/01/2033	$	5.59
11/01/2033	$	6.51
12/01/2033	$	7.32
01/01/2034	$	7.42
02/01/2034	$	7.45
03/01/2034	$	6.65
04/01/2034	$	6.00
05/01/2034	$	5.63
06/01/2034	$	5.63
07/01/2034	$	5.66
08/01/2034	$	5.65
09/01/2034	$	5.66
10/01/2034	$	5.77
11/01/2034	$	6.71
12/01/2034	$	7.55
01/01/2035	$	7.58
02/01/2035	$	7.61
03/01/2035	$	6.80
04/01/2035	$	6.13
05/01/2035	$	5.76
06/01/2035	$	5.75
07/01/2035	$	5.79
08/01/2035	$	5.78
09/01/2035	$	5.78
10/01/2035	$	5.89
11/01/2035	$	6.86
12/01/2035	$	7.71
01/01/2036	$	7.64
02/01/2036	$	7.67

03/01/2036	$	6.85
04/01/2036	$	6.18
05/01/2036	$	5.80
06/01/2036	$	5.80
07/01/2036	$	5.83
08/01/2036	$	5.83
09/01/2036	$	5.83
10/01/2036	$	5.94
11/01/2036	$	6.92
12/01/2036	$	7.77
01/01/2037	$	7.84
02/01/2037	$	7.87
03/01/2037	$	7.03
04/01/2037	$	6.34
05/01/2037	$	5.95
06/01/2037	$	5.95
07/01/2037	$	5.98
08/01/2037	$	5.98
09/01/2037	$	5.98
10/01/2037	$	6.09
11/01/2037	$	7.10
12/01/2037	$	7.97
01/01/2038	$	8.05
02/01/2038	$	8.08
03/01/2038	$	7.22
04/01/2038	$	6.51
05/01/2038	$	6.11
06/01/2038	$	6.11
07/01/2038	$	6.14
08/01/2038	$	6.13
09/01/2038	$	6.14
10/01/2038	$	6.26
11/01/2038	$	7.28
12/01/2038	$	8.19
01/01/2039	$	8.23
02/01/2039	$	8.27
03/01/2039	$	7.38
04/01/2039	$	6.66
05/01/2039	$	6.25
06/01/2039	$	6.25

07/01/2039	$	6.28
08/01/2039	$	6.27
09/01/2039	$	6.28
10/01/2039	$	6.40
11/01/2039	$	7.45
12/01/2039	$	8.37
01/01/2040	$	8.30
02/01/2040	$	8.34
03/01/2040	$	7.44
04/01/2040	$	6.71
05/01/2040	$	6.30
06/01/2040	$	6.30
07/01/2040	$	6.34
08/01/2040	$	6.33
09/01/2040	$	6.33
10/01/2040	$	6.45
11/01/2040	$	7.51
12/01/2040	$	8.44

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl - SD_IRP_MainPortfolio With County Wind
Date Intervals	Annual
Stats	MEAN
Peak Period Label	ATC

Value	Column Labels			
Row Labels	2017-01	2018-01	2019-01	2020-01
Fixed Cost				
FIXEDCOST - Fixed Cost	68752482	70127531.68	71530059.5	72960182
NETREVENUE - Net Revenue $	-68752482	-70127531.68	-71530059.5	-72960182
NETREVENUEUNHEDGED - Net Revenue without hedges	-68752482	-70127531.68	-71530059.5	-72960182
NWECOSTS - NWE Costs	68752482	70127531.68	71530059.5	72960182
NWECOSTSMPS - NWE Costs w/ MPS	68752482	70127531.68	71530059.5	72960182
TOTALCOSTOFSUPPLY - Total Cost of Supply	68752482	70127531.68	71530059.5	72960182
Forward Curve				
N/A				
Aberdeen				
MARKETPRICE - Market Price $/Unit	23.25616	22.674885	24.759974	26.986984
Basis\CO2 SD Triangular				
MARKETPRICE - Market Price $/Unit	0	0	0	0
Beethoven				
MARKETPRICE - Market Price $/Unit	23.12616	22.544885	24.633912	26.86511
Big Stone				
MARKETPRICE - Market Price $/Unit	23.22616	22.644885	24.730883	26.958859
Coyote				
MARKETPRICE - Market Price $/Unit	22.47616	21.894885	24.003603	26.255742
Huron				
MARKETPRICE - Market Price $/Unit	22.76616	22.184885	24.284818	26.527614
Load				
MARKETPRICE - Market Price $/Unit	23.20616	22.624885	24.711489	26.940109
Neal				
MARKETPRICE - Market Price $/Unit	23.24616	22.664885	24.750277	26.977609
Oil2 - SD				

MARKETPRICE - Market Price $/Unit	17.96963	18.329023	18.695603	19.069515
PRB - SD 8400				
MARKETPRICE - Market Price $/Unit	0.89	0.969999	0.99	1.009999
SPP - IND HUB				
MARKETPRICE - Market Price $/Unit	22.93616	22.354885	24.449668	26.686987
VENTURA - AECO				
MARKETPRICE - Market Price $/Unit	3.116646	3.463424	3.787315	4.128224
N/A - Total				
MARKETPRICE - Market Price $/Unit	17.18463	16.862627	18.316462	19.867229
Forward Curve - Total				
Forward Curve - Total - Total				
MARKETPRICE - Market Price $/Unit	17.18463	16.862627	18.316462	19.867229
Generation Asset				
Aberdeen				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	0.13894	0.27788	0.97258	1.80622
CAPACITYFACTOR - Net Generation Capacity Factor	0.000004	0.000046	0.000879	0.00086
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.000004	0.000044	0.000858	0.000833
COSTTOSERVELOAD - Cost to Serve Load			454.957729	1460.728098
COSTTOSERVELOADPMW - Cost to Serve Load PMW			1.990761	5.62656
EXPORTGENERATION - Export generation	0.8	8.8	169.2	164.8
FO - Forced Outage Rate	0.030028	0.029917	0.030028	0.029823
FUELCONSUMED - Fuel Consumed	11.1152	122.2672	2350.8648	2289.7312
FUELCOST - Fuel Cost	199.736	2241.038331	43950.8363	43664.06488
FUELCOSTPMMBTU - Cost, $/mmBtu	0.190632	0.388888	1.388338	2.629902
FUELDELIVERYCOST - Fuel Delivery Cost	12.15558	136.376834	2674.813969	2657.233057
GENCAPACITY - Net Thermal Generation Capacity MWh	191187	191211.525	191187	191751.525
GENCAPACITYMW - Net Thermal Generation Capacity	21.825	21.827799	21.825	21.829636
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	197100	197100	197100	197640
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5	22.5	22.5
GENERATION - Thermal Generation MWh	0.8	8.8	169.2	164.8
GENERATIONCOSTPMW - Generation Cost	2.760676	5.517764	30.94254	48.482144
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	2.760676	5.517764	19.72044	37.104063
GENERATIONCOSTS - Thermal Generation Costs	220.8541	2403.186166	46923.66207	46680.83114
GENERATIONGROSSREVENUE - Gross Generation Revenue	238.4192	2844.368225	83828.26756	64026.07187

GENERATIONNETREVENUE - Net Revenue Generation	17.56512	441.182058	36904.60549	17345.24073
GROSSREVENUE - Gross Revenue, $	238.4192	2844.368225	83828.26756	64026.07187
HOURSRUN - Runtime Hours	0.04	6.53	46.73	64.57
MARKETGENERATIONCOST - Market Sales Generation Costs	220.8541	2403.186166	46468.70434	45220.10304
MARKETSALES - Spot Sales $	238.4192	2844.368225	82773.26181	61946.30909
MARKETSALESMW - Spot Sales	0.2	0.4	1.392048	2.550985
MARKETSALESMWH - Spot Sales MWh	0.8	8.8	167.555328	159.653613
MCP - MCP			277.635779	283.331204
MCPMINSPOTPRICE - MCP min spot price			8.329073	16.999872
NETPOS - Net Position (MWh)	0.8	8.8	169.2	164.8
NETPOSMW - Net position per MW	0.000091	0.001004	0.019315	0.018761
NETREVENUE - Net Revenue $	17.56512	441.182058	36904.60549	17345.24073
NETREVENUEUNHEDGED - Net Revenue without hedges	17.56512	441.182058	36904.60549	17345.24073
NLGENERATION - Native Load Generation MWh			1.644671	5.146386
NLGENERATIONCOST - Native Load Generation Costs			454.957729	1460.728098
NonZeroMCPHour - Market sales hours greater than colstrip price	0.01	0.15	1.36	2.08
NWECOSTS - NWE Costs	-17.56512	-441.182058	-36904.60549	-17345.24073
NWECOSTSMPS - NWE Costs w/ MPS	-255.9844	-3285.550284	-119677.8673	-79291.54982
OTHERMCPHOUR - Other MCP Hours			0.01	0.04
PORTFOLIOLOADNATIVE - Portfolio Load	8.3343	104.0159	1856.4577	1960.6644
STARTS - Number Starts	0.01	0.02	0.14	0.21
STARTUPCOST - StartupCost	8.1465	16.619	118.6598	181.5492
TOTALCOSTOFSUPPLY - Total Cost of Supply	220.8541	2403.186166	46923.66207	46680.83114
TOTALCOSTS - Total Cost	220.8541	2403.186166	46923.66207	46680.83114
TOTALFUELCOST - Total Fuel Cost	211.8916	2377.415166	46625.65027	46321.29794
TOTALGEN - All Generation	0.8	8.8	169.2	164.8
TOTALSTARTUPCOST - TotalStartupCost	8.1465	16.619	118.6598	181.5492
TOTALVARIABLECOST - Variable Costs $	220.8541	2403.186166	46923.66207	46680.83114
VOMCOSTS - VOM Costs	0.816	9.151999	179.352	177.984
Aberdeen GS2				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	9.418999	9.324809	9.418999	9.230619
CAPACITYFACTOR - Net Generation Capacity Factor	0.108864	0.092515	0.096915	0.101571
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.105603	0.089823	0.094	0.09858
COSTTOSERVELOAD - Cost to Serve Load	299381.1	316733.5543	411712.97	437699.9997

COSTTOSERVELOADPMW - Cost to Serve Load PMW	1189.365	1278.471574	1626.480111	1623.560934
EXPORTGENERATION - Export generation	53655.22	45637.3	47759.52	50223.94
FO - Forced Outage Rate	0.030047	0.030041	0.030028	0.030049
FUELCONSUMED - Fuel Consumed	505378.5	429857.7287	449846.9189	473059.2909
FUELCOST - Fuel Cost	1497225	1426887.297	1674007.984	1927467.7
FUELCOSTPMMBTU - Cost, $/mmBtu	2.957569	3.274132	3.603497	3.883042
GASNLFUELCONSUMED - Native Load Gas Used	82141.09	78938.55902	93025.54227	90611.88303
GENCAPACITY - Net Thermal Generation Capacity MWh	492837.6	492837.6	492837.6	494188.42
GENCAPACITYMW - Net Thermal Generation Capacity	56.26	56.26	56.26	56.260066
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	508080	508080	508080	509472
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58	58	58
GENERATION - Thermal Generation MWh	53655.22	45637.3	47759.52	50223.94
GENERATIONCOSTPMW - Generation Cost	312.0733	297.455246	312.360847	320.116538
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	35.09703	38.164399	41.53114	44.195606
GENERATIONCOSTS - Thermal Generation Costs	1884711	1762987.547	2032682.31	2311907.731
GENERATIONGROSSREVENUE - Gross Generation Revenue	2701666	2609756.002	3398029.794	3857335.123
GENERATIONNETREVENUE - Net Revenue Generation	816956	846768.455	1365347.484	1545427.392
GROSSREVENUE - Gross Revenue, $	2701666	2609756.002	3398029.794	3857335.123
HOURSRUN - Runtime Hours	5023.49	4431.13	4073.84	4013.48
MARKETGENERATIONCOST - Market Sales Generation Costs	1585329	1446250.174	1620969.34	1874207.731
MARKETSALES - Spot Sales $	2246014	2110701.036	2691784.503	3100820.517
MARKETSALESMW - Spot Sales	52.16441	51.268291	51.132897	50.770317
MARKETSALESMWH - Spot Sales MWh	44934.43	37256.52083	37883.14859	40603.82289
MCP - MCP	34.80863	38.957351	42.065372	46.136264
MCPMINSPOTPRICE - MCP min spot price	34.76799	38.528996	41.5923	44.701053
NETPOS - Net Position (MWh)	53655.22	45637.3	47759.52	50223.94
NETPOSMW - Net position per MW	6.125025	5.209737	5.452	5.717661
NETREVENUE - Net Revenue $	816956	846768.455	1365347.484	1545427.392
NETREVENUEUNHEDGED - Net Revenue without hedges	816956	846768.455	1365347.484	1545427.392
NLGENERATION - Native Load Generation MWh	8720.786	8380.779171	9876.371405	9620.117106
NLGENERATIONCOST - Native Load Generation Costs	299381.1	316733.5543	411712.97	437699.9997
NonZeroMCPHour - Market sales hours greater than colstrip price	355.24	313.29	315.75	335.13
NWECOSTS - NWE Costs	-816956	-846768.455	-1365347.484	-1545427.392
NWECOSTSMPS - NWE Costs w/ MPS	-3062970	-2957469.491	-4057131.987	-4646247.909

OTHERMCPHOUR - Other MCP Hours	20.9	24.65	30.51	28.12
PORTFOLIOLOADNATIVE - Portfolio Load	212816.5	186290.8155	197579.6106	212018.0305
STARTS - Number Starts	11.72	10.11	9.81	9.42
STARTUPCOST - StartupCost	4387.734	3860.7057	3821.0931	3742.566
TOTALCOSTOFSUPPLY - Total Cost of Supply	1884711	1762987.547	2032682.31	2311907.731
TOTALCOSTS - Total Cost	1884711	1762987.547	2032682.31	2311907.731
TOTALFUELCOST - Total Fuel Cost	1497225	1426887.297	1674007.984	1927467.7
TOTALGEN - All Generation	53655.22	45637.3	47759.52	50223.94
TOTALSTARTUPCOST - TotalStartupCost	4387.734	3860.7057	3821.0931	3742.566
TOTALVARIABLECOST - Variable Costs $	1884711	1762987.547	2032682.31	2311907.731
VOMCOSTS - VOM Costs	383098.3	332239.544	354853.2336	380697.4652
zeroMCPHour - Market sales hours less than colstrip price				
Big Stone				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.00085	11.05619	11.041103	11.016156
CAPACITYFACTOR - Net Generation Capacity Factor	0.593537	0.567912	0.580895	0.593759
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.572269	0.52492	0.505154	0.572387
COSTTOSERVELOAD - Cost to Serve Load	9610555	9546473.215	9984491.948	11253844.81
COSTTOSERVELOADPMW - Cost to Serve Load PMW	45308.44	43798.15416	44734.624	49849.14121
EXPORTGENERATION - Export generation	556451.5	510411.602	491192.118	558091.374
FO - Forced Outage Rate	0.035916	0.035941	0.035939	0.036015
FUELCONSUMED - Fuel Consumed	6117443	5636362.209	5410974.229	6135333.299
FUELCOST - Fuel Cost	5451572	5463490.271	5356965.022	6205798.172
FUELCOSTPMMBTU - Cost, $/mmBtu	2.326788	2.400557	2.475777	2.547015
FUELDELIVERYCOST - Fuel Delivery Cost	8788930	8058307.05	8040707.705	9428166.681
GENCAPACITY - Net Thermal Generation Capacity MWh	937452.7	898873.56	845291.64	939930.24
GENCAPACITYMW - Net Thermal Generation Capacity	107.0152	102.611136	96.494479	107.004808
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	972360	972360	972360	975024
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111	111	111
GENERATION - Thermal Generation MWh	556451.5	510411.602	491192.118	558091.374
GENERATIONCOSTPMW - Generation Cost	328.0636	340.786409	321.487366	359.597531
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	26.96533	27.942845	28.764521	29.517288
GENERATIONCOSTS - Thermal Generation Costs	15150521	14387662.66	14245526.79	16605481.4
GENERATIONGROSSREVENUE - Gross Generation Revenue	15658626	14265620.92	15601964.68	18962988.35
GENERATIONNETREVENUE - Net Revenue Generation	508105.3	-122041.746	1356437.892	2357506.948

GROSSREVENUE - Gross Revenue, $	15658626	14265620.92	15601964.68	18962988.35
HOURSRUN - Runtime Hours	8445.52	8097.78	7615.2	8467.84
MARKETGENERATIONCOST - Market Sales Generation Costs	5392286	4689900.349	4115585.507	5194933.447
MARKETSALES - Spot Sales $	6508849	5801139.537	5724786.41	7329860.301
MARKETSALESMW - Spot Sales	49.83902	49.963784	50.294784	50.888253
MARKETSALESMWH - Spot Sales MWh	203820.8	172439.6686	147343.1639	180408.4975
MCP - MCP	20.9152	20.35709	20.228799	21.620614
MCPMINSPOTPRICE - MCP min spot price	18.8522	18.454435	18.8001	20.035146
NETPOS - Net Position (MWh)	556451.5	510411.602	491192.118	558091.374
NETPOSMW - Net position per MW	63.52186	58.266164	56.072159	63.534992
NETREVENUE - Net Revenue $	-2689482	-3068168.272	-1471878.337	-849431.7678
NETREVENUEUNHEDGED - Net Revenue without hedges	-2689482	-3068168.272	-1471878.337	-849431.7678
NLGENERATION - Native Load Generation MWh	352630.7	337971.9334	343848.9541	377682.8765
NLGENERATIONCOST - Native Load Generation Costs	9610555	9546473.215	9984491.948	11253844.81
NonZeroMCPHour - Market sales hours greater than colstrip price	2945.44	2464.74	2036.01	2575.57
NWECOSTS - NWE Costs	-508105.3	122041.746	-1356437.892	-2357506.948
NWECOSTSMPS - NWE Costs w/ MPS	-7016954	-5679097.791	-7081224.303	-9687367.249
OTHERMCPHOUR - Other MCP Hours	3935.62	4311.3	4340.69	4546.26
PO - Planned Outage Rate		0.040326	0.097225	
PORTFOLIOLOADNATIVE - Portfolio Load	1710521	1683948.28	1628363.61	1821218.194
STARTS - Number Starts	20.46	20.55	19.37	20.46
STARTUPCOST - StartupCost	147680.3	151289.1	145449.33	156703.14
TOTALCOSTOFSUPPLY - Total Cost of Supply	18348108	17333789.19	17073843.02	19812420.11
TOTALCOSTS - Total Cost	18348108	17333789.19	17073843.02	19812420.11
TOTALFUELCOST - Total Fuel Cost	14240502	13521797.32	13397672.73	15633964.85
TOTALGEN - All Generation	556451.5	510411.602	491192.118	558091.374
TOTALSTARTUPCOST - TotalStartupCost	147680.3	151289.1	145449.33	156703.14
TOTALVARIABLECOST - Variable Costs $	18348108	17333789.19	17073843.02	19812420.11
VOMCOSTS - VOM Costs	762338.5	714576.2428	702404.7287	814813.406
zeroMCPHour - Market sales hours less than colstrip price	445.04	369.86	281.29	282.16
Clark				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	0.15	0.3	1.05	1.95
CAPACITYFACTOR - Net Generation Capacity Factor	0.000003	0.000035	0.000853	0.000761
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.000003	0.000034	0.000819	0.000743

COSTTOSERVELOAD - Cost to Serve Load			27.760152	137.315088
COSTTOSERVELOADPMW - Cost to Serve Load PMW			0.126523	0.52738
EXPORTGENERATION - Export generation	0.09	0.9	21.54	19.59
FO - Forced Outage Rate	0.029979	0.030005	0.030043	0.02998
FUELCONSUMED - Fuel Consumed	1.35	13.5	323.1	293.85
FUELCOST - Fuel Cost	24.259	247.441811	6040.549507	5603.577164
FUELCOSTPMMBTU - Cost, $/mmBtu	0.190632	0.388888	1.388338	2.629902
FUELDELIVERYCOST - Fuel Delivery Cost	1.47636	15.0579	367.623179	341.012925
GENCAPACITY - Net Thermal Generation Capacity MWh	25491.6	25491.6	25491.6	25561.44
GENCAPACITYMW - Net Thermal Generation Capacity	2.91	2.91	2.91	2.91
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	26280	26280	26280	26352
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3
GENERATION - Thermal Generation MWh	0.09	0.9	21.54	19.59
GENERATIONCOSTPMW - Generation Cost	2.859484	5.833326	32.725115	54.621042
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	2.859484	5.833326	20.825073	39.44853
GENERATIONCOSTS - Thermal Generation Costs	25.73536	262.499711	6408.172687	5944.590089
GENERATIONGROSSREVENUE - Gross Generation Revenue	27.41759	314.747916	11459.04501	8243.710999
GENERATIONNETREVENUE - Net Revenue Generation	1.682233	52.248204	5050.872322	2299.120909
GROSSREVENUE - Gross Revenue, $	27.41759	314.747916	11459.04501	8243.710999
HOURSRUN - Runtime Hours	0.03	0.3	7.18	6.53
MARKETGENERATIONCOST - Market Sales Generation Costs	25.73536	262.499711	6380.412534	5807.275001
MARKETSALES - Spot Sales $	27.41759	314.747916	11364.32308	8037.310054
MARKETSALESMW - Spot Sales	0.03	0.06	0.209991	0.389986
MARKETSALESMWH - Spot Sales MWh	0.09	0.9	21.446688	19.137487
MCP - MCP			297.501053	303.450234
MCPMINSPOTPRICE - MCP min spot price			2.97501	3.034502
NETPOS - Net Position (MWh)	0.09	0.9	21.54	19.59
NETPOSMW - Net position per MW	0.00001	0.000102	0.002458	0.00223
NETREVENUE - Net Revenue $	1.682233	52.248204	5050.872322	2299.120909
NETREVENUEUNHEDGED - Net Revenue without hedges	1.682233	52.248204	5050.872322	2299.120909
NLGENERATION - Native Load Generation MWh			0.093311	0.452512
NLGENERATIONCOST - Native Load Generation Costs			27.760152	137.315088
NonZeroMCPHour - Market sales hours greater than colstrip price				
NWECOSTS - NWE Costs	-1.682233	-52.248204	-5050.872322	-2299.120909

NWECOSTSMPS - NWE Costs w/ MPS	-29.09983	-366.99612	-16415.1954	-10336.43096
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load	6.2474	72.379	1579.2381	1539.1572
STARTS - Number Starts	0.01	0.1	1.07	1.31
TOTALCOSTOFSUPPLY - Total Cost of Supply	25.73536	262.499711	6408.172687	5944.590089
TOTALCOSTS - Total Cost	25.73536	262.499711	6408.172687	5944.590089
TOTALFUELCOST - Total Fuel Cost	25.73536	262.499711	6408.172687	5944.590089
TOTALGEN - All Generation	0.09	0.9	21.54	19.59
TOTALVARIABLECOST - Variable Costs $	25.73536	262.499711	6408.172687	5944.590089
Coyote				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.50885	11.523641	11.637614	11.465338
CAPACITYFACTOR - Net Generation Capacity Factor	0.671503	0.668783	0.635614	0.699121
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.606904	0.604313	0.516696	0.63183
COSTTOSERVELOAD - Cost to Serve Load	4727932	4883994.526	4613835.274	5323828.046
COSTTOSERVELOADPMW - Cost to Serve Load PMW	22344.19	22888.00922	20713.47852	24144.33635
EXPORTGENERATION - Export generation	228608.6	227632.7	194629.34	238649.92
FO - Forced Outage Rate	0.046625	0.04665	0.04664	0.04664
FUELCONSUMED - Fuel Consumed	2629447	2619569.677	2256117.857	2729893.559
FUELCOST - Fuel Cost	2343191	2539855.542	2234589.808	2760030.942
FUELCOSTPMMBTU - Cost, $/mmBtu	1.868538	1.800056	2.101498	1.878966
FUELDELIVERYCOST - Fuel Delivery Cost	2572651	2172409.133	2507674.998	2371458.535
GENCAPACITY - Net Thermal Generation Capacity MWh	340413.8	340327.37	306161.29	341351.2
GENCAPACITYMW - Net Thermal Generation Capacity	38.86002	38.850156	34.949918	38.860564
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	376680	376680	376680	377712
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43	43	43
GENERATION - Thermal Generation MWh	228608.6	227632.7	194629.34	238649.92
GENERATIONCOSTPMW - Generation Cost	275.8929	267.816604	287.616965	278.246007
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	22.39284	21.655114	25.385149	22.492033
GENERATIONCOSTS - Thermal Generation Costs	5222548	5025375.172	5020100.016	5467922.151
GENERATIONGROSSREVENUE - Gross Generation Revenue	6110956	6015751.976	5897564.953	7565374.24
GENERATIONNETREVENUE - Net Revenue Generation	888408	990376.8043	877464.9367	2097452.089
GROSSREVENUE - Gross Revenue, $	6110956	6015751.976	5897564.953	7565374.24
HOURSRUN - Runtime Hours	7915.53	7913.62	7119.59	7937.33
MARKETGENERATIONCOST - Market Sales Generation Costs	391371.3	35415.90645	309434.8183	34378.85511

MARKETSALES - Spot Sales $	479992.3	33994.00646	396723.3884	38221.94578
MARKETSALESMW - Spot Sales	19.44815	11.333024	20.242991	12.210866
MARKETSALESMWH - Spot Sales MWh	17864.82	1637.992586	12672.07013	1549.278925
MCP - MCP	21.06956	17.829439	20.347382	21.973309
MCPMINSPOTPRICE - MCP min spot price	19.6806	16.341728	19.780331	19.952775
NETPOS - Net Position (MWh)	228608.6	227632.7	194629.34	238649.92
NETPOSMW - Net position per MW	26.09688	25.985468	22.217961	27.168706
NETREVENUE - Net Revenue $	-486003.8	-378872.2658	-301807.867	670536.7258
NETREVENUEUNHEDGED - Net Revenue without hedges	-486003.8	-378872.2658	-301807.867	670536.7258
NLGENERATION - Native Load Generation MWh	210743.8	225994.7074	181957.2699	237100.6411
NLGENERATIONCOST - Native Load Generation Costs	4727932	4883994.526	4613835.274	5323828.046
NonZeroMCPHour - Market sales hours greater than colstrip price	46.87	7.54	123.97	1.54
NWECOSTS - NWE Costs	-888408	-990376.8043	-877464.9367	-2097452.089
NWECOSTSMPS - NWE Costs w/ MPS	-1368400	-1024370.811	-1274188.325	-2135674.035
OTHERMCPHOUR - Other MCP Hours	364.5	255.48	932.12	65.66
PO - Planned Outage Rate	0.051437	0.051433	0.146863	0.051437
PORTFOLIOLOADNATIVE - Portfolio Load	1587512	1620700.305	1511235.124	1688501.32
STARTS - Number Starts	28.92	29.1	26.07	28.96
STARTUPCOST - StartupCost	103244.4	105964.74	96829.92396	109715.2496
TOTALCOSTOFSUPPLY - Total Cost of Supply	6596959	6394624.242	6199372.82	6894837.514
TOTALCOSTS - Total Cost	6596959	6394624.242	6199372.82	6894837.514
TOTALFUELCOST - Total Fuel Cost	4915842	4712264.675	4742264.806	5131489.477
TOTALGEN - All Generation	228608.6	227632.7	194629.34	238649.92
TOTALSTARTUPCOST - TotalStartupCost	103244.4	105964.74	96829.92396	109715.2496
TOTALVARIABLECOST - Variable Costs $	6596959	6394624.242	6199372.82	6894837.514
VOMCOSTS - VOM Costs	203461.7	207145.757	181005.2862	226717.424
zeroMCPHour - Market sales hours less than colstrip price	6.92	2.33	10.59	0.12
Faulkton				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	0.15	0.3	1.05	1.95
CAPACITYFACTOR - Net Generation Capacity Factor	0.000003	0.000043	0.00085	0.000753
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.000003	0.000042	0.000833	0.000733
COSTTOSERVELOAD - Cost to Serve Load			26.775094	135.732646
COSTTOSERVELOADPMW - Cost to Serve Load PMW			0.121975	0.521412
EXPORTGENERATION - Export generation	0.09	1.11	21.9	19.32

FO - Forced Outage Rate	0.030038	0.030061	0.030019	0.030029
FUELCONSUMED - Fuel Consumed	1.35	16.65	328.5	289.8
FUELCOST - Fuel Cost	24.259	305.178234	6141.505766	5526.345626
FUELCOSTPMMBTU - Cost, $/mmBtu	0.190632	0.388888	1.388338	2.629902
FUELDELIVERYCOST - Fuel Delivery Cost	1.47636	18.57141	373.767299	336.3129
GENCAPACITY - Net Thermal Generation Capacity MWh	25491.6	25491.6	25491.6	25561.44
GENCAPACITYMW - Net Thermal Generation Capacity	2.91	2.91	2.91	2.91
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	26280	26280	26280	26352
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3
GENERATION - Thermal Generation MWh	0.09	1.11	21.9	19.32
GENERATIONCOSTPMW - Generation Cost	2.859484	5.833326	32.725115	54.621042
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	2.859484	5.833326	20.825073	39.44853
GENERATIONCOSTS - Thermal Generation Costs	25.73536	323.749644	6515.273066	5862.658526
GENERATIONGROSSREVENUE - Gross Generation Revenue	27.41759	387.611822	11591.99678	8148.778867
GENERATIONNETREVENUE - Net Revenue Generation	1.682233	63.862177	5076.723715	2286.12034
GROSSREVENUE - Gross Revenue, $	27.41759	387.611822	11591.99678	8148.778867
HOURSRUN - Runtime Hours	0.03	0.37	7.3	6.44
MARKETGENERATIONCOST - Market Sales Generation Costs	25.73536	323.749644	6488.497971	5726.92588
MARKETSALES - Spot Sales $	27.41759	387.611822	11499.92119	7944.14737
MARKETSALESMW - Spot Sales	0.03	0.06	0.21	0.38545
MARKETSALESMWH - Spot Sales MWh	0.09	1.11	21.81	18.872702
MCP - MCP				303.450234
MCPMINSPOTPRICE - MCP min spot price				3.034502
NETPOS - Net Position (MWh)	0.09	1.11	21.9	19.32
NETPOSMW - Net position per MW	0.00001	0.000126	0.0025	0.002199
NETREVENUE - Net Revenue $	1.682233	63.862177	5076.723715	2286.12034
NETREVENUEUNHEDGED - Net Revenue without hedges	1.682233	63.862177	5076.723715	2286.12034
NLGENERATION - Native Load Generation MWh			0.09	0.447297
NLGENERATIONCOST - Native Load Generation Costs			26.775094	135.732646
NonZeroMCPHour - Market sales hours greater than colstrip price	0.03		0.08	
NWECOSTS - NWE Costs	-1.682233	-63.862177	-5076.723715	-2286.12034
NWECOSTSMPS - NWE Costs w/ MPS	-29.09983	-451.474	-16576.6449	-10230.26771
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load	6.2474	90.7434	1606.3526	1512.039

STARTS - Number Starts	0.01	0.12	1.09	1.27
TOTALCOSTOFSUPPLY - Total Cost of Supply	25.73536	323.749644	6515.273066	5862.658526
TOTALCOSTS - Total Cost	25.73536	323.749644	6515.273066	5862.658526
TOTALFUELCOST - Total Fuel Cost	25.73536	323.749644	6515.273066	5862.658526
TOTALGEN - All Generation	0.09	1.11	21.9	19.32
TOTALVARIABLECOST - Variable Costs $	25.73536	323.749644	6515.273066	5862.658526
Huron				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	14.26381	13.96177	13.969156	13.41021
CAPACITYFACTOR - Net Generation Capacity Factor	0.058448	0.048212	0.052028	0.054001
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.056707	0.04671	0.050461	0.052339
COSTTOSERVELOAD - Cost to Serve Load	56429.52	63833.41054	73171.70717	87505.93511
COSTTOSERVELOADPMW - Cost to Serve Load PMW	218.179	259.124814	276.142407	312.915892
EXPORTGENERATION - Export generation	24837.8	20459.1	22102	22987.7
FO - Forced Outage Rate	0.030007	0.030007	0.030002	0.030001
FUELCONSUMED - Fuel Consumed	355768.6	293583.9	317759.6	330589.3
FUELCOST - Fuel Cost	1027615	952167.4488	1159779.92	1329325.549
FUELCOSTPMMBTU - Cost, $/mmBtu	2.875567	3.118858	3.431172	3.602799
GASNLFUELCONSUMED - Native Load Gas Used	19972.29	19951.41857	20334.53758	22166.71794
GENCAPACITY - Net Thermal Generation Capacity MWh	424860	424860	424860	426028.8
GENCAPACITYMW - Net Thermal Generation Capacity	48.5	48.5	48.5	48.500546
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	438000	438000	438000	439200
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50	50	50
GENERATION - Thermal Generation MWh	24837.8	20459.1	22102	22987.7
GENERATIONCOSTPMW - Generation Cost	454.3922	405.078322	436.894783	485.44646
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	41.27454	44.768888	49.263491	51.778429
GENERATIONCOSTS - Thermal Generation Costs	1033231	957188.9028	1165313.983	1335286.526
GENERATIONGROSSREVENUE - Gross Generation Revenue	1458765	1405356.131	1997116.445	2222846.44
GENERATIONNETREVENUE - Net Revenue Generation	425533.9	448167.2284	831802.462	887559.914
GROSSREVENUE - Gross Revenue, $	1458765	1405356.131	1997116.445	2222846.44
HOURSRUN - Runtime Hours	6393.84	5169.41	4786.89	4863.48
MARKETGENERATIONCOST - Market Sales Generation Costs	976801.8	893355.4923	1092142.275	1247780.59
MARKETSALES - Spot Sales $	1376571	1306316.313	1870379.4	2076566.063
MARKETSALESMW - Spot Sales	24.19594	22.859182	22.701591	22.050985
MARKETSALESMWH - Spot Sales MWh	23424.78	19047.48777	20665.5602	21422.15781

MCP - MCP	46.53715	53.124803	60.331749	62.976963
MCPMINSPOTPRICE - MCP min spot price	44.89919	49.236435	51.845711	55.938332
NETPOS - Net Position (MWh)	24837.8	20459.1	22102	22987.7
NETPOSMW - Net position per MW	2.835365	2.335513	2.523059	2.616996
NETREVENUE - Net Revenue $	425533.9	448167.2284	831802.462	887559.914
NETREVENUEUNHEDGED - Net Revenue without hedges	425533.9	448167.2284	831802.462	887559.914
NLGENERATION - Native Load Generation MWh	1413.019	1411.612229	1436.439804	1565.542185
NLGENERATIONCOST - Native Load Generation Costs	56429.52	63833.41054	73171.70717	87505.93511
NonZeroMCPHour - Market sales hours greater than colstrip price	372.23	317.62	345.71	356.91
NWECOSTS - NWE Costs	-425533.9	-448167.2284	-831802.462	-887559.914
NWECOSTSMPS - NWE Costs w/ MPS	-1802105	-1754483.542	-2702181.862	-2964125.977
OTHERMCPHOUR - Other MCP Hours	8.57	8.51	9.4	9.82
PORTFOLIOLOADNATIVE - Portfolio Load	192674.7	164633.8266	184544.9147	196382.9417
STARTS - Number Starts	5.26	4.64	4.61	4.75
STARTUPCOST - StartupCost	2883.334	2540.534	2590.231	2806.837
TOTALCOSTOFSUPPLY - Total Cost of Supply	1033231	957188.9028	1165313.983	1335286.526
TOTALCOSTS - Total Cost	1033231	957188.9028	1165313.983	1335286.526
TOTALFUELCOST - Total Fuel Cost	1027615	952167.4488	1159779.92	1329325.549
TOTALGEN - All Generation	24837.8	20459.1	22102	22987.7
TOTALSTARTUPCOST - TotalStartupCost	2883.334	2540.534	2590.231	2806.837
TOTALVARIABLECOST - Variable Costs $	1033231	957188.9028	1165313.983	1335286.526
VOMCOSTS - VOM Costs	2733.396	2480.92	2943.831999	3154.14
zeroMCPHour - Market sales hours less than colstrip price				
Mobile Unit				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		0.3	1.05	1.95
CAPACITYFACTOR - Net Generation Capacity Factor		0.000043	0.00085	0.000774
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.000042	0.000824	0.000757
COSTTOSERVELOAD - Cost to Serve Load			35.700126	169.932131
COSTTOSERVELOADPMW - Cost to Serve Load PMW			0.162634	0.657789
EXPORTGENERATION - Export generation		1.48	28.88	26.6
FO - Forced Outage Rate	0.029993	0.029923	0.029998	0.029887
FUELCONSUMED - Fuel Consumed		22.2	433.2	399
FUELCOST - Fuel Cost		406.904312	8098.935457	7608.736732
FUELCOSTPMMBTU - Cost, $/mmBtu		0.388888	1.388338	2.629902

FUELDELIVERYCOST - Fuel Delivery Cost		24.76188	492.89496	463.039499
GENCAPACITY - Net Thermal Generation Capacity MWh	33988.8	33990.68	33988.8	34084.76
GENCAPACITYMW - Net Thermal Generation Capacity	3.88	3.880214	3.88	3.880323
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	35040	35040	35040	35136
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4	4	4
GENERATION - Thermal Generation MWh		1.48	28.88	26.6
GENERATIONCOSTPMW - Generation Cost		5.833326	32.725115	54.621042
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		5.833326	20.825073	39.44853
GENERATIONCOSTS - Thermal Generation Costs		431.666192	8591.830417	8071.776232
GENERATIONGROSSREVENUE - Gross Generation Revenue		516.815763	15351.47261	11148.24284
GENERATIONNETREVENUE - Net Revenue Generation		85.14957	6759.64219	3076.466608
GROSSREVENUE - Gross Revenue, $		516.815763	15351.47261	11148.24284
HOURSRUN - Runtime Hours		0.37	7.22	6.65
MARKETGENERATIONCOST - Market Sales Generation Costs		431.666192	8556.130291	7901.844101
MARKETSALES - Spot Sales $		516.815763	15228.70515	10886.54111
MARKETSALESMW - Spot Sales		0.08	0.28	0.52
MARKETSALESMWH - Spot Sales MWh		1.48	28.76	26.04
MCP - MCP			1023.323964	442.40499
MCPMINSPOTPRICE - MCP min spot price			10.233239	13.272149
NETPOS - Net Position (MWh)		1.48	28.88	26.6
NETPOSMW - Net position per MW		0.000168	0.003296	0.003028
NETREVENUE - Net Revenue $		85.14957	6759.64219	3076.466608
NETREVENUEUNHEDGED - Net Revenue without hedges		85.14957	6759.64219	3076.466608
NLGENERATION - Native Load Generation MWh			0.12	0.56
NLGENERATIONCOST - Native Load Generation Costs			35.700126	169.932131
NonZeroMCPHour - Market sales hours greater than colstrip price		0.36	7.12	6.4
NWECOSTS - NWE Costs		-85.14957	-6759.64219	-3076.466608
NWECOSTSMPS - NWE Costs w/ MPS		-601.965333	-21988.34734	-13963.00772
OTHERMCPHOUR - Other MCP Hours			0.03	0.14
PORTFOLIOLOADNATIVE - Portfolio Load		90.7434	1583.8106	1563.8888
STARTS - Number Starts		0.12	1.05	1.35
TOTALCOSTOFSUPPLY - Total Cost of Supply		431.666192	8591.830417	8071.776232
TOTALCOSTS - Total Cost		431.666192	8591.830417	8071.776232
TOTALFUELCOST - Total Fuel Cost		431.666192	8591.830417	8071.776232

TOTALGEN - All Generation		1.48	28.88	26.6
TOTALVARIABLECOST - Variable Costs $		431.666192	8591.830417	8071.776232
Neal				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.22341	10.356005	10.352815	10.335756
CAPACITYFACTOR - Net Generation Capacity Factor	0.58185	0.485325	0.499413	0.508572
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.482793	0.447752	0.460837	0.469055
COSTTOSERVELOAD - Cost to Serve Load	5072382	5038140.346	5606136.276	5715020.015
COSTTOSERVELOADPMW - Cost to Serve Load PMW	23515.97	23061.09493	25504.65953	25279.08904
EXPORTGENERATION - Export generation	247835.2	229847.682	236564.682	241442.848
FO - Forced Outage Rate	0.057143	0.05714	0.057169	0.057116
FUELCONSUMED - Fuel Consumed	2532243	2375397.39	2439324.029	2486733.932
FUELCOST - Fuel Cost	2258878	2302829.034	2416006.371	2516148.937
FUELCOSTPMMBTU - Cost, $/mmBtu	1.980019	2.233248	2.280072	2.404841
FUELDELIVERYCOST - Fuel Delivery Cost	2759638	2996563.808	3147459.795	3467501.794
GENCAPACITY - Net Thermal Generation Capacity MWh	425854.4	473574.728	473553.632	474929.56
GENCAPACITYMW - Net Thermal Generation Capacity	48.61352	54.061042	54.058633	54.067572
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	513336	513336	513336	514742.4
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.6	58.599999	58.599999	58.599999
GENERATION - Thermal Generation MWh	247835.2	229847.682	236564.682	241442.848
GENERATIONCOSTPMW - Generation Cost	253.9165	321.967261	329.154812	343.557006
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.69146	23.589252	24.073799	25.335004
GENERATIONCOSTS - Thermal Generation Costs	5608267	5945605.805	6224259.423	6662377.593
GENERATIONGROSSREVENUE - Gross Generation Revenue	7200021	6890655.721	7912261.741	8739248.714
GENERATIONNETREVENUE - Net Revenue Generation	1591754	945049.9158	1688002.318	2076871.121
GROSSREVENUE - Gross Revenue, $	7200021	6890655.721	7912261.741	8739248.714
HOURSRUN - Runtime Hours	7266.04	8080.83	8079.93	8103.37
MARKETGENERATIONCOST - Market Sales Generation Costs	57660.22	366982.4293	68515.2905	384523.2832
MARKETSALES - Spot Sales $	67692.87	471535.3683	85237.90875	530301.9452
MARKETSALESMW - Spot Sales	12.8943	20.219079	14.839382	21.357827
MARKETSALESMWH - Spot Sales MWh	2776.285	15867.85846	2887.433323	15473.54832
MCP - MCP	20.57238	20.763838	21.692786	23.125815
MCPMINSPOTPRICE - MCP min spot price	18.74799	19.706713	20.488607	22.11569
NETPOS - Net Position (MWh)	247835.2	229847.682	236564.682	241442.848
NETPOSMW - Net position per MW	28.29169	26.238319	27.0051	27.486663

NETREVENUE - Net Revenue $	268151.2	-296570.3002	412967.648	777055.2954
NETREVENUEUNHEDGED - Net Revenue without hedges	268151.2	-296570.3002	412967.648	777055.2954
NLGENERATION - Native Load Generation MWh	245058.9	213979.8235	233677.2487	225969.2997
NLGENERATIONCOST - Native Load Generation Costs	5072382	5038140.346	5606136.276	5715020.015
NonZeroMCPHour - Market sales hours greater than colstrip price	2.12	55.22	7.72	37.12
NWECOSTS - NWE Costs	-1591754	-945049.9158	-1688002.318	-2076871.121
NWECOSTSMPS - NWE Costs w/ MPS	-1659447	-1416585.284	-1773240.227	-2607173.067
OTHERMCPHOUR - Other MCP Hours	45.88	455.37	145.43	369.93
PO - Planned Outage Rate	0.119444	0.021509	0.021509	0.021509
PORTFOLIOLOADNATIVE - Portfolio Load	1389995	1554367.842	1588105.467	1620545.94
STARTS - Number Starts	29.53	32.72	32.62	32.75
STARTUPCOST - StartupCost	478224.8	540483.0296	549607.856	562834.295
TOTALCOSTOFSUPPLY - Total Cost of Supply	6931870	7187226.021	7499294.093	7962193.419
TOTALCOSTS - Total Cost	6931870	7187226.021	7499294.093	7962193.419
TOTALFUELCOST - Total Fuel Cost	5018516	5299392.842	5563466.166	5983650.731
TOTALGEN - All Generation	247835.2	229847.682	236564.682	241442.848
TOTALSTARTUPCOST - TotalStartupCost	478224.8	540483.0296	549607.856	562834.295
TOTALVARIABLECOST - Variable Costs $	6931870	7187226.021	7499294.093	7962193.419
VOMCOSTS - VOM Costs	111525.8	105729.9337	111185.4005	115892.567
zeroMCPHour - Market sales hours less than colstrip price	0.18	8.9	0.52	3.1
Yankton				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	15	13.35	13.5	13.35
CAPACITYFACTOR - Net Generation Capacity Factor	0.052108	0.043126	0.047004	0.049891
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.050567	0.041759	0.045519	0.048578
COSTTOSERVELOAD - Cost to Serve Load	8316.962	9471.416008	11699.59722	13429.65516
COSTTOSERVELOADPMW - Cost to Serve Load PMW	31.4065	38.379121	43.258425	47.55468
EXPORTGENERATION - Export generation	6201.58	5121.34	5582.5	5973.94
FO - Forced Outage Rate	0.030016	0.030018	0.030041	0.030013
FUELCONSUMED - Fuel Consumed	93023.7	76820.1	83737.5	89609.1
FUELCOST - Fuel Cost	268557.8	249487.2739	305717.1041	361229.3725
FUELCOSTPMMBTU - Cost, $/mmBtu	2.866257	2.856633	3.162068	3.427719
GASNLFUELCONSUMED - Native Load Gas Used	2915.784	2947.427281	3207.569147	3394.320913
GENCAPACITY - Net Thermal Generation Capacity MWh	118960.8	118960.8	118960.8	119286.72
GENCAPACITYMW - Net Thermal Generation Capacity	13.58	13.58	13.58	13.58

GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	122640	122640	122640	122976
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14	14	14
GENERATION - Thermal Generation MWh	6201.58	5121.34	5582.5	5973.94
GENERATIONCOSTPMW - Generation Cost	239.9399	209.240677	212.700026	258.066857
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	43.70437	43.524159	48.380137	52.275697
GENERATIONCOSTS - Thermal Generation Costs	271151.3	251692.2739	307911.6041	363381.8725
GENERATIONGROSSREVENUE - Gross Generation Revenue	379388	366126.2583	528754.6071	603863.765
GENERATIONNETREVENUE - Net Revenue Generation	108236.7	114433.9845	220843.003	240481.8925
GROSSREVENUE - Gross Revenue, $	379388	366126.2583	528754.6071	603863.765
HOURSRUN - Runtime Hours	3517.77	2968.95	2623.61	2773.33
MARKETGENERATIONCOST - Market Sales Generation Costs	262834.4	242220.8578	296212.0069	349952.2173
MARKETSALES - Spot Sales $	367717.1	351595.4768	510293.7302	581605.6424
MARKETSALESMW - Spot Sales	13.91055	12.316661	12.531034	12.363057
MARKETSALESMWH - Spot Sales MWh	6007.194	4924.844847	5368.662056	5747.651939
MCP - MCP	45.04575	49.617163	57.738182	61.327319
MCPMINSPOTPRICE - MCP min spot price	37.19997	38.594861	39.067156	45.211833
NETPOS - Net Position (MWh)	6201.58	5121.34	5582.5	5973.94
NETPOSMW - Net position per MW	0.707942	0.584627	0.637271	0.680093
NETREVENUE - Net Revenue $	108236.7	114433.9845	220843.003	240481.8925
NETREVENUEUNHEDGED - Net Revenue without hedges	108236.7	114433.9845	220843.003	240481.8925
NLGENERATION - Native Load Generation MWh	194.3856	196.495152	213.837943	226.28806
NLGENERATIONCOST - Native Load Generation Costs	8316.962	9471.416008	11699.59722	13429.65516
NonZeroMCPHour - Market sales hours greater than colstrip price	178.13	133.02	124.92	136.5
NWECOSTS - NWE Costs	-108236.7	-114433.9845	-220843.003	-240481.8925
NWECOSTSMPS - NWE Costs w/ MPS	-475953.8	-466029.4612	-731136.7332	-822087.5348
OTHERMCPHOUR - Other MCP Hours	4.21	3.54	4.3	4.01
PORTFOLIOLOADNATIVE - Portfolio Load	103977.8	87441.7345	96697.9457	105627.2976
STARTS - Number Starts	2.47	2.1	2.09	2.05
STARTUPCOST - StartupCost	2593.5	2205	2194.5	2152.5
TOTALCOSTOFSUPPLY - Total Cost of Supply	271151.3	251692.2739	307911.6041	363381.8725
TOTALCOSTS - Total Cost	271151.3	251692.2739	307911.6041	363381.8725
TOTALFUELCOST - Total Fuel Cost	268557.8	249487.2739	305717.1041	361229.3725
TOTALGEN - All Generation	6201.58	5121.34	5582.5	5973.94
TOTALSTARTUPCOST - TotalStartupCost	2593.5	2205	2194.5	2152.5

TOTALVARIABLECOST - Variable Costs $	271151.3	251692.2739	307911.6041	363381.8725
zeroMCPHour - Market sales hours less than colstrip price				
Generation Asset - Total				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.95228	11.018472	11.017235	10.987954
CAPACITYFACTOR - Net Generation Capacity Factor	0.370471	0.343454	0.339692	0.363759
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.347531	0.32313	0.310365	0.346584
COSTTOSERVELOAD - Cost to Serve Load	19774996	19858646.47	20701592.97	22833232.17
COSTTOSERVELOADPMW - Cost to Serve Load PMW	92607.55	91323.23383	92901.04489	101263.9313
EXPORTGENERATION - Export generation	1117591	1039122.014	998071.68	1117600.032
FO - Forced Outage Rate	0.034527	0.034519	0.034537	0.034505
FUELCONSUMED - Fuel Consumed	12233317	11431765.62	10961195.8	12248490.86
FUELCOST - Fuel Cost	12847286	12937917.43	13211298.04	15162403.4
FUELCOSTPMMBTU - Cost, $/mmBtu	2.200629	2.286093	2.443544	2.469455
FUELDELIVERYCOST - Fuel Delivery Cost	14121234	13227474.76	13699751.6	15270924.61
GASNLFUELCONSUMED - Native Load Gas Used	105029.2	101837.4049	116567.649	116172.9219
GENCAPACITY - Net Thermal Generation Capacity MWh	3016538	3025619.463	2937823.962	3072674.105
GENCAPACITYMW - Net Thermal Generation Capacity	344.3537	345.390349	335.368032	349.803518
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	3215796	3215796	3215796	3224606.4
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.099999	367.099999	367.099999
GENERATION - Thermal Generation MWh	1117591	1039122.014	998071.68	1117600.032
GENERATIONCOSTPMW - Generation Cost	1872.758	1865.362268	2029.332688	2257.375673
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	25.40881	26.491045	28.253044	28.48998
GENERATIONCOSTS - Thermal Generation Costs	29170700	28333933.47	29064233.06	32812917.13
GENERATIONGROSSREVENUE - Gross Generation Revenue	33509716	31557330.55	35457923	42043223.43
GENERATIONNETREVENUE - Net Revenue Generation	4339015	3223397.084	6393689.94	9230306.306
GROSSREVENUE - Gross Revenue, $	33509716	31557330.55	35457923	42043223.43
HOURSRUN - Runtime Hours	38562.29	36669.29	34367.49	36243.02
MARKETGENERATIONCOST - Market Sales Generation Costs	8666555	7677546.31	7570752.984	9150432.273
MARKETSALES - Spot Sales $	11047129	10079345.28	11400071.55	13746190.72
MARKETSALESMW - Spot Sales	19.69083	17.401746	17.866937	17.776246
MARKETSALESMWH - Spot Sales MWh	298829.3	251186.6631	227059.6102	265428.6612
MCP - MCP	32.57468	34.17603	38.953504	42.973761
MCPMINSPOTPRICE - MCP min spot price	31.64162	33.380648	38.187852	42.117585
NETPOS - Net Position (MWh)	1117591	1039122.014	998071.68	1117600.032

NETPOSMW - Net position per MW	127.5789	118.621234	113.935123	127.231333
NETREVENUE - Net Revenue $	-1556587	-2333598.729	1111066.237	3296636.401
NETREVENUEUNHEDGED - Net Revenue without hedges	-1556587	-2333598.729	1111066.237	3296636.401
NLGENERATION - Native Load Generation MWh	818761.6	787935.3509	771012.0698	852171.3708
NLGENERATIONCOST - Native Load Generation Costs	19774996	19858646.47	20701592.97	22833232.17
NonZeroMCPHour - Market sales hours greater than colstrip price	3900.07	3291.94	2962.64	3451.25
NWECOSTS - NWE Costs	-4339015	-3223397.084	-6393689.94	-9230306.306
NWECOSTSMPS - NWE Costs w/ MPS	-15386144	-13302742.37	-17793761.49	-22976497.03
OTHERMCPHOUR - Other MCP Hours	4379.68	5058.85	5462.49	5023.98
PO - Planned Outage Rate	0.015534	0.010297	0.024145	0.006631
PORTFOLIOLOADNATIVE - Portfolio Load	5197518	5297740.685	5213152.531	5650869.473
STARTS - Number Starts	98.39	99.58	97.92	102.53
STARTUPCOST - StartupCost	739022.2	806359.7283	800611.5939	838136.1368
TOTALCOSTOFSUPPLY - Total Cost of Supply	35066303	33890929.28	34346856.76	38746587.03
TOTALCOSTS - Total Cost	35066303	33890929.28	34346856.76	38746587.03
TOTALFUELCOST - Total Fuel Cost	26968520	26165392.19	26911049.63	30433328
TOTALGEN - All Generation	1117591	1039122.014	998071.68	1117600.032
TOTALSTARTUPCOST - TotalStartupCost	739022.2	806359.7283	800611.5939	838136.1368
TOTALVARIABLECOST - Variable Costs $	35066303	33890929.28	34346856.76	38746587.03
VOMCOSTS - VOM Costs	1463159	1362181.55	1352571.833	1541452.986
zeroMCPHour - Market sales hours less than colstrip price	452.14	381.09	292.4	285.38
Load				
South Dakota Load				
COSTOFSUPPLY - Cost of Supply	44083109	43789206.79	48874084.01	54411485.39
COSTTOSERVELOAD - Cost to Serve Load	3655239	4618657.922	5546275.456	5144075.254
COSTTOSERVELOADPMW - Cost to Serve Load PMW	16898.13	20702.85819	24615.87166	22072.63624
EXPORTGENERATION - Export generation	-1826135	-1865463.986	-1904792.024	-1944115.978
GENERATIONLOAD - Load @ Generation	1826135	1865463.986	1904792.024	1944115.978
MARKETPURCHASES - Spot Purchases $	3655239	4618657.922	5546275.456	5144075.254
MARKETPURCHASESHOURS - Market Purchase Flag	4360.47	5042.86	5466.31	5007.37
MARKETPURCHASESMAX - Max Spot Purchases	198.9873	209.348377	217.542987	217.104015
MARKETPURCHASESMW - Spot Purchases	51.1808	57.862119	63.06065	60.610984
MARKETPURCHASESMWH - Spot Purchases MWh	227824	297896.0155	354124.3224	312276.3886
NETPOS - Net Position (MWh)	-1826135	-1865463.986	-1904792.024	-1944115.978

NETPOSMW - Net position per MW	-208.4629	-212.952509	-217.442011	-221.324678
NETREVENUE - Net Revenue $	-44083109	-43789206.79	-48874084.01	-54411485.39
NETREVENUEPMW - Net Revenue $/MWh	-24.14173	-23.476343	-25.657612	-27.989826
NETREVENUEUNHEDGED - Net Revenue without hedges	-44083109	-43789206.79	-48874084.01	-54411485.39
NWECOSTS - NWE Costs	44083109	43789206.79	48874084.01	54411485.39
NWECOSTSMPS - NWE Costs w/ MPS	47738348	48407864.71	54420359.47	59555560.65
PORTFOLIOLOADNATIVE - Portfolio Load	1826135	1865463.986	1904792.024	1944115.978
TOTALCOSTOFSUPPLY - Total Cost of Supply	44083109	43789206.79	48874084.01	54411485.39
TOTALCOSTS - Total Cost	44083109	43789206.79	48874084.01	54411485.39
TOTALVARIABLECOST - Variable Costs $	44083109	43789206.79	48874084.01	54411485.39
Load - Total				
COSTOFSUPPLY - Cost of Supply	44083109	43789206.79	48874084.01	54411485.39
COSTTOSERVELOAD - Cost to Serve Load	3655239	4618657.922	5546275.456	5144075.254
COSTTOSERVELOADPMW - Cost to Serve Load PMW	16898.13	20702.85819	24615.87166	22072.63624
EXPORTGENERATION - Export generation	-1826135	-1865463.986	-1904792.024	-1944115.978
GENERATIONLOAD - Load @ Generation	1826135	1865463.986	1904792.024	1944115.978
MARKETPURCHASES - Spot Purchases $	3655239	4618657.922	5546275.456	5144075.254
MARKETPURCHASESHOURS - Market Purchase Flag	4360.47	5042.86	5466.31	5007.37
MARKETPURCHASESMAX - Max Spot Purchases	198.9873	209.348377	217.542987	217.104015
MARKETPURCHASESMW - Spot Purchases	51.1808	57.862119	63.06065	60.610984
MARKETPURCHASESMWH - Spot Purchases MWh	227824	297896.0155	354124.3224	312276.3886
NETPOS - Net Position (MWh)	-1826135	-1865463.986	-1904792.024	-1944115.978
NETPOSMW - Net position per MW	-208.4629	-212.952509	-217.442011	-221.324678
NETREVENUE - Net Revenue $	-44083109	-43789206.79	-48874084.01	-54411485.39
NETREVENUEPMW - Net Revenue $/MWh	-24.14173	-23.476343	-25.657612	-27.989826
NETREVENUEUNHEDGED - Net Revenue without hedges	-44083109	-43789206.79	-48874084.01	-54411485.39
NWECOSTS - NWE Costs	44083109	43789206.79	48874084.01	54411485.39
NWECOSTSMPS - NWE Costs w/ MPS	47738348	48407864.71	54420359.47	59555560.65
PORTFOLIOLOADNATIVE - Portfolio Load	1826135	1865463.986	1904792.024	1944115.978
TOTALCOSTOFSUPPLY - Total Cost of Supply	44083109	43789206.79	48874084.01	54411485.39
TOTALCOSTS - Total Cost	44083109	43789206.79	48874084.01	54411485.39
TOTALVARIABLECOST - Variable Costs $	44083109	43789206.79	48874084.01	54411485.39
N/A				
MCP - MCP				

MCPMINSPOTPRICE - MCP min spot price				
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load				
Wind Asset				
Aurora County Wind				
EXPORTGENERATION - Export generation	94004.1	94016.05345	94016.05213	94016.05236
GROSSREVENUE - Gross Revenue, $	2142667	2113013.499	2305960.049	2506348.009
MARKETSALES - Spot Sales $	1213.525	801.127748	547.704797	409.980741
MARKETSALESMW - Spot Sales	5.390718	4.963707	4.282974	3.629383
MARKETSALESMWH - Spot Sales MWh	107.608	59.91096	37.430011	24.974328
MCP - MCP	18.18847	15.601826	17.183677	17.026859
MCPMINSPOTPRICE - MCP min spot price	15.4602	13.729607	16.152656	12.429607
NETPOS - Net Position (MWh)	94004.1	94016.05345	94016.05213	94016.05236
NETPOSMW - Net position per MW	10.73106	10.732426	10.732426	10.703102
NETREVENUE - Net Revenue $	2142667	2113013.499	2305960.049	2506348.009
NETREVENUEUNHEDGED - Net Revenue without hedges	2142667	2113013.499	2305960.049	2506348.009
NLGENERATION - Native Load Generation MWh	93896.49	93956.14249	93978.62212	93991.07803
NonZeroMCPHour - Market sales hours greater than colstrip price	0.04	0.01		0.03
NWECOSTS - NWE Costs	-2142667	-2113013.499	-2305960.049	-2506348.009
NWECOSTSMPS - NWE Costs w/ MPS	-2143880	-2113814.627	-2306507.754	-2506757.99
OTHERMCPHOUR - Other MCP Hours	27.93	27.98	42.28	23.35
PORTFOLIOLOADNATIVE - Portfolio Load	1812524	1847805.646	1879014.116	1924301.873
TOTALGEN - All Generation	94004.1	94016.05345	94016.05213	94016.05236
WINDGEN - Generation - Wind	94004.1	94016.05345	94016.05213	94016.05236
WINDGROSSREVENUE - Gross Wind Revenue	2142667	2113013.499	2305960.049	2506348.009
WINDNETREVENUE - Net Wind Revenue $	2142667	2113013.499	2305960.049	2506348.009
zeroMCPHour - Market sales hours less than colstrip price	0.08	0.01	0.03	
B & H				
COSTTOSERVELOAD - Cost to Serve Load	4382273	4598887.339	4846565.24	5123591.09
COSTTOSERVELOADPMW - Cost to Serve Load PMW	21706.35	22298.41337	23016.43229	23906.03925
EXPORTGENERATION - Export generation	163474.7	163478.6304	163472.715	163473.1807
GROSSREVENUE - Gross Revenue, $	3751603	3688811.749	4029332.392	4385801.206
NETPOS - Net Position (MWh)	163474.7	163478.6304	163472.715	163473.1807
NETPOSMW - Net position per MW	18.6615	18.661944	18.661268	18.610334

NETREVENUE - Net Revenue $	-643782.4	-923946.2852	-831658.5728	-753021.9132
NETREVENUEUNHEDGED - Net Revenue without hedges	-643782.4	-923946.2852	-831658.5728	-753021.9132
NLGENERATION - Native Load Generation MWh	162978	162978	162978	162978
NLGENERATIONCOST - Native Load Generation Costs	4382273	4598887.339	4846565.24	5123591.09
NWECOSTS - NWE Costs	643782.4	923946.2852	831658.5728	753021.9132
NWECOSTSMPS - NWE Costs w/ MPS	643782.4	923946.2852	831658.5728	753021.9132
PORTFOLIOLOADNATIVE - Portfolio Load	1826135	1865463.986	1904792.024	1944115.978
TOTALCOSTOFSUPPLY - Total Cost of Supply	4395386	4612758.034	4860990.965	5138823.119
TOTALCOSTS - Total Cost	4395386	4612758.034	4860990.965	5138823.119
TOTALGEN - All Generation	163474.7	163478.6304	163472.715	163473.1807
TOTALVARIABLECOST - Variable Costs $	4395386	4612758.034	4860990.965	5138823.119
WINDCOSTS - Wind Cost	4395386	4612758.034	4860990.965	5138823.119
WINDGEN - Generation - Wind	163474.7	163478.6304	163472.715	163473.1807
WINDGROSSREVENUE - Gross Wind Revenue	3751603	3688811.749	4029332.392	4385801.206
WINDNETREVENUE - Net Wind Revenue $	-643782.4	-923946.2852	-831658.5728	-753021.9132
WINDTOTALCOST - Wind Total Costs	4395386	4612758.034	4860990.965	5138823.119
B & H II				
COSTTOSERVELOAD - Cost to Serve Load	4562996	4753444.653	4958516.675	5169094.603
COSTTOSERVELOADPMW - Cost to Serve Load PMW	22602.12	23048.29632	23548.62677	24119.00145
EXPORTGENERATION - Export generation	183677.3	183681.6602	183674.961	183675.5185
GROSSREVENUE - Gross Revenue, $	4215439	4144565.119	4527444.699	4927887.798
MCP - MCP	14.73335	11.056902	16.589283	
MCPMINSPOTPRICE - MCP min spot price	0.294667	0.221138	0.497678	
NETPOS - Net Position (MWh)	183677.3	183681.6602	183674.961	183675.5185
NETPOSMW - Net position per MW	20.96772	20.968226	20.967461	20.910236
NETREVENUE - Net Revenue $	-361253.6	-623274.1832	-445901.6767	-256684.4443
NETREVENUEUNHEDGED - Net Revenue without hedges	-361253.6	-623274.1832	-445901.6767	-256684.4443
NLGENERATION - Native Load Generation MWh	183119	183119	183119	183119
NLGENERATIONCOST - Native Load Generation Costs	4562996	4753444.653	4958516.675	5169094.603
NWECOSTS - NWE Costs	361253.6	623274.1832	445901.6767	256684.4443
NWECOSTSMPS - NWE Costs w/ MPS	361253.6	623274.1832	445901.6767	256684.4443
OTHERMCPHOUR - Other MCP Hours	0.04	0.05	0.05	
PORTFOLIOLOADNATIVE - Portfolio Load	1826135	1865463.986	1904792.024	1944115.978
TOTALCOSTOFSUPPLY - Total Cost of Supply	4576693	4767839.302	4973346.375	5184572.242

TOTALCOSTS - Total Cost	4576693	4767839.302	4973346.375	5184572.242
TOTALGEN - All Generation	183677.3	183681.6602	183674.961	183675.5185
TOTALVARIABLECOST - Variable Costs $	4576693	4767839.302	4973346.375	5184572.242
WINDCOSTS - Wind Cost	4576693	4767839.302	4973346.375	5184572.242
WINDGEN - Generation - Wind	183677.3	183681.6602	183674.961	183675.5185
WINDGROSSREVENUE - Gross Wind Revenue	4215439	4144565.119	4527444.699	4927887.798
WINDNETREVENUE - Net Wind Revenue $	-361253.6	-623274.1832	-445901.6767	-256684.4443
WINDTOTALCOST - Wind Total Costs	4576693	4767839.302	4973346.375	5184572.242
Brule County Wind				
EXPORTGENERATION - Export generation	92445.3	92457.06295	92457.03307	92457.05171
GROSSREVENUE - Gross Revenue, $	2102730	2073200.362	2261357.261	2458677.011
MARKETSALES - Spot Sales $	19.90805	9.401159	0.947563	0.97633
MARKETSALESMW - Spot Sales	0.478039	0.33019	0.116497	0.023375
MARKETSALESMWH - Spot Sales MWh	1.885213	0.739612	0.144596	0.070126
MCP - MCP		17.979584	12.348056	15.736712
MCPMINSPOTPRICE - MCP min spot price		0.359591	0.740883	0.157367
NETPOS - Net Position (MWh)	92445.3	92457.06295	92457.03307	92457.05171
NETPOSMW - Net position per MW	10.55312	10.554459	10.554455	10.52562
NETREVENUE - Net Revenue $	2102730	2073200.362	2261357.261	2458677.011
NETREVENUEUNHEDGED - Net Revenue without hedges	2102730	2073200.362	2261357.261	2458677.011
NLGENERATION - Native Load Generation MWh	92443.42	92456.32334	92456.88847	92456.98159
NWECOSTS - NWE Costs	-2102730	-2073200.362	-2261357.261	-2458677.011
NWECOSTSMPS - NWE Costs w/ MPS	-2102750	-2073209.763	-2261358.208	-2458677.988
OTHERMCPHOUR - Other MCP Hours		0.07	0.11	0.01
PORTFOLIOLOADNATIVE - Portfolio Load	1810039	1835155.648	1894009.505	1930307.147
TOTALGEN - All Generation	92445.3	92457.06295	92457.03307	92457.05171
WINDGEN - Generation - Wind	92445.3	92457.06295	92457.03307	92457.05171
WINDGROSSREVENUE - Gross Wind Revenue	2102730	2073200.362	2261357.261	2458677.011
WINDNETREVENUE - Net Wind Revenue $	2102730	2073200.362	2261357.261	2458677.011
Davison County Wind				
EXPORTGENERATION - Export generation	90706.45	90717.05197	90717.03821	90717.04571
GROSSREVENUE - Gross Revenue, $	2085954	2052208.244	2242528.303	2433048.362
MARKETSALES - Spot Sales $	0.056457			
MARKETSALESMW - Spot Sales	0.003133			

MARKETSALESMWH - Spot Sales MWh	0.003133			
MCP - MCP	19.88807			
MCPMINSPOTPRICE - MCP min spot price	0.19888			
NETPOS - Net Position (MWh)	90706.45	90717.05197	90717.03821	90717.04571
NETPOSMW - Net position per MW	10.35462	10.355827	10.355826	10.327532
NETREVENUE - Net Revenue $	2085954	2052208.244	2242528.303	2433048.362
NETREVENUEUNHEDGED - Net Revenue without hedges	2085954	2052208.244	2242528.303	2433048.362
NLGENERATION - Native Load Generation MWh	90706.45	90717.05197	90717.03821	90717.04571
NWECOSTS - NWE Costs	-2085954	-2052208.244	-2242528.303	-2433048.362
NWECOSTSMPS - NWE Costs w/ MPS	-2085954	-2052208.244	-2242528.303	-2433048.362
OTHERMCPHOUR - Other MCP Hours	0.02			
PORTFOLIOLOADNATIVE - Portfolio Load	1811494	1833271.9	1877830.359	1931402.219
TOTALGEN - All Generation	90706.45	90717.05197	90717.03821	90717.04571
WINDGEN - Generation - Wind	90706.45	90717.05197	90717.03821	90717.04571
WINDGROSSREVENUE - Gross Wind Revenue	2085954	2052208.244	2242528.303	2433048.362
WINDNETREVENUE - Net Wind Revenue $	2085954	2052208.244	2242528.303	2433048.362
OakTree				
COSTTOSERVELOAD - Cost to Serve Load	3926883	3926883.435	3926882.432	3926883.917
COSTTOSERVELOADPMW - Cost to Serve Load PMW	19294.27	18887.79684	18498.05331	18171.06539
EXPORTGENERATION - Export generation	76652.02	76652.02879	76652.00921	76652.03821
GROSSREVENUE - Gross Revenue, $	1747639	1710324.172	1873165.782	2036267.082
NETPOS - Net Position (MWh)	76652.02	76652.02879	76652.00921	76652.03821
NETPOSMW - Net position per MW	8.75023	8.750231	8.750229	8.726324
NETREVENUE - Net Revenue $	-2179244	-2216559.263	-2053716.65	-1890616.836
NETREVENUEUNHEDGED - Net Revenue without hedges	-2179244	-2216559.263	-2053716.65	-1890616.836
NLGENERATION - Native Load Generation MWh	76652.02	76652.02879	76652.00921	76652.03821
NLGENERATIONCOST - Native Load Generation Costs	3926883	3926883.435	3926882.432	3926883.917
NWECOSTS - NWE Costs	2179244	2216559.263	2053716.65	1890616.836
NWECOSTSMPS - NWE Costs w/ MPS	2179244	2216559.263	2053716.65	1890616.836
PORTFOLIOLOADNATIVE - Portfolio Load	1815830	1856269.135	1893713.676	1928672.737
TOTALCOSTOFSUPPLY - Total Cost of Supply	3926883	3926883.435	3926882.432	3926883.917
TOTALCOSTS - Total Cost	3926883	3926883.435	3926882.432	3926883.917
TOTALGEN - All Generation	76652.02	76652.02879	76652.00921	76652.03821
TOTALVARIABLECOST - Variable Costs $	3926883	3926883.435	3926882.432	3926883.917

WINDCOSTS - Wind Cost	3926883	3926883.435	3926882.432	3926883.917
WINDGEN - Generation - Wind	76652.02	76652.02879	76652.00921	76652.03821
WINDGROSSREVENUE - Gross Wind Revenue	1747639	1710324.172	1873165.782	2036267.082
WINDNETREVENUE - Net Wind Revenue $	-2179244	-2216559.263	-2053716.65	-1890616.836
WINDTOTALCOST - Wind Total Costs	3926883	3926883.435	3926882.432	3926883.917
Titan				
COSTTOSERVELOAD - Cost to Serve Load	5043398	5169470.936	5298617.731	5431020.13
COSTTOSERVELOADPMW - Cost to Serve Load PMW	25265	25350.32964	25454.26179	25627.19753
EXPORTGENERATION - Export generation	80031.74	80043.26171	80023.17051	80024.04198
GROSSREVENUE - Gross Revenue, $	1755423	1738050.879	1897833.543	2062096.423
NETPOS - Net Position (MWh)	80031.74	80043.26171	80023.17051	80024.04198
NETPOSMW - Net position per MW	9.136043	9.137358	9.135065	9.110205
NETREVENUE - Net Revenue $	-3305393	-3449933.779	-3418508.623	-3387138.127
NETREVENUEUNHEDGED - Net Revenue without hedges	-3305393	-3449933.779	-3418508.623	-3387138.127
NLGENERATION - Native Load Generation MWh	79754.08	79754.07284	79754.07411	79754.07474
NLGENERATIONCOST - Native Load Generation Costs	5043398	5169470.936	5298617.731	5431020.13
NWECOSTS - NWE Costs	3305393	3449933.779	3418508.623	3387138.127
NWECOSTSMPS - NWE Costs w/ MPS	3305393	3449933.779	3418508.623	3387138.127
PORTFOLIOLOADNATIVE - Portfolio Load	1814220	1850336.63	1897725.08	1930447.046
TOTALCOSTOFSUPPLY - Total Cost of Supply	5060816	5187984.658	5316342.166	5449234.551
TOTALCOSTS - Total Cost	5060816	5187984.658	5316342.166	5449234.551
TOTALGEN - All Generation	80031.74	80043.26171	80023.17051	80024.04198
TOTALVARIABLECOST - Variable Costs $	5060816	5187984.658	5316342.166	5449234.551
WINDCOSTS - Wind Cost	5060816	5187984.658	5316342.166	5449234.551
WINDGEN - Generation - Wind	80031.74	80043.26171	80023.17051	80024.04198
WINDGROSSREVENUE - Gross Wind Revenue	1755423	1738050.879	1897833.543	2062096.423
WINDNETREVENUE - Net Wind Revenue $	-3305393	-3449933.779	-3418508.623	-3387138.127
WINDTOTALCOST - Wind Total Costs	5060816	5187984.658	5316342.166	5449234.551
Wind Asset - Total				
COSTTOSERVELOAD - Cost to Serve Load	17915551	18448686.36	19030582.08	19650589.74
COSTTOSERVELOADPMW - Cost to Serve Load PMW	88867.74	89584.83617	90517.37417	91823.30362
EXPORTGENERATION - Export generation	780991.6	781045.7494	781012.9791	781014.9292
GROSSREVENUE - Gross Revenue, $	17801455	17520174.02	19137622.03	20810125.89
MARKETSALES - Spot Sales $	1233.489	810.528907	548.65236	410.957072

MARKETSALESMW - Spot Sales	0.838841	0.756271	0.628495	0.521822
MARKETSALESMWH - Spot Sales MWh	109.4963	60.650573	37.574607	25.044454
MCP - MCP	18.12871	15.642164	17.157953	16.948801
MCPMINSPOTPRICE - MCP min spot price	15.40941	13.765105	16.128476	12.372625
NETPOS - Net Position (MWh)	780991.6	781045.7494	781012.9791	781014.9292
NETPOSMW - Net position per MW	89.15429	89.160473	89.156732	88.913357
NETREVENUE - Net Revenue $	-158321.8	-975291.4049	60060.08983	1110612.062
NETREVENUEUNHEDGED - Net Revenue without hedges	-158321.8	-975291.4049	60060.08983	1110612.062
NLGENERATION - Native Load Generation MWh	779549.4	779632.6194	779655.6321	779668.2183
NLGENERATIONCOST - Native Load Generation Costs	17915551	18448686.36	19030582.08	19650589.74
NonZeroMCPHour - Market sales hours greater than colstrip price	0.04	0.01		0.03
NWECOSTS - NWE Costs	158321.8	975291.4049	-60060.08983	-1110612.062
NWECOSTSMPS - NWE Costs w/ MPS	157088.3	974480.876	-60608.74219	-1111023.019
OTHERMCPHOUR - Other MCP Hours	27.99	28.1	42.44	23.36
PORTFOLIOLOADNATIVE - Portfolio Load	12716378	12953766.93	13251876.78	13533362.98
TOTALCOSTOFSUPPLY - Total Cost of Supply	17959777	18495465.43	19077561.94	19699513.83
TOTALCOSTS - Total Cost	17959777	18495465.43	19077561.94	19699513.83
TOTALGEN - All Generation	780991.6	781045.7494	781012.9791	781014.9292
TOTALVARIABLECOST - Variable Costs $	17959777	18495465.43	19077561.94	19699513.83
WINDCOSTS - Wind Cost	17959777	18495465.43	19077561.94	19699513.83
WINDGEN - Generation - Wind	780991.6	781045.7494	781012.9791	781014.9292
WINDGROSSREVENUE - Gross Wind Revenue	17801455	17520174.02	19137622.03	20810125.89
WINDNETREVENUE - Net Wind Revenue $	-158321.8	-975291.4049	60060.08983	1110612.062
WINDTOTALCOST - Wind Total Costs	17959777	18495465.43	19077561.94	19699513.83
zeroMCPHour - Market sales hours less than colstrip price	0.08	0.01	0.03	
Total				
Total - Total				
Total - Total - Total				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.95228	11.018472	11.017235	10.987954
CAPACITYFACTOR - Net Generation Capacity Factor	0.370471	0.343454	0.339692	0.363759
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.347531	0.32313	0.310365	0.346584
COSTOFSUPPLY - Cost of Supply	44083109	43789206.79	48874084.01	54411485.39
COSTTOSERVELOAD - Cost to Serve Load	41345786	42925990.75	45278450.5	47627897.17
COSTTOSERVELOADPMW - Cost to Serve Load PMW	198373.4	201610.9282	208034.2907	215159.8711

EXPORTGENERATION - Export generation	72447.47	-45296.22239	-125707.3652	-45501.01647
FIXEDCOST - Fixed Cost	68752482	70127531.68	71530059.5	72960182
FO - Forced Outage Rate	0.034527	0.034519	0.034537	0.034505
FUELCONSUMED - Fuel Consumed	12233317	11431765.62	10961195.8	12248490.86
FUELCOST - Fuel Cost	12847286	12937917.43	13211298.04	15162403.4
FUELCOSTPMMBTU - Cost, $/mmBtu	2.200629	2.286093	2.443544	2.469455
FUELDELIVERYCOST - Fuel Delivery Cost	14121234	13227474.76	13699751.6	15270924.61
GASNLFUELCONSUMED - Native Load Gas Used	105029.2	101837.4049	116567.649	116172.9219
GENCAPACITY - Net Thermal Generation Capacity MWh	3016538	3025619.463	2937823.962	3072674.105
GENCAPACITYMW - Net Thermal Generation Capacity	344.3537	345.390349	335.368032	349.803518
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	3215796	3215796	3215796	3224606.4
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.099999	367.099999	367.099999
GENERATION - Thermal Generation MWh	1117591	1039122.014	998071.68	1117600.032
GENERATIONCOSTPMW - Generation Cost	1872.758	1865.362268	2029.332688	2257.375673
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	25.40881	26.491045	28.253044	28.48998
GENERATIONCOSTS - Thermal Generation Costs	29170700	28333933.47	29064233.06	32812917.13
GENERATIONGROSSREVENUE - Gross Generation Revenue	33509716	31557330.55	35457923	42043223.43
GENERATIONLOAD - Load @ Generation	1826135	1865463.986	1904792.024	1944115.978
GENERATIONNETREVENUE - Net Revenue Generation	4339015	3223397.084	6393689.94	9230306.306
GROSSREVENUE - Gross Revenue, $	51311171	49077504.57	54595545.03	62853349.33
HOURSRUN - Runtime Hours	38562.29	36669.29	34367.49	36243.02
MARKETGENERATIONCOST - Market Sales Generation Costs	8666555	7677546.31	7570752.984	9150432.273
MARKETPRICE - Market Price $/Unit	17.18463	16.862627	18.316462	19.867229
MARKETPURCHASES - Spot Purchases $	3655239	4618657.922	5546275.456	5144075.254
MARKETPURCHASESHOURS - Market Purchase Flag	4360.47	5042.86	5466.31	5007.37
MARKETPURCHASESMAX - Max Spot Purchases	198.9873	209.348377	217.542987	217.104015
MARKETPURCHASESMW - Spot Purchases	2.843377	3.045374	3.318981	3.190051
MARKETPURCHASESMWH - Spot Purchases MWh	227824	297896.0155	354124.3224	312276.3886
MARKETSALES - Spot Sales $	11048362	10080155.81	11400620.2	13746601.68
MARKETSALESMW - Spot Sales	11.26557	10.353321	10.575567	10.483761
MARKETSALESMWH - Spot Sales MWh	298938.8	251247.3137	227097.1848	265453.7056
MCP - MCP	30.91393	31.921533	36.247359	40.550225
MCPMINSPOTPRICE - MCP min spot price	30.0932	31.231443	35.597087	39.796611
NETPOS - Net Position (MWh)	72447.47	-45296.22239	-125707.3652	-45501.01647

NETPOSMW - Net position per MW	8.270259	-5.170801	-14.350155	-5.179988
NETREVENUE - Net Revenue $	-1.15E+08	-117225628.6	-119233017.2	-122964418.9
NETREVENUEPMW - Net Revenue $/MWh	-62.7322	-62.843798	-62.595911	-63.251633
NETREVENUEUNHEDGED - Net Revenue without hedges	-1.15E+08	-117225628.6	-119233017.2	-122964418.9
NLGENERATION - Native Load Generation MWh	1598311	1567567.97	1550667.702	1631839.589
NLGENERATIONCOST - Native Load Generation Costs	37690546	38307332.83	39732175.04	42483821.91
NWECOSTS - NWE Costs	1.09E+08	111668632.8	113950393.5	117030749
NWECOSTSMPS - NWE Costs w/ MPS	1.01E+08	106207134.9	108096048.7	108428222.6
PO - Planned Outage Rate	0.015534	0.010297	0.024145	0.006631
PORTFOLIOLOADNATIVE - Portfolio Load	19740031	20116971.6	20369821.34	21128348.43
STARTS - Number Starts	98.39	99.58	97.92	102.53
STARTUPCOST - StartupCost	739022.2	806359.7283	800611.5939	838136.1368
TOTALCOSTOFSUPPLY - Total Cost of Supply	1.66E+08	166303133.2	173828562.2	185817768.3
TOTALCOSTS - Total Cost	97109189	96175601.5	102298502.7	112857586.3
TOTALFUELCOST - Total Fuel Cost	26968520	26165392.19	26911049.63	30433328
TOTALGEN - All Generation	1898582	1820167.763	1779084.659	1898614.961
TOTALSTARTUPCOST - TotalStartupCost	739022.2	806359.7283	800611.5939	838136.1368
TOTALVARIABLECOST - Variable Costs $	97109189	96175601.5	102298502.7	112857586.3
VOMCOSTS - VOM Costs	1463159	1362181.55	1352571.833	1541452.986
WINDCOSTS - Wind Cost	17959777	18495465.43	19077561.94	19699513.83
WINDGEN - Generation - Wind	780991.6	781045.7494	781012.9791	781014.9292
WINDGROSSREVENUE - Gross Wind Revenue	17801455	17520174.02	19137622.03	20810125.89
WINDNETREVENUE - Net Wind Revenue $	-158321.8	-975291.4049	60060.08983	1110612.062
WINDTOTALCOST - Wind Total Costs	17959777	18495465.43	19077561.94	19699513.83

Projects

2021-01	2022-01	2023-01	2024-01	2025-01	2026-01	2027-01	2028-01	2029-01	2030-01	2031-01	2032-01
74419898	75908296	77426437	78974447	80554491	82165580	83808865	85484482	87194771	88938667	90717411	92531152
-74419898	-75908296	-77426437	-78974447	-80554491	-82165580	-83808865	-85484482	-87194771	-88938667	-90717411	-92531152
-74419898	-75908296	-77426437	-78974447	-80554491	-82165580	-83808865	-85484482	-87194771	-88938667	-90717411	-92531152
74419898	75908296	77426437	78974447	80554491	82165580	83808865	85484482	87194771	88938667	90717411	92531152
74419898	75908296	77426437	78974447	80554491	82165580	83808865	85484482	87194771	88938667	90717411	92531152
74419898	75908296	77426437	78974447	80554491	82165580	83808865	85484482	87194771	88938667	90717411	92531152

28.29592	29.26762	31.04846	32.49399	33.99969	34.67886	34.69154	35.01958	35.39917	35.99705	36.90891	38.63998
21.11001	21.53218	21.96286	22.40211	22.85016	23.30716	23.77328	24.24872	24.73373	25.22844	25.73296	26.24762
28.17036	29.14017	30.92475	32.37205	33.87764	34.55522	34.56584	34.89521	35.27448	35.87219	36.7844	38.51554
28.26695	29.23821	31.01991	32.46585	33.97152	34.65033	34.66253	34.99088	35.37039	35.96824	36.88018	38.61126
27.54253	28.50288	30.3062	31.76237	33.2674	33.93703	33.93735	34.27336	34.65105	35.24786	36.16185	37.89333
27.82264	28.78721	30.58217	32.03438	33.53966	34.21284	34.21775	34.5508	34.9292	35.52641	36.43961	38.17093
28.24763	29.2186	31.00088	32.44709	33.95274	34.63131	34.64319	34.97174	35.35121	35.94903	36.86102	38.59212
28.28627	29.25782	31.03895	32.48461	33.9903	34.66935	34.68187	35.01001	35.38957	35.98745	36.89933	38.63041

19.45091	19.83992	20.23672	20.64146	21.05429	21.47537	21.90488	22.34298	22.78984	23.24563	23.71055	24.18476
1.029999	1.06	1.089999	1.11	1.149999	1.179999	1.219999	1.25	1.3	1.349999	1.4	1.44
27.98684	28.95388	30.74395	32.19383	33.69926	34.37452	34.38213	34.71344	35.09225	35.68969	36.60243	38.33366
4.331835	4.487506	4.763095	4.985327	5.223452	5.321753	5.321753	5.38101	5.436602	5.529013	5.672191	5.930737
22.54516	23.27383	24.55983	25.61609	26.71467	27.24948	27.33351	27.63731	27.97646	28.46592	29.17112	30.43253
22.54516	23.27383	24.55983	25.61609	26.71467	27.24948	27.33351	27.63731	27.97646	28.46592	29.17112	30.43253
1.66728	1.11152	1.52834	1.94516	2.22304	1.52834	1.94516	1.3894	1.3894	2.22304	1.94516	2.36198
0.001356	0.001653	0.001052	0.001939	0.002069	0.001236	0.001594	0.001175	0.001988	0.001559	0.002159	0.003179
0.001318	0.001585	0.001011	0.00188	0.001994	0.001203	0.001545	0.001135	0.001906	0.001497	0.002096	0.003109
1816.527	420.6705	1300.744	3965.437	2585.066	2681.24	4806.72	4805.845	11793.98	5632.998	10613.91	16401.99
7.441385	1.596997	5.283619	13.68776	9.122399	9.721235	16.06268	17.46175	45.32474	16.92032	31.79363	45.88136
259.8	312.6	199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6
0.030009	0.029886	0.030076	0.029801	0.030021	0.02996	0.03007	0.029803	0.030016	0.029919	0.030025	0.02979
3609.661	4343.264	2770.464	5163.01	5463.121	3295.657	4232.112	3117.814	5221.365	4101.509	5741.001	8539.252
70211.18	86170.04	56065.1	106572.1	115022.1	70775.46	92703.91	69661.24	118994.1	95342.17	136122.3	206519.7
2.476152	1.683785	2.361504	3.065671	3.573693	2.506049	3.253317	2.370267	2.417673	3.945653	3.521482	4.361614
4272.756	5244.057	3411.826	6485.774	6999.897	4307.094	5641.829	4239.291	7241.511	5802.404	8283.69	12568.07
191187	191211.5	191187	191751.5	191187	191211.5	191187	191751.5	191187	191211.5	191187	191751.5
21.825	21.8278	21.825	21.82964	21.825	21.8278	21.825	21.82964	21.825	21.8278	21.825	21.82964
197100	197100	197100	197640	197100	197100	197100	197640	197100	197100	197100	197640
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
259.8	312.6	199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6
64.33981	38.38297	51.76952	71.05037	107.5753	51.3922	81.79017	50.00043	64.55545	87.25981	84.85552	126.2551
34.85277	23.67294	33.4493	43.30356	50.40876	35.26546	45.9538	33.44984	34.02966	55.96069	49.56254	61.43369
74998.99	91884.26	59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8
112356.4	157703.9	131673.5	153866.1	173431.7	162054.8	142967	125817	184875	135967.5	248606	324424.9

37357.39	65819.68	71783.8	40186.36	50603.81	86507.65	44044.94	51469.4	57989.34	34148.74	103416.5	104177.1
112356.4	157703.9	131673.5	153866.1	173431.7	162054.8	142967	125817	184875	135967.5	248606	324424.9
79.39	69.35	60.17	114.21	134.67	67.96	107.04	71.76	100.74	90.67	119.01	176.44
73182.46	91463.59	58588.98	109714.3	120242.9	72865.94	94115.34	69541.74	115091.7	96185.78	134575.6	203845.8
109027.2	157224.4	129678.7	147780.9	170097.7	155968.7	135894	119558.4	165268	127191.4	230976.5	299748.6
2.384554	1.599263	2.152412	2.785551	3.175226	2.182156	2.78645	1.97645	1.951945	3.122745	2.753042	3.344632
253.5188	311.167	195.0978	358.6163	384.9029	228.7931	289.7694	209.863	340.881	278.9146	383.0333	568.8911
290.7054	300.9754	305.7712	307.4134	318.0021	327.6248	327.6055	336.2821	341.72	346.4399	354.6784	370.114
20.34937	12.03902	15.19614	12.29654	28.47427	12.85734	19.65633	16.81411	23.90167	27.71519	24.80098	44.1389
259.8	312.6	199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6
0.029657	0.035684	0.022762	0.042304	0.044885	0.027077	0.034771	0.025546	0.042899	0.033698	0.047168	0.069968
37357.39	65819.68	71783.8	40186.36	50603.81	86507.65	44044.94	51469.4	57989.34	34148.74	103416.5	104177.1
37357.39	65819.68	71783.8	40186.36	50603.81	86507.65	44044.94	51469.4	57989.34	34148.74	103416.5	104177.1
6.281188	1.432989	4.30216	12.98372	8.297091	8.406933	14.83059	14.53696	34.919	16.28543	30.16675	45.70893
1816.527	420.6705	1300.744	3965.437	2585.066	2681.24	4806.72	4805.845	11793.98	5632.998	10613.91	16401.99
2.43	2.07	1.27	3.3	3.74	1.47	3	1.91	2.44	2.84	3.72	4.63
-37357.39	-65819.68	-71783.8	-40186.36	-50603.81	-86507.65	-44044.94	-51469.4	-57989.34	-34148.74	-103416.5	-104177.1
-146384.6	-223044.1	-201462.5	-187967.3	-220701.5	-242476.3	-179938.9	-171027.8	-223257.4	-161340.1	-334393	-403925.7
0.05	0.03	0.06	0.07	0.09	0.04	0.1	0.11	0.15	0.07	0.23	0.27
3085.78	3980.894	2292.203	5023.216	5124.264	2923.438	4092.862	2964.979	5263.535	4465.111	6093.125	9249.709
0.26	0.13	0.2	0.2	0.35	0.18	0.2	0.16	0.16	0.27	0.21	0.29
229.2706	116.9272	183.486	187.156	334.075	175.2462	198.612	162.0672	165.3088	284.5368	225.7332	317.9618
74998.99	91884.26	59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8
74998.99	91884.26	59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8
74483.94	91414.09	59476.93	113057.8	122022	75082.55	98345.74	73900.53	126235.6	101144.6	144406	219087.8
259.8	312.6	199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6
229.2706	116.9272	183.486	187.156	334.075	175.2462	198.612	162.0672	165.3088	284.5368	225.7332	317.9618
74998.99	91884.26	59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8
285.78	353.238	229.31	434.772	471.84	289.384	377.704	284.988	484.782	389.664	557.82	842.002
9.418999	9.230619	9.324809	9.230619	9.324809	9.230619	9.230619	9.136429	9.324809	9.324809	9.418999	9.230619
0.099732	0.100614	0.102659	0.10505	0.102539	0.105751	0.10203	0.109394	0.105326	0.106241	0.105367	0.102935
0.096748	0.09766	0.099768	0.101941	0.099627	0.10244	0.098866	0.106204	0.102075	0.103253	0.102251	0.099826
503223	682783.7	797561.6	751628.1	960541.3	1065767	1083710	1425518	1283844	1329410	1535787	1723491

1895.432	2554.589	2922.987	2622.725	3364	3626.152	3623.67	4840.828	4206.6	4211.276	4852.437	5469.04
49156.16	49619.58	50690.26	51936.1	50618.92	52048.04	50232.06	54108.2	51862.44	52461	51951.76	50859.04
0.030002	0.030053	0.030021	0.030014	0.030028	0.030022	0.030046	0.030037	0.030021	0.030019	0.030015	0.030029
463001.9	467366.8	477451.6	489186.1	476779.6	490240.5	473135.8	509645.1	488492.3	494130.2	489333.6	479041.3
2032780	2025151	2283546	2414510	2581671	2628639	2552112	2772059	2632190	2738902	2770932	2808290
4.121315	4.181729	4.560903	4.667352	4.977458	4.994164	5.070938	5.05527	5.123807	5.263685	5.47586	5.562783
98904.03	134644.7	143768.6	130007.2	154368.5	171854.5	173998	225146.6	203536.6	203365.2	232006.8	251137.1
492837.6	492837.6	492837.6	494187.3	492837.6	492837.6	492837.6	494188.4	492837.6	492837.6	492837.6	494187.3
56.26	56.26	56.26	56.25993	56.26	56.26	56.26	56.26007	56.26	56.26	56.26	56.25993
508080	508080	508080	509472	508080	508080	508080	509472	508080	508080	508080	509472
58	58	58	58	58	58	58	58	58	58	58	58
49156.16	49619.58	50690.26	51936.1	50618.92	52048.04	50232.06	54108.2	51862.44	52461	51951.76	50859.04
333.1201	356.8362	365.9819	384.7291	385.6018	413.038	384.2963	398.217	404.3904	395.0027	409.5409	418.6197
46.70723	47.25351	51.14656	52.14645	55.43975	55.55718	56.47294	56.37821	57.37943	58.84823	61.17343	61.97255
2416579	2420241	2695097	2844545	3009255	3077030	2993197	3256859	3106655	3228020	3264759	3301691
4278990	4043823	4552991	4898557	5371625	5154328	5237249	5540751	5372439	5661713	6058109	6310438
1862411	1623582	1857894	2054012	2362370	2077299	2244051	2283891	2265784	2433694	2793350	3008746
4278990	4043823	4552991	4898557	5371625	5154328	5237249	5540751	5372439	5661713	6058109	6310438
3922.08	4099.84	4018.76	4017.05	3809.47	4094.04	3724.69	3988.52	3930.11	3840.98	3735.15	3701.93
1913356	1737458	1897536	2092917	2048709	2011262	1909487	1831341	1822811	1898605	1728972	1578200
3336977	2906162	3158208	3529927	3635196	3340525	3261233	3041748	3083276	3275395	3224308	2971865
51.84646	47.18362	48.36367	48.9044	48.1275	47.04697	45.12649	43.43894	46.29242	45.6301	45.10283	41.6025
38655.68	35324.57	35426.58	38133.44	34229.86	33802.53	31758.98	30204.75	30253.29	30870.04	27319.97	24196.22
47.75838	49.2167	53.20102	54.53782	57.87996	58.54812	59.74115	60.264	60.65142	61.88473	63.81664	66.23911
46.74191	48.19	51.03357	52.8498	55.45777	56.75407	58.50806	57.81716	60.00113	61.22775	63.11106	64.21777
49156.16	49619.58	50690.26	51936.1	50618.92	52048.04	50232.06	54108.2	51862.44	52461	51951.76	50859.04
5.611433	5.664335	5.786559	5.912579	5.778415	5.941557	5.734253	6.159858	5.920369	5.988698	5.930566	5.789963
1862411	1623582	1857894	2054012	2362370	2077299	2244051	2283891	2265784	2433694	2793350	3008746
1862411	1623582	1857894	2054012	2362370	2077299	2244051	2283891	2265784	2433694	2793350	3008746
10500.48	14295.01	15263.68	13802.66	16389.06	18245.51	18473.08	23903.45	21609.15	21590.96	24631.79	26662.82
503223	682783.7	797561.6	751628.1	960541.3	1065767	1083710	1425518	1283844	1329410	1535787	1723491
307.71	336.63	329.4	337.52	303.35	326.28	283.98	292.35	278.08	272.02	232.87	222.37
-1862411	-1623582	-1857894	-2054012	-2362370	-2077299	-2244051	-2283891	-2265784	-2433694	-2793350	-3008746
-5199388	-4529744	-5016103	-5583939	-5997566	-5417824	-5505284	-5325639	-5349060	-5709089	-6017658	-5980612

30.16	46.35	55.55	47.24	58.97	72.68	68.29	94.33	89.4	82.47	96.11	112.72
210140.4	217789.1	228017.4	235441.2	235079.4	248157.8	243013.1	264520.6	257627.7	265273	268635.3	265323.2
9.43	9.89	9.49	9.67	8.9	9.88	8.91	9.28	9.67	9.04	8.99	9.22
3821.413	4088.032	4001.079	4158.584	3903.985	4420.51	4066.257	4319.84	4591.413	4378.072	4440.97	4645.681
2416579	2420241	2695097	2844545	3009255	3077030	2993197	3256859	3106655	3228020	3264759	3301691
2416579	2420241	2695097	2844545	3009255	3077030	2993197	3256859	3106655	3228020	3264759	3301691
2032780	2025151	2283546	2414510	2581671	2628639	2552112	2772059	2632190	2738902	2770932	2808290
49156.16	49619.58	50690.26	51936.1	50618.92	52048.04	50232.06	54108.2	51862.44	52461	51951.76	50859.04
3821.413	4088.032	4001.079	4158.584	3903.985	4420.51	4066.257	4319.84	4591.413	4378.072	4440.97	4645.681
2416579	2420241	2695097	2844545	3009255	3077030	2993197	3256859	3106655	3228020	3264759	3301691
379977.1	391002.3	407549.7	425876	423680.4	443969.8	437018.9	480480.8	469873.7	484739.6	489385.6	488755.4
	2.1	1.56	1.23	0.84	1.68	2.07	2.31	2.53	4.34	3.67	4.14
11.01888	10.98618	10.97941	10.98164	10.98981	10.95603	10.99146	10.98432	10.99207	10.99973	11.00792	10.97858
0.593894	0.606989	0.616246	0.614549	0.612126	0.627591	0.609999	0.613569	0.606976	0.601177	0.596037	0.611386
0.548876	0.561135	0.524521	0.592562	0.566069	0.58017	0.588071	0.521923	0.561171	0.579601	0.551126	0.520185
11366438	12862431	12175176	14183595	14697112	15145389	16445826	15335780	16719647	17952808	17892231	17313397
49033.89	54783.83	50065.72	58322.14	59133.32	59554.8	64203.62	58175.32	62642.15	66686.51	65044.3	61524.81
533705.8	545625.4	510024	577763.1	550423	564134.2	571817.2	508887.6	545660.4	563581.3	535893.4	507193.1
0.035912	0.035919	0.035931	0.036018	0.035908	0.035912	0.035926	0.036027	0.035944	0.035932	0.035933	0.036014
5866066	5983914	5585060	6329526	6031745	6166854	6269138	5574916	5984697	6187821	5888154	5558563
6057190	6347313	6083747	7034742	6967458	7294928	7668307	6976500	7774076	8375991	8247967	8008795
2.619238	2.704621	2.787194	2.866324	2.926798	2.983809	3.045544	3.099569	3.167347	3.22713	3.293789	3.352961
9318246	9842940	9475613	11116546	10713586	11121922	11441803	10310250	11175224	11614540	11145687	10634088
898643.8	898742.6	827345.2	939930.2	899223.2	898919.1	937452.7	829289.9	899148.8	937452.7	899095.6	829656.2
102.5849	102.5962	94.44579	107.0048	102.6511	102.6163	107.0152	94.40914	102.6426	107.0152	102.6365	94.45084
972360	972360	972360	975024	972360	972360	972360	975024	972360	972360	972360	975024
111	111	111	111	111	111	111	111	111	111	111	111
533705.8	545625.4	510024	577763.1	550423	564134.2	571817.2	508887.6	545660.4	563581.3	535893.4	507193.1
369.9882	380.8769	359.1583	402.5941	411.3396	418.3451	427.9876	399.7884	445.9294	454.3711	464.3662	432.6126
30.33826	31.22221	32.14373	33.05545	33.76903	34.32714	35.14128	35.75505	36.55746	37.26329	38.06841	38.65952
16327185	17178628	16498497	19233788	18740573	19519553	20245052	18329248	20086223	21179105	20559033	19766436
19305948	20109346	20203027	23597818	23825332	24490551	25006424	22881770	24367240	25782670	25447771	25448290
2978763	2930718	3704530	4364030	5084759	4970998	4761371	4552522	4281017	4603565	4888737	5681853

19305948	20109346	20203027	23597818	23825332	24490551	25006424	22881770	24367240	25782670	25447771	25448290
8095.77	8096.62	7453.37	8467.84	8101.01	8097.86	8445.52	7471.01	8100.26	8445.52	8099.81	7474.32
4798882	4151716	4169621	4880559	3870113	4196641	3619219	2821167	3179103	3035262	2471391	2267793
7131564	5977712	6179954	7212134	6020522	6244116	5355412	4315482	4708020	4580886	3831871	3508226
51.5303	48.96898	49.9907	50.35491	47.4742	48.30197	44.94932	44.08011	44.69338	43.48097	41.28003	41.2455
162405.7	136615.4	133467.7	151661.3	117815.7	125389.4	105936.8	81326.67	89892.87	83888.94	67106.79	60561.78
22.0103	22.93436	23.95085	24.64768	24.92734	26.14789	26.06368	26.19997	27.02489	26.95196	26.98606	28.41232
20.69569	21.94514	22.93289	23.61895	24.22419	25.38263	25.40363	25.7264	26.48095	26.45518	26.58246	28.06885
533705.8	545625.4	510024	577763.1	550423	564134.2	571817.2	508887.6	545660.4	563581.3	535893.4	507193.1
60.92532	62.286	58.22192	65.77448	62.83368	64.39888	65.27594	57.93347	62.29	64.33577	61.17504	57.74057
-87429.97	-197073.5	785219.1	1055587	1931966	1747584	1484493	1638513	1152816	1369191	1810999	2776392
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371300.1	409009.9	376556.3	426101.8	432607.4	438744.8	465880.4	427560.9	455767.6	479692.4	468786.6	446631.4
11366438	12862431	12175176	14183595	14697112	15145389	16445826	15335780	16719647	17952808	17892231	17313397
2263.8	792.89	787.69	863.93	752.12	769.49	628.23	509.4	472.45	425.64	331.27	313.03
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4569.26	4805.08	4323.51	4945.86	5063.56	4905.51	5485.81	4993.52	5432.52	5816.59	5741.11	5300.42
0.040326	0.040326	0.116666		0.041666	0.040326		0.116666	0.040326		0.041666	0.116666
1789264	1824288	1729069	1967864	1932928	1966818	2078868	1892523	2075493	2188529	2145811	2025731
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161864.6	164480.2	153700.5	169633.9	173348	177523.1	180007.1	172300.8	187473.9	191035	195412	185246
19393378	20306420	19417808	22542231	21893366	22742968	23521930	21243257	23214424	24413479	23636772	22671897
19393378	20306420	19417808	22542231	21893366	22742968	23521930	21243257	23214424	24413479	23636772	22671897
15375436	16190253	15559360	18151288	17681044	18416850	19110110	17286749	18949300	19990531	19393654	18642883
533705.8	545625.4	510024	577763.1	550423	564134.2	571817.2	508887.6	545660.4	563581.3	535893.4	507193.1
161864.6	164480.2	153700.5	169633.9	173348	177523.1	180007.1	172300.8	187473.9	191035	195412	185246
19393378	20306420	19417808	22542231	21893366	22742968	23521930	21243257	23214424	24413479	23636772	22671897
789884.5	823894.3	785437	912865.6	886181.1	925180.1	954934.7	870197.8	949449.1	997539	969967	938307.3
239.73	1459.22	1352.7	1550.92	1233.58	1342.89	1249.89	919.81	1120.18	1085.2	950.34	860.66
1.95	1.2	1.65	2.4	2.4	1.65	2.1	1.5	1.5	2.4	2.4	2.7
0.001288	0.001632	0.001049	0.001722	0.001963	0.001248	0.001496	0.001129	0.001928	0.001456	0.001939	0.003028
0.001261	0.001595	0.001039	0.001668	0.001905	0.001227	0.001455	0.001097	0.001866	0.001421	0.001875	0.002939

167.1403	28.41389	49.17665	371.7082	206.6927	344.9382	482.87	452.1341	1400.255	631.5693	1254.338	1832.462
0.705973	0.10493	0.204837	1.249099	0.7373	1.275554	1.630605	1.607937	5.413558	1.908848	3.887724	4.991097
33.15	41.94	27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46
0.03002	0.030011	0.029962	0.03001	0.030016	0.029992	0.029991	0.029983	0.029967	0.029999	0.030015	0.029978
497.25	629.1	409.95	659.7	751.05	483.75	573.75	433.8	735.75	560.25	739.35	1161.9
9671.963	12481.3	8296.044	13617.17	15812.82	10388.71	12567.92	9692.383	16767.62	13023.37	17530.39	28100.27
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588.5948	759.5753	504.8534	828.7151	962.3204	632.2129	764.8661	589.8379	1020.412	792.5857	1066.808	1710.084
25491.6	25491.6	25491.6	25561.44	25491.6	25491.6	25491.6	25561.44	25491.6	25491.6	25491.6	25561.44
2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91
26280	26280	26280	26352	26280	26280	26280	26352	26280	26280	26280	26352
3	3	3	3	3	3	3	3	3	3	3	3
33.15	41.94	27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46
74.28458	41.04228	54.74397	85.40086	117.2618	54.67745	87.14242	53.33102	68.9037	96.1753	94.32542	138.5454
40.23748	25.25679	35.42257	52.55438	53.60541	37.59075	48.79976	35.55402	36.2651	59.1848	60.36827	69.2727
10260.56	13240.87	8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35
15341.63	22195.36	19560.58	19133.98	23731.49	23655.15	19362.9	17617.53	25187.13	18163.25	32406.06	42727.57
5081.075	8954.492	10759.68	4688.092	6956.345	12634.23	6030.113	7335.311	7399.096	4347.303	13808.86	12917.22
15341.63	22195.36	19560.58	19133.98	23731.49	23655.15	19362.9	17617.53	25187.13	18163.25	32406.06	42727.57
11.05	13.98	9.11	14.66	16.69	10.75	12.75	9.64	16.35	12.45	16.43	25.82
10093.42	13212.46	8751.721	14074.18	16568.45	10675.99	12849.92	9830.087	16387.78	13184.38	17342.86	27977.89
15035.19	22164.03	19465.16	18572.43	23466.21	22843.4	18657.32	17040.74	22895.57	17192.05	30116.71	39999.33
0.39	0.24	0.329425	0.479897	0.479945	0.328155	0.419562	0.29948	0.295799	0.478338	0.448304	0.509032
32.61	41.85	27.17729	42.84835	49.45307	31.24062	36.86471	27.64832	45.18884	35.64262	45.9655	72.69848
		322.0233	328.4649	335.0338	341.7341	348.5697	355.5402	362.651	369.905	377.3017	384.8484
		6.440466	3.284648	3.350337	6.834681	17.42848	7.110803	10.87953	7.398099	18.86508	15.39393
33.15	41.94	27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46
0.003784	0.004787	0.003119	0.005006	0.005715	0.003681	0.004366	0.003292	0.005599	0.004263	0.005626	0.008818
5081.075	8954.492	10759.68	4688.092	6956.345	12634.23	6030.113	7335.311	7399.096	4347.303	13808.86	12917.22
5081.075	8954.492	10759.68	4688.092	6956.345	12634.23	6030.113	7335.311	7399.096	4347.303	13808.86	12917.22
0.54	0.09	0.152711	1.131653	0.61693	1.009376	1.385289	1.271682	3.861162	1.707382	3.324496	4.761518
167.1403	28.41389	49.17665	371.7082	206.6927	344.9382	482.87	452.1341	1400.255	631.5693	1254.338	1832.462
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2583.378	3558.62	2084.699	3955.453	4298.637	2619.084	3355.825	2537.255	4582.027	3772.947	4784.983	7814.174
2.04	2.16	1.3	3	3.57	1.3	2.3	1.82	2.57	2.51	2.94	4.44
10260.56	13240.87	8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35
10260.56	13240.87	8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35
10260.56	13240.87	8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35
33.15	41.94	27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46
10260.56	13240.87	8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35
11.52975	11.46111	11.46652	11.44916	11.44263	11.41923	11.45418	11.45585	11.45777	11.47544	11.48055	11.45915
0.673577	0.702151	0.702348	0.708526	0.716252	0.723444	0.707737	0.71019	0.702782	0.694523	0.692199	0.701838
0.608806	0.570481	0.634607	0.640452	0.581824	0.653731	0.640002	0.577386	0.635078	0.627769	0.62556	0.634231
5603488	5351918	6066573	6254593	5787842	6619489	6638348	6102192	6846362	6916729	7031741	7261154
24898.26	22925.47	25925.64	26352.69	23547.99	26818.67	26396.72	23554.48	26302.3	26132.32	26182.16	26681.93
229325.1	214889.1	239043.9	241906.7	219161.6	246247.8	241076.3	218085.9	239221.3	236468.2	235636	239556.9
0.046653	0.046636	0.046663	0.046644	0.046644	0.046634	0.046649	0.046655	0.046627	0.046637	0.046635	0.046645
2636527	2456515	2732685	2762160	2498581	2803939	2753109	2489424	2734443	2707358	2698974	2738639
2721112	2607439	2975787	3068528	2882125	3314029	3366917	3113938	3550314	3662953	3779821	3943643
2.04832	2.096704	2.139568	2.177912	2.224577	2.267402	2.314947	2.354378	2.407412	2.451893	2.502993	2.546514
2683458	2546177	2866859	2949710	2683726	3048723	3013553	2749071	3028123	2983238	2974809	3030578
340425	306062.8	340418.1	341386	305964.4	340379.4	340588.4	307104.3	340393.6	340478.7	340431.4	341284.6
38.8613	34.93868	38.86051	38.86453	34.92744	38.8561	38.87995	34.96178	38.85772	38.86743	38.86204	38.85298
376680	376680	376680	377712	376680	376680	376680	377712	376680	376680	376680	377712
43	43	43	43	43	43	43	43	43	43	43	43
229325.1	214889.1	239043.9	241906.7	219161.6	246247.8	241076.3	218085.9	239221.3	236468.2	235636	239556.9
303.8872	283.0763	315.4787	320.8087	299.8679	332.7984	340.992	318.0557	354.927	362.4233	370.3836	376.1022
24.58316	25.01753	25.53674	25.96476	26.49844	26.9577	27.60081	28.0795	28.7172	29.28168	29.91688	30.37888
5738925	5469823	6198443	6386079	5906523	6750306	6768575	6220938	6979922	7051364	7169144	7401892
7804354	7473282	8737626	9250301	8938401	9948859	9856484	9154752	10000990	10153687	10434813	11110735
2065429	2003459	2539183	2864221	3031879	3198553	3087909	2933814	3021068	3102324	3265669	3708843
7804354	7473282	8737626	9250301	8938401	9948859	9856484	9154752	10000990	10153687	10434813	11110735
7915.64	7117.17	7915.58	7938.58	7114.65	7915.01	7919.79	7140.97	7915.25	7917.05	7916.09	7936.36
23527.37	14438.67	15117.3	12809.77	8128.626	6747.928	4894.397	2892.295	2394.67	1400.69	939.4592	535.132

26120.8	15947.83	17122.45	14700.29	9842.531	8318.6	5700.214	3521.81	2894.48	1735.345	1144.298	638.7213
11.22971	10.70284	10.19503	9.727805	9.463902	8.753626	8.25238	6.983523	7.136287	5.778329	4.383945	3.872021
976.4524	588.667	608.5576	503.3237	314.6975	257.2686	182.4057	106.4304	86.12227	49.21748	32.67005	18.38953
19.03296	23.7021	23.92333	25.24454	26.12216	27.12707	25.06559	25.87347	23.0115	27.45326	27.72217	27.48069
18.34357	22.62394	23.36034	24.30334	25.80904	26.93624	24.84254	25.82359	22.97966	27.36182	27.67471	27.47005
229325.1	214889.1	239043.9	241906.7	219161.6	246247.8	241076.3	218085.9	239221.3	236468.2	235636	239556.9
26.17866	24.53072	27.28811	27.53947	25.01845	28.11047	27.52012	24.82763	27.30837	26.99408	26.89909	27.27196
687316	719438.7	1110809	1420440	1725870	1732934	1648859	1632592	1591775	1687187	1854915	2277356
687316	719438.7	1110809	1420440	1725870	1732934	1648859	1632592	1591775	1687187	1854915	2277356
228348.6	214300.4	238435.3	241403.4	218846.9	245990.5	240893.9	217979.5	239135.2	236418.9	235603.4	239538.5
5603488	5351918	6066573	6254593	5787842	6619489	6638348	6102192	6846362	6916729	7031741	7261154
5.65	0.17	0.08	0.06	0.48		0.01	0.07	0.04		0.04	
-2065429	-2003459	-2539183	-2864221	-3031879	-3198553	-3087909	-2933814	-3021068	-3102324	-3265669	-3708843
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260.04	106.17	188.71	62.12	99.13	111	90.79	187.3	261.49	77.36	119.1	206.87
0.051433	0.146863	0.051437	0.051437	0.146863	0.051437	0.051437	0.146863	0.051433	0.051433	0.051433	0.051433
1722757	1603807	1792008	1825949	1696023	1892644	1929542	1793753	1996707	2031033	2063138	2097983
28.96	26.25	29.04	28.94	26.43	29.08	28.8	26.1	28.97	28.85	28.97	29.18
111909.6	103466.2	116752.4	118677.2	110552	124069.2	125332.1	115853.7	131165.2	133234.2	136464.1	140202.3
7117038	6753843	7626817	7829860	7212531	8215925	8207625	7522160	8409215	8466500	8579898	8833379
7117038	6753843	7626817	7829860	7212531	8215925	8207625	7522160	8409215	8466500	8579898	8833379
5404570	5153617	5842646	6018238	5565851	6362752	6380470	5863009	6578436	6646191	6754630	6974221
229325.1	214889.1	239043.9	241906.7	219161.6	246247.8	241076.3	218085.9	239221.3	236468.2	235636	239556.9
111909.6	103466.2	116752.4	118677.2	110552	124069.2	125332.1	115853.7	131165.2	133234.2	136464.1	140202.3
7117038	6753843	7626817	7829860	7212531	8215925	8207625	7522160	8409215	8466500	8579898	8833379
222445.3	212740.2	239043.9	249163.9	230119.7	263485.1	262773.1	242075.3	270320.1	271938.4	278050.5	287468.3
0.7	1.61	2.05	0.37	1.32	0.5	0.44	0.45	0.46	0.06	0.34	0.18
1.95	1.2	1.5	2.4	2.4	1.65	2.1	1.5	1.5	2.4	2.4	2.7
0.001271	0.001634	0.001062	0.001762	0.001983	0.001234	0.001529	0.001082	0.001942	0.001425	0.002024	0.003045
0.001245	0.001583	0.00105	0.001707	0.001921	0.001204	0.001482	0.001039	0.001851	0.001388	0.001961	0.002962
160.3924	28.41389	54.89797	351.4339	201.0203	260.2485	440.356	392.1925	1083.962	511.9202	1193.897	1823.572
0.676516	0.10493	0.22804	1.171822	0.716822	0.999729	1.46633	1.387679	4.223751	1.579913	3.693819	4.924459
32.73	41.61	27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06

0.030087	0.030027	0.030002	0.030027	0.030007	0.030047	0.030077	0.030047	0.030032	0.029993	0.030014	0.03004
490.95	624.15	414	675	757.35	474.75	584.55	410.85	729.9	547.2	773.1	1170.9
9549.422	12383.09	8378.003	13932.98	15945.46	10195.43	12804.5	9179.612	16634.3	12720.01	18330.62	28317.93
2.682498	1.683785	2.146822	3.503625	3.573693	2.506049	3.253317	2.370267	2.417673	3.945653	4.024551	4.61818
581.1375	753.5987	509.841	847.935	970.3926	620.4508	779.2636	558.6327	1012.298	774.1238	1115.506	1723.331
25491.6	25491.6	25491.6	25561.44	25491.6	25491.6	25491.6	25561.44	25491.6	25491.6	25491.6	25561.44
2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91
26280	26280	26280	26352	26280	26280	26280	26352	26280	26280	26280	26352
3	3	3	3	3	3	3	3	3	3	3	3
32.73	41.61	27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06
74.28458	41.04228	54.74397	82.11621	117.2618	54.67745	87.14242	53.33102	68.9037	92.47625	94.32542	138.5454
40.23748	25.25679	32.20233	52.55438	53.60541	37.59075	48.79976	35.55402	36.2651	59.1848	60.36827	69.2727
10130.56	13136.69	8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26
15094.77	22032.81	19673.83	19591.03	23895.56	23423.46	19729.54	16479.24	25029.38	17658.26	33827.55	43389.38
4964.212	8896.124	10785.99	4810.11	6979.7	12607.58	6145.777	6740.997	7382.784	4164.124	14381.42	13348.12
15094.77	22032.81	19673.83	19591.03	23895.56	23423.46	19729.54	16479.24	25029.38	17658.26	33827.55	43389.38
10.91	13.87	9.2	15	16.83	10.55	12.99	9.13	16.22	12.16	17.18	26.02
9970.167	13108.27	8832.946	14429.48	16714.84	10555.64	13143.4	9346.052	16562.64	12982.21	18252.23	28217.69
14807.51	22001.48	19595.62	19059.19	23639.17	22707.59	19095.14	15973.35	23184.78	16909.11	31636.06	40703.86
0.389851	0.24	0.299967	0.479828	0.48	0.329422	0.416357	0.29985	0.298522	0.479876	0.449949	0.508227
32.2118	41.52	27.42952	43.93007	49.89	30.88845	37.70668	26.28691	45.67101	35.09608	48.3757	73.32158
315.4815		322.0233	392.1347		343.3972	348.5697	355.5402	362.651	369.905	377.3017	388.9591
9.464446		3.220233	7.842694		3.433971	17.42848	7.110803	10.87953	3.699049	7.546033	15.55836
32.73	41.61	27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06
0.003736	0.00475	0.00315	0.005122	0.005763	0.003613	0.004448	0.003118	0.005554	0.004164	0.005883	0.008886
4964.212	8896.124	10785.99	4810.11	6979.7	12607.58	6145.777	6740.997	7382.784	4164.124	14381.42	13348.12
4964.212	8896.124	10785.99	4810.11	6979.7	12607.58	6145.777	6740.997	7382.784	4164.124	14381.42	13348.12
0.518198	0.09	0.170478	1.069928	0.6	0.761552	1.263322	1.103089	2.988993	1.383923	3.164302	4.738416
160.3924	28.41389	54.89797	351.4339	201.0203	260.2485	440.356	392.1925	1083.962	511.9202	1193.897	1823.572
0.54	0.04	0.27	0.61	0.73	0.19	0.46	0.02	0.07	0.51	0.52	0.58
-4964.212	-8896.124	-10785.99	-4810.11	-6979.7	-12607.58	-6145.777	-6740.997	-7382.784	-4164.124	-14381.42	-13348.12
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0.01			0.04		0.01						0.03
2552.464	3527.64	2102.863	4054.99	4318.91	2562.581	3419.369	2395.554	4549.015	3683.868	5007.062	7873.031

2.03	2.19	1.31	3.08	3.58	1.25	2.34	1.76	2.47	2.49	3.03	4.44
10130.56	13136.69	8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26
10130.56	13136.69	8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26
10130.56	13136.69	8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26
32.73	41.61	27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06
10130.56	13136.69	8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26
13.82322	13.67835	13.2485	13.27381	12.84472	13.115	13.4108	13.54736	13.82716	14.13707	13.8548	13.71238
0.055836	0.051015	0.052609	0.055295	0.055698	0.05363	0.056245	0.058967	0.057481	0.059605	0.061847	0.058825
0.054168	0.049575	0.050989	0.053593	0.054025	0.052212	0.05459	0.057192	0.055802	0.05785	0.06006	0.057104
121808.7	137794.4	168622.7	168558.8	225471.1	251929.4	281838.2	379698.4	378185.8	389517.7	488486.7	546229.4
453.2302	492.9862	592.4781	565.1342	756.8851	817.3411	906.1795	1249.682	1203.219	1175.845	1468.902	1674.348
23725.8	21713.9	22333.4	23538.2	23663.3	22869	23910.6	25118.9	24441.3	25338.6	26306.7	25080.4
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341728.2	311999.5	321281.8	338749	340951.3	328774.2	344364.6	361656.1	351946.5	364918.2	379250.7	361637.6
1495317	1315547	1508272	1649606	1850356	1758256	1846077	1950607	1886898	2011581	2153806	2116719
3.850325	3.9466	4.109655	4.257417	4.471487	4.592156	4.71935	4.855839	4.82593	5.119169	5.270615	5.32413
29063.11	33272.48	36593.98	35049.88	42570.54	48439.24	54094.93	71567.02	72726.73	71358.7	88837.03	95337.12
424860	424860	424860	426028.8	424860	424860	424860	426028.8	424860	424860	424860	426028.8
48.5	48.5	48.5	48.50055	48.5	48.5	48.5	48.50055	48.5	48.5	48.5	48.50055
438000	438000	438000	439200	438000	438000	438000	439200	438000	438000	438000	439200
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23725.8	21713.9	22333.4	23538.2	23663.3	22869	23910.6	25118.9	24441.3	25338.6	26306.7	25080.4
497.6748	505.5606	553.6359	580.4098	605.6892	639.0042	606.0481	658.7863	649.77	652.2663	643.4645	652.1865
55.31461	56.65714	59.10006	61.18313	64.36626	65.88591	67.83937	69.75827	69.29557	73.55834	76.05051	76.60212
1501418	1321384	1514208	1656133	1857232	1764728	1853106	1958175	1894170	2019411	2162020	2125009
2641399	2297547	2551443	2873623	3249992	2923131	3172797	3257611	3240090	3458259	3902627	4027723
1139981	976163.4	1037235	1217490	1392760	1158402	1319692	1299435	1345920	1438848	1740606	1902714
2641399	2297547	2551443	2873623	3249992	2923131	3172797	3257611	3240090	3458259	3902627	4027723
4691.62	4755.4	4648.78	4751.23	4557.55	4860.86	4621.76	4936.45	5033.66	4881.03	4764.83	4505.32
1379609	1183589	1345585	1487574	1631761	1512799	1571267	1578477	1515984	1629893	1673533	1578779
2416135	2076421	2257713	2567015	2858904	2509523	2669836	2619872	2568339	2788296	3054136	2997049
22.38618	21.91552	21.17909	21.63338	20.49547	20.71382	20.92636	20.79027	21.24774	22.14601	21.12458	20.40914
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68.12234	69.66445	76.05415	79.42519	86.27046	83.7429	87.67096	88.96623	86.33245	92.20232	97.02375	98.7638
58.47136	64.02188	66.05104	67.46889	72.25734	75.27586	77.89463	81.42524	82.58159	87.21409	87.21404	92.63648
23725.8	21713.9	22333.4	23538.2	23663.3	22869	23910.6	25118.9	24441.3	25338.6	26306.7	25080.4
2.708424	2.478755	2.549474	2.679667	2.701289	2.610616	2.72952	2.859619	2.790102	2.892534	3.003047	2.855236
1139981	976163.4	1037235	1217490	1392760	1158402	1319692	1299435	1345920	1438848	1740606	1902714
1139981	976163.4	1037235	1217490	1392760	1158402	1319692	1299435	1345920	1438848	1740606	1902714
2047.974	2349.568	2580.601	2470.219	3001.416	3418.38	3812.619	5043.586	5115.674	5021.185	6247.582	6702.715
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370.19	320.73	342.52	355.45	356.58	335.92	355.84	369.4	348.04	366.64	370.25	341.55
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14.14	15.84	18.75	17.73	22.03	24.27	27.44	37.12	41.11	40.6	51.96	56.31
208648	190893.5	205176.8	217100.8	226542.8	221329.4	237533.6	251322.5	249189.7	262863.6	282121.9	271191.7
4.38	4.68	4.36	4.62	4.62	4.5	4.5	4.84	4.48	4.71	4.46	4.76
2593.278	2821.914	2633.572	2933.829	3010.147	2971.31	3053.592	3338.908	3071.257	3351.522	3283.892	3489.128
1501418	1321384	1514208	1656133	1857232	1764728	1853106	1958175	1894170	2019411	2162020	2125009
1501418	1321384	1514208	1656133	1857232	1764728	1853106	1958175	1894170	2019411	2162020	2125009
1495317	1315547	1508272	1649606	1850356	1758256	1846077	1950607	1886898	2011581	2153806	2116719
23725.8	21713.9	22333.4	23538.2	23663.3	22869	23910.6	25118.9	24441.3	25338.6	26306.7	25080.4
2593.278	2821.914	2633.572	2933.829	3010.147	2971.31	3053.592	3338.908	3071.257	3351.522	3283.892	3489.128
1501418	1321384	1514208	1656133	1857232	1764728	1853106	1958175	1894170	2019411	2162020	2125009
3507.9	3015.179	3302.11	3593.538	3866.04	3500.668	3974.696	4229.735	4200.369	4478.232	4930.605	4800.48
	0.25	0.33	0.09	0.03	0.24	0.13	0.46	0.3	0.46	0.38	0.26
1.95	1.2	1.65	2.4	2.4	1.65	2.1	1.5	1.5	2.4	2.4	2.7
0.00126	0.001679	0.001063	0.001741	0.001907	0.001236	0.001473	0.001116	0.001982	0.001407	0.001981	0.003003
0.001214	0.00164	0.00103	0.001676	0.001861	0.001206	0.001434	0.001095	0.001941	0.001365	0.001925	0.002933
154.186	26.40033	64.40467	359.1765	253.3151	384.0347	471.6152	454.924	1417.747	728.0357	1550.716	2204.595
0.652406	0.098211	0.268134	1.18728	0.90075	1.450621	1.576088	1.586589	5.437995	2.209545	4.793053	5.902014
42.56	57.48	36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08
0.029896	0.029968	0.029887	0.029941	0.029924	0.029971	0.029894	0.029915	0.029941	0.029962	0.029903	0.029955
638.4	862.2	541.8	883.8	978.6	634.2	754.2	577.2	1020.6	717.6	1012.2	1546.2
12417.46	17105.98	10964.26	18242.92	20603.72	13619.68	16520.66	12896.37	23259.31	16681.07	23999.81	37394.47
2.682498	1.683785	2.361504	3.503625	3.573693	2.506049	3.253317	2.370267	2.417673	3.945653	4.024551	4.61818

755.6741	1041.02	667.2267	1110.23	1253.88	828.836	1005.424	784.8188	1415.47	1015.189	1460.503	2275.697
33990.68	33988.8	33990.68	34082.88	33990.68	33988.8	33990.68	34082.88	33990.68	33988.8	33990.68	34082.88
3.880214	3.88	3.880214	3.880109	3.880214	3.88	3.880214	3.880109	3.880214	3.88	3.880214	3.880109
35040	35040	35040	35136	35040	35040	35040	35136	35040	35040	35040	35136
4	4	4	4	4	4	4	4	4	4	4	4
42.56	57.48	36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08
74.28458	41.04228	57.9642	85.40086	117.2618	54.67745	87.14242	53.33102	68.9037	92.47625	94.32542	138.5454
40.23748	25.25679	35.42257	52.55438	53.60541	37.59075	48.79976	35.55402	36.2651	59.1848	60.36827	69.2727
13173.13	18147	11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17
19638.05	30296.71	25650	25649.71	30848.52	31259.63	25499.01	23459.06	34972.04	23125.42	43888.43	57329.47
6464.922	12149.71	14018.52	6296.563	8990.913	16811.11	7972.925	9777.871	10297.27	5429.167	18428.11	17659.3
19638.05	30296.71	25650	25649.71	30848.52	31259.63	25499.01	23459.06	34972.04	23125.42	43888.43	57329.47
10.64	14.37	9.03	14.73	16.31	10.57	12.57	9.62	17.01	11.96	16.87	25.77
13018.95	18120.6	11567.08	18993.97	21604.29	14064.48	17054.47	13226.26	23257.03	16968.22	23909.6	37465.57
19378.91	30267.34	25581.45	25092.24	30527.93	30271.27	24820.98	22862.18	32651.35	22003.7	41026.03	54085.83
0.519144	0.319721	0.44	0.635146	0.639432	0.439321	0.559517	0.39898	0.39707	0.639297	0.596271	0.678901
42.06185	57.39638	35.92	57.8265	64.48391	41.15622	48.927	37.20047	64.1306	45.87183	63.36998	97.35152
366.1823	333.8046	343.0131	426.1589	394.6905	562.0336	414.3002	433.6311	476.0417	488.6267	588.874	460.9376
14.64729	6.676091	3.430131	21.30795	15.78762	22.48134	24.85801	21.68156	28.5625	29.3176	41.22118	46.09376
42.56	57.48	36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08
0.004858	0.006561	0.004123	0.006707	0.007447	0.004826	0.005739	0.00438	0.007767	0.005461	0.007703	0.011734
6464.922	12149.71	14018.52	6296.563	8990.913	16811.11	7972.925	9777.871	10297.27	5429.167	18428.11	17659.3
6464.922	12149.71	14018.52	6296.563	8990.913	16811.11	7972.925	9777.871	10297.27	5429.167	18428.11	17659.3
0.498146	0.083622	0.2	1.0935	0.756088	1.123782	1.353001	1.279529	3.909396	1.968169	4.110017	5.728478
154.186	26.40033	64.40467	359.1765	253.3151	384.0347	471.6152	454.924	1417.747	728.0357	1550.716	2204.595
10.45	14.29	8.88	14.39	16.02	10.21	12.14	9.27	16.02	11.39	15.81	24.3
-6464.922	-12149.71	-14018.52	-6296.563	-8990.913	-16811.11	-7972.925	-9777.871	-10297.27	-5429.167	-18428.11	-17659.3
-25843.83	-42417.05	-39599.96	-31388.81	-39518.85	-47082.38	-32793.91	-32640.05	-42948.62	-27432.87	-59454.14	-71745.13
0.09	0.02	0.05	0.25	0.17	0.27	0.31	0.29	0.87	0.45	0.95	1.33
2489.913	3671.521	2068.58	3979.335	4190.231	2568.789	3318.627	2531.37	4763.915	3626.237	4927.05	7781.097
1.97	2.22	1.33	2.96	3.56	1.25	2.29	1.8	2.6	2.43	3	4.4
13173.13	18147	11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17
13173.13	18147	11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17
13173.13	18147	11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17

42.56	57.48	36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08
13173.13	18147	11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17
10.35317	10.31729	10.33822	10.33201	10.36026	10.32189	10.34558	10.36219	10.36133	10.36148	10.36642	10.3492
0.499807	0.523085	0.513282	0.513763	0.503614	0.521645	0.511546	0.498849	0.492182	0.486691	0.483603	0.496151
0.461041	0.434127	0.473456	0.474179	0.464959	0.481232	0.424465	0.460496	0.454351	0.449093	0.446072	0.45773
5917145	5862272	6655105	6954352	7177965	7559171	6859255	7627634	7684194	7776243	7889908	8259232
25743.06	24592.03	27855.26	28727.62	29109.58	30013.13	26398.9	29370.63	29026.4	28886.79	28864.6	29878.29
236669	222853.1	243042.1	244080.5	238680.4	247034.1	217893.6	237037.2	233234.7	230535.6	228984.9	235613.1
0.057131	0.057186	0.057165	0.057071	0.05717	0.057164	0.057202	0.057081	0.057153	0.057167	0.057172	0.05708
2440139	2290887	2501318	2511766	2459212	2539446	2242575	2443733	2406971	2380648	2365886	2429968
2523065	2433557	2724394	2793095	2847884	3009782	2749292	3061374	3126050	3227221	3316013	3503539
2.503245	2.615134	2.722917	2.818829	2.937382	2.995024	3.056842	3.111176	3.178888	3.238948	3.306223	3.365266
3592373	3562558	4082651	4292608	4393874	4607063	4117368	4546565	4521977	4496330	4506302	4678174
473501.5	426078.8	473556.6	474913.2	473608.7	473456.9	425844.4	474893.2	473588.8	473561.8	473520.8	474824.1
54.05268	48.63914	54.05897	54.0657	54.06492	54.0476	48.61238	54.06344	54.06265	54.05957	54.05489	54.05556
513336	513336	513336	514742.4	513336	513336	513336	514742.4	513336	513336	513336	514742.4
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
236669	222853.1	243042.1	244080.5	238680.4	247034.1	217893.6	237037.2	233234.7	230535.6	228984.9	235613.1
359.2889	339.774	386.6606	399.4618	417.6187	423.621	397.6814	444.9771	452.89	464.2329	473.6177	481.2472
26.4035	27.4789	28.66226	29.64314	30.95553	31.4499	32.16979	32.79645	33.51967	34.14599	34.87468	35.43562
6805146	6637329	7526275	7820924	7986257	8385440	7568073	8400129	8452861	8543773	8658238	9040773
9225194	8768690	10144766	10686214	11193445	11525191	10370593	11479228	11329518	11528762	11897529	12780313
2420048	2131361	2618492	2865290	3207188	3139751	2802520	3079099	2876656	2984989	3239291	3739541
9225194	8768690	10144766	10686214	11193445	11525191	10370593	11479228	11329518	11528762	11897529	12780313
8078.7	7270.42	8080.23	8103.14	8081.41	8078.68	7265.49	8102.53	8081.05	8080.53	8079.93	8101.5
314260.4	245269.9	275891.6	258273	190293.1	191072	127246.3	113045.5	99109.2	83324.22	69798.41	66205.67
442960.2	324782.5	377606.9	354696.1	256281.2	254259.5	164176.5	148494.3	127344.5	108898.5	90152.83	84511.22
20.7505	19.816	20.01425	19.95114	19.1595	19.04809	18.50968	17.70872	17.90046	17.55506	16.85583	16.89995
12154.61	9099.541	9851.661	8888.117	6282.449	6187.704	4034.192	3524.97	3025.73	2493.09	2052.738	1913.914
22.50177	24.27003	23.94626	26.57985	26.58936	27.50311	28.52376	26.18437	27.45193	28.75468	28.44232	28.04245
21.78336	23.79256	23.54616	25.89049	26.22363	27.12428	28.12817	26.05405	27.19988	28.52482	28.30039	27.9706
236669	222853.1	243042.1	244080.5	238680.4	247034.1	217893.6	237037.2	233234.7	230535.6	228984.9	235613.1
27.01701	25.43985	27.74453	27.78694	27.24662	28.20024	24.8737	26.98511	26.62497	26.31685	26.13983	26.82298

1144587	933914.3	1311053	1552390	1921758	1812382	1630326	1801760	1618532	1740624	2002642	2469396
1144587	933914.3	1311053	1552390	1921758	1812382	1630326	1801760	1618532	1740624	2002642	2469396
224514.4	213753.5	233190.4	235192.4	232398	240846.4	213859.5	233512.2	230209	228042.5	226932.2	233699.2
5917145	5862272	6655105	6954352	7177965	7559171	6859255	7627634	7684194	7776243	7889908	8259232
43.5	15.78	24.56	8.74	24.15	10.85	4.21	9.53	3.24	2.32	7.02	3.35
-2420048	-2131361	-2618492	-2865290	-3207188	-3139751	-2802520	-3079099	-2876656	-2984989	-3239291	-3739541
-2863008	-2456143	-2996099	-3219986	-3463469	-3394010	-2966697	-3227594	-3004001	-3093887	-3329444	-3824052
482.36	589.59	1071.04	400.25	611.93	637.68	373.64	1130.78	509.93	413	652.65	1151
0.021509	0.119444	0.021509	0.021509	0.021509	0.021509	0.119444	0.021509	0.021509	0.021509	0.021509	0.021509
1652776	1540417	1718714	1752045	1785723	1815759	1689386	1883491	1915666	1948692	1980797	2013512
32.73	29.63	32.64	32.7	32.57	32.82	29.46	32.75	32.6	32.66	32.69	32.82
573740.2	529786.8	595277.9	608299.8	617998.8	635197.3	581571.3	659449.7	669558	684206.1	698531.4	715335.5
8080606	7834775	8833714	9133824	9271687	9712809	8740267	9677468	9710985	9788138	9894886	10310917
8080606	7834775	8833714	9133824	9271687	9712809	8740267	9677468	9710985	9788138	9894886	10310917
6115438	5996115	6807045	7085703	7241758	7616845	6866660	7607938	7648027	7723551	7822316	8181713
236669	222853.1	243042.1	244080.5	238680.4	247034.1	217893.6	237037.2	233234.7	230535.6	228984.9	235613.1
573740.2	529786.8	595277.9	608299.8	617998.8	635197.3	581571.3	659449.7	669558	684206.1	698531.4	715335.5
8080606	7834775	8833714	9133824	9271687	9712809	8740267	9677468	9710985	9788138	9894886	10310917
115967.8	111426.5	123951.5	126921.9	126500.6	133398.4	119841.5	132740.8	135276.1	136016	137390.9	143724
3.12	53.37	86.58	19.99	55.95	39.04	15.48	46.17	16.89	10.51	29.9	30.11
13.35	13.5	12.3	13.2	12.75	12.9	12.45	12.75	13.2	13.95	13.2	13.35
0.051645	0.046118	0.048044	0.050551	0.05176	0.049156	0.051933	0.054468	0.052891	0.055058	0.057916	0.054397
0.050287	0.044831	0.046708	0.049027	0.05036	0.047737	0.050146	0.052863	0.051408	0.053344	0.056373	0.052612
20436.32	20519.02	26858.8	27608.81	36503.99	39568.31	46235.48	64331.59	68820.93	69198.48	90980.28	98104.24
75.71807	72.38672	93.23598	91.07425	120.4569	126.5616	147.7365	209.2306	217.2498	205.8624	268.0044	295.7563
6167.28	5498.08	5728.38	6029.24	6176.24	5854.52	6149.92	6500.9	6304.76	6542.2	6913.62	6470.1
0.029987	0.029996	0.029995	0.029989	0.030014	0.029993	0.029969	0.030008	0.030046	0.030008	0.029979	0.030006
92509.2	82471.2	85925.7	90438.6	92643.6	87817.8	92248.8	97513.5	94571.4	98133	103704.3	97051.5
405150.3	347536.4	403765	440947.6	504293.1	471303.1	495186.6	527313	508716.4	542284	590214.7	569412.3
3.531481	3.692401	3.666118	4.041215	4.225058	4.321291	4.217676	4.35861	4.403941	4.830648	4.760878	4.905803
4844.208	4954.711	5809.789	5711.277	6880.991	7591.155	8894.383	12217.47	13136.03	12688.28	16719.89	17245.58
118960.8	118960.8	118960.8	119286.7	118960.8	118960.8	118960.8	119286.7	118960.8	118960.8	118960.8	119286.7
13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58

122640	122640	122640	122976	122640	122640	122640	122976	122640	122640	122640	122976
14	14	14	14	14	14	14	14	14	14	14	14
6167.28	5498.08	5728.38	6029.24	6176.24	5854.52	6149.92	6500.9	6304.76	6542.2	6913.62	6470.1
252.0946	251.6413	269.7445	283.7555	306.9862	326.8624	298.2487	324.8577	325.7763	323.1961	328.3243	329.7947
53.8341	56.23331	55.8715	61.36192	64.27663	65.74104	63.89261	66.18159	67.22007	73.32848	72.29735	74.46098
407197.8	349741.4	405833.5	443121.1	506403.6	473403.1	497339.1	529486.5	510973.9	544667.5	592409.2	571774.8
713545.9	611004.2	695695.5	766693	883857.5	782857.4	848898.8	876303.9	869534.1	927765.5	1062330	1083275
306348.1	261262.7	289862	323571.9	377453.9	309454.4	351559.7	346817.4	358560.2	383098	469920.7	511500.3
713545.9	611004.2	695695.5	766693	883857.5	782857.4	848898.8	876303.9	869534.1	927765.5	1062330	1083275
2668.96	2638.14	2434.5	2679.36	2422.52	2675.03	2446.6	2683.18	2772.36	2551.84	2559.18	2440.43
386761.5	329222.4	378974.7	415512.3	469899.6	433834.8	451103.6	465154.9	442153	475469	501429	473670.5
675477.1	578962.5	648983.1	717780.8	821422.7	720177.3	765897.1	767323.9	746524.7	810144.2	903660.7	897896.5
12.33442	12.44005	11.37121	12.18438	11.6949	11.80414	11.39464	11.60339	12.03068	12.73478	11.92204	12.03576
5844.333	5167.766	5341.061	5648.488	5717.507	5348.443	5556.961	5686.402	5429.025	5696.315	5798.961	5320.395
64.45526	67.2338	73.39895	75.51943	81.63926	80.05434	82.25266	83.45662	81.73068	84.38503	86.72857	90.19552
47.35738	50.0701	51.16366	54.26301	58.65391	60.64201	62.39011	67.48274	61.10208	74.92682	71.81488	76.38951
6167.28	5498.08	5728.38	6029.24	6176.24	5854.52	6149.92	6500.9	6304.76	6542.2	6913.62	6470.1
0.704027	0.627634	0.653924	0.686388	0.70505	0.668324	0.702045	0.740084	0.719721	0.746826	0.789226	0.736577
306348.1	261262.7	289862	323571.9	377453.9	309454.4	351559.7	346817.4	358560.2	383098	469920.7	511500.3
306348.1	261262.7	289862	323571.9	377453.9	309454.4	351559.7	346817.4	358560.2	383098	469920.7	511500.3
322.9472	330.3141	387.3192	380.7518	458.7327	506.077	592.9589	814.4979	875.7353	845.8852	1114.659	1149.705
20436.32	20519.02	26858.8	27608.81	36503.99	39568.31	46235.48	64331.59	68820.93	69198.48	90980.28	98104.24
122.53	126.52	122.32	126.2	117.11	129.3	119.65	127.35	118.51	124.03	117.46	106.39
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4.56	5.79	6.54	6.29	7.47	9.31	9.17	12.97	14.44	14.02	19.27	18.42
110431.5	100953.5	108630.1	114378.7	119917.3	117641.6	124522.5	133047.8	131376	138531.8	149853.4	141069.6
1.95	2.1	1.97	2.07	2.01	2	2.05	2.07	2.15	2.27	2.09	2.25
2047.5	2205	2068.5	2173.5	2110.5	2100	2152.5	2173.5	2257.5	2383.5	2194.5	2362.5
407197.8	349741.4	405833.5	443121.1	506403.6	473403.1	497339.1	529486.5	510973.9	544667.5	592409.2	571774.8
407197.8	349741.4	405833.5	443121.1	506403.6	473403.1	497339.1	529486.5	510973.9	544667.5	592409.2	571774.8
405150.3	347536.4	403765	440947.6	504293.1	471303.1	495186.6	527313	508716.4	542284	590214.7	569412.3
6167.28	5498.08	5728.38	6029.24	6176.24	5854.52	6149.92	6500.9	6304.76	6542.2	6913.62	6470.1
2047.5	2205	2068.5	2173.5	2110.5	2100	2152.5	2173.5	2257.5	2383.5	2194.5	2362.5

407197.8	349741.4	405833.5	443121.1	506403.6	473403.1	497339.1	529486.5	510973.9	544667.5	592409.2	571774.8
	0.21	0.07	0.06	0.01	0.16	0.09	0.28	0.24	0.19	0.22	0.23
11.01048	10.9618	10.96662	10.96702	10.97248	10.94227	10.99409	10.97242	10.98818	10.99731	11.01057	10.98193
0.356681	0.360294	0.362543	0.372857	0.364102	0.376299	0.368476	0.358626	0.363987	0.363986	0.358988	0.359755
0.335567	0.329825	0.33309	0.355321	0.338728	0.354043	0.345641	0.325639	0.342455	0.346832	0.337791	0.330473
23534838	24918222	25891366	28345383	28888681	30684984	31361415	30941260	32996749	34441410	34943747	35223870
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1079117	1060653	1071152	1145773	1089283	1138531	1111512	1050058	1101267	1115344	1086268	1065646
0.03452	0.034523	0.034525	0.034502	0.034525	0.034516	0.034523	0.034504	0.034525	0.034515	0.034519	0.034501
11845208	11599612	11707858	12529206	11907863	12421960	12180715	11481428	12068829	12238936	11933568	11677319
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3025390	2943726	2954139	3072689	2991616	3025597	3016705	2927749	3025951	3064335	3025867	2962225
345.3641	336.0418	337.2305	349.8053	341.5086	345.3878	344.3727	333.3047	345.4281	349.81	345.4186	337.2296
3215796	3215796	3215796	3224606	3215796	3215796	3215796	3224606	3215796	3215796	3215796	3224606
367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1
1079117	1060653	1071152	1145773	1089283	1138531	1111512	1050058	1101267	1115344	1086268	1065646
2403.247	2279.275	2469.882	2695.727	2886.464	2769.094	2798.472	2754.676	2904.95	3019.88	3057.529	3232.454
29.85292	30.72137	31.61807	32.64712	33.82863	34.11634	34.9676	35.76966	36.27828	37.10117	38.02781	38.63619
33305013	33513555	34927562	38546850	38184620	40082293	40068707	38802886	41217800	42713165	42614297	42527345
44131861	43535921	47082107	52291447	53714561	55065311	54700004	53373789	55449874	57707771	59161906	61228645
10826848	10022366	12154545	13744597	15529941	14983018	14631297	14570903	14232074	14994606	16547608	18701299
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35484.76	34089.16	34638.73	36115.8	34271.11	35821.31	34569.2	34422.81	35983.01	35844.19	35324.48	34413.91
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23534838	24918222	25891366	28345383	28888681	30684984	31361415	30941260	32996749	34441410	34943747	35223870
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30936739	31164158	32493432	35921931	35602543	37366013	37393404	36115278	38389913	39799191	39693462	39611849
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856205.9	806965	874617.4	906063.9	911257.5	946456.7	896381.5	957598.6	998282.6	1018873	1040552	1051599
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58094129	61316886	66340608	70759943	75423183	78345106	79897368	81945143	84259726	87234675	90953612	96774017
6128354	7158697	7987264	7854037	9160754	9644169	10680069	12430816	12782176	13198607	14471327	16427466
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6128354	7158697	7987264	7854037	9160754	9644169	10680069	12430816	12782176	13198607	14471327	16427466
5352.98	5597.38	5665.12	5465.14	5861.86	5759.56	6053.32	6467.76	6352.23	6425.54	6669.93	6847.23
231.2542	232.7362	237.6439	244.7679	248.6535	255.6806	258.7246	264.6907	277.8445	285.6166	287.3131	297.9651
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6128354	7158697	7987264	7854037	9160754	9644169	10680069	12430816	12782176	13198607	14471327	16427466
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231.2542	232.7362	237.6439	244.7679	248.6535	255.6806	258.7246	264.6907	277.8445	285.6166	287.3131	297.9651
66.59901	68.00818	71.23218	71.37891	75.61044	76.28421	79.76644	86.10228	87.15999	89.39831	93.40366	98.16086
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162978	162978	162978	162978	162978	162978	162978	162978	162978	162978	162978	162978
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217250.6	240861	118576.6	76805.58	15292.28	128922.6	355165.5	511833.4	688067.9	819752	912260.2	899523.2
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183683.4	183675.6	183676.6	183691.1	183679.5	183681.4	183672.4	183678.4	183674.1	183670.5	183678.7	183677.6
5394188	5592372	5799929	6017100	6238972	6470446	6701562	6916733	7166269	7419592	7675223	7961623
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183683.4	183675.6	183676.6	183691.1	183679.5	183681.4	183672.4	183678.4	183674.1	183670.5	183678.7	183677.6
5176937	5351511	5681353	5940295	6223680	6341524	6346397	6404899	6478201	6599840	6762963	7062100
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92457.05	92457.07	92457.06	92457.07	92457.06	92457.09	92457.09	92457.06	92457.05	92457.06	92457.05	92457.03
2577265	2668656	2818169	2960886	3095726	3167588	3153490	3201315	3229995	3300599	3381371	3538223
10.08847	17.21444	19.17249	32.74747	20.3147	16.23152	22.51765	22.472	23.4873	18.09426	26.62461	26.81785
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92457.05	92457.07	92457.06	92457.07	92457.06	92457.09	92457.09	92457.06	92457.05	92457.06	92457.05	92457.03
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2577265	2668656	2818169	2960886	3095726	3167588	3153490	3201315	3229995	3300599	3381371	3538223
2577265	2668656	2818169	2960886	3095726	3167588	3153490	3201315	3229995	3300599	3381371	3538223
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2577265	2668656	2818169	2960886	3095726	3167588	3153490	3201315	3229995	3300599	3381371	3538223
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90717.04	90717.05	90717.06	90717.06	90717.04	90717.07	90717.08	90717.07	90717.03	90717.04	90717.05	90717.04
2546599	2640921	2790663	2930602	3059590	3131905	3120415	3163740	3192397	3258782	3347379	3493608

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1543653	1674126	2456465	2959776	3538919	3418052	2752157	2418445	1994382	1849635	1801366	2251214
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	0.02		0.01								
11.01048	10.9618	10.96662	10.96702	10.97248	10.94227	10.99409	10.97242	10.98818	10.99731	11.01057	10.98193
0.356681	0.360294	0.362543	0.372857	0.364102	0.376299	0.368476	0.358626	0.363987	0.363986	0.358988	0.359755
0.335567	0.329825	0.33309	0.355321	0.338728	0.354043	0.345641	0.325639	0.342455	0.346832	0.337791	0.330473
58094129	61316886	66340608	70759943	75423183	78345106	79897368	81945143	84259726	87234675	90953612	96774017
49928696	52934975	55314491	58247397	60711770	63635974	66004325	67961210	71072233	73649369	76152465	79187886
220471.6	228853.2	234413.6	243212.1	248008.3	254980.8	259846.5	263355.5	270113.3	275364.4	279841.6	286854.3

-123278.1	-181104.6	-209928.2	-174561.9	-270436.9	-260509.3	-326903	-427651.7	-415792	-441060.7	-509419.8	-569375.4
74419898	75908296	77426437	78974447	80554491	82165580	83808865	85484482	87194771	88938667	90717411	92531152
0.03452	0.034523	0.034525	0.034502	0.034525	0.034516	0.034523	0.034504	0.034525	0.034515	0.034519	0.034501
11845208	11599612	11707858	12529206	11907863	12421960	12180715	11481428	12068829	12238936	11933568	11677319
15336464	15204684	16063215	17553794	17801171	18581917	18812489	18503219	19653900	20696698	21054737	21250731
2.587054	2.671775	2.753609	2.842875	2.94797	2.979449	3.038701	3.113782	3.153486	3.221971	3.299294	3.361466
15600274	15959474	16430217	18368137	17801372	18784096	18580915	17612058	18736013	19102493	18638725	18361117
132811.3	172871.9	186172.4	170768.4	203820.1	227884.9	236987.3	308931.1	289399.4	287412.2	337563.7	363719.8
3025390	2943726	2954139	3072689	2991616	3025597	3016705	2927749	3025951	3064335	3025867	2962225
345.3641	336.0418	337.2305	349.8053	341.5086	345.3878	344.3727	333.3047	345.4281	349.81	345.4186	337.2296
3215796	3215796	3215796	3224606	3215796	3215796	3215796	3224606	3215796	3215796	3215796	3224606
367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1
1079117	1060653	1071152	1145773	1089283	1138531	1111512	1050058	1101267	1115344	1086268	1065646
2403.247	2279.275	2469.882	2695.727	2886.464	2769.094	2798.472	2754.676	2904.95	3019.88	3057.529	3232.454
29.85292	30.72137	31.61807	32.64712	33.82863	34.11634	34.9676	35.76966	36.27828	37.10117	38.02781	38.63619
33305013	33513555	34927562	38546850	38184620	40082293	40068707	38802886	41217800	42713165	42614297	42527345
44131861	43535921	47082107	52291447	53714561	55065311	54700004	53373789	55449874	57707771	59161906	61228645
1983445	2022773	2062101	2101429	2140755	2180084	2219411	2258738	2298065	2337393	2376721	2416049
10826848	10022366	12154545	13744597	15529941	14983018	14631297	14570903	14232074	14994606	16547608	18701299
65993625	66120732	71029241	77360181	79975339	81852279	81476011	80446569	82803356	85633392	87772975	91090724
35484.76	34089.16	34638.73	36115.8	34271.11	35821.31	34569.2	34422.81	35983.01	35844.19	35324.48	34413.91
8922661	7797599	8170465	9304857	8394036	8460519	7820381	6914022	7232854	7263275	6640143	6262691
22.54516	23.27383	24.55983	25.61609	26.71467	27.24948	27.33351	27.63731	27.97646	28.46592	29.17112	30.43253
6128354	7158697	7987264	7854037	9160754	9644169	10680069	12430816	12782176	13198607	14471327	16427466
5352.98	5597.38	5665.12	5465.14	5861.86	5759.56	6053.32	6467.76	6352.23	6425.54	6669.93	6847.23
231.2542	232.7362	237.6439	244.7679	248.6535	255.6806	258.7246	264.6907	277.8445	285.6166	287.3131	297.9651
3.505211	3.579377	3.749061	3.756784	3.979496	4.014958	4.198233	4.531699	4.587367	4.705174	4.915982	5.166361
366717	389042.3	415992.6	402372.1	457350.2	452628.2	496186.5	570212.8	565614	586066.5	633670.8	681910.6
14187606	12111689	12833970	14606822	13849903	13308726	12420724	11071881	11480401	11748652	11439029	10894724
10.43595	9.815117	9.839821	9.995118	9.570067	9.462964	9.174134	8.870629	9.138043	9.167974	8.73902	8.500779
242082.6	206615.3	204737.4	226409.7	185571	190768.6	167980.7	141226	148508.8	143710.5	122911	111200.6
41.15863	40.93568	44.44485	48.50183	50.56724	51.11151	54.08026	53.19973	54.1822	60.08124	62.53796	64.50006
40.69827	40.52084	44.08539	48.08052	50.26608	50.85341	53.85112	52.99672	53.96587	59.85311	62.39414	64.3258
-123278.1	-181104.6	-209928.2	-174561.9	-270436.9	-260509.3	-326903	-427651.7	-415792	-441060.7	-509419.8	-569375.4

-14.07284	-20.67404	-23.96441	-19.87271	-30.87179	-29.7385	-37.31769	-48.6853	-47.46484	-50.3494	-58.15295	-64.8196
-1.26E+08	-1.31E+08	-1.35E+08	-1.39E+08	-1.43E+08	-1.48E+08	-1.52E+08	-1.56E+08	-1.61E+08	-1.65E+08	-1.69E+08	-1.74E+08
-63.46016	-64.83227	-65.37719	-66.19616	-66.63378	-67.94483	-68.58832	-69.03855	-70.08064	-70.69275	-71.12774	-72.0059
-1.26E+08	-1.31E+08	-1.35E+08	-1.39E+08	-1.43E+08	-1.48E+08	-1.52E+08	-1.56E+08	-1.61E+08	-1.65E+08	-1.69E+08	-1.74E+08
1616728	1633731	1646108	1699057	1683405	1727456	1723225	1688525	1732451	1751326	1743050	1734138
43800342	45776279	47327227	50393361	51551016	53991805	55324255	55530395	58290057	60450762	61681138	62760420
1.2E+08	1.26E+08	1.29E+08	1.33E+08	1.37E+08	1.42E+08	1.46E+08	1.5E+08	1.55E+08	1.59E+08	1.63E+08	1.68E+08
1.12E+08	1.21E+08	1.24E+08	1.26E+08	1.32E+08	1.38E+08	1.45E+08	1.52E+08	1.57E+08	1.61E+08	1.66E+08	1.74E+08
0.010297	0.027875	0.017237	0.006631	0.019094	0.010297	0.015534	0.025912	0.010297	0.006631	0.010419	0.017237
21490965	21552597	22177010	22809482	23010844	23549533	23885848	24225530	24959218	25446516	25794310	26073343
104.47	99.89	100.55	107.7	106.09	102.84	101.31	99.78	106.15	105.69	106.9	110.87
856205.9	806965	874617.4	906063.9	911257.5	946456.7	896381.5	957598.6	998282.6	1018873	1040552	1051599
1.92E+08	1.97E+08	2.06E+08	2.16E+08	2.23E+08	2.3E+08	2.34E+08	2.36E+08	2.44E+08	2.51E+08	2.57E+08	2.65E+08
1.17E+08	1.21E+08	1.28E+08	1.37E+08	1.42E+08	1.48E+08	1.5E+08	1.51E+08	1.57E+08	1.62E+08	1.66E+08	1.73E+08
30936739	31164158	32493432	35921931	35602543	37366013	37393404	36115278	38389913	39799191	39693462	39611849
1860167	1841668	1852173	1926867	1870318	1919575	1892508	1831086	1882273	1896332	1867301	1846674
856205.9	806965	874617.4	906063.9	911257.5	946456.7	896381.5	957598.6	998282.6	1018873	1040552	1051599
1.17E+08	1.21E+08	1.28E+08	1.37E+08	1.42E+08	1.48E+08	1.5E+08	1.51E+08	1.57E+08	1.62E+08	1.66E+08	1.73E+08
1512068	1542432	1559513	1718856	1670820	1769823	1778921	1730010	1829604	1895101	1880282	1863897
20318111	20910686	21490669	22108958	22721859	23368916	24023850	24654336	25359100	26075986	26809704	27610866
781049.7	781015.7	781020.3	781093.8	781035.6	781043.7	780996.2	781028.4	781006.4	780988.5	781033.2	781027.8
21861764	22584812	23947133	25068734	26260778	26786968	26776007	27072780	27353482	27925621	28611070	29862080
1543653	1674126	2456465	2959776	3538919	3418052	2752157	2418445	1994382	1849635	1801366	2251214
20318111	20910686	21490669	22108958	22721859	23368916	24023850	24654336	25359100	26075986	26809704	27610866

2033-01	2034-01	2035-01	2036-01	2037-01	2038-01	2039-01	2040-01
94382425	96006100						
-94382425	-96006100						
-94382425	-96006100						
94382425	96006100						
94382425	96006100						
94382425	96006100						
39.78878	41.01693	41.92716	42.28884	43.37865	44.53236	45.5014	45.92589
26.77258	20.77578	20.68052	20.72581	21.13958	21.4734	21.7303	21.91439
39.66439	40.89144	41.80036	42.16296	43.2508	44.40329	45.37229	45.79736
39.76007	40.98797	41.8979	42.25979	43.34915	44.50258	45.4716	45.89623
39.04246	40.26402	41.16632	41.53359	42.61154	43.75796	44.72678	45.15469
39.31993	40.54395	41.4492	41.81438	42.89675	44.04588	45.01478	45.44142
39.74094	40.96866	41.87839	42.24042	43.32948	44.48272	45.45174	45.87645
39.77921	41.00727	41.91741	42.27916	43.36882	44.52243	45.49147	45.916

24.66845	25.16182	25.66506	26.17836	26.70193	38.616	38.616	38.616
1.5	1.55	1.59	1.639999	1.689999	1.75	1.8	1.84
39.48259	40.70804	41.61502	41.97899	43.06394	44.21466	45.18361	45.6095
6.116821	6.309123	6.447369	6.502158	6.667123	6.845315	7.000931	7.062569
31.30302	31.68208	32.33622	32.6337	33.45398	35.26222	35.94674	36.25421
31.30302	31.68208	32.33622	32.6337	33.45398	35.26222	35.94674	36.25421
2.50092	2.36198	2.7788	3.19562	3.05668	1.3894	1.11152	0.97258
0.003177	0.004116	0.004521	0.005717	0.005802	0.001435	0.000746	0.000531
0.003059	0.004016	0.004418	0.005569	0.00561	0.001403	0.000735	0.000519
14018.59	27133.01	40932.73	104439.8	48693.76	38578.44	14110.01	19131.66
41.79899	75.70445	116.3749	295.3217	136.3524	111.7415	40.09571	50.64733
603	791.6	870.8	1100.8	1105.8	276.6	145	102.6
0.030022	0.029912	0.029982	0.029822	0.030065	0.029919	0.029998	0.029814
8378.082	10998.49	12098.9	15294.52	15363.99	3843.08	2014.63	1425.524
206674.3	276742	310518.8	400385.3	410248	148404.4	77796.95	55048.05
4.710537	4.53783	5.445011	6.386722	6.233023	4.0276	3.22448	2.82352
12577.18	16841.99	18874.28	24318.28	25043.3	6379.513	3404.725	2451.902
191187	191211.5	191187	191751.5	191187	191211.5	191187	191751.5
21.825	21.8278	21.825	21.82964	21.825	21.8278	21.825	21.83212
197100	197100	197100	197640	197100	197100	197100	197640
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.50256
603	791.6	870.8	1100.8	1105.8	276.6	145	102.6
140.2829	127.6984	152.9439	226.8451	198.7705	78.8861	62.56989	51.38582
66.52645	63.87391	76.71708	90.59652	87.76226	56.32742	45.69528	39.82786
220520.7	295081	331106.6	426937.2	437456.3	155410.2	81569.32	57780.75
366610.7	622184.9	559880.2	558180	774950.9	214830.9	114021.3	69823.6

146090.1	327103.8	228773.6	131242.8	337494.6	59420.67	32452.03	12042.85
366610.7	622184.9	559880.2	558180	774950.9	214830.9	114021.3	69823.6
156.26	171.93	197.82	293.49	272.64	70.28	46	39.04
206502.1	267948	290173.9	322497.4	388762.6	116831.8	67459.3	38649.09
344692.1	575101.7	478579.5	416783.9	698002.4	162333.5	95104.96	45438.56
3.314563	3.349658	3.926149	4.22915	4.22251	1.839915	1.126925	1.140129
564.669	718.8167	763.0681	831.3594	982.654	207.9432	119.9811	68.61828
370.2694	378.123	382.3368	394.9715	398.0865	570.8408	606.3052	593.6504
55.45059	37.77241	45.87859	71.08926	63.59697	57.05673	36.3678	35.6044
603	791.6	870.8	1100.8	1105.8	276.6	145	102.6
0.068835	0.090365	0.099406	0.125318	0.126232	0.031575	0.016552	0.011681
146090.1	327103.8	228773.6	131242.8	337494.6	59420.67	32452.03	12042.85
146090.1	327103.8	228773.6	131242.8	337494.6	59420.67	32452.03	12042.85
38.33098	72.78334	107.7319	269.4406	123.146	68.65682	25.01893	33.98172
14018.59	27133.01	40932.73	104439.8	48693.76	38578.44	14110.01	19131.66
4.11	4.15	6.65	9.26	7.61	2.54	1.38	1.14
-146090.1	-327103.8	-228773.6	-131242.8	-337494.6	-59420.67	-32452.03	-12042.85
-490782.1	-902205.5	-707353.1	-548026.8	-1035497	-221754.2	-127557	-57481.41
0.2	0.31	0.48	2.02	0.57	0.52	0.32	0.33
8905.821	12294.74	13614.86	17773.9	17604.27	4591.064	2287.748	1816.285
0.38	0.32	0.38	0.5	0.4	0.16	0.11	0.09
424.973	365.0272	442.1376	593.395	484.212	197.5584	138.5384	115.6158
220520.7	295081	331106.6	426937.2	437456.3	155410.2	81569.32	57780.75
220520.7	295081	331106.6	426937.2	437456.3	155410.2	81569.32	57780.75
219251.5	293584	329393.1	424703.6	435291.3	154783.9	81201.68	57499.95
603	791.6	870.8	1100.8	1105.8	276.6	145	102.6
424.973	365.0272	442.1376	593.395	484.212	197.5584	138.5384	115.6158
220520.7	295081	331106.6	426937.2	437456.3	155410.2	81569.32	57780.75
844.2	1131.988	1271.368	1640.192	1680.816	428.73	229.1	165.186
9.418999	9.136429	9.230619	9.418999	9.230619	9.324809	9.418999	9.418999
0.106161	0.098172	0.129365	0.131158	0.139733	0.150798	0.153135	0.151468
0.102942	0.095351	0.12548	0.127164	0.135767	0.14624	0.14847	0.146839
1779210	1873354	2268697	2676405	2726953	2973158	3261088	3514602

5435.497	5686.833	6917.95	8047.019	8091.827	8747.134	9471.079	10147.49
52303.24	48446.24	63754.18	64786.58	68980.56	74302.06	75434.8	74810.72
0.030042	0.030047	0.030018	0.030021	0.030041	0.030031	0.03004	0.030024
492644.2	456315.1	600500.6	610224.8	649727.9	699851.1	710520.4	704642.2
3117770	2932768	3905148	4538850	4380965	3777417	3914533	4132976
5.908571	5.924589	5.949078	6.002159	6.124302	6.167205	6.174116	6.310889
240827.3	248956.4	334181.5	349408.1	378103	463765.3	500968.3	511710.4
492837.6	492837.6	492838.2	494187.8	492837.6	492837.6	492837	494187.8
56.26	56.26	56.26007	56.26	56.26	56.26	56.25993	56.26641
508080	508080	508080	509472	508080	508080	508080	509472
58	58	58	58	58	58	58	58.0066
52303.24	48446.24	63754.18	64786.58	68980.56	74302.06	75434.8	74810.72
429.4962	431.3458	426.7731	414.4684	409.5746	466.9515	472.1562	475.4819
65.7241	65.80449	66.1395	67.04889	68.25009	68.95535	69.32515	70.8241
3634968	3421807	4560077	5217451	5117833	4587239	4753532	4981290
6973619	7246353	8982990	9550149	10524210	8492861	8346158	8509793
3338651	3824546	4422914	4332698	5406377	3905622	3592625	3528503
6973619	7246353	8982990	9550149	10524210	8492861	8346158	8509793
3596.21	3464.64	3686.44	3457.28	3539.75	4367.29	4347.2	4380.7
1855758	1548453	2291380	2541047	2390880	1614080	1492445	1466454
3546641	3392009	4243822	4325369	4791041	2787802	2533366	2355217
44.49667	42.3798	41.47437	43.2945	40.99242	41.03883	40.07292	38.93825
26735	22014.95	28274.67	27690.49	28837.97	25064.85	22247.8	20480.36
69.01818	71.55079	72.70411	73.0278	76.22028	75.09707	75.64645	77.07797
68.98242	67.22088	71.21036	72.23269	73.80661	74.31298	75.61808	77.04069
52303.24	48446.24	63754.18	64786.58	68980.56	74302.06	75434.8	74810.72
5.970689	5.530392	7.277874	7.375521	7.874493	8.48197	8.611278	8.517672
3338651	3824546	4422914	4332698	5406377	3905622	3592625	3528503
3338651	3824546	4422914	4332698	5406377	3905622	3592625	3528503
25568.24	26431.29	35479.51	37096.09	40142.59	49237.21	53187	54327.46
1779210	1873354	2268697	2676405	2726953	2973158	3261088	3514602
243.67	210.84	207.68	197.04	197.72	136.23	125.09	121.62
-3338651	-3824546	-4422914	-4332698	-5406377	-3905622	-3592625	-3528503
-6885292	-7216555	-8666735	-8658067	-10197418	-6693424	-6125991	-5883719

101.48	118.94	97.64	98.49	116.85	175.01	190.07	189.85
277561.7	262240.1	339655.1	348731.8	378738.5	417494.5	434375.3	434778.1
9	8.73	8.67	8.84	8.96	10.35	10.71	10.07
4625.46	4576.441	4635.936	4821.336	4984.538	5873.004	6198.841	5944.925
3634968	3421807	4560077	5217451	5117833	4587239	4753532	4981290
3634968	3421807	4560077	5217451	5117833	4587239	4753532	4981290
3117770	2932768	3905148	4538850	4380965	3777417	3914533	4132976
52303.24	48446.24	63754.18	64786.58	68980.56	74302.06	75434.8	74810.72
4625.46	4576.441	4635.936	4821.336	4984.538	5873.004	6198.841	5944.925
3634968	3421807	4560077	5217451	5117833	4587239	4753532	4981290
512571.8	484462.4	650292.6	673780.4	731883.7	803948.3	832800.2	842368.7
3.74	3.54	23.44	32.12	28.16	57.51	56.14	46.26
11.00527	11.00471	11.05266	11.1126	11.09353	10.98444	10.98721	11.01007
0.603152	0.600927	0.585637	0.564002	0.569121	0.61181	0.615487	0.605903
0.581575	0.555767	0.564715	0.54371	0.548844	0.58979	0.593515	0.58419
19713858	19581262	20134875	20128315	20877431	23088052	23860196	24357808
69970.52	68029.22	69431.63	68812.05	69982.14	76285.77	77834.06	78562.52
565500.7	540406	549107.2	530131.1	533674.6	573488.7	577110.5	569599.4
0.035921	0.035939	0.035911	0.036027	0.03591	0.03592	0.035918	0.036027
6206773	5932558	6044926	5859227	5892543	6285645	6321422	6248958
9332628	9216337	9651920	9687243	10039737	10805819	11277105	11671475
3.421639	3.488865	3.562642	3.637461	3.713636	3.763729	3.847042	3.926321
11927555	11500857	11919385	11697361	11908829	12787517	13029082	13095316
937452.7	899017.9	937452.7	939930.2	937452.7	937452.7	937452.7	939930.2
107.0152	102.6276	107.0152	107.0048	107.0152	107.0152	107.0152	107.017
972360	972360	972360	975024	972360	972360	972360	975024
111	111	111	111	111	111	111	111.0126
565500.7	540406	549107.2	530131.1	533674.6	573488.7	577110.5	569599.4
481.8575	491.83	505.1719	517.9067	528.0818	533.7244	544.2742	555.3286
39.53132	40.30924	41.32743	42.40473	43.22163	43.43651	44.39816	45.34995
22526042	21962957	22857578	22658730	23255361	25009011	25757854	26231250
29295633	29054724	32314346	32454520	33518285	33133702	34008858	34392549
6769590	7091767	9456768	9795790	10262924	8124691	8251004	8161299

29295633	29054724	32314346	32454520	33518285	33133702	34008858	34392549
8445.52	8099.2	8445.52	8467.84	8445.52	8445.52	8445.52	8467.84
2609467	2173512	2511802	2315279	2158497	1697137	1669360	1637919
4166619	3551433	5260238	5160676	4871138	3051937	2761844	2719564
41.98884	40.55524	44.43295	44.84978	41.66187	39.69021	40.79978	39.90088
68164.06	55838.2	62976.76	56619.1	51645.25	40042.23	38871.21	35736.57
28.11844	28.59012	26.22977	25.69229	25.32591	31.25243	32.60658	33.02262
27.80083	28.34585	25.9219	25.43247	25.07023	31.05326	32.43973	32.85701
565500.7	540406	549107.2	530131.1	533674.6	573488.7	577110.5	569599.4
64.55488	61.69019	62.68347	60.3519	60.92176	65.46675	65.8802	64.85249
3525310	3990819	6297085	6733172	7182892	4839184	4946797	4894969
3525310	3990819	6297085	6733172	7182892	4839184	4946797	4894969
497336.7	484567.8	486130.5	473512	482029.3	533446.5	538239.3	533805.4
19713858	19581262	20134875	20128315	20877431	23088052	23860196	24357808
341.61	272.86	398.17	340.22	287.8	211.36	203.88	211.4
-6769590	-7091767	-9456768	-9795790	-10262924	-8124691	-8251004	-8161299
-10936210	-10643200	-14717006	-14956465	-15134062	-11176627	-11012848	-10880863
6041.11	5953.41	6238.03	6415.34	6378.05	6307.8	6323.84	6437.45
	0.041666						
2299554	2251203	2373705	2410404	2447666	2483861	2520554	2556732
20.46	20.6	20.46	20.46	20.46	20.46	20.46	20.46
202717.7	208183.6	210901.7	215136.9	219433.5	223822.2	228298.6	232864.6
25770322	25063905	26017261	25721348	26335393	28294518	29062061	29497580
25770322	25063905	26017261	25721348	26335393	28294518	29062061	29497580
21260183	20717194	21571305	21384604	21948566	23593336	24306188	24766791
565500.7	540406	549107.2	530131.1	533674.6	573488.7	577110.5	569599.4
202717.7	208183.6	210901.7	215136.9	219433.5	223822.2	228298.6	232864.6
25770322	25063905	26017261	25721348	26335393	28294518	29062061	29497580
1063141	1037580	1075372	1058990	1087362	1191853	1223368	1231594
948.62	856.73	593.35	479.93	465.3	465.33	473.63	408.45

2.7	2.55	3.15	3.75	3.3
0.003023	0.004083	0.0044	0.005117	0.005679
0.002922	0.003982	0.004251	0.00498	0.005509

1499.764	2789.357	4379.609	10498.08	5406.09
4.433744	7.693985	12.53213	29.16486	15.22346
76.8	104.67	111.72	131.25	144.78
0.029979	0.030017	0.030023	0.029982	0.030007
1152	1570.05	1675.8	1968.75	2171.7
28418.06	39505.32	43009.5	51538.64	57988.57
4.710537	4.53783	5.711235	6.927414	6.211309
1729.382	2404.218	2566.153	3014.747	3325.524
25491.6	25491.6	25491.6	25561.44	25491.6
2.91	2.91	2.91	2.91	2.91
26280	26280	26280	26352	26280
3	3	3	3	3
76.8	104.67	111.72	131.25	144.78
157.0179	140.1389	171.3371	257.6998	215.9842
70.65806	68.06746	85.66853	103.9112	93.16964
30147.44	41909.53	45575.66	54553.39	61314.1
48858.24	86542.42	78252.21	70197.99	109330.8
18710.8	44632.89	32676.56	15644.6	48016.69
48858.24	86542.42	78252.21	70197.99	109330.8
25.6	34.89	37.24	43.75	48.26
28647.67	39120.18	41196.05	44055.31	55908.01
46634.05	81939.23	69566.66	56260.12	100899.1
0.508901	0.479059	0.568144	0.717268	0.657417
72.97938	97.70352	100.9842	105.9927	132.0147
392.5448	400.3968	407.9454	425.8792	423.4984
19.62724	20.01984	32.63563	46.84671	46.58482
76.8	104.67	111.72	131.25	144.78
0.008767	0.011948	0.012753	0.014941	0.016527
18710.8	44632.89	32676.56	15644.6	48016.69
18710.8	44632.89	32676.56	15644.6	48016.69
3.820618	6.966482	10.73577	25.25734	12.76531
1499.764	2789.357	4379.609	10498.08	5406.09
0.5		0.01		0.01
-18710.8	-44632.89	-32676.56	-15644.6	-48016.69

-65344.85	-126572.1	-102243.2	-71904.72	-148915.8			
			0.14				
7548.853	10878.4	11687.54	14085.03	15389.34			
3.97	4.81	6.42	8.77	8.35			
30147.44	41909.53	45575.66	54553.39	61314.1			
30147.44	41909.53	45575.66	54553.39	61314.1			
30147.44	41909.53	45575.66	54553.39	61314.1			
76.8	104.67	111.72	131.25	144.78			
30147.44	41909.53	45575.66	54553.39	61314.1			
11.50102	11.49567	11.67898	11.77064	11.74852	11.49718	11.50332	11.53853
0.689158	0.691323	0.632546	0.606708	0.610423	0.690551	0.691216	0.680073
0.622812	0.624958	0.603133	0.578518	0.581816	0.658558	0.659009	0.648402
7284694	7446507	7436544	7368670	7533703	8343840	8582539	8733869
26300.84	26469.25	26070.07	25567.17	25644.81	27980.41	28390.26	28549.23
234601.2	235409.5	227188.3	218513.5	219158.7	248065.9	248235.7	244909.5
0.04664	0.046655	0.046634	0.046635	0.046657	0.04664	0.046609	0.046645
2688733	2696834	2637177	2552401	2557687	2843828	2845513	2813695
4041384	4187412	4210239	4219317	4354437	4808561	5012370	5154994
2.599034	2.649447	2.706518	2.764687	2.823034	2.850244	2.916328	2.972808
2955187	2965169	2943089	2867623	2891720	3202720	3229088	3237438
340397	340467.6	359127.4	360107.4	359126.5	359127	359127	360107.8
38.85811	38.86616	40.99628	40.99583	40.99618	40.99623	40.99623	41.00055
376680	376680	376680	377712	376680	376680	376680	377712
43	43	43	43	43	43	43	43.0049
234601.2	235409.5	227188.3	218513.5	219158.7	248065.9	248235.7	244909.5
385.1625	392.6364	407.693	419.5056	427.7008	427.9302	436.2949	444.8469
31.11547	31.70045	32.86653	33.8182	34.46612	34.19647	34.98993	35.69079
7427009	7591435	7582154	7514057	7681411	8495107	8735884	8890203
11429258	11839959	12637740	12749392	13072667	13394274	13661234	13835442
4002248	4248524	5055587	5235335	5391256	4899167	4925350	4945239
11429258	11839959	12637740	12749392	13072667	13394274	13661234	13835442
7915.34	7916.64	8351.8	8374.59	8351.78	8351.79	8351.79	8374.6
436.5681	335.6651	5313.624	2337.292	1743.508	2329.372	1484.17	425.8496

507.3185	406.8816	8635.56	4671.147	3246.493	4844.643	2140.975	629.0337
3.665904	2.655619	4.887389	3.954104	4.28002	2.110925	2.979087	1.732864
14.44072	10.96079	178.1561	77.04102	57.51233	25.17516	23.35901	8.058022
27.07186	28.82891	29.38684	28.09499	25.74901	30.71029	31.77512	33.31443
27.03062	28.82486	29.06312	27.47948	25.70839	30.69177	31.72637	32.59172
234601.2	235409.5	227188.3	218513.5	219158.7	248065.9	248235.7	244909.5
26.78096	26.87323	25.93474	24.87631	25.01812	28.31803	28.3374	27.8845
2596847	2838889	3677134	3901195	4054353	3412698	3438001	3474521
2596847	2838889	3677134	3901195	4054353	3412698	3438001	3474521
234586.7	235398.5	227010.2	218436.5	219101.2	248040.7	248212.3	244873.8
7284694	7446507	7436544	7368670	7533703	8343840	8582539	8733869
	0.03	0.06			0.07	0.13	
-4002248	-4248524	-5055587	-5235335	-5391256	-4899167	-4925350	-4945239
-4002756	-4248931	-5064222	-5240006	-5394502	-4904012	-4927491	-4945868
72.6	111.52	66.05	69.25	65.15	106.35	93.16	71.47
0.051433	0.051433						
2133917	2169170	2322424	2358515	2394569	2430116	2466961	2502325
28.95	28.93	27.52	27.51	27.52	27.53	27.52	27.52
141879.3	144592.1	140295.9	143049.8	145963.9	148937.3	151860.9	154898
8832410	9001070	8960606	8848197	9018314	9981576	10223233	10360921
8832410	9001070	8960606	8848197	9018314	9981576	10223233	10360921
6996571	7152581	7153329	7086940	7246157	8011281	8241458	8392432
234601.2	235409.5	227188.3	218513.5	219158.7	248065.9	248235.7	244909.5
141879.3	144592.1	140295.9	143049.8	145963.9	148937.3	151860.9	154898
8832410	9001070	8960606	8848197	9018314	9981576	10223233	10360921
288559.5	294261.9	288529.2	284067.6	289289.5	334889	342565.2	342873.3
	0.07	0.11		0.02		0.03	0.01

2.7	2.55	3.15	3.75	3.3
0.002958	0.004163	0.004311	0.005176	0.005556
0.002899	0.004101	0.004183	0.005031	0.005357
1419.393	2781.322	3936.136	10203.05	5004.456
4.182978	7.621817	11.25563	28.54212	14.05698
76.2	107.79	109.95	132.6	140.79

0.030038	0.030045	0.030061	0.030011	0.030056
1143	1616.85	1649.25	1989	2111.85
28196.04	40682.89	42328.1	52068.75	56390.46
4.710537	4.53783	5.711235	6.927414	6.211309
1715.872	2475.882	2525.497	3045.756	3233.876
25491.6	25491.6	25491.6	25561.44	25491.6
2.91	2.91	2.91	2.91	2.91
26280	26280	26280	26352	26280
3	3	3	3	3
76.2	107.79	109.95	132.6	140.79
157.0179	140.1389	171.3371	257.6998	215.9842
70.65806	68.06746	85.66853	103.9112	93.16964
29911.91	43158.77	44853.59	55114.51	59624.34
48485.07	90064.39	77334.43	70810.08	107079.5
18573.15	46905.62	32480.84	15695.57	47455.15
48485.07	90064.39	77334.43	70810.08	107079.5
25.4	35.93	36.65	44.2	46.93
28492.52	40377.45	40917.46	44911.46	54619.88
46410.73	85504.93	69422.33	57224.17	99312.96
0.509675	0.484763	0.568535	0.717999	0.658792
72.58413	100.8436	100.3013	108.0525	128.9731
415.9873	458.8918	439.3498	428.8229	445.5329
12.47962	22.94459	30.75448	47.17051	49.00861
76.2	107.79	109.95	132.6	140.79
0.008698	0.012304	0.012551	0.015095	0.016071
18573.15	46905.62	32480.84	15695.57	47455.15
18573.15	46905.62	32480.84	15695.57	47455.15
3.615874	6.946413	9.648683	24.54752	11.81694
1419.393	2781.322	3936.136	10203.05	5004.456
0.66	1.11	1.42	1.28	1.82
-18573.15	-46905.62	-32480.84	-15695.57	-47455.15
-64983.88	-132410.6	-101903.2	-72919.74	-146768.1
0.01	0.12	0.15	0.17	0.17
7480.334	11199.83	11467.6	14218.63	14973.13

3.97	4.9	6.32	8.76	8.23			
29911.91	43158.77	44853.59	55114.51	59624.34			
29911.91	43158.77	44853.59	55114.51	59624.34			
29911.91	43158.77	44853.59	55114.51	59624.34			
76.2	107.79	109.95	132.6	140.79			
29911.91	43158.77	44853.59	55114.51	59624.34			
13.28076	13.11086	14.06535	14.20493	13.62175	13.74894	14.19633	14.3303
0.060678	0.054983	0.085462	0.086722	0.094039	0.10473	0.107573	0.105697
0.059015	0.053285	0.082964	0.084164	0.091221	0.101562	0.104316	0.102448
594186.4	635442.7	836766.9	1036681	1061526	1285096	1495093	1612513
1728.56	1839.053	2475.872	2971.004	3018.148	3651.995	4183.851	4469.395
25848.6	23339.2	36338.5	36965.1	39955	44484.4	45690.5	44995.5
0.030014	0.030047	0.030013	0.030029	0.030026	0.030027	0.03002	0.030008
372771	336567.2	524885.3	533853.9	577187	642198.8	659286.1	649223.1
2366593	2170805	3121132	3358715	3505129	2810374	2971012	3144338
5.411894	5.501398	5.658205	5.607438	5.673568	5.577146	5.689165	5.921707
96117.37	99671.81	192136.3	206797.5	217508.7	328301.9	378067.7	370182.1
424860	424860	424860	426028.8	424860	424860	424860	426028.8
48.5	48.5	48.5	48.50055	48.5	48.5	48.5	48.50607
438000	438000	438000	439200	438000	438000	438000	439200
50	50	50	50	50	50	50	50.00569
25848.6	23339.2	36338.5	36965.1	39955	44484.4	45690.5	44995.5
699.9617	663.1185	755.2189	787.5964	773.4075	789.728	784.7008	794.0548
77.81308	78.94249	81.62441	80.82029	81.71267	80.17961	81.8256	85.23943
2375004	2178929	3133148	3370946	3518315	2825221	2986057	3159553
4471895	4713630	5931806	5955185	7111318	5433983	5274712	5288462
2096892	2534701	2798658	2584240	3593002	2608762	2288656	2128909
4471895	4713630	5931806	5955185	7111318	5433983	5274712	5288462
4531.49	4128.84	5507.15	5415.65	5457.15	6739.07	6894.69	6759.68
1780817	1543487	2296381	2334265	2456789	1540125	1490964	1546957
3377466	3468993	4179500	3946849	4880131	2768734	2536014	2477482
20.23275	19.45879	21.34644	21.4724	19.99501	20.34782	20.54116	20.5041
19100.5	16340.52	22884.07	22483.29	24722.21	21505.09	19248.19	19105.39

103.1543	102.6384	102.8138	103.9522	110.1036	110.0719	106.3274	109.4647
93.6998	92.1233	98.5562	98.41008	102.3428	102.8647	104.1072	109.3768
25848.6	23339.2	36338.5	36965.1	39955	44484.4	45690.5	44995.5
2.950753	2.664292	4.14823	4.20823	4.561073	5.078127	5.21581	5.123021
2096892	2534701	2798658	2584240	3593002	2608762	2288656	2128909
2096892	2534701	2798658	2584240	3593002	2608762	2288656	2128909
6748.103	6998.685	13454.43	14481.81	15232.79	22979.31	26442.31	25889.21
594186.4	635442.7	836766.9	1036681	1061526	1285096	1495093	1612513
350.34	295.32	423.68	420.49	445.72	395.62	357.89	360.21
-2096892	-2534701	-2798658	-2584240	-3593002	-2608762	-2288656	-2128909
-5474357	-6003693	-6978157	-6531089	-8473134	-5377497	-4824669	-4606391
59.77	61.9	68.22	82.36	100.23	187.79	222.23	228.36
286155.5	262791.3	408095.9	422614.5	464602.4	524160.5	551123.4	547801.3
4.46	4.5	5.18	5.04	4.98	5.6	5.47	5.44
3328.722	3444.42	4157.518	4113.676	4159.568	4814.904	4712.606	4864.765
2375004	2178929	3133148	3370946	3518315	2825221	2986057	3159553
2375004	2178929	3133148	3370946	3518315	2825221	2986057	3159553
2366593	2170805	3121132	3358715	3505129	2810374	2971012	3144338
25848.6	23339.2	36338.5	36965.1	39955	44484.4	45690.5	44995.5
3328.722	3444.42	4157.518	4113.676	4159.568	4814.904	4712.606	4864.765
2375004	2178929	3133148	3370946	3518315	2825221	2986057	3159553
5082.28	4680.104	7857.866	8116.775	9027.28	10032.22	10332.73	10350.21
0.47	0.27	19.52	26.44	28.76	100.14	101.18	92.97
2.7	2.55	3.15	3.6	3.3	1.5	1.05	1.05
0.003023	0.004118	0.004252	0.005138	0.005548	0.00128	0.000698	0.000416
0.002925	0.003988	0.004132	0.005013	0.005356	0.001238	0.000665	0.000407
1827.179	3206.446	4875.902	12741.12	6134.837	5198.052	1706.75	2262.075
5.393457	8.724857	13.92886	35.52348	17.21937	15.12141	4.828617	5.98933
102.52	139.76	144.8	176.16	187.68	43.4	23.32	14.32
0.029925	0.029877	0.029948	0.029874	0.029914	0.029891	0.029943	0.029894
1537.8	2096.4	2172	2642.4	2815.2	651	349.8	214.8
37935.15	52749.24	55744.5	69173.69	75171.26	25139.02	13507.88	8294.717
4.710537	4.53783	5.717661	6.665174	6.231923	4.02735	2.821469	2.823835

2308.545	3210.217	3392.447	4209.872	4574.7	1079.033	591.4069	370.4226
33990.68	33990.68	33988.8	34084.76	33988.8	33990.68	33988.8	34084.76
3.880214	3.880214	3.88	3.880323	3.88	3.880214	3.88	3.880765
35040	35040	35040	35136	35040	35040	35040	35136
4	4	4	4	4	4	4	4.000455
102.52	139.76	144.8	176.16	187.68	43.4	23.32	14.32
157.0179	140.1389	171.5298	254.1098	216.701	84.57435	60.46005	54.45968
70.65806	68.06746	85.76492	99.97761	93.47885	60.41025	42.32204	42.35753
40243.69	55959.46	59136.95	73383.57	79745.96	26218.05	14099.28	8665.139
65591.82	116195.7	100536.9	94365.41	142680.5	35065.76	19278.62	10237.95
25348.13	60236.26	41399.98	20981.85	62934.58	8847.709	5179.335	1572.811
65591.82	116195.7	100536.9	94365.41	142680.5	35065.76	19278.62	10237.95
25.63	34.94	36.2	44.04	46.92	10.85	5.83	3.58
38416.51	52753.01	54261.05	60642.45	73611.12	21020	12392.53	6403.064
62934.21	110856.4	90664.14	77373.64	133106.6	28275.08	17047.33	7518.379
0.678892	0.678845	0.758777	0.954732	0.875561	0.398256	0.199414	0.234513
97.8653	131.7518	132.8611	145.5745	173.2418	34.79541	20.49706	10.5817
474.138	503.2321	575.7585	502.6725	645.2531	733.7258	724.7508	651.167
56.89656	50.32321	74.84861	70.37415	103.2405	73.37258	36.23754	39.07002
102.52	139.76	144.8	176.16	187.68	43.4	23.32	14.32
0.011703	0.015954	0.016529	0.020054	0.021424	0.004954	0.002662	0.00163
25348.13	60236.26	41399.98	20981.85	62934.58	8847.709	5179.335	1572.811
25348.13	60236.26	41399.98	20981.85	62934.58	8847.709	5179.335	1572.811
4.654701	8.00817	11.93891	30.58552	14.43818	8.604586	2.822937	3.738303
1827.179	3206.446	4875.902	12741.12	6134.837	5198.052	1706.75	2262.075
24.31	32.87	31.85	27.63	43.08	8.69	5.14	2.56
-25348.13	-60236.26	-41399.98	-20981.85	-62934.58	-8847.709	-5179.335	-1572.811
-88282.34	-171092.6	-132064.1	-98355.49	-196041.2	-37122.79	-22226.67	-9091.19
1.11	1.89	2.31	4.61	3.28	2.06	0.64	0.73
7534.302	10888.51	11381.96	14142.98	14950.23	3613.382	1827.739	1263.869
4.03	4.78	6.39	8.68	8.22	2.05	1.06	1.08
40243.69	55959.46	59136.95	73383.57	79745.96	26218.05	14099.28	8665.139
40243.69	55959.46	59136.95	73383.57	79745.96	26218.05	14099.28	8665.139
40243.69	55959.46	59136.95	73383.57	79745.96	26218.05	14099.28	8665.139

102.52	139.76	144.8	176.16	187.68	43.4	23.32	14.32
40243.69	55959.46	59136.95	73383.57	79745.96	26218.05	14099.28	8665.139
10.37488	10.37393	10.45574	10.53407	10.51059	10.35526	10.36132	10.38871
0.489052	0.488095	0.453653	0.42576	0.431319	0.494347	0.498284	0.486779
0.451294	0.45036	0.427929	0.401373	0.406868	0.466032	0.469825	0.459147
8314757	8466440	8216502	7966532	8222059	9373325	9673655	9877526
29605.09	29709.19	28468.97	27420.51	27711.9	31064	31631.32	31925.2
231665.7	231186.3	219671.5	206603.8	208860	239231.2	241178.5	236342.6
0.057133	0.057136	0.057164	0.057125	0.057179	0.057159	0.057117	0.057088
2391453	2386903	2278309	2152866	2174116	2467585	2485960	2439821
3601469	3713463	3647430	3580615	3725113	4196454	4383417	4597822
3.434232	3.501742	3.575778	3.65149	3.7286	3.765561	3.844676	3.935782
4625309	4657325	4521761	4326184	4422803	5053613	5158367	5147290
473588.2	473638	483973.3	485337.5	483973.3	483973.3	483973.3	485337.5
54.06258	54.06827	55.24809	55.25245	55.24809	55.24809	55.24809	55.25874
513336	513336	513336	514742.4	513336	513336	513336	514742.4
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.60667
231665.7	231186.3	219671.5	206603.8	208860	239231.2	241178.5	236342.6
492.7895	501.695	524.8425	541.0535	551.1484	544.3197	556.4001	570.0843
36.24426	36.96176	38.02797	39.11805	39.85424	39.70682	40.55786	41.56534
9096719	9258220	9065999	8814327	9074426	10215311	10529199	10747780
13195268	13650246	14763907	14770405	15244843	15295016	15571954	15889435
4098550	4392026	5697908	5956078	6170417	5079705	5042756	5141655
13195268	13650246	14763907	14770405	15244843	15295016	15571954	15889435
8080.52	8081.34	8258.93	8282.21	8258.93	8258.93	8258.93	8282.21
55654.26	52306.57	95475.4	78691.99	67882.42	41811.17	39365.45	36459.21
72882.63	68645.57	209698.4	186774.5	167983.1	104013.3	63266.96	60306.39
16.26909	16.34464	18.08236	17.83048	16.5161	17.30705	16.53656	15.82998
1575.433	1459.118	2631.84	2121.039	1801.882	1113.134	1009.683	864.3631
29.76336	29.99857	28.26084	27.98184	27.48818	32.26032	33.75659	34.32318
29.62978	29.92415	28.19196	27.91853	27.42224	32.19766	33.70212	34.25941
231665.7	231186.3	219671.5	206603.8	208860	239231.2	241178.5	236342.6
26.44586	26.39113	25.07665	23.52047	23.84246	27.30949	27.53179	26.90909

2848537	3144392	4507036	4830775	5034007	3789898	3743344	3866360
2848537	3144392	4507036	4830775	5034007	3789898	3743344	3866360
230090.3	229727.2	217039.6	204482.7	207058.1	238118	240168.8	235447.9
8314757	8466440	8216502	7966532	8222059	9373325	9673655	9877526
1.66	5.7	3.23	2.7	1.96	1.78	1.51	1.41
-4098550	-4392026	-5697908	-5956078	-6170417	-5079705	-5042756	-5141655
-4171432	-4460672	-5907606	-6142853	-6338400	-5183718	-5106023	-5201961
418.37	672.6	423.49	418.71	417.58	399.32	398.92	402.77
0.021509	0.021509						
2047458	2078822	2156223	2190905	2222640	2257626	2290931	2325742
32.67	32.61	32.6	32.6	32.6	32.6	32.6	32.6
726307.4	739473.2	754022.4	769102.8	784484.9	800174.6	816178	832501.6
10346731	10505854	10256872	9939630	10210836	11505117	11828610	12023074
10346731	10505854	10256872	9939630	10210836	11505117	11828610	12023074
8226779	8370788	8169190	7906800	8147916	9250067	9541784	9745112
231665.7	231186.3	219671.5	206603.8	208860	239231.2	241178.5	236342.6
726307.4	739473.2	754022.4	769102.8	784484.9	800174.6	816178	832501.6
10346731	10505854	10256872	9939630	10210836	11505117	11828610	12023074
143632.8	147959.2	142786.4	138424.5	142024.8	165069.5	171236.7	170166.6
8.02	22.6	4.35	3.89	3.89	3.06	2.89	2.75
12.9	12.75	14.1	14.25	13.8	13.95	14.85	13.8
0.056743	0.051386	0.080876	0.081738	0.089419	0.099851	0.10244	0.100677
0.055046	0.049989	0.078382	0.079429	0.0866	0.096845	0.099455	0.097651
112957.1	125227.4	165405.8	215506.9	218735.9	281092	338587.7	363979.2
322.6641	355.7182	485.1764	608.9537	612.5145	787.0989	933.0491	993.339
6750.94	6130.74	9612.82	9767.94	10620.68	11877.18	12197.22	12008.78
0.029978	0.029981	0.030004	0.030005	0.030012	0.029974	0.030027	0.029994
101264.1	91961.1	144192.3	146519.1	159310.2	178157.7	182958.3	180131.7
644549.5	595089.2	854847.7	919989.9	963454.9	767842.2	811215.7	861160.2
5.059732	5.133421	5.448544	5.417885	5.489131	5.406476	5.620213	5.409597
18386.94	19714.82	42147.52	46472.53	48073.59	74872.2	90209.98	88043.75
118960.8	118960.8	118960.8	119286.7	118960.8	118960.8	118960.8	119286.7
13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58155

122640	122640	122640	122976	122640	122640	122640	122976
14	14	14	14	14	14	14	14.00159
6750.94	6130.74	9612.82	9767.94	10620.68	11877.18	12197.22	12008.78
351.4546	332.1561	377.5363	385.4778	380.9992	393.6766	400.1085	396.9252
76.84966	78.03243	82.24255	81.80183	82.94543	82.1637	84.88472	81.6042
646796.5	597220.7	857567.2	922404.9	966163.9	770446.2	813861.7	863806.2
1218876	1295216	1610628	1620780	1945288	1483371	1432878	1437272
572079.7	697995.4	753060.4	698375.6	979123.7	712924.4	619016.3	573466.2
1218876	1295216	1610628	1620780	1945288	1483371	1432878	1437272
2395.86	2244.86	2909.42	2971.82	2976.43	3596.23	3735.41	3617.97
533839.4	471993.3	692161.5	706898	747428	489354.2	475274	499814.9
1009705	1048325	1266855	1198933	1490627	892322.4	818690.7	803146.6
11.59413	11.43935	12.55956	12.70836	12.25916	12.36457	13.12036	11.88145
5525.144	4816.419	6802.985	6669.771	7415.774	6885.7	6183.221	6139.057
95.35297	96.79047	95.25625	91.04863	98.14886	99.48357	95.42547	99.46444
74.10396	78.04608	87.42462	81.0876	87.46074	88.49607	93.39521	91.46569
6750.94	6130.74	9612.82	9767.94	10620.68	11877.18	12197.22	12008.78
0.770655	0.699856	1.097353	1.112015	1.212406	1.355842	1.392376	1.367275
572079.7	697995.4	753060.4	698375.6	979123.7	712924.4	619016.3	573466.2
572079.7	697995.4	753060.4	698375.6	979123.7	712924.4	619016.3	573466.2
1225.796	1314.321	2809.835	3098.169	3204.906	4991.48	6013.999	5869.583
112957.1	125227.4	165405.8	215506.9	218735.9	281092	338587.7	363979.2
109.27	96.24	111	105.04	111.47	81.21	83.13	86.29
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-1581785	-1746320	-2019916	-1897309	-2469751	-1605247	-1437707	-1376613
18.24	21.74	21.43	22.29	27.95	58.25	63.35	65.62
150179.7	139069.4	213594.9	221273.2	244007.7	278490.8	294085.4	292259.5
2.14	2.03	2.59	2.3	2.58	2.48	2.52	2.52
2247	2131.5	2719.5	2415	2709	2604	2646	2646
646796.5	597220.7	857567.2	922404.9	966163.9	770446.2	813861.7	863806.2
646796.5	597220.7	857567.2	922404.9	966163.9	770446.2	813861.7	863806.2
644549.5	595089.2	854847.7	919989.9	963454.9	767842.2	811215.7	861160.2
6750.94	6130.74	9612.82	9767.94	10620.68	11877.18	12197.22	12008.78
2247	2131.5	2719.5	2415	2709	2604	2646	2646

646796.5	597220.7	857567.2	922404.9	966163.9	770446.2	813861.7	863806.2
0.12	0.06	12.61	17.76	20.86	53.24	49.85	44.76
11.01308	11.00745	11.12019	11.19513	11.17903	11.03466	11.04211	11.06748
0.364667	0.358848	0.357807	0.34442	0.349991	0.391733	0.394436	0.387709
0.347512	0.337727	0.34421	0.331298	0.336721	0.376756	0.379363	0.372894
37818426	38164144	39112914	39529992	40705647	45388341	47226975	48481692
133419	132189	134003.8	133815.2	135244.2	148643.3	152488.5	154703.8
1117529	1086062	1106910	1068309	1082829	1191769	1200015	1182783
0.034519	0.034518	0.034525	0.034506	0.034535	0.03551	0.035521	0.0355
12265849	11917420	12247586	11876987	12033033	13121760	13208023	13038111
23405617	23225554	25842318	26877896	27568633	27340011	28460958	29626107
3.450528	3.507993	3.61196	3.708239	3.788855	3.737008	3.813145	3.902065
19526382	19148283	19411594	18925757	19259530	21051308	21420533	21482866
355331.6	368343	568465.3	602678.2	643685.4	866939.4	969246	969936.2
3064257	3025967	3093371	3101838	3093370	3042414	3042387	3050715
349.8011	345.43	353.1246	353.1236	353.1244	347.3075	347.3044	347.3432
3215796	3215796	3215796	3224606	3215796	3163236	3163236	3171902
367.1	367.1	367.1	367.1	367.1	361.1	361.1	361.1411
1117529	1086062	1106910	1068309	1082829	1191769	1200015	1182783
3452.059	3360.897	3664.383	4062.363	3918.352	3319.791	3316.965	3342.567
39.74756	40.37871	42.03784	43.38578	44.31311	43.25839	44.15017	45.22464
46027362	45446678	48537196	49107905	50251651	52083963	53672056	54940328
67114094	68715116	77057421	77893986	82550652	77483102	78429095	79433015
21086733	23268437	28520225	28786081	32299001	25399139	24757039	24492687
67114094	68715116	77057421	77893986	82550652	77483102	78429095	79433015
35197.83	34213.21	37467.17	37394.87	37444.31	39839.96	40085.37	39925.62
7138031	6190285	8319062	8450624	8396122	5522688	5248743	5233083
12674493	12383214	15876981	15430914	17235487	9800263	8827474	8469302
14.86292	14.2986	15.4501	15.65465	14.73763	17.27171	17.32415	16.7407
121922.7	101529.3	124845.7	116851.7	115897.5	94878.92	87723.95	82412.99
72.52337	71.19613	77.19627	80.16953	84.73301	79.39025	75.20052	76.24039
72.35075	71.02659	77.06002	79.80566	84.46348	79.16231	75.11387	76.16284
1117529	1086062	1106910	1068309	1082829	1191769	1200015	1182783

127.5718	123.9797	126.3596	121.6199	123.6106	136.0467	136.9881	134.6674
15187039	17510220	22791217	23264020	26745656	19337357	18666071	18480344
15187039	17510220	22791217	23264020	26745656	19337357	18666071	18480344
995606.3	984532.6	982064.1	951457.1	966931.1	1096891	1112292	1100251
37818426	38164144	39112914	39529992	40705647	45388341	47226975	48481692
1076.13	919.12	1183.75	1103.66	1097.19	837.5	778.15	784.63
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-33761225	-35651652	-44397206	-44216995	-49534488	-35199402	-33584513	-32961989
6712.89	6942.43	6917.8	7113.38	7109.83	7237.1	7292.53	7396.58
0.006631	0.010419						
7226295	7208556	7861850	8012664	8215141	8399953	8562146	8662718
110.03	112.21	116.53	123.46	122.3	101.23	100.45	99.78
1081531	1102766	1117175	1139233	1162220	1186423	1210034	1233835
51927055	51204896	54266203	54629966	55804996	58145745	59763024	60952671
51927055	51204896	54266203	54629966	55804996	58145745	59763024	60952671
42931999	42373837	45253912	45803653	46828163	48391319	49881491	51108974
1117529	1086062	1106910	1068309	1082829	1191769	1200015	1182783
1081531	1102766	1117175	1139233	1162220	1186423	1210034	1233835
51927055	51204896	54266203	54629966	55804996	58145745	59763024	60952671
2013832	1970075	2166109	2165019	2261268	2506221	2580532	2597518
960.97	883.27	653.38	560.14	546.99	679.28	683.72	595.2

1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
15768219	17517402	16364126	17512172	17753257	27012230	28996230	30438596
53630.72	58858.54	53008.61	55927.43	55630.21	84184.29	89143.91	92112.5
-2455377	-2494703	-2534030	-2573358	-2612687	-2652014	-2691342	-2730309
2455377	2494703	2534030	2573358	2612687	2652014	2691342	2730309
15768219	17517402	16364126	17512172	17753257	27012230	28996230	30438596
6698.73	6933.41	6902.36	7102.74	7098.81	7224.53	7279.79	7386.78
301.4067	308.5327	319.6832	325.6224	332.3336	358.9314	362.7898	373.0181
99.17937	103.5134	109.8253	115.3634	118.2675	126.9178	128.6681	133.3741
680077.4	730477.1	772272.7	841651.6	855338.2	927144.9	950535.1	1000544
-2455377	-2494703	-2534030	-2573358	-2612687	-2652014	-2691342	-2730309

-280.2942	-284.7834	-289.2728	-292.9597	-298.2519	-302.7413	-307.2308	-310.8629
-1.01E+08	-1.06E+08	-1.1E+08	-1.13E+08	-1.17E+08	-1.23E+08	-1.27E+08	-1.3E+08
-41.22593	-42.50664	-43.39611	-43.80248	-44.9839	-46.20313	-47.21123	-47.65219
-1.01E+08	-1.06E+08	-1.1E+08	-1.13E+08	-1.17E+08	-1.23E+08	-1.27E+08	-1.3E+08
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
1.17E+08	1.24E+08	1.26E+08	1.3E+08	1.35E+08	1.5E+08	1.56E+08	1.61E+08
2455377	2494703	2534030	2573358	2612687	2652014	2691342	2730309
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
15768219	17517402	16364126	17512172	17753257	27012230	28996230	30438596
53630.72	58858.54	53008.61	55927.43	55630.21	84184.29	89143.91	92112.5
-2455377	-2494703	-2534030	-2573358	-2612687	-2652014	-2691342	-2730309
2455377	2494703	2534030	2573358	2612687	2652014	2691342	2730309
15768219	17517402	16364126	17512172	17753257	27012230	28996230	30438596
6698.73	6933.41	6902.36	7102.74	7098.81	7224.53	7279.79	7386.78
301.4067	308.5327	319.6832	325.6224	332.3336	358.9314	362.7898	373.0181
99.17937	103.5134	109.8253	115.3634	118.2675	126.9178	128.6681	133.3741
680077.4	730477.1	772272.7	841651.6	855338.2	927144.9	950535.1	1000544
-2455377	-2494703	-2534030	-2573358	-2612687	-2652014	-2691342	-2730309
-280.2942	-284.7834	-289.2728	-292.9597	-298.2519	-302.7413	-307.2308	-310.8629
-1.01E+08	-1.06E+08	-1.1E+08	-1.13E+08	-1.17E+08	-1.23E+08	-1.27E+08	-1.3E+08
-41.22593	-42.50664	-43.39611	-43.80248	-44.9839	-46.20313	-47.21123	-47.65219
-1.01E+08	-1.06E+08	-1.1E+08	-1.13E+08	-1.17E+08	-1.23E+08	-1.27E+08	-1.3E+08
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
1.17E+08	1.24E+08	1.26E+08	1.3E+08	1.35E+08	1.5E+08	1.56E+08	1.61E+08
2455377	2494703	2534030	2573358	2612687	2652014	2691342	2730309
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
							28.68121

							0.286812
							0.01
							3.547
94016.07	94016.05	94016.03	94016.07	94016.06	94016.08	94016.05	94004.04
3726872	3875506	3883978	3944749	4061549	4159902	4258403	4285075
							1.002933
							0.090729
							0.181458
30.4634	26.99098	27.49778	31.4426	31.6627	29.98068	33.20312	30.8235
17.0595	19.70342	11.54907	14.4636	14.88147	13.4913	15.27344	13.56234
94016.07	94016.05	94016.03	94016.07	94016.06	94016.08	94016.05	94004.04
10.73243	10.73243	10.73242	10.7031	10.73243	10.73243	10.73243	10.70295
3726872	3875506	3883978	3944749	4061549	4159902	4258403	4285075
3726872	3875506	3883978	3944749	4061549	4159902	4258403	4285075
94016.07	94016.05	94016.03	94016.07	94016.06	94016.08	94016.05	94003.85
-3726872	-3875506	-3883978	-3944749	-4061549	-4159902	-4258403	-4285075
-3726872	-3875506	-3883978	-3944749	-4061549	-4159902	-4258403	-4285076
9.93	15.14	5.07	6.8	5.9	6.07	5.51	6.4
2436252	2487634	2519833	2534084	2563769	2604233	2659172	2684996
94016.07	94016.05	94016.03	94016.07	94016.06	94016.08	94016.05	94004.04
94016.07	94016.05	94016.03	94016.07	94016.06	94016.08	94016.05	94004.04
3726872	3875506	3883978	3944749	4061549	4159902	4258403	4285075
3726872	3875506	3883978	3944749	4061549	4159902	4258403	4285075
8681438	9025143	26425.54					
31982.58	32722.18	81.92763					
163475.5	163452	162978	162978	162978	91588.36	91666.15	91953.03
6484540	6709563	6799656	6866921	7057939	3995475	4049372	4137637
163475.5	163452	162978	162978	162978	91588.36	91666.15	91953.03
18.66159	18.6589	18.60479	18.55396	18.60479	10.45529	10.46417	10.46943

-2222928	-2341407	6773230	6866921	7057939	3995475	4049372	4137637
-2222928	-2341407	6773230	6866921	7057939	3995475	4049372	4137637
162978	162978	162978	162978	162978	91588.36	91666.15	91953.03
8681438	9025143	26425.54					
2222928	2341407	-6773230	-6866921	-7057939	-3995475	-4049372	-4137637
2222928	2341407	-6773230	-6866921	-7057939	-3995475	-4049372	-4137637
2455377	2494703	2534030	2573358	2612687	2627807	2666165	2704707
8707468	9050970	26425.54					
8707468	9050970	26425.54					
163475.5	163452	162978	162978	162978	91588.36	91666.15	91953.03
8707468	9050970	26425.54					
8707468	9050970	26425.54					
163475.5	163452	162978	162978	162978	91588.36	91666.15	91953.03
6484540	6709563	6799656	6866921	7057939	3995475	4049372	4137637
-2222928	-2341407	6773230	6866921	7057939	3995475	4049372	4137637
8707468	9050970	26425.54					
8205110	8494398	24875.26					
30228.53	30798.61	77.12153					
183678.2	183651.6	183119	183119	183119	91588.36	91666.15	91953.03
7285851	7539055	7640023	7715754	7930449	3995475	4049372	4137637
17.18908	42.22648		9.85167	39.51788	36.22945		18.08783
0.17189	0.422264		0.098516	0.790357	0.724589		0.542634
183678.2	183651.6	183119	183119	183119	91588.36	91666.15	91953.03
20.96783	20.96479	20.904	20.84688	20.904	10.45529	10.46417	10.46943
-944020.8	-979700.7	7615148	7715754	7930449	3995475	4049372	4137637
-944020.8	-979700.7	7615148	7715754	7930449	3995475	4049372	4137637
183119	183119	183119	183119	183119	91588.36	91666.15	91953.03
8205110	8494398	24875.26					
944020.8	979700.7	-7615148	-7715754	-7930449	-3995475	-4049372	-4137637
944020.8	979700.7	-7615148	-7715754	-7930449	-3995475	-4049372	-4137637
0.04	0.01		0.01	0.09	0.04		0.08
2455377	2494703	2534030	2573358	2612687	2627807	2666165	2704707
8229872	8518756	24875.26					

8229872	8518756	24875.26					
183678.2	183651.6	183119	183119	183119	91588.36	91666.15	91953.03
8229872	8518756	24875.26					
8229872	8518756	24875.26					
183678.2	183651.6	183119	183119	183119	91588.36	91666.15	91953.03
7285851	7539055	7640023	7715754	7930449	3995475	4049372	4137637
-944020.8	-979700.7	7615148	7715754	7930449	3995475	4049372	4137637
8229872	8518756	24875.26					
92457.07	92457.05	92457.04	92457.07	92457.06	92457.08	92457.04	92445.2
3651860	3801355	3818937	3864216	3981197	4079921	4176598	4202347
17.84173	27.72422				40.41405	30.59967	25.93347
0.178417	0.831726				0.40414	0.305996	0.778003
92457.07	92457.05	92457.04	92457.07	92457.06	92457.08	92457.04	92445.2
10.55446	10.55446	10.55446	10.52562	10.55446	10.55446	10.55446	10.52547
3651860	3801355	3818937	3864216	3981197	4079921	4176598	4202347
3651860	3801355	3818937	3864216	3981197	4079921	4176598	4202347
92457.07	92457.05	92457.04	92457.07	92457.06	92457.08	92457.04	92445.2
-3651860	-3801355	-3818937	-3864216	-3981197	-4079921	-4176598	-4202347
-3651860	-3801355	-3818937	-3864216	-3981197	-4079921	-4176598	-4202347
0.01	0.03				0.01	0.04	0.07
2430994	2473313	2516491	2530280	2565447	2596097	2673755	2683400
92457.07	92457.05	92457.04	92457.07	92457.06	92457.08	92457.04	92445.2
92457.07	92457.05	92457.04	92457.07	92457.06	92457.08	92457.04	92445.2
3651860	3801355	3818937	3864216	3981197	4079921	4176598	4202347
3651860	3801355	3818937	3864216	3981197	4079921	4176598	4202347
90717.08	90717.04	90717.04	90717.07	90717.05	90717.07	90717.05	90706.65
3604499	3769789	3771849	3818479	3919658	4025906	4131267	4159135

46.97713			32.80807			46.5155	15.00623
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90717.08	90717.04	90717.04	90717.07	90717.05	90717.07	90717.05	90706.65
10.35583	10.35583	10.35583	10.32754	10.35583	10.35583	10.35583	10.32753
3604499	3769789	3771849	3818479	3919658	4025906	4131267	4159135
3604499	3769789	3771849	3818479	3919658	4025906	4131267	4159135
90717.08	90717.04	90717.04	90717.07	90717.05	90717.07	90717.05	90706.65
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0.03			0.01			0.05	0.03
2421283	2473293	2522702	2520386	2566433	2595171	2652380	2682612
90717.08	90717.04	90717.04	90717.07	90717.05	90717.07	90717.05	90706.65
90717.08	90717.04	90717.04	90717.07	90717.05	90717.07	90717.05	90706.65
3604499	3769789	3771849	3818479	3919658	4025906	4131267	4159135
3604499	3769789	3771849	3818479	3919658	4025906	4131267	4159135

3926884	3926884	10760.12					
14352.09	14128.5	33.24025					
76652.04	76652.04	76652.01	76652.03	76652.03	76023.35	76326.72	76498.54
3029091	3162335	3148304	3212161	3320372	3363813	3418549	3478088
76652.04	76652.04	76652.01	76652.03	76652.03	76023.35	76326.72	76498.54
8.750232	8.750233	8.750229	8.726323	8.750232	8.678465	8.713096	8.709841
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76652.04	76652.04	76652.01	76652.03	76652.03	76023.35	76326.72	76498.54
3926884	3926884	10760.12					
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897792.9	764548.9	-3137544	-3212161	-3320372	-3363813	-3418549	-3478088
2431644	2478107	2529814	2551216	2582121	2542900	2580720	2617959
3926884	3926884	10760.12					
3926884	3926884	10760.12					
76652.04	76652.04	76652.01	76652.03	76652.03	76023.35	76326.72	76498.54
3926884	3926884	10760.12					

3926884	3926884	10760.12					
76652.04	76652.04	76652.01	76652.03	76652.03	76023.35	76326.72	76498.54
3029091	3162335	3148304	3212161	3320372	3363813	3418549	3478088
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3926884	3926884	10760.12					
7486159	7486514	25083.85					
27896.1	27465.24	77.94256					
80032.93	80004.4	79754.06	80310.07	90478.55	91588.36	91666.15	91953.03
3054899	3227582	3169211	3267806	3853964	3978198	4032076	4120363
80032.93	80004.4	79754.06	80310.07	90478.55	91588.36	91666.15	91953.03
9.136179	9.132922	9.104344	9.142767	10.3286	10.45529	10.46417	10.46943
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79754.08	79754.07	79754.06	80310.07	90478.55	91588.36	91666.15	91953.03
7486159	7486514	25083.85					
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4457185	4282431	-3144128	-3267806	-3853964	-3978198	-4032076	-4120363
2442518	2488984	2526687	2553806	2586599	2627807	2666165	2704707
7512084	7510013	25083.85					
7512084	7510013	25083.85					
80032.93	80004.4	79754.06	80310.07	90478.55	91588.36	91666.15	91953.03
7512084	7510013	25083.85					
7512084	7510013	25083.85					
80032.93	80004.4	79754.06	80310.07	90478.55	91588.36	91666.15	91953.03
3054899	3227582	3169211	3267806	3853964	3978198	4032076	4120363
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7512084	7510013	25083.85					
28299591	28932939	87144.77					
104459.3	105114.5	270.232					
781028.9	780950.2	779693.2	780249.3	790417.8	627978.7	628515.3	629513.5
30837611	32085187	32231958	32690087	34125128	27598689	28115637	28520282
							1.002933

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30.7389	27.06525	27.49778	31.41929	31.91156	30.19656	33.20341	30.416
17.21379	19.75763	11.54907	14.45287	14.99843	13.58845	15.27357	13.38304
781028.9	780950.2	779693.2	780249.3	790417.8	627978.7	628515.3	629513.5
89.15855	89.14956	89.00607	88.8262	90.23034	71.68706	71.74832	71.67409
2461303	3078563	32144813	32690087	34125128	27598689	28115637	28520282
2461303	3078563	32144813	32690087	34125128	27598689	28115637	28520282
779693.3	779693.3	779693.2	780249.3	790417.8	627978.7	628515.3	629513.3
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10.01	15.18	5.07	6.82	5.99	6.12	5.6	6.58
17073445	17390736	17683586	17836487	18089743	18221823	18564524	18783088
28376307	29006623	87144.77					
28376307	29006623	87144.77					
781028.9	780950.2	779693.2	780249.3	790417.8	627978.7	628515.3	629513.5
28376307	29006623	87144.77					
28376307	29006623	87144.77					
781028.9	780950.2	779693.2	780249.3	790417.8	627978.7	628515.3	629513.5
30837611	32085187	32231958	32690087	34125128	27598689	28115637	28520282
2461303	3078563	32144813	32690087	34125128	27598689	28115637	28520282
28376307	29006623	87144.77					
11.01308	11.00745	11.12019	11.19513	11.17903	11.03466	11.04211	11.06748
0.364667	0.358848	0.357807	0.34442	0.349991	0.391733	0.394436	0.387709
0.347512	0.337727	0.34421	0.331298	0.336721	0.376756	0.379363	0.372894
1.01E+08	1.06E+08	1.1E+08	1.13E+08	1.17E+08	1.23E+08	1.27E+08	1.3E+08
81886236	84614485	55564185	57042164	58458904	72400570	76223205	78920287
291509	296162.1	187282.6	189742.7	190874.4	232827.6	241632.4	246816.3

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94382425	96006100						
0.034519	0.034518	0.034525	0.034506	0.034535	0.03551	0.035521	0.0355
12265849	11917420	12247586	11876987	12033033	13121760	13208023	13038111
23405617	23225554	25842318	26877896	27568633	27340011	28460958	29626107
3.450528	3.507993	3.61196	3.708239	3.788855	3.737008	3.813145	3.902065
19526382	19148283	19411594	18925757	19259530	21051308	21420533	21482866
355331.6	368343	568465.3	602678.2	643685.4	866939.4	969246	969936.2
3064257	3025967	3093371	3101838	3093370	3042414	3042387	3050715
349.8011	345.43	353.1246	353.1236	353.1244	347.3075	347.3044	347.3432
3215796	3215796	3215796	3224606	3215796	3163236	3163236	3171902
367.1	367.1	367.1	367.1	367.1	361.1	361.1	361.1411
1117529	1086062	1106910	1068309	1082829	1191769	1200015	1182783
3452.059	3360.897	3664.383	4062.363	3918.352	3319.791	3316.965	3342.567
39.74756	40.37871	42.03784	43.38578	44.31311	43.25839	44.15017	45.22464
46027362	45446678	48537196	49107905	50251651	52083963	53672056	54940328
67114094	68715116	77057421	77893986	82550652	77483102	78429095	79433015
2455377	2494703	2534030	2573358	2612687	2652014	2691342	2730309
21086733	23268437	28520225	28786081	32299001	25399139	24757039	24492687
97951705	1.01E+08	1.09E+08	1.11E+08	1.17E+08	1.05E+08	1.07E+08	1.08E+08
35197.83	34213.21	37467.17	37394.87	37444.31	39839.96	40085.37	39925.62
7138031	6190285	8319062	8450624	8396122	5522688	5248743	5233083
31.30302	31.68208	32.33622	32.6337	33.45398	35.26222	35.94674	36.25421
15768219	17517402	16364126	17512172	17753257	27012230	28996230	30438596
6698.73	6933.41	6902.36	7102.74	7098.81	7224.53	7279.79	7386.78
301.4067	308.5327	319.6832	325.6224	332.3336	358.9314	362.7898	373.0181
5.219966	5.448071	5.780277	6.071758	6.224606	7.465754	7.56871	7.40967
680077.4	730477.1	772272.7	841651.6	855338.2	927144.9	950535.1	1000544
12674493	12383214	15876981	15430914	17235487	9800263	8827474	8469303
8.60485	8.278135	8.944795	9.063219	8.532309	9.143847	9.171609	8.375388
121922.7	101529.3	124845.7	116851.7	115897.5	94878.92	87723.95	82413.18
69.85341	67.21468	74.52376	77.82151	81.56988	76.65962	72.40319	73.27539
69.69528	67.05982	74.39513	77.46673	81.30615	76.45539	72.32291	73.20242
-556819.1	-627691	-647427	-724799.9	-739440.7	-832265.9	-862811.2	-918011.8

-63.56383	-71.65422	-73.9072	-82.51365	-84.41104	-95.00753	-98.49443	-104.5214
-1.78E+08	-1.81E+08	-55046360	-56910835	-56528617	-75574835	-80150617	-83131569
-72.46561	-72.75648	-21.71411	-22.1195	-21.63222	-28.4934	-29.79655	-30.44422
-1.78E+08	-1.81E+08	-55046360	-56910835	-56528617	-75574835	-80150617	-83131569
1775300	1764226	1761757	1731706	1757349	1724869	1740807	1729764
66118018	67097083	39200059	39529992	40705647	45388341	47226975	48481692
1.72E+08	1.76E+08	49317353	51388774	50975272	69513053	74059649	77119226
1.75E+08	1.81E+08	49804498	53470032	51493042	86725020	94228405	99088519
0.006631	0.010419						
26755117	27093996	28079467	28422509	28917572	29273790	29818012	30176118
110.03	112.21	116.53	123.46	122.3	101.23	100.45	99.78
1081531	1102766	1117175	1139233	1162220	1186423	1210034	1233835
2.76E+08	2.82E+08	1.64E+08	1.67E+08	1.73E+08	1.81E+08	1.87E+08	1.91E+08
1.81E+08	1.86E+08	1.64E+08	1.67E+08	1.73E+08	1.81E+08	1.87E+08	1.91E+08
42931999	42373837	45253912	45803653	46828163	48391319	49881491	51108974
1898558	1867012	1886603	1848558	1873246	1819748	1828531	1812297
1081531	1102766	1117175	1139233	1162220	1186423	1210034	1233835
1.81E+08	1.86E+08	1.64E+08	1.67E+08	1.73E+08	1.81E+08	1.87E+08	1.91E+08
2013832	1970075	2166109	2165019	2261268	2506221	2580532	2597518
28376307	29006623	87144.77					
781028.9	780950.2	779693.2	780249.3	790417.8	627978.7	628515.3	629513.5
30837611	32085187	32231958	32690087	34125128	27598689	28115637	28520282
2461303	3078563	32144813	32690087	34125128	27598689	28115637	28520282
28376307	29006623	87144.77					

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl - SD_IRP_MainPortfolio With County Wind Projects
Date Intervals	Annual
Stats	MEAN
Peak Period Label	5x16

Value	Column Labels					
Row Labels	2017-01	2018-01	2019-01	2020-01	2021-01	2022-01
Fixed Cost						
FIXEDCOST - Fixed Cost	32021631	32662063	33315305	34154313	34933096	35493113
NETREVENUE - Net Revenue $	-3.2E+07	-3.3E+07	-3.3E+07	-3.4E+07	-3.5E+07	-3.5E+07
NETREVENUEUNHEDGED - Net Revenue without hedges	-3.2E+07	-3.3E+07	-3.3E+07	-3.4E+07	-3.5E+07	-3.5E+07
NWECOSTS - NWE Costs	32021631	32662063	33315305	34154313	34933096	35493113
NWECOSTSMPS - NWE Costs w/ MPS	32021631	32662063	33315305	34154313	34933096	35493113
TOTALCOSTOFSUPPLY - Total Cost of Supply	32021631	32662063	33315305	34154313	34933096	35493113
Forward Curve						
N/A						
Aberdeen						
MARKETPRICE - Market Price $/Unit	29.17216	27.65098	30.19984	32.87126	34.38686	35.62107
Basis\CO2 SD Triangular						
MARKETPRICE - Market Price $/Unit	0	0	0	0	21.11001	21.53218
Beethoven						
MARKETPRICE - Market Price $/Unit	29.04216	27.52098	30.07378	32.74939	34.2613	35.49361
Big Stone						
MARKETPRICE - Market Price $/Unit	29.14216	27.62098	30.17075	32.84314	34.35788	35.59166
Coyote						
MARKETPRICE - Market Price $/Unit	28.39216	26.87098	29.4435	32.14003	33.63348	34.85632
Huron						
MARKETPRICE - Market Price $/Unit	28.68216	27.16098	29.7247	32.4119	33.91358	35.14065
Load						
MARKETPRICE - Market Price $/Unit	29.12216	27.60098	30.15135	32.82439	34.33856	35.57205
Neal						
MARKETPRICE - Market Price $/Unit	29.16216	27.64098	30.19014	32.86189	34.3772	35.61126
Oil2 - SD						

MARKETPRICE - Market Price $/Unit	17.96963	18.32902	18.6956	19.06952	19.45091	19.83992
PRB - SD 8400						
MARKETPRICE - Market Price $/Unit	0.89	0.969999	0.989999	1.01	1.03	1.06
SPP - IND HUB						
MARKETPRICE - Market Price $/Unit	28.85216	27.33098	29.88954	32.57127	34.07778	35.30733
VENTURA - AECO						
MARKETPRICE - Market Price $/Unit	3.125557	3.476471	3.802142	4.146493	4.356604	4.509774
N/A - Total						
MARKETPRICE - Market Price $/Unit	21.12937	20.18111	21.94428	23.79161	26.60785	27.51132
Forward Curve - Total						
Forward Curve - Total - Total						
MARKETPRICE - Market Price $/Unit	21.12937	20.18111	21.94428	23.79161	26.60785	27.51132
Generation Asset						
Aberdeen						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	0.13894	0.27788	0.97258	1.80622	1.66728	1.11152
CAPACITYFACTOR - Net Generation Capacity Factor	0.000008	0.000101	0.001892	0.00184	0.002904	0.003541
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.000008	0.000095	0.001843	0.001781	0.002808	0.003391
COSTTOSERVELOAD - Cost to Serve Load			454.9577	1460.728	1816.527	420.6705
COSTTOSERVELOADPMW - Cost to Serve Load PMW			1.990761	5.62656	7.441385	1.596997
EXPORTGENERATION - Export generation	0.8	8.8	169.2	164.8	259.8	312.6
FO - Forced Outage Rate	0.029908	0.03052	0.029771	0.029796	0.030048	0.030219
FUELCONSUMED - Fuel Consumed	11.1152	122.2672	2350.865	2289.731	3609.661	4343.264
FUELCOST - Fuel Cost	199.736	2241.038	43950.84	43664.06	70211.18	86170.04
FUELCOSTPMMBTU - Cost, $/mmBtu	0.190632	0.388888	1.388338	2.629902	2.476152	1.683785
FUELDELIVERYCOST - Fuel Delivery Cost	12.15558	136.3768	2674.814	2657.233	4272.756	5244.057
GENCAPACITY - Net Thermal Generation Capacity MWh	89064.23	89011.8	89072.33	89766	89755.88	89384.85
GENCAPACITYMW - Net Thermal Generation Capacity	21.82947	21.81662	21.83145	21.83025	21.82779	21.82247
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	91800	91800	91800	92520	92520	92160
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5	22.5	22.5	22.5	22.5
GENERATION - Thermal Generation MWh	0.8	8.8	169.2	164.8	259.8	312.6
GENERATIONCOSTPMW - Generation Cost	2.760676	5.517764	30.94254	48.48214	64.33981	38.38297
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	2.760676	5.517764	19.72044	37.10406	34.85277	23.67294
GENERATIONCOSTS - Thermal Generation Costs	220.8541	2403.186	46923.66	46680.83	74998.99	91884.26
GENERATIONGROSSREVENUE - Gross Generation Revenue	238.4192	2844.368	83828.27	64026.07	112356.4	157703.9
GENERATIONNETREVENUE - Net Revenue Generation	17.56512	441.1821	36904.61	17345.24	37357.39	65819.68

GROSSREVENUE - Gross Revenue, $	238.4192	2844.368	83828.27	64026.07	112356.4	157703.9
HOURSRUN - Runtime Hours	0.04	3.41	22.11	31.75	38.87	32.76
MARKETGENERATIONCOST - Market Sales Generation Costs	220.8541	2403.186	46468.7	45220.1	73182.46	91463.59
MARKETSALES - Spot Sales $	238.4192	2844.368	82773.26	61946.31	109027.2	157224.4
MARKETSALESMW - Spot Sales	0.2	0.4	1.392048	2.550985	2.384554	1.599263
MARKETSALESMWH - Spot Sales MWh	0.8	8.8	167.5553	159.6536	253.5188	311.167
MCP - MCP			277.6358	283.3312	290.7054	300.9754
MCPMINSPOTPRICE - MCP min spot price			8.329073	16.99987	20.34937	12.03902
NETPOS - Net Position (MWh)	0.8	8.8	169.2	164.8	259.8	312.6
NETPOSMW - Net position per MW	0.000196	0.002156	0.04147	0.040077	0.06318	0.076318
NETREVENUE - Net Revenue $	17.56512	441.1821	36904.61	17345.24	37357.39	65819.68
NETREVENUEUNHEDGED - Net Revenue without hedges	17.56512	441.1821	36904.61	17345.24	37357.39	65819.68
NLGENERATION - Native Load Generation MWh			1.644671	5.146386	6.281188	1.432989
NLGENERATIONCOST - Native Load Generation Costs			454.9577	1460.728	1816.527	420.6705
NonZeroMCPHour - Market sales hours greater than colstrip price	0.01	0.15	1.36	2.08	2.43	2.07
NWECOSTS - NWE Costs	-17.5651	-441.182	-36904.6	-17345.2	-37357.4	-65819.7
NWECOSTSMPS - NWE Costs w/ MPS	-255.984	-3285.55	-119678	-79291.5	-146385	-223044
OTHERMCPHOUR - Other MCP Hours			0.01	0.04	0.05	0.03
PORTFOLIOLOADNATIVE - Portfolio Load	8.3343	104.0159	1856.458	1960.664	3085.78	3980.894
STARTS - Number Starts	0.01	0.02	0.14	0.21	0.26	0.13
STARTUPCOST - StartupCost	8.1465	16.619	118.6598	181.5492	229.2706	116.9272
TOTALCOSTOFSUPPLY - Total Cost of Supply	220.8541	2403.186	46923.66	46680.83	74998.99	91884.26
TOTALCOSTS - Total Cost	220.8541	2403.186	46923.66	46680.83	74998.99	91884.26
TOTALFUELCOST - Total Fuel Cost	211.8916	2377.415	46625.65	46321.3	74483.94	91414.09
TOTALGEN - All Generation	0.8	8.8	169.2	164.8	259.8	312.6
TOTALSTARTUPCOST - TotalStartupCost	8.1465	16.619	118.6598	181.5492	229.2706	116.9272
TOTALVARIABLECOST - Variable Costs $	220.8541	2403.186	46923.66	46680.83	74998.99	91884.26
VOMCOSTS - VOM Costs	0.816	9.151999	179.352	177.984	285.78	353.238
Aberdeen GS2						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	9.418999	9.230619	9.324809	8.948049	8.665479	9.136429
CAPACITYFACTOR - Net Generation Capacity Factor	0.212019	0.175104	0.176237	0.182809	0.177392	0.181296
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.205916	0.169816	0.170818	0.177361	0.172081	0.175939
COSTTOSERVELOAD - Cost to Serve Load	276067.2	293645.2	378483.6	396430.8	452851	623560.6
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1093.256	1182.186	1488.964	1460.08	1692.426	2325.029
EXPORTGENERATION - Export generation	48728.12	40185.3	40422.52	42299.98	41040.8	41797.7

FO - Forced Outage Rate	0.029389	0.030325	0.030966	0.030067	0.029749	0.030251
FUELCONSUMED - Fuel Consumed	458970.2	378505.3	380739.7	398423.5	386563.3	393692.5
FUELCOST - Fuel Cost	1363023	1265858	1431542	1639941	1725098	1722337
FUELCOSTPMMBTU - Cost, $/mmBtu	2.966284	3.265358	3.604112	3.809136	3.881714	4.17877
GASNLFUELCONSUMED - Native Load Gas Used	75736.89	72989.8	85255.53	81725.74	88503.05	122717
GENCAPACITY - Net Thermal Generation Capacity MWh	229678.3	229467.7	229330.3	231336.5	231399.7	230385.9
GENCAPACITYMW - Net Thermal Generation Capacity	56.29369	56.24209	56.2084	56.25887	56.27425	56.24655
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	236640	236640	236640	238496	238496	237568
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58	58	58	58	58
GENERATION - Thermal Generation MWh	48728.12	40185.3	40422.52	42299.98	41040.8	41797.7
GENERATIONCOSTPMW - Generation Cost	304.0551	281.3581	271.1216	287.3492	276.5455	319.1493
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	35.17166	37.99611	41.48236	43.18175	43.82743	47.13357
GENERATIONCOSTS - Thermal Generation Costs	1714599	1561458	1734647	1963225	2044917	2054605
GENERATIONGROSSREVENUE - Gross Generation Revenue	2503448	2376240	3044266	3443275	3835139	3611604
GENERATIONNETREVENUE - Net Revenue Generation	788848.9	814781.5	1309619	1480050	1790222	1556999
GROSSREVENUE - Gross Revenue, $	2503448	2376240	3044266	3443275	3835139	3611604
HOURSRUN - Runtime Hours	2381.26	2097.81	1924.99	1902.34	1860.1	1939.91
MARKETGENERATIONCOST - Market Sales Generation Costs	1438532	1267809	1356164	1566794	1592066	1431044
MARKETSALES - Spot Sales $	2075744	1904354	2378573	2736503	2954459	2544171
MARKETSALESMW - Spot Sales	52.06004	50.32713	48.94946	48.25851	46.13938	45.5753
MARKETSALESMWH - Spot Sales MWh	40687.26	32436.09	31371.08	33623.29	31644.57	28769.03
MCP - MCP	34.84069	39.04918	42.22242	46.09882	48.67774	49.40579
MCPMINSPOTPRICE - MCP min spot price	34.80395	38.22828	41.32142	43.28297	42.76747	47.88505
NETPOS - Net Position (MWh)	48728.12	40185.3	40422.52	42299.98	41040.8	41797.7
NETPOSMW - Net position per MW	11.94317	9.849338	9.90748	10.28696	9.980739	10.20452
NETREVENUE - Net Revenue $	788848.9	814781.5	1309619	1480050	1790222	1556999
NETREVENUEUNHEDGED - Net Revenue without hedges	788848.9	814781.5	1309619	1480050	1790222	1556999
NLGENERATION - Native Load Generation MWh	8040.863	7749.209	9051.441	8676.69	9396.225	13028.67
NLGENERATIONCOST - Native Load Generation Costs	276067.2	293645.2	378483.6	396430.8	452851	623560.6
NonZeroMCPHour - Market sales hours greater than colstrip price	302.61	251.95	234.43	246.07	218.05	248.94
NWECOSTS - NWE Costs	-788849	-814782	-1309619	-1480050	-1790222	-1556999
NWECOSTSMPS - NWE Costs w/ MPS	-2864593	-2719136	-3688192	-4216553	-4744681	-4101170
OTHERMCPHOUR - Other MCP Hours	18.18	21.67	27.13	23	23.93	40.21
PORTFOLIOLOADNATIVE - Portfolio Load	193930.2	164771.1	168537	180097.4	176866.1	184900.8
STARTS - Number Starts	9.77	7.99	7.1	6.67	6.35	7.02

STARTUPCOST - StartupCost	3657.693	3051.141	2765.521	2649.991	2573.274	2901.717
TOTALCOSTOFSUPPLY - Total Cost of Supply	1714599	1561458	1734647	1963225	2044917	2054605
TOTALCOSTS - Total Cost	1714599	1561458	1734647	1963225	2044917	2054605
TOTALFUELCOST - Total Fuel Cost	1363023	1265858	1431542	1639941	1725098	1722337
TOTALGEN - All Generation	48728.12	40185.3	40422.52	42299.98	41040.8	41797.7
TOTALSTARTUPCOST - TotalStartupCost	3657.693	3051.141	2765.521	2649.991	2573.274	2901.717
TOTALVARIABLECOST - Variable Costs $	1714599	1561458	1734647	1963225	2044917	2054605
VOMCOSTS - VOM Costs	347918.8	292549	300339.3	320633.8	317245.4	329365.9
zeroMCPHour - Market sales hours less than colstrip price						1
Big Stone						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.83383	10.92314	10.95626	10.93291	10.96935	10.9052
CAPACITYFACTOR - Net Generation Capacity Factor	0.700751	0.649526	0.639698	0.652966	0.638673	0.665737
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.67549	0.598709	0.554612	0.629568	0.59153	0.6168
COSTTOSERVELOAD - Cost to Serve Load	5074052	4951574	5232913	5990094	6013233	6821307
COSTTOSERVELOADPMW - Cost to Serve Load PMW	22260.83	21089.68	21870.85	24748.34	24216.07	27162.2
EXPORTGENERATION - Export generation	305916	271143.8	251172.8	287355.3	269993.3	280432
FO - Forced Outage Rate	0.036098	0.036539	0.03549	0.035816	0.036328	0.036132
FUELCONSUMED - Fuel Consumed	3310797	2954454	2740713	3129935	2946575	3048686
FUELCOST - Fuel Cost	2948392	2857046	2709588	3163686	3041084	3228828
FUELCOSTPMMBTU - Cost, $/mmBtu	2.326523	2.400483	2.47542	2.546866	2.619114	2.704262
FUELDELIVERYCOST - Fuel Delivery Cost	4756622	4223982	4072700	4809770	4680635	5014783
GENCAPACITY - Net Thermal Generation Capacity MWh	436516.4	417515.4	392456	440086.1	422673.6	421067.4
GENCAPACITYMW - Net Thermal Generation Capacity	106.9893	102.3322	96.19021	107.0248	102.7903	102.7997
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	452880	452880	452880	456432	456432	454656
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111	111	111	111	111
GENERATION - Thermal Generation MWh	305916	271143.8	251172.8	287355.3	269993.3	280432
GENERATIONCOSTPMW - Generation Cost	323.7454	337.3114	320.0941	358.2123	369.3956	379.0145
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	26.57443	27.62506	28.55124	29.30456	30.2077	31.00088
GENERATIONCOSTS - Thermal Generation Costs	8193989	7528286	7203564	8465756	8193648	8741414
GENERATIONGROSSREVENUE - Gross Generation Revenue	10378468	9094300	9783525	11925606	12034835	12583638
GENERATIONNETREVENUE - Net Revenue Generation	2184479	1566014	2579960	3459851	3841187	3842223
GROSSREVENUE - Gross Revenue, $	10378468	9094300	9783525	11925606	12034835	12583638
HOURSRUN - Runtime Hours	3932.58	3761.22	3535.6	3964.74	3807.75	3793.24
MARKETGENERATIONCOST - Market Sales Generation Costs	3050067	2509056	1908552	2402901	2108076	1845756
MARKETSALES - Spot Sales $	4295848	3658633	3304116	4268503	4064237	3310128

MARKETSALESMW - Spot Sales	56.36306	55.13386	50.73708	52.19699	51.40343	48.0298
MARKETSALESMWH - Spot Sales MWh	116737.8	93480.28	68980.15	84279.79	71922.57	61230.7
MCP - MCP	22.32439	21.14894	20.3779	21.71173	21.76198	23.31114
MCPMINSPOTPRICE - MCP min spot price	21.4667	20.30241	19.7623	20.99095	21.21417	22.95731
NETPOS - Net Position (MWh)	305916	271143.8	251172.8	287355.3	269993.3	280432
NETPOSMW - Net position per MW	74.97941	66.45681	61.56195	69.88212	65.65985	68.46484
NETREVENUE - Net Revenue $	453925.4	21720.65	1147390	1823834	2301013	2248675
NETREVENUEUNHEDGED - Net Revenue without hedges	453925.4	21720.65	1147390	1823834	2301013	2248675
NLGENERATION - Native Load Generation MWh	189178.2	177663.5	182192.6	203075.5	198070.8	219201.3
NLGENERATIONCOST - Native Load Generation Costs	5074052	4951574	5232913	5990094	6013233	6821307
NonZeroMCPHour - Market sales hours greater than colstrip price	1407.8	1117.22	815.22	993.83	830.89	409.69
NWECOSTS - NWE Costs	-2184479	-1566014	-2579960	-3459851	-3841187	-3842223
NWECOSTSMPS - NWE Costs w/ MPS	-6480327	-5224646	-5884077	-7728354	-7905425	-7152351
OTHERMCPHOUR - Other MCP Hours	1572.96	1861.57	1960.33	2112.44	2174.52	2170.43
PO - Planned Outage Rate		0.041666	0.095833		0.041666	0.039682
PORTFOLIOLOADNATIVE - Portfolio Load	855248.4	840761.4	811963.7	916822	904954	918202.1
STARTS - Number Starts	9.68	9.19	8.27	9.5	9.26	9.33
STARTUPCOST - StartupCost	69870.24	67656.78	62099.43	72760.5	72339.12	74350.77
TOTALCOSTOFSUPPLY - Total Cost of Supply	9924542	9072579	8636135	10101772	9733823	10334962
TOTALCOSTS - Total Cost	9924542	9072579	8636135	10101772	9733823	10334962
TOTALFUELCOST - Total Fuel Cost	7705014	7081028	6782288	7973456	7721718	8243611
TOTALGEN - All Generation	305916	271143.8	251172.8	287355.3	269993.3	280432
TOTALSTARTUPCOST - TotalStartupCost	69870.24	67656.78	62099.43	72760.5	72339.12	74350.77
TOTALVARIABLECOST - Variable Costs $	9924542	9072579	8636135	10101772	9733823	10334962
VOMCOSTS - VOM Costs	419104.9	379601.3	359177	419538.7	399590.1	423452.3
zeroMCPHour - Market sales hours less than colstrip price	42.18	49.59	46.13	52.86	41.89	436.98
Clark						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	0.15	0.3	1.05	1.95	1.95	1.2
CAPACITYFACTOR - Net Generation Capacity Factor	0.000007	0.000075	0.001845	0.001629	0.00275	0.003497
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.000007	0.000073	0.001759	0.001588	0.002687	0.003413
COSTTOSERVELOAD - Cost to Serve Load			27.76015	137.3151	167.1403	28.41389
COSTTOSERVELOADPMW - Cost to Serve Load PMW			0.126523	0.52738	0.705973	0.10493
EXPORTGENERATION - Export generation	0.09	0.9	21.54	19.59	33.15	41.94
FO - Forced Outage Rate	0.030226	0.029697	0.029991	0.029307	0.030262	0.030305
FUELCONSUMED - Fuel Consumed	1.35	13.5	323.1	293.85	497.25	629.1

FUELCOST - Fuel Cost	24.259	247.4418	6040.55	5603.577	9671.963	12481.3
FUELCOSTPMMBTU - Cost, $/mmBtu	0.190632	0.388888	1.388338	2.629902	2.682498	1.683785
FUELDELIVERYCOST - Fuel Delivery Cost	1.47636	15.0579	367.6232	341.0129	588.5948	759.5753
GENCAPACITY - Net Thermal Generation Capacity MWh	11870.31	11876.49	11875.17	11973.48	11963.22	11915.73
GENCAPACITYMW - Net Thermal Generation Capacity	2.909389	2.910904	2.91058	2.911838	2.909343	2.909113
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	12240	12240	12240	12336	12336	12288
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3	3	3
GENERATION - Thermal Generation MWh	0.09	0.9	21.54	19.59	33.15	41.94
GENERATIONCOSTPMW - Generation Cost	2.859484	5.833326	32.72512	54.62104	74.28458	41.04228
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	2.859484	5.833326	20.82507	39.44853	40.23748	25.25679
GENERATIONCOSTS - Thermal Generation Costs	25.73536	262.4997	6408.173	5944.59	10260.56	13240.87
GENERATIONGROSSREVENUE - Gross Generation Revenue	27.41759	314.7479	11459.05	8243.711	15341.63	22195.36
GENERATIONNETREVENUE - Net Revenue Generation	1.682233	52.2482	5050.872	2299.121	5081.075	8954.492
GROSSREVENUE - Gross Revenue, $	27.41759	314.7479	11459.05	8243.711	15341.63	22195.36
HOURSRUN - Runtime Hours	0.03	0.3	7.18	6.53	11.05	13.98
MARKETGENERATIONCOST - Market Sales Generation Costs	25.73536	262.4997	6380.413	5807.275	10093.42	13212.46
MARKETSALES - Spot Sales $	27.41759	314.7479	11364.32	8037.31	15035.19	22164.03
MARKETSALESMW - Spot Sales	0.03	0.06	0.209991	0.389986	0.39	0.24
MARKETSALESMWH - Spot Sales MWh	0.09	0.9	21.44669	19.13749	32.61	41.85
MCP - MCP			297.5011	303.4502		
MCPMINSPOTPRICE - MCP min spot price			2.97501	3.034502		
NETPOS - Net Position (MWh)	0.09	0.9	21.54	19.59	33.15	41.94
NETPOSMW - Net position per MW	0.000022	0.00022	0.005279	0.004764	0.008061	0.010239
NETREVENUE - Net Revenue $	1.682233	52.2482	5050.872	2299.121	5081.075	8954.492
NETREVENUEUNHEDGED - Net Revenue without hedges	1.682233	52.2482	5050.872	2299.121	5081.075	8954.492
NLGENERATION - Native Load Generation MWh			0.093311	0.452512	0.54	0.09
NLGENERATIONCOST - Native Load Generation Costs			27.76015	137.3151	167.1403	28.41389
NonZeroMCPHour - Market sales hours greater than colstrip price						
NWECOSTS - NWE Costs	-1.68223	-52.2482	-5050.87	-2299.12	-5081.07	-8954.49
NWECOSTSMPS - NWE Costs w/ MPS	-29.0998	-366.996	-16415.2	-10336.4	-20116.3	-31118.5
OTHERMCPHOUR - Other MCP Hours						
PORTFOLIOLOADNATIVE - Portfolio Load	6.2474	72.379	1579.238	1539.157	2583.378	3558.62
STARTS - Number Starts	0.01	0.1	1.07	1.31	2.04	2.16
TOTALCOSTOFSUPPLY - Total Cost of Supply	25.73536	262.4997	6408.173	5944.59	10260.56	13240.87
TOTALCOSTS - Total Cost	25.73536	262.4997	6408.173	5944.59	10260.56	13240.87

TOTALFUELCOST - Total Fuel Cost	25.73536	262.4997	6408.173	5944.59	10260.56	13240.87
TOTALGEN - All Generation	0.09	0.9	21.54	19.59	33.15	41.94
TOTALVARIABLECOST - Variable Costs $	25.73536	262.4997	6408.173	5944.59	10260.56	13240.87
Coyote						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.29498	11.38247	11.53343	11.41057	11.51083	11.40047
CAPACITYFACTOR - Net Generation Capacity Factor	0.77643	0.740082	0.692125	0.737775	0.699114	0.741137
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.704903	0.677781	0.564751	0.662243	0.632657	0.606657
COSTTOSERVELOAD - Cost to Serve Load	2553747	2531073	2374502	2609763	2731225	2649218
COSTTOSERVELOADPMW - Cost to Serve Load PMW	11356.31	11123.46	10013.79	11027.73	11302.21	10577.53
EXPORTGENERATION - Export generation	123668.3	118910	99080.03	117095.2	111864	106849.4
FO - Forced Outage Rate	0.04723	0.046539	0.046098	0.046572	0.046968	0.047775
FUELCONSUMED - Fuel Consumed	1395684	1349973	1135284	1330599	1280172	1213210
FUELCOST - Fuel Cost	1242545	1306187	1122948	1343941	1320534	1286199
FUELCOSTPMMBTU - Cost, $/mmBtu	1.868182	1.79995	2.101086	1.878677	2.048309	2.096481
FUELDELIVERYCOST - Fuel Delivery Cost	1365537	1119532	1261868	1155892	1302959	1257493
GENCAPACITY - Net Thermal Generation Capacity MWh	159263.4	160634.2	143141.4	158675.6	159998.3	144186.3
GENCAPACITYMW - Net Thermal Generation Capacity	39.03515	39.37114	35.08368	38.58842	38.91009	35.20174
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	175440	175440	175440	176816	176816	176128
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43	43	43	43	43
GENERATION - Thermal Generation MWh	123668.3	118910	99080.03	117095.2	111864	106849.4
GENERATIONCOSTPMW - Generation Cost	270.5322	264.8299	285.2441	277.7022	304.4909	281.8029
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	21.99037	21.40333	25.16294	22.3874	24.54486	24.88989
GENERATIONCOSTS - Thermal Generation Costs	2761737	2578316	2516999	2654527	2778410	2691608
GENERATIONGROSSREVENUE - Gross Generation Revenue	3952891	3734522	3624153	4533420	4703551	4487418
GENERATIONNETREVENUE - Net Revenue Generation	1191154	1156206	1107154	1878893	1925141	1795809
GROSSREVENUE - Gross Revenue, $	3952891	3734522	3624153	4533420	4703551	4487418
HOURSRUN - Runtime Hours	3702.96	3734.93	3328.68	3689.06	3719.67	3352.78
MARKETGENERATIONCOST - Market Sales Generation Costs	164399.8	2854.639	102457.7	1309.618	775.452	254.2412
MARKETSALES - Spot Sales $	247838.6	4220.588	162911.7	2152.359	1314.592	388.0179
MARKETSALESMW - Spot Sales	19.8939	7.225568	18.96516	6.530312	5.915299	3.626793
MARKETSALESMWH - Spot Sales MWh	7639.8	137.3151	4252.943	60.07729	32.39004	10.50801
MCP - MCP	21.77236	17.70077	21.21532	22.42465	16.65319	25.96511
MCPMINSPOTPRICE - MCP min spot price	21.59883	17.63585	21.15056	21.88757	16.62153	25.40833
NETPOS - Net Position (MWh)	123668.3	118910	99080.03	117095.2	111864	106849.4
NETPOSMW - Net position per MW	30.31086	29.14462	24.28432	28.47647	27.20428	26.08628

NETREVENUE - Net Revenue $	461630.5	450574.8	513741.1	1183389	1255996	1161664
NETREVENUEUNHEDGED - Net Revenue without hedges	461630.5	450574.8	513741.1	1183389	1255996	1161664
NLGENERATION - Native Load Generation MWh	116028.5	118772.7	94827.09	117035.2	111831.6	106838.9
NLGENERATIONCOST - Native Load Generation Costs	2553747	2531073	2374502	2609763	2731225	2649218
NonZeroMCPHour - Market sales hours greater than colstrip price	19.21	1.19	47.32	0.08	0.2	
NWECOSTS - NWE Costs	-1191154	-1156206	-1107154	-1878893	-1925141	-1795809
NWECOSTSMPS - NWE Costs w/ MPS	-1438993	-1160426	-1270066	-1881046	-1926456	-1796198
OTHERMCPHOUR - Other MCP Hours	153.66	116.7	417.55	28.66	93.92	42.05
PO - Planned Outage Rate	0.04659	0.039234	0.145238	0.060191	0.05194	0.140512
PORTFOLIOLOADNATIVE - Portfolio Load	798116.1	820840.6	759265.1	846406	872620.7	812348.2
STARTS - Number Starts	12.21	12.19	10.78	11.47	12.01	10.69
STARTUPCOST - StartupCost	43589.7	44388.67	40039.38	43454.21	46410.03	42135.36
TOTALCOSTOFSUPPLY - Total Cost of Supply	3491261	3283947	3110412	3350031	3447556	3325753
TOTALCOSTS - Total Cost	3491261	3283947	3110412	3350031	3447556	3325753
TOTALFUELCOST - Total Fuel Cost	2608082	2425720	2384816	2499832	2623492	2543692
TOTALGEN - All Generation	123668.3	118910	99080.03	117095.2	111864	106849.4
TOTALSTARTUPCOST - TotalStartupCost	43589.7	44388.67	40039.38	43454.21	46410.03	42135.36
TOTALVARIABLECOST - Variable Costs $	3491261	3283947	3110412	3350031	3447556	3325753
VOMCOSTS - VOM Costs	110064.8	108208.1	92144.43	111240.5	108508.1	105780.9
zeroMCPHour - Market sales hours less than colstrip price	0.15	0.04	0.2			0.03
Faulkton						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	0.15	0.3	1.05	1.95	1.95	1.2
CAPACITYFACTOR - Net Generation Capacity Factor	0.000007	0.000093	0.001823	0.001603	0.002716	0.00349
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.000007	0.00009	0.001789	0.001566	0.002653	0.003386
COSTTOSERVELOAD - Cost to Serve Load			26.77509	135.7326	160.3924	28.41389
COSTTOSERVELOADPMW - Cost to Serve Load PMW			0.121975	0.521412	0.676516	0.10493
EXPORTGENERATION - Export generation	0.09	1.11	21.9	19.32	32.73	41.61
FO - Forced Outage Rate	0.028671	0.029116	0.031051	0.030782	0.031102	0.028739
FUELCONSUMED - Fuel Consumed	1.35	16.65	328.5	289.8	490.95	624.15
FUELCOST - Fuel Cost	24.259	305.1782	6141.506	5526.346	9549.422	12383.09
FUELCOSTPMMBTU - Cost, $/mmBtu	0.190632	0.388888	1.388338	2.629902	2.682498	1.683785
FUELDELIVERYCOST - Fuel Delivery Cost	1.47636	18.57141	373.7673	336.3129	581.1375	753.5987
GENCAPACITY - Net Thermal Generation Capacity MWh	11889.39	11883.27	11858.7	11955.12	11951.79	11936.07
GENCAPACITYMW - Net Thermal Generation Capacity	2.914066	2.912566	2.906544	2.907373	2.906563	2.914079
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	12240	12240	12240	12336	12336	12288

GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3	3	3
GENERATION - Thermal Generation MWh	0.09	1.11	21.9	19.32	32.73	41.61
GENERATIONCOSTPMW - Generation Cost	2.859484	5.833326	32.72512	54.62104	74.28458	41.04228
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	2.859484	5.833326	20.82507	39.44853	40.23748	25.25679
GENERATIONCOSTS - Thermal Generation Costs	25.73536	323.7496	6515.273	5862.659	10130.56	13136.69
GENERATIONGROSSREVENUE - Gross Generation Revenue	27.41759	387.6118	11592	8148.779	15094.77	22032.81
GENERATIONNETREVENUE - Net Revenue Generation	1.682233	63.86218	5076.724	2286.12	4964.212	8896.124
GROSSREVENUE - Gross Revenue, $	27.41759	387.6118	11592	8148.779	15094.77	22032.81
HOURSRUN - Runtime Hours	0.03	0.37	7.3	6.44	10.91	13.87
MARKETGENERATIONCOST - Market Sales Generation Costs	25.73536	323.7496	6488.498	5726.926	9970.167	13108.27
MARKETSALES - Spot Sales $	27.41759	387.6118	11499.92	7944.147	14807.51	22001.48
MARKETSALESMW - Spot Sales	0.03	0.06	0.21	0.38545	0.389851	0.24
MARKETSALESMWH - Spot Sales MWh	0.09	1.11	21.81	18.8727	32.2118	41.52
MCP - MCP				303.4502	315.4815	
MCPMINSPOTPRICE - MCP min spot price				3.034502	9.464446	
NETPOS - Net Position (MWh)	0.09	1.11	21.9	19.32	32.73	41.61
NETPOSMW - Net position per MW	0.000022	0.000272	0.005367	0.004698	0.007959	0.010158
NETREVENUE - Net Revenue $	1.682233	63.86218	5076.724	2286.12	4964.212	8896.124
NETREVENUEUNHEDGED - Net Revenue without hedges	1.682233	63.86218	5076.724	2286.12	4964.212	8896.124
NLGENERATION - Native Load Generation MWh			0.09	0.447297	0.518198	0.09
NLGENERATIONCOST - Native Load Generation Costs			26.77509	135.7326	160.3924	28.41389
NonZeroMCPHour - Market sales hours greater than colstrip price	0.03		0.08		0.54	0.04
NWECOSTS - NWE Costs	-1.68223	-63.8622	-5076.72	-2286.12	-4964.21	-8896.12
NWECOSTSMPS - NWE Costs w/ MPS	-29.0998	-451.474	-16576.6	-10230.3	-19771.7	-30897.6
OTHERMCPHOUR - Other MCP Hours					0.01	
PORTFOLIOLOADNATIVE - Portfolio Load	6.2474	90.7434	1606.353	1512.039	2552.464	3527.64
STARTS - Number Starts	0.01	0.12	1.09	1.27	2.03	2.19
TOTALCOSTOFSUPPLY - Total Cost of Supply	25.73536	323.7496	6515.273	5862.659	10130.56	13136.69
TOTALCOSTS - Total Cost	25.73536	323.7496	6515.273	5862.659	10130.56	13136.69
TOTALFUELCOST - Total Fuel Cost	25.73536	323.7496	6515.273	5862.659	10130.56	13136.69
TOTALGEN - All Generation	0.09	1.11	21.9	19.32	32.73	41.61
TOTALVARIABLECOST - Variable Costs $	25.73536	323.7496	6515.273	5862.659	10130.56	13136.69
Huron						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	14.27267	13.68741	13.13567	13.14371	11.86587	13.40972
CAPACITYFACTOR - Net Generation Capacity Factor	0.119099	0.097304	0.102814	0.106445	0.109659	0.100724

CAPACITYFACTORNOOUTS - Capacity Factor, %	0.115624	0.09422	0.099611	0.103178	0.106328	0.097818
COSTTOSERVELOAD - Cost to Serve Load	54082.12	62464.16	70268.19	83557.56	116311.9	133783.4
COSTTOSERVELOADPMW - Cost to Serve Load PMW	208.7747	253.3862	264.5617	297.8062	431.9266	478.2903
EXPORTGENERATION - Export generation	23587.3	19221	20320.8	21213.4	21861.1	20033.2
FO - Forced Outage Rate	0.030036	0.030918	0.030983	0.030272	0.030141	0.030587
FUELCONSUMED - Fuel Consumed	338100.5	276100.2	292573.2	305527.4	315349.1	288234.8
FUELCOST - Fuel Cost	978598.1	902893.6	1078294	1239900	1398184	1227174
FUELCOSTPMMBTU - Cost, $/mmBtu	2.886447	3.102377	3.297159	3.58407	3.415989	3.916668
GASNLFUELCONSUMED - Native Load Gas Used	19094.82	19481.42	19507.02	21087.33	27602.74	32277.72
GENCAPACITY - Net Thermal Generation Capacity MWh	197869.3	197738.5	197674.8	199395.1	199446.1	198485.4
GENCAPACITYMW - Net Thermal Generation Capacity	48.49738	48.46532	48.44971	48.49103	48.50343	48.45835
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	204000	204000	204000	205600	205600	204800
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50	50	50	50	50
GENERATION - Thermal Generation MWh	23587.3	19221	20320.8	21213.4	21861.1	20033.2
GENERATIONCOSTPMW - Generation Cost	451.6826	387.1073	407.3075	457.7117	452.7476	478.1537
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	41.45246	44.53142	47.38566	51.54756	49.14764	56.21306
GENERATIONCOSTS - Thermal Generation Costs	983914.1	907540.8	1083311	1245309	1403661	1232466
GENERATIONGROSSREVENUE - Gross Generation Revenue	1402596	1348625	1902082	2119504	2527647	2194844
GENERATIONNETREVENUE - Net Revenue Generation	418681.6	441083.8	818770.5	874194.8	1123986	962377.5
GROSSREVENUE - Gross Revenue, $	1402596	1348625	1902082	2119504	2527647	2194844
HOURSRUN - Runtime Hours	3009.87	2445.49	2258.74	2301.44	2232.86	2252.08
MARKETGENERATIONCOST - Market Sales Generation Costs	929832	845076.7	1013043	1161752	1287349	1098683
MARKETSALES - Spot Sales $	1323120	1251103	1778753	1977819	2308973	1978300
MARKETSALESMW - Spot Sales	24.19584	22.34791	21.2804	21.57147	19.35396	21.37253
MARKETSALESMWH - Spot Sales MWh	22236.74	17842.94	18943.27	19724.73	19916.79	17754.41
MCP - MCP	46.8082	53.34804	61.14255	64.01428	70.60436	69.87971
MCPMINSPOTPRICE - MCP min spot price	45.1654	48.91056	51.32811	54.30687	53.61961	63.5231
NETPOS - Net Position (MWh)	23587.3	19221	20320.8	21213.4	21861.1	20033.2
NETPOSMW - Net position per MW	5.7812	4.711029	4.980588	5.1589	5.316415	4.890917
NETREVENUE - Net Revenue $	418681.6	441083.8	818770.5	874194.8	1123986	962377.5
NETREVENUEUNHEDGED - Net Revenue without hedges	418681.6	441083.8	818770.5	874194.8	1123986	962377.5
NLGENERATION - Native Load Generation MWh	1350.56	1378.056	1377.526	1488.667	1944.312	2278.793
NLGENERATIONCOST - Native Load Generation Costs	54082.12	62464.16	70268.19	83557.56	116311.9	133783.4
NonZeroMCPHour - Market sales hours greater than colstrip price	355.13	300.36	320.9	332.71	345.55	298.43
NWECOSTS - NWE Costs	-418682	-441084	-818771	-874195	-1123986	-962377

NWECOSTSMPS - NWE Costs w/ MPS	-1741802	-1692186	-2597523	-2852014	-3432959	-2940677
OTHERMCPHOUR - Other MCP Hours	8.3	8.32	9	9.43	13.42	15.27
PORTFOLIOLOADNATIVE - Portfolio Load	184690	156598.9	172746.1	184556.5	195833.6	179102.1
STARTS - Number Starts	4.75	3.95	3.74	3.81	3.38	3.77
STARTUPCOST - StartupCost	2637.35	2218.475	2161.738	2335.425	2069.578	2365.813
TOTALCOSTOFSUPPLY - Total Cost of Supply	983914.1	907540.8	1083311	1245309	1403661	1232466
TOTALCOSTS - Total Cost	983914.1	907540.8	1083311	1245309	1403661	1232466
TOTALFUELCOST - Total Fuel Cost	978598.1	902893.6	1078294	1239900	1398184	1227174
TOTALGEN - All Generation	23587.3	19221	20320.8	21213.4	21861.1	20033.2
TOTALSTARTUPCOST - TotalStartupCost	2637.35	2218.475	2161.738	2335.425	2069.578	2365.813
TOTALVARIABLECOST - Variable Costs $	983914.1	907540.8	1083311	1245309	1403661	1232466
VOMCOSTS - VOM Costs	2678.622	2428.816	2855.64	3074.328	3407.69	2926.7
zeroMCPHour - Market sales hours less than colstrip price						0.07
Mobile Unit						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		0.3	1.05	1.95	1.95	1.2
CAPACITYFACTOR - Net Generation Capacity Factor		0.000093	0.001837	0.001654	0.00268	0.003591
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.00009	0.001769	0.001617	0.002587	0.003508
COSTTOSERVELOAD - Cost to Serve Load			35.70013	169.9321	154.186	26.40033
COSTTOSERVELOADPMW - Cost to Serve Load PMW			0.162634	0.657789	0.652406	0.098211
EXPORTGENERATION - Export generation		1.48	28.88	26.6	42.56	57.48
FO - Forced Outage Rate	0.031085	0.030429	0.029047	0.028821	0.029273	0.030774
FUELCONSUMED - Fuel Consumed		22.2	433.2	399	638.4	862.2
FUELCOST - Fuel Cost		406.9043	8098.935	7608.737	12417.46	17105.98
FUELCOSTPMMBTU - Cost, $/mmBtu		0.388888	1.388338	2.629902	2.682498	1.683785
FUELDELIVERYCOST - Fuel Delivery Cost		24.76188	492.895	463.0395	755.6741	1041.02
GENCAPACITY - Net Thermal Generation Capacity MWh	15812.52	15822.52	15845.52	15973.44	15967.24	15881.04
GENCAPACITYMW - Net Thermal Generation Capacity	3.875617	3.878068	3.883705	3.884591	3.883083	3.877207
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	16320	16320	16320	16448	16448	16384
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4	4	4	4	4
GENERATION - Thermal Generation MWh		1.48	28.88	26.6	42.56	57.48
GENERATIONCOSTPMW - Generation Cost		5.833326	32.72512	54.62104	74.28458	41.04228
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		5.833326	20.82507	39.44853	40.23748	25.25679
GENERATIONCOSTS - Thermal Generation Costs		431.6662	8591.83	8071.776	13173.13	18147
GENERATIONGROSSREVENUE - Gross Generation Revenue		516.8158	15351.47	11148.24	19638.05	30296.71
GENERATIONNETREVENUE - Net Revenue Generation		85.14957	6759.642	3076.467	6464.922	12149.71

GROSSREVENUE - Gross Revenue, $		516.8158	15351.47	11148.24	19638.05	30296.71
HOURSRUN - Runtime Hours		0.37	7.22	6.65	10.64	14.37
MARKETGENERATIONCOST - Market Sales Generation Costs		431.6662	8556.13	7901.844	13018.95	18120.6
MARKETSALES - Spot Sales $		516.8158	15228.71	10886.54	19378.91	30267.34
MARKETSALESMW - Spot Sales		0.08	0.28	0.52	0.519144	0.319721
MARKETSALESMWH - Spot Sales MWh		1.48	28.76	26.04	42.06185	57.39638
MCP - MCP			1023.324	442.405	366.1823	333.8046
MCPMINSPOTPRICE - MCP min spot price			10.23324	13.27215	14.64729	6.676091
NETPOS - Net Position (MWh)		1.48	28.88	26.6	42.56	57.48
NETPOSMW - Net position per MW		0.000362	0.007078	0.006468	0.01035	0.014033
NETREVENUE - Net Revenue $		85.14957	6759.642	3076.467	6464.922	12149.71
NETREVENUEUNHEDGED - Net Revenue without hedges		85.14957	6759.642	3076.467	6464.922	12149.71
NLGENERATION - Native Load Generation MWh			0.12	0.56	0.498146	0.083622
NLGENERATIONCOST - Native Load Generation Costs			35.70013	169.9321	154.186	26.40033
NonZeroMCPHour - Market sales hours greater than colstrip price		0.36	7.12	6.4	10.45	14.29
NWECOSTS - NWE Costs		-85.1496	-6759.64	-3076.47	-6464.92	-12149.7
NWECOSTSMPS - NWE Costs w/ MPS		-601.965	-21988.3	-13963	-25843.8	-42417
OTHERMCPHOUR - Other MCP Hours			0.03	0.14	0.09	0.02
PORTFOLIOLOADNATIVE - Portfolio Load		90.7434	1583.811	1563.889	2489.913	3671.521
STARTS - Number Starts		0.12	1.05	1.35	1.97	2.22
TOTALCOSTOFSUPPLY - Total Cost of Supply		431.6662	8591.83	8071.776	13173.13	18147
TOTALCOSTS - Total Cost		431.6662	8591.83	8071.776	13173.13	18147
TOTALFUELCOST - Total Fuel Cost		431.6662	8591.83	8071.776	13173.13	18147
TOTALGEN - All Generation		1.48	28.88	26.6	42.56	57.48
TOTALVARIABLECOST - Variable Costs $		431.6662	8591.83	8071.776	13173.13	18147
Neal						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.11858	10.2494	10.29324	10.28302	10.33264	10.26257
CAPACITYFACTOR - Net Generation Capacity Factor	0.698229	0.577502	0.558986	0.566099	0.540832	0.579687
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.579059	0.531538	0.514944	0.521354	0.499774	0.483167
COSTTOSERVELOAD - Cost to Serve Load	2819150	2809687	2917708	3040917	3073207	3096244
COSTTOSERVELOADPMW - Cost to Serve Load PMW	12406.47	12178.87	12472.58	12687.21	12587.14	12245.56
EXPORTGENERATION - Export generation	138446.2	127084.5	123117	125627.3	120427.3	115972.6
FO - Forced Outage Rate	0.056559	0.057688	0.057527	0.057204	0.057602	0.056149
FUELCONSUMED - Fuel Consumed	1399998	1298293	1259625	1284630	1234905	1184001
FUELCOST - Fuel Cost	1246410	1254102	1244842	1297880	1275338	1255184

FUELCOSTPMMBTU - Cost, $/mmBtu	1.979384	2.232994	2.279565	2.404509	2.503128	2.614706
FUELDELIVERYCOST - Fuel Delivery Cost	1525718	1637797	1625294	1791288	1818027	1841240
GENCAPACITY - Net Thermal Generation Capacity MWh	198279.5	220048.3	220104.5	221939.9	222689.4	200125.4
GENCAPACITYMW - Net Thermal Generation Capacity	48.59793	53.9334	53.94719	53.97371	54.15598	48.85875
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	239088	239088	239088	240963.2	240963.2	240025.6
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.6	58.6	58.6	58.6	58.6	58.6
GENERATION - Thermal Generation MWh	138446.2	127084.5	123117	125627.3	120427.3	115972.6
GENERATIONCOSTPMW - Generation Cost	248.3869	317.6917	328.4291	343.1284	361.2434	337.6068
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.47816	23.35074	23.93352	25.20575	26.35128	27.33279
GENERATIONCOSTS - Thermal Generation Costs	3049978	3194996	3176184	3406911	3408304	3391142
GENERATIONGROSSREVENUE - Gross Generation Revenue	4678393	4457349	4956813	5481909	5791192	5470793
GENERATIONNETREVENUE - Net Revenue Generation	1628414	1262352	1780629	2074998	2382888	2079651
GROSSREVENUE - Gross Revenue, $	4678393	4457349	4956813	5481909	5791192	5470793
HOURSRUN - Runtime Hours	3383.61	3754.54	3755.09	3786.3	3798.85	3415.11
MARKETGENERATIONCOST - Market Sales Generation Costs	15278.36	140671.7	10293.18	108551.4	79166.9	58166.34
MARKETSALES - Spot Sales $	24471.62	219878	19725.02	202641.9	157672.7	100110.2
MARKETSALESMW - Spot Sales	11.35822	19.97645	10.02351	18.99924	18.25403	16.17492
MARKETSALESMWH - Spot Sales MWh	751.7951	6177.232	439.4586	4412.81	3087.985	2179.306
MCP - MCP	20.91964	20.98439	21.26272	22.99104	21.25639	25.3039
MCPMINSPOTPRICE - MCP min spot price	20.79675	20.76944	21.16808	22.78965	21.15453	25.23962
NETPOS - Net Position (MWh)	138446.2	127084.5	123117	125627.3	120427.3	115972.6
NETPOSMW - Net position per MW	33.9329	31.14816	30.17573	30.5514	29.2868	28.31363
NETREVENUE - Net Revenue $	896635.3	583734.5	1122223	1403522	1737403	1460774
NETREVENUEUNHEDGED - Net Revenue without hedges	896635.3	583734.5	1122223	1403522	1737403	1460774
NLGENERATION - Native Load Generation MWh	137694.4	120907.2	122677.5	121214.5	117339.3	113793.3
NLGENERATIONCOST - Native Load Generation Costs	2819150	2809687	2917708	3040917	3073207	3096244
NonZeroMCPHour - Market sales hours greater than colstrip price	0.6	19.58	1.52	10.5	9.27	7.01
NWECOSTS - NWE Costs	-1628414	-1262352	-1780629	-2074998	-2382888	-2079651
NWECOSTSMPS - NWE Costs w/ MPS	-1652886	-1482230	-1800354	-2277640	-2540560	-2179761
OTHERMCPHOUR - Other MCP Hours	18.47	195.04	62.37	162.34	228.05	258.76
PO - Planned Outage Rate	0.117424	0.022727	0.022727	0.025	0.020833	0.117424
PORTFOLIOLOADNATIVE - Portfolio Load	694039.7	775917.6	792232.3	815915.1	838735.2	775700.8
STARTS - Number Starts	13.31	14.81	14.73	14.98	14.6	13.24
STARTUPCOST - StartupCost	215549.3	244637.9	248182.8	257443	255930.6	236732.3
TOTALCOSTOFSUPPLY - Total Cost of Supply	3781757	3873614	3834590	4078387	4053789	4010020

TOTALCOSTS - Total Cost	3781757	3873614	3834590	4078387	4053789	4010020
TOTALFUELCOST - Total Fuel Cost	2772128	2891899	2870136	3089167	3093364	3096424
TOTALGEN - All Generation	138446.2	127084.5	123117	125627.3	120427.3	115972.6
TOTALSTARTUPCOST - TotalStartupCost	215549.3	244637.9	248182.8	257443	255930.6	236732.3
TOTALVARIABLECOST - Variable Costs $	3781757	3873614	3834590	4078387	4053789	4010020
VOMCOSTS - VOM Costs	62300.8	58458.86	57864.98	60301.12	59009.39	57986.31
zeroMCPHour - Market sales hours less than colstrip price	0.01	0.51		0.11	0.11	9.33
Yankton						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	15	13.35	12.45	12.9	11.85	13.2
CAPACITYFACTOR - Net Generation Capacity Factor	0.10737	0.088193	0.094428	0.100037	0.102755	0.092181
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.1042	0.085377	0.091426	0.097375	0.100141	0.089675
COSTTOSERVELOAD - Cost to Serve Load	8045.012	9326.089	11419.04	13000.3	19695.93	19994.7
COSTTOSERVELOADPMW - Cost to Serve Load PMW	30.36592	37.78018	42.17184	45.96301	72.95811	70.501
EXPORTGENERATION - Export generation	5951.96	4876.76	5222.28	5605.74	5764.92	5142.34
FO - Forced Outage Rate	0.030426	0.030409	0.030641	0.029815	0.03007	0.030196
FUELCONSUMED - Fuel Consumed	89279.4	73151.4	78334.2	84086.1	86473.8	77135.1
FUELCOST - Fuel Cost	258156.5	239454.4	288521	341710.6	383340.6	328013
FUELCOSTPMMBTU - Cost, $/mmBtu	2.877352	2.889354	2.992867	3.356982	3.274073	3.666653
GASNLFUELCONSUMED - Native Load Gas Used	2821.437	2899.92	3127.635	3282.935	4652.267	4829.614
GENCAPACITY - Net Thermal Generation Capacity MWh	55380.78	55374.06	55367.2	55853	55834.94	55612.76
GENCAPACITYMW - Net Thermal Generation Capacity	13.57372	13.57207	13.57039	13.58293	13.57854	13.57733
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	57120	57120	57120	57568	57568	57344
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14	14	14	14	14
GENERATION - Thermal Generation MWh	5951.96	4876.76	5222.28	5605.74	5764.92	5142.34
GENERATIONCOSTPMW - Generation Cost	239.1789	198.9671	198.6658	240.8608	228.2689	239.1018
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	43.77389	43.83685	45.8641	50.80143	50.0365	55.65783
GENERATIONCOSTS - Thermal Generation Costs	260498	241281.4	290295.5	343380.1	384989.1	329777
GENERATIONGROSSREVENUE - Gross Generation Revenue	367563.1	354616.1	508768.2	581426.6	688214.8	588414.7
GENERATIONNETREVENUE - Net Revenue Generation	107065.1	113334.6	218472.7	238046.5	303225.7	258637.8
GROSSREVENUE - Gross Revenue, $	367563.1	354616.1	508768.2	581426.6	688214.8	588414.7
HOURSRUN - Runtime Hours	1655.83	1401.98	1236.48	1309.34	1267.45	1243.87
MARKETGENERATIONCOST - Market Sales Generation Costs	252453	231955.4	278876.4	330379.8	365293.2	309782.3
MARKETSALES - Spot Sales $	356203.4	340229.4	490635.4	559660.4	651015.5	556945.8
MARKETSALESMW - Spot Sales	13.90989	12.30887	11.54704	11.94597	10.9064	12.14759
MARKETSALESMWH - Spot Sales MWh	5763.864	4683.432	5013.771	5386.878	5454.769	4820.366

MCP - MCP	45.01152	49.86113	57.80472	62.08926	65.05309	67.1919
MCPMINSPOTPRICE - MCP min spot price	37.17156	37.78794	39.1124	43.91299	44.72793	50.03714
NETPOS - Net Position (MWh)	5951.96	4876.76	5222.28	5605.74	5764.92	5142.34
NETPOSMW - Net position per MW	1.458813	1.195284	1.27997	1.363263	1.401974	1.255454
NETREVENUE - Net Revenue $	107065.1	113334.6	218472.7	238046.5	303225.7	258637.8
NETREVENUEUNHEDGED - Net Revenue without hedges	107065.1	113334.6	218472.7	238046.5	303225.7	258637.8
NLGENERATION - Native Load Generation MWh	188.0958	193.328	208.509	218.8624	310.1512	321.9743
NLGENERATIONCOST - Native Load Generation Costs	8045.012	9326.089	11419.04	13000.3	19695.93	19994.7
NonZeroMCPHour - Market sales hours greater than colstrip price	165.86	120.44	107.68	117.87	103.15	109.43
NWECOSTS - NWE Costs	-107065	-113335	-218473	-238047	-303226	-258638
NWECOSTSMPS - NWE Costs w/ MPS	-463268	-453564	-709108	-797707	-954241	-815584
OTHERMCPHOUR - Other MCP Hours	3.98	3.37	4.07	3.74	4.09	5.41
PORTFOLIOLOADNATIVE - Portfolio Load	99909.69	83377.2	90717.64	99379.43	103530.6	94680.36
STARTS - Number Starts	2.23	1.74	1.69	1.59	1.57	1.68
STARTUPCOST - StartupCost	2341.5	1827	1774.5	1669.5	1648.5	1764
TOTALCOSTOFSUPPLY - Total Cost of Supply	260498	241281.4	290295.5	343380.1	384989.1	329777
TOTALCOSTS - Total Cost	260498	241281.4	290295.5	343380.1	384989.1	329777
TOTALFUELCOST - Total Fuel Cost	258156.5	239454.4	288521	341710.6	383340.6	328013
TOTALGEN - All Generation	5951.96	4876.76	5222.28	5605.74	5764.92	5142.34
TOTALSTARTUPCOST - TotalStartupCost	2341.5	1827	1774.5	1669.5	1648.5	1764
TOTALVARIABLECOST - Variable Costs $	260498	241281.4	290295.5	343380.1	384989.1	329777
zeroMCPHour - Market sales hours less than colstrip price						0.13
Generation Asset - Total						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.82485	10.91522	10.96917	10.9479	11.00923	10.9198
CAPACITYFACTOR - Net Generation Capacity Factor	0.459767	0.412593	0.394712	0.417192	0.401839	0.413795
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.431508	0.3882	0.360253	0.397099	0.378478	0.379532
COSTTOSERVELOAD - Cost to Serve Load	10785144	10657769	10985839	12135667	12408821	13344612
COSTTOSERVELOADPMW - Cost to Serve Load PMW	47356.01	45865.36	46155.32	50274.47	50312.21	52861.02
EXPORTGENERATION - Export generation	646298.9	581433.7	539576.9	599427.3	571319.7	570680.9
FO - Forced Outage Rate	0.034515	0.034827	0.034777	0.034429	0.034699	0.034701
FUELCONSUMED - Fuel Consumed	6992843	6330651	5890705	6536473	6255274	6211418
FUELCOST - Fuel Cost	8037373	7828742	7939966	9089460	9245427	9175875
FUELCOSTPMMBTU - Cost, $/mmBtu	2.236501	2.331827	2.502192	2.542501	2.666065	2.749865
FUELDELIVERYCOST - Fuel Delivery Cost	7647892	6981507	6963771	7760748	7807818	8121314
GASNLFUELCONSUMED - Native Load Gas Used	97653.14	95371.14	107890.2	106096	120758.1	159824.4

GENCAPACITY - Net Thermal Generation Capacity MWh	1405624	1409372	1366726	1436954	1421680	1378981
GENCAPACITYMW - Net Thermal Generation Capacity	344.5157	345.4344	334.9819	349.4539	345.7393	336.6653
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1497768	1497768	1497768	1509515	1509515	1503642
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.1	367.1	367.1	367.1	367.1
GENERATION - Thermal Generation MWh	646298.9	581433.7	539576.9	599427.3	571319.7	570680.9
GENERATIONCOSTPMW - Generation Cost	1846.061	1810.283	1939.98	2177.31	2279.886	2196.339
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	25.66113	26.87425	28.8965	29.30638	30.82158	31.59279
GENERATIONCOSTS - Thermal Generation Costs	16964987	16015301	16073440	18145668	18322493	18577421
GENERATIONGROSSREVENUE - Gross Generation Revenue	23283651	21369715	23941838	28176708	29743011	29168939
GENERATIONNETREVENUE - Net Revenue Generation	6318664	5354414	7868397	10031040	11420518	10591518
GROSSREVENUE - Gross Revenue, $	23283651	21369715	23941838	28176708	29743011	29168939
HOURSRUN - Runtime Hours	18066.21	17200.42	16083.39	17004.59	16758.15	16071.97
MARKETGENERATIONCOST - Market Sales Generation Costs	5850834	5000845	4737280	5636344	5538991	4879591
MARKETSALES - Spot Sales $	8323520	7382481	8255581	9836095	10295921	8721700
MARKETSALESMW - Spot Sales	20.22368	17.29706	16.80683	16.81094	15.91	15.51804
MARKETSALESMWH - Spot Sales MWh	193818.3	154769.6	129240.2	147711.3	132419.5	115216.2
MCP - MCP	33.01461	34.11584	38.92735	42.51617	42.43056	45.72689
MCPMINSPOTPRICE - MCP min spot price	32.73179	33.86469	38.57414	42.26623	42.25009	45.57224
NETPOS - Net Position (MWh)	646298.9	581433.7	539576.9	599427.3	571319.7	570680.9
NETPOSMW - Net position per MW	158.4066	142.5082	132.2492	145.7751	138.9396	139.3264
NETREVENUE - Net Revenue $	3126808	2425872	5184008	7028043	8565713	7744948
NETREVENUEUNHEDGED - Net Revenue without hedges	3126808	2425872	5184008	7028043	8565713	7744948
NLGENERATION - Native Load Generation MWh	452480.6	426664.1	410336.6	451716	438900.2	455464.6
NLGENERATIONCOST - Native Load Generation Costs	10785144	10657769	10985839	12135667	12408821	13344612
NonZeroMCPHour - Market sales hours greater than colstrip price	2251.25	1811.25	1535.63	1709.54	1520.53	1089.9
NWECOSTS - NWE Costs	-6318664	-5354414	-7868397	-1E+07	-1.1E+07	-1.1E+07
NWECOSTSMPS - NWE Costs w/ MPS	-1.5E+07	-1.3E+07	-1.6E+07	-2E+07	-2.2E+07	-1.9E+07
OTHERMCPHOUR - Other MCP Hours	1775.55	2206.67	2480.49	2339.79	2538.08	2532.18
PO - Planned Outage Rate	0.01491	0.00942	0.023981	0.007744	0.010403	0.027056
PORTFOLIOLOADNATIVE - Portfolio Load	2825955	2842625	2802088	3049752	3103252	2979673
STARTS - Number Starts	51.98	50.23	49.66	52.16	53.47	52.43
STARTUPCOST - StartupCost	337654	363796.6	357142.1	380494.2	381200.3	360366.8
TOTALCOSTOFSUPPLY - Total Cost of Supply	20156843	18943842	18757830	21148665	21177298	21423992
TOTALCOSTS - Total Cost	20156843	18943842	18757830	21148665	21177298	21423992
TOTALFUELCOST - Total Fuel Cost	15685264	14810249	14903737	16850207	17053246	17297189

TOTALGEN - All Generation	646298.9	581433.7	539576.9	599427.3	571319.7	570680.9
TOTALSTARTUPCOST - TotalStartupCost	337654	363796.6	357142.1	380494.2	381200.3	360366.8
TOTALVARIABLECOST - Variable Costs $	20156843	18943842	18757830	21148665	21177298	21423992
VOMCOSTS - VOM Costs	942068.7	841255.2	812560.8	914966.5	888046.4	919865.4
zeroMCPHour - Market sales hours less than colstrip price	42.34	50.14	46.33	52.97	42	447.54
Load						
South Dakota Load						
COSTOFSUPPLY - Cost of Supply	27077250	26244703	29320419	32804138	35011772	36863234
COSTTOSERVELOAD - Cost to Serve Load	1778051	2341399	2857117	2708799	3222944	3693462
COSTTOSERVELOADPMW - Cost to Serve Load PMW	7744.003	9868.139	11889.95	10895.44	12674.2	14491.22
EXPORTGENERATION - Export generation	-913211	-933330	-952980	-978421	-1000932	-1016253
GENERATIONLOAD - Load @ Generation	913210.8	933330.2	952980	978421.4	1000932	1016253
MARKETPURCHASES - Spot Purchases $	1778051	2341399	2857117	2708799	3222944	3693462
MARKETPURCHASESHOURS - Market Purchase Flag	1769.56	2203.04	2484.27	2335.45	2537.3	2544.62
MARKETPURCHASESMAX - Max Spot Purchases	194.0237	207.015	215.0541	214.5211	229.5369	229.4207
MARKETPURCHASESMW - Spot Purchases	55.86393	64.4738	70.70732	68.0521	75.53867	75.91219
MARKETPURCHASESMWH - Spot Purchases MWh	101984.1	147214.6	183670.7	166012	199927	200280.3
NETPOS - Net Position (MWh)	-913211	-933330	-952980	-978421	-1000932	-1016253
NETPOSMW - Net position per MW	-223.826	-228.757	-233.574	-237.943	-243.417	-248.109
NETREVENUE - Net Revenue $	-2.7E+07	-2.6E+07	-2.9E+07	-3.3E+07	-3.5E+07	-3.7E+07
NETREVENUEPMW - Net Revenue $/MWh	-29.6518	-28.1232	-30.76	-33.5267	-34.9806	-36.2702
NETREVENUEUNHEDGED - Net Revenue without hedges	-2.7E+07	-2.6E+07	-2.9E+07	-3.3E+07	-3.5E+07	-3.7E+07
NWECOSTS - NWE Costs	27077250	26244703	29320419	32804138	35011772	36863234
NWECOSTSMPS - NWE Costs w/ MPS	28855301	28586102	32177536	35512937	38234716	40556695
PORTFOLIOLOADNATIVE - Portfolio Load	913210.8	933330.2	952980	978421.4	1000932	1016253
TOTALCOSTOFSUPPLY - Total Cost of Supply	27077250	26244703	29320419	32804138	35011772	36863234
TOTALCOSTS - Total Cost	27077250	26244703	29320419	32804138	35011772	36863234
TOTALVARIABLECOST - Variable Costs $	27077250	26244703	29320419	32804138	35011772	36863234
Load - Total						
COSTOFSUPPLY - Cost of Supply	27077250	26244703	29320419	32804138	35011772	36863234
COSTTOSERVELOAD - Cost to Serve Load	1778051	2341399	2857117	2708799	3222944	3693462
COSTTOSERVELOADPMW - Cost to Serve Load PMW	7744.003	9868.139	11889.95	10895.44	12674.2	14491.22
EXPORTGENERATION - Export generation	-913211	-933330	-952980	-978421	-1000932	-1016253
GENERATIONLOAD - Load @ Generation	913210.8	933330.2	952980	978421.4	1000932	1016253
MARKETPURCHASES - Spot Purchases $	1778051	2341399	2857117	2708799	3222944	3693462

MARKETPURCHASESHOURS - Market Purchase Flag	1769.56	2203.04	2484.27	2335.45	2537.3	2544.62
MARKETPURCHASESMAX - Max Spot Purchases	194.0237	207.015	215.0541	214.5211	229.5369	229.4207
MARKETPURCHASESMW - Spot Purchases	55.86393	64.4738	70.70732	68.0521	75.53867	75.91219
MARKETPURCHASESMWH - Spot Purchases MWh	101984.1	147214.6	183670.7	166012	199927	200280.3
NETPOS - Net Position (MWh)	-913211	-933330	-952980	-978421	-1000932	-1016253
NETPOSMW - Net position per MW	-223.826	-228.757	-233.574	-237.943	-243.417	-248.109
NETREVENUE - Net Revenue $	-2.7E+07	-2.6E+07	-2.9E+07	-3.3E+07	-3.5E+07	-3.7E+07
NETREVENUEPMW - Net Revenue $/MWh	-29.6518	-28.1232	-30.76	-33.5267	-34.9806	-36.2702
NETREVENUEUNHEDGED - Net Revenue without hedges	-2.7E+07	-2.6E+07	-2.9E+07	-3.3E+07	-3.5E+07	-3.7E+07
NWECOSTS - NWE Costs	27077250	26244703	29320419	32804138	35011772	36863234
NWECOSTSMPS - NWE Costs w/ MPS	28855301	28586102	32177536	35512937	38234716	40556695
PORTFOLIOLOADNATIVE - Portfolio Load	913210.8	933330.2	952980	978421.4	1000932	1016253
TOTALCOSTOFSUPPLY - Total Cost of Supply	27077250	26244703	29320419	32804138	35011772	36863234
TOTALCOSTS - Total Cost	27077250	26244703	29320419	32804138	35011772	36863234
TOTALVARIABLECOST - Variable Costs $	27077250	26244703	29320419	32804138	35011772	36863234
Wind Asset						
Aurora County Wind						
EXPORTGENERATION - Export generation	44160.12	44199.92	44171.85	44391.3	44620.93	44308.88
GROSSREVENUE - Gross Revenue, $	1245171	1200072	1306077	1424292	1488855	1540428
MARKETSALES - Spot Sales $	0.787105	0.083581				
MARKETSALESMW - Spot Sales	0.03523	0.009897				
MARKETSALESMWH - Spot Sales MWh	0.044539	0.009897				
MCP - MCP	21.61052	18.6976	17.42557	18.57821	18.63781	21.38968
MCPMINSPOTPRICE - MCP min spot price	16.20789	14.21018	15.16025	12.07584	12.67371	19.03682
NETPOS - Net Position (MWh)	44160.12	44199.92	44171.85	44391.3	44620.93	44308.88
NETPOSMW - Net position per MW	10.82356	10.83331	10.82643	10.79555	10.85139	10.8176
NETREVENUE - Net Revenue $	1245171	1200072	1306077	1424292	1488855	1540428
NETREVENUEUNHEDGED - Net Revenue without hedges	1245171	1200072	1306077	1424292	1488855	1540428
NLGENERATION - Native Load Generation MWh	44160.08	44199.91	44171.85	44391.3	44620.93	44308.88
NWECOSTS - NWE Costs	-1245171	-1200072	-1306077	-1424292	-1488855	-1540428
NWECOSTSMPS - NWE Costs w/ MPS	-1245172	-1200072	-1306077	-1424292	-1488855	-1540428
OTHERMCPHOUR - Other MCP Hours	10.86	11.87	17.51	9.69	11.17	26
PORTFOLIOLOADNATIVE - Portfolio Load	906167	924372.7	938719.2	968450.6	992519.2	1005499
TOTALGEN - All Generation	44160.12	44199.92	44171.85	44391.3	44620.93	44308.88
WINDGEN - Generation - Wind	44160.12	44199.92	44171.85	44391.3	44620.93	44308.88

WINDGROSSREVENUE - Gross Wind Revenue	1245171	1200072	1306077	1424292	1488855	1540428
WINDNETREVENUE - Net Wind Revenue $	1245171	1200072	1306077	1424292	1488855	1540428
B & H						
COSTTOSERVELOAD - Cost to Serve Load	2020254	2122763	2236179	2372049	2505875	2616502
COSTTOSERVELOADPMW - Cost to Serve Load PMW	9251.145	9514.522	9817.841	10223.03	10556.61	10810.95
EXPORTGENERATION - Export generation	75130.31	75221.93	75190.95	75446.86	75706.2	75468.77
GROSSREVENUE - Gross Revenue, $	2158961	2062582	2251556	2455715	2582442	2664242
NETPOS - Net Position (MWh)	75130.31	75221.93	75190.95	75446.86	75706.2	75468.77
NETPOSMW - Net position per MW	18.41429	18.43675	18.42915	18.34797	18.41104	18.42499
NETREVENUE - Net Revenue $	138707.2	-60180.6	15377.44	83665.83	76566.18	47739.48
NETREVENUEUNHEDGED - Net Revenue without hedges	138707.2	-60180.6	15377.44	83665.83	76566.18	47739.48
NLGENERATION - Native Load Generation MWh	75130.31	75221.93	75190.95	75446.86	75706.2	75468.77
NLGENERATIONCOST - Native Load Generation Costs	2020254	2122763	2236179	2372049	2505875	2616502
NWECOSTS - NWE Costs	-138707	60180.6	-15377.4	-83665.8	-76566.2	-47739.5
NWECOSTSMPS - NWE Costs w/ MPS	-138707	60180.6	-15377.4	-83665.8	-76566.2	-47739.5
PORTFOLIOLOADNATIVE - Portfolio Load	913210.8	933330.2	952980	978421.4	1000932	1016253
TOTALCOSTOFSUPPLY - Total Cost of Supply	2020254	2122763	2236179	2372049	2505875	2616502
TOTALCOSTS - Total Cost	2020254	2122763	2236179	2372049	2505875	2616502
TOTALGEN - All Generation	75130.31	75221.93	75190.95	75446.86	75706.2	75468.77
TOTALVARIABLECOST - Variable Costs $	2020254	2122763	2236179	2372049	2505875	2616502
WINDCOSTS - Wind Cost	2020254	2122763	2236179	2372049	2505875	2616502
WINDGEN - Generation - Wind	75130.31	75221.93	75190.95	75446.86	75706.2	75468.77
WINDGROSSREVENUE - Gross Wind Revenue	2158961	2062582	2251556	2455715	2582442	2664242
WINDNETREVENUE - Net Wind Revenue $	138707.2	-60180.6	15377.44	83665.83	76566.18	47739.48
WINDTOTALCOST - Wind Total Costs	2020254	2122763	2236179	2372049	2505875	2616502
B & H II						
COSTTOSERVELOAD - Cost to Serve Load	2103489	2193940	2287666	2392902	2498063	2581819
COSTTOSERVELOADPMW - Cost to Serve Load PMW	9632.265	9833.473	10043.81	10312.8	10523.65	10667.58
EXPORTGENERATION - Export generation	84409.66	84512.34	84478.08	84764.5	85054.91	84788.81
GROSSREVENUE - Gross Revenue, $	2425863	2317356	2529912	2759205	2901436	2993322
MCP - MCP		14.73544			12.0755	14.96416
MCPMINSPOTPRICE - MCP min spot price		0.147354			0.724529	1.197132
NETPOS - Net Position (MWh)	84409.66	84512.34	84478.08	84764.5	85054.91	84788.81
NETPOSMW - Net position per MW	20.68864	20.71381	20.70541	20.61393	20.68456	20.70039
NETREVENUE - Net Revenue $	322373.8	123415.3	242245.5	366303	403373.6	411502.4

NETREVENUEUNHEDGED - Net Revenue without hedges	322373.8	123415.3	242245.5	366303	403373.6	411502.4
NLGENERATION - Native Load Generation MWh	84409.66	84512.34	84478.08	84764.5	85054.91	84788.81
NLGENERATIONCOST - Native Load Generation Costs	2103489	2193940	2287666	2392902	2498063	2581819
NWECOSTS - NWE Costs	-322374	-123415	-242246	-366303	-403374	-411502
NWECOSTSMPS - NWE Costs w/ MPS	-322374	-123415	-242246	-366303	-403374	-411502
OTHERMCPHOUR - Other MCP Hours		0.01			0.14	0.27
PORTFOLIOLOADNATIVE - Portfolio Load	913210.8	933330.2	952980	978421.4	1000932	1016253
TOTALCOSTOFSUPPLY - Total Cost of Supply	2103489	2193940	2287666	2392902	2498063	2581819
TOTALCOSTS - Total Cost	2103489	2193940	2287666	2392902	2498063	2581819
TOTALGEN - All Generation	84409.66	84512.34	84478.08	84764.5	85054.91	84788.81
TOTALVARIABLECOST - Variable Costs $	2103489	2193940	2287666	2392902	2498063	2581819
WINDCOSTS - Wind Cost	2103489	2193940	2287666	2392902	2498063	2581819
WINDGEN - Generation - Wind	84409.66	84512.34	84478.08	84764.5	85054.91	84788.81
WINDGROSSREVENUE - Gross Wind Revenue	2425863	2317356	2529912	2759205	2901436	2993322
WINDNETREVENUE - Net Wind Revenue $	322373.8	123415.3	242245.5	366303	403373.6	411502.4
WINDTOTALCOST - Wind Total Costs	2103489	2193940	2287666	2392902	2498063	2581819
Brule County Wind						
EXPORTGENERATION - Export generation	43195.16	43218.16	43185.32	43418.55	43645.85	43337.79
GROSSREVENUE - Gross Revenue, $	1217706	1172650	1274995	1391659	1457044	1506171
MCP - MCP		22.86052	18.89749	15.73671	9.624035	15.59476
MCPMINSPOTPRICE - MCP min spot price		0.228605	0.377949	0.157367	0.19248	0.62379
NETPOS - Net Position (MWh)	43195.16	43218.16	43185.32	43418.55	43645.85	43337.79
NETPOSMW - Net position per MW	10.58705	10.59269	10.58464	10.55899	10.61426	10.58051
NETREVENUE - Net Revenue $	1217706	1172650	1274995	1391659	1457044	1506171
NETREVENUEUNHEDGED - Net Revenue without hedges	1217706	1172650	1274995	1391659	1457044	1506171
NLGENERATION - Native Load Generation MWh	43195.16	43218.16	43185.32	43418.55	43645.85	43337.79
NWECOSTS - NWE Costs	-1217706	-1172650	-1274995	-1391659	-1457044	-1506171
NWECOSTSMPS - NWE Costs w/ MPS	-1217706	-1172650	-1274995	-1391659	-1457044	-1506171
OTHERMCPHOUR - Other MCP Hours		0.06	0.04	0.01	0.02	0.05
PORTFOLIOLOADNATIVE - Portfolio Load	904727.8	917545.3	947754.7	971344.4	989957.2	1003598
TOTALGEN - All Generation	43195.16	43218.16	43185.32	43418.55	43645.85	43337.79
WINDGEN - Generation - Wind	43195.16	43218.16	43185.32	43418.55	43645.85	43337.79
WINDGROSSREVENUE - Gross Wind Revenue	1217706	1172650	1274995	1391659	1457044	1506171
WINDNETREVENUE - Net Wind Revenue $	1217706	1172650	1274995	1391659	1457044	1506171
Davison County Wind						

EXPORTGENERATION - Export generation	43477.07	43532.52	43531.16	43725.44	43904.55	43631.5
GROSSREVENUE - Gross Revenue, $	1228450	1181853	1289985	1402033	1464187	1517542
MCP - MCP					16.3454	11.64053
MCPMINSPOTPRICE - MCP min spot price					0.653816	0.349215
NETPOS - Net Position (MWh)	43477.07	43532.52	43531.16	43725.44	43904.55	43631.5
NETPOSMW - Net position per MW	10.65614	10.66974	10.6694	10.63362	10.67718	10.65222
NETREVENUE - Net Revenue $	1228450	1181853	1289985	1402033	1464187	1517542
NETREVENUEUNHEDGED - Net Revenue without hedges	1228450	1181853	1289985	1402033	1464187	1517542
NLGENERATION - Native Load Generation MWh	43477.07	43532.52	43531.16	43725.44	43904.55	43631.5
NWECOSTS - NWE Costs	-1228450	-1181853	-1289985	-1402033	-1464187	-1517542
NWECOSTSMPS - NWE Costs w/ MPS	-1228450	-1181853	-1289985	-1402033	-1464187	-1517542
OTHERMCPHOUR - Other MCP Hours					0.06	0.06
PORTFOLIOLOADNATIVE - Portfolio Load	906258.6	917565	940121.2	972630.6	989651.8	995749
TOTALGEN - All Generation	43477.07	43532.52	43531.16	43725.44	43904.55	43631.5
WINDGEN - Generation - Wind	43477.07	43532.52	43531.16	43725.44	43904.55	43631.5
WINDGROSSREVENUE - Gross Wind Revenue	1228450	1181853	1289985	1402033	1464187	1517542
WINDNETREVENUE - Net Wind Revenue $	1228450	1181853	1289985	1402033	1464187	1517542
OakTree						
COSTTOSERVELOAD - Cost to Serve Load	1751648	1759159	1751285	1767885	1772175	1768504
COSTTOSERVELOADPMW - Cost to Serve Load PMW	7910.689	7779.013	7580.855	7511.568	7362.825	7208.015
EXPORTGENERATION - Export generation	34191.84	34338.45	34184.76	34508.79	34592.53	34520.87
GROSSREVENUE - Gross Revenue, $	999781	948825.8	1033987	1129045	1191094	1224072
NETPOS - Net Position (MWh)	34191.84	34338.45	34184.76	34508.79	34592.53	34520.87
NETPOSMW - Net position per MW	8.380353	8.416287	8.378617	8.392214	8.412579	8.427946
NETREVENUE - Net Revenue $	-751867	-810333	-717298	-638840	-581081	-544433
NETREVENUEUNHEDGED - Net Revenue without hedges	-751867	-810333	-717298	-638840	-581081	-544433
NLGENERATION - Native Load Generation MWh	34191.84	34338.45	34184.76	34508.79	34592.53	34520.87
NLGENERATIONCOST - Native Load Generation Costs	1751648	1759159	1751285	1767885	1772175	1768504
NWECOSTS - NWE Costs	751867.1	810333.2	717298.4	638840.3	581081	544432.5
NWECOSTSMPS - NWE Costs w/ MPS	751867.1	810333.2	717298.4	638840.3	581081	544432.5
PORTFOLIOLOADNATIVE - Portfolio Load	908076.2	928721.9	947634.5	970614	1000932	1000251
TOTALCOSTOFSUPPLY - Total Cost of Supply	1751648	1759159	1751285	1767885	1772175	1768504
TOTALCOSTS - Total Cost	1751648	1759159	1751285	1767885	1772175	1768504
TOTALGEN - All Generation	34191.84	34338.45	34184.76	34508.79	34592.53	34520.87
TOTALVARIABLECOST - Variable Costs $	1751648	1759159	1751285	1767885	1772175	1768504

WINDCOSTS - Wind Cost	1751648	1759159	1751285	1767885	1772175	1768504
WINDGEN - Generation - Wind	34191.84	34338.45	34184.76	34508.79	34592.53	34520.87
WINDGROSSREVENUE - Gross Wind Revenue	999781	948825.8	1033987	1129045	1191094	1224072
WINDNETREVENUE - Net Wind Revenue $	-751867	-810333	-717298	-638840	-581081	-544433
WINDTOTALCOST - Wind Total Costs	1751648	1759159	1751285	1767885	1772175	1768504
Titan						
COSTTOSERVELOAD - Cost to Serve Load	2161664	2231636	2274278	2345228	2413698	2464643
COSTTOSERVELOADPMW - Cost to Serve Load PMW	9944.507	10063.19	10037.77	10159.76	10221.07	10237.37
EXPORTGENERATION - Export generation	34181.92	34428.21	34230.56	34438	34580.2	34451.25
GROSSREVENUE - Gross Revenue, $	961493.6	928038.6	1006276	1096238	1160382	1182942
NETPOS - Net Position (MWh)	34181.92	34428.21	34230.56	34438	34580.2	34451.25
NETPOSMW - Net position per MW	8.37792	8.438285	8.389842	8.374999	8.409582	8.41095
NETREVENUE - Net Revenue $	-1200171	-1303598	-1268003	-1248990	-1253317	-1281701
NETREVENUEUNHEDGED - Net Revenue without hedges	-1200171	-1303598	-1268003	-1248990	-1253317	-1281701
NLGENERATION - Native Load Generation MWh	34181.92	34428.21	34230.56	34438	34580.2	34451.25
NLGENERATIONCOST - Native Load Generation Costs	2161664	2231636	2274278	2345228	2413698	2464643
NWECOSTS - NWE Costs	1200171	1303598	1268003	1248990	1253317	1281701
NWECOSTSMPS - NWE Costs w/ MPS	1200171	1303598	1268003	1248990	1253317	1281701
PORTFOLIOLOADNATIVE - Portfolio Load	905410.5	923070.9	948102.5	969000	986926.8	1010986
TOTALCOSTOFSUPPLY - Total Cost of Supply	2161664	2231636	2274278	2345228	2413698	2464643
TOTALCOSTS - Total Cost	2161664	2231636	2274278	2345228	2413698	2464643
TOTALGEN - All Generation	34181.92	34428.21	34230.56	34438	34580.2	34451.25
TOTALVARIABLECOST - Variable Costs $	2161664	2231636	2274278	2345228	2413698	2464643
WINDCOSTS - Wind Cost	2161664	2231636	2274278	2345228	2413698	2464643
WINDGEN - Generation - Wind	34181.92	34428.21	34230.56	34438	34580.2	34451.25
WINDGROSSREVENUE - Gross Wind Revenue	961493.6	928038.6	1006276	1096238	1160382	1182942
WINDNETREVENUE - Net Wind Revenue $	-1200171	-1303598	-1268003	-1248990	-1253317	-1281701
WINDTOTALCOST - Wind Total Costs	2161664	2231636	2274278	2345228	2413698	2464643
Wind Asset - Total						
COSTTOSERVELOAD - Cost to Serve Load	8037055	8307498	8549409	8878064	9189812	9431468
COSTTOSERVELOADPMW - Cost to Serve Load PMW	36738.61	37190.2	37480.27	38207.16	38664.15	38923.91
EXPORTGENERATION - Export generation	358746.1	359451.5	358972.7	360693.4	362105.2	360507.9
GROSSREVENUE - Gross Revenue, $	10237425	9811378	10692788	11658186	12245440	12628717
MARKETSALES - Spot Sales $	0.787105	0.083581				
MARKETSALESMW - Spot Sales	0.005032	0.001413				

MARKETSALESMWH - Spot Sales MWh	0.044539	0.009897				
MCP - MCP	21.61052	18.70796	17.45699	18.40853	18.61418	21.23453
MCPMINSPOTPRICE - MCP min spot price	16.20789	14.21805	15.18759	11.96555	12.65764	18.89873
NETPOS - Net Position (MWh)	358746.1	359451.5	358972.7	360693.4	362105.2	360507.9
NETPOSMW - Net position per MW	87.92796	88.10086	87.9835	87.71728	88.0606	88.01462
NETREVENUE - Net Revenue $	2200370	1503879	2143379	2780122	3055628	3197248
NETREVENUEUNHEDGED - Net Revenue without hedges	2200370	1503879	2143379	2780122	3055628	3197248
NLGENERATION - Native Load Generation MWh	358746	359451.5	358972.7	360693.4	362105.2	360507.9
NLGENERATIONCOST - Native Load Generation Costs	8037055	8307498	8549409	8878064	9189812	9431468
NWECOSTS - NWE Costs	-2200370	-1503879	-2143379	-2780122	-3055628	-3197248
NWECOSTSMPS - NWE Costs w/ MPS	-2200370	-1503880	-2143379	-2780122	-3055628	-3197248
OTHERMCPHOUR - Other MCP Hours	10.86	11.94	17.55	9.7	11.39	26.38
PORTFOLIOLOADNATIVE - Portfolio Load	6357062	6477936	6628292	6808882	6961852	7048588
TOTALCOSTOFSUPPLY - Total Cost of Supply	8037055	8307498	8549409	8878064	9189812	9431468
TOTALCOSTS - Total Cost	8037055	8307498	8549409	8878064	9189812	9431468
TOTALGEN - All Generation	358746.1	359451.5	358972.7	360693.4	362105.2	360507.9
TOTALVARIABLECOST - Variable Costs $	8037055	8307498	8549409	8878064	9189812	9431468
WINDCOSTS - Wind Cost	8037055	8307498	8549409	8878064	9189812	9431468
WINDGEN - Generation - Wind	358746.1	359451.5	358972.7	360693.4	362105.2	360507.9
WINDGROSSREVENUE - Gross Wind Revenue	10237425	9811378	10692788	11658186	12245440	12628717
WINDNETREVENUE - Net Wind Revenue $	2200370	1503879	2143379	2780122	3055628	3197248
WINDTOTALCOST - Wind Total Costs	8037055	8307498	8549409	8878064	9189812	9431468
Total						
Total - Total						
Total - Total - Total						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.82485	10.91522	10.96917	10.9479	11.00923	10.9198
CAPACITYFACTOR - Net Generation Capacity Factor	0.459767	0.412593	0.394712	0.417192	0.401839	0.413795
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.431508	0.3882	0.360253	0.397099	0.378478	0.379532
COSTOFSUPPLY - Cost of Supply	27077250	26244703	29320419	32804138	35011772	36863234
COSTTOSERVELOAD - Cost to Serve Load	20600250	21306666	22392365	23722529	24821577	26469542
COSTTOSERVELOADPMW - Cost to Serve Load PMW	91838.62	92923.69	95525.54	99377.07	101650.5	106276.1
EXPORTGENERATION - Export generation	91834.16	7554.991	-54430.5	-18300.7	-67507.6	-85064.1
FIXEDCOST - Fixed Cost	32021631	32662063	33315305	34154313	34933096	35493113
FO - Forced Outage Rate	0.034515	0.034827	0.034777	0.034429	0.034699	0.034701
FUELCONSUMED - Fuel Consumed	6992843	6330651	5890705	6536473	6255274	6211418

FUELCOST - Fuel Cost	8037373	7828742	7939966	9089460	9245427	9175875
FUELCOSTPMMBTU - Cost, $/mmBtu	2.236501	2.331827	2.502192	2.542501	2.666065	2.749865
FUELDELIVERYCOST - Fuel Delivery Cost	7647892	6981507	6963771	7760748	7807818	8121314
GASNLFUELCONSUMED - Native Load Gas Used	97653.14	95371.14	107890.2	106096	120758.1	159824.4
GENCAPACITY - Net Thermal Generation Capacity MWh	1405624	1409372	1366726	1436954	1421680	1378981
GENCAPACITYMW - Net Thermal Generation Capacity	344.5157	345.4344	334.9819	349.4539	345.7393	336.6653
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1497768	1497768	1497768	1509515	1509515	1503642
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.1	367.1	367.1	367.1	367.1
GENERATION - Thermal Generation MWh	646298.9	581433.7	539576.9	599427.3	571319.7	570680.9
GENERATIONCOSTPMW - Generation Cost	1846.061	1810.283	1939.98	2177.31	2279.886	2196.339
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	25.66113	26.87425	28.8965	29.30638	30.82158	31.59279
GENERATIONCOSTS - Thermal Generation Costs	16964987	16015301	16073440	18145668	18322493	18577421
GENERATIONGROSSREVENUE - Gross Generation Revenue	23283651	21369715	23941838	28176708	29743011	29168939
GENERATIONLOAD - Load @ Generation	913210.8	933330.2	952980	978421.4	1000932	1016253
GENERATIONNETREVENUE - Net Revenue Generation	6318664	5354414	7868397	10031040	11420518	10591518
GROSSREVENUE - Gross Revenue, $	33521076	31181093	34634626	39834894	41988450	41797656
HOURSRUN - Runtime Hours	18066.21	17200.42	16083.39	17004.59	16758.15	16071.97
MARKETGENERATIONCOST - Market Sales Generation Costs	5850834	5000845	4737280	5636344	5538991	4879591
MARKETPRICE - Market Price $/Unit	21.12937	20.18111	21.94428	23.79161	26.60785	27.51132
MARKETPURCHASES - Spot Purchases $	1778051	2341399	2857117	2708799	3222944	3693462
MARKETPURCHASESHOURS - Market Purchase Flag	1769.56	2203.04	2484.27	2335.45	2537.3	2544.62
MARKETPURCHASESMAX - Max Spot Purchases	194.0237	207.015	215.0541	214.5211	229.5369	229.4207
MARKETPURCHASESMW - Spot Purchases	3.103551	3.393357	3.721437	3.581689	3.975719	3.995378
MARKETPURCHASESMWH - Spot Purchases MWh	101984.1	147214.6	183670.7	166012	199927	200280.3
MARKETSALES - Spot Sales $	8323521	7382481	8255581	9836095	10295921	8721700
MARKETSALESMW - Spot Sales	11.23733	10.01461	9.730268	9.732651	9.211053	8.984129
MARKETSALESMWH - Spot Sales MWh	193818.3	154769.6	129240.2	147711.3	132419.5	115216.2
MCP - MCP	31.91244	32.47573	36.52276	40.54418	40.31364	42.55111
MCPMINSPOTPRICE - MCP min spot price	31.6594	32.25155	36.21592	40.32433	40.15948	42.42052
NETPOS - Net Position (MWh)	91834.16	7554.991	-54430.5	-18300.7	-67507.6	-85064.1
NETPOSMW - Net position per MW	22.50837	1.851713	-13.3408	-4.45055	-16.4172	-20.7676
NETREVENUE - Net Revenue $	-5.4E+07	-5.5E+07	-5.5E+07	-5.7E+07	-5.8E+07	-6.1E+07
NETREVENUEPMW - Net Revenue $/MWh	-58.8863	-58.908	-58.0361	-58.4119	-58.2717	-60.4339
NETREVENUEUNHEDGED - Net Revenue without hedges	-5.4E+07	-5.5E+07	-5.5E+07	-5.7E+07	-5.8E+07	-6.1E+07
NLGENERATION - Native Load Generation MWh	811226.7	786115.6	769309.3	812409.4	801005.4	815972.5

NLGENERATIONCOST - Native Load Generation Costs	18822199	18965267	19535248	21013731	21598633	22776080
NWECOSTS - NWE Costs	50579847	52048473	52623947	54147289	55468722	58567580
NWECOSTSMPS - NWE Costs w/ MPS	44034378	47007391	47225483	47019993	48395745	53539342
PO - Planned Outage Rate	0.01491	0.00942	0.023981	0.007744	0.010403	0.027056
PORTFOLIOLOADNATIVE - Portfolio Load	10096228	10253891	10383360	10837056	11066037	11044514
STARTS - Number Starts	51.98	50.23	49.66	52.16	53.47	52.43
STARTUPCOST - StartupCost	337654	363796.6	357142.1	380494.2	381200.3	360366.8
TOTALCOSTOFSUPPLY - Total Cost of Supply	87292779	86158108	89942962	96985180	1E+08	1.03E+08
TOTALCOSTS - Total Cost	55271149	53496044	56627657	62830867	65378882	67718694
TOTALFUELCOST - Total Fuel Cost	15685264	14810249	14903737	16850207	17053246	17297189
TOTALGEN - All Generation	1005045	940885.2	898549.5	960120.7	933424.9	931188.8
TOTALSTARTUPCOST - TotalStartupCost	337654	363796.6	357142.1	380494.2	381200.3	360366.8
TOTALVARIABLECOST - Variable Costs $	55271149	53496044	56627657	62830867	65378882	67718694
VOMCOSTS - VOM Costs	942068.7	841255.2	812560.8	914966.5	888046.4	919865.4
WINDCOSTS - Wind Cost	8037055	8307498	8549409	8878064	9189812	9431468
WINDGEN - Generation - Wind	358746.1	359451.5	358972.7	360693.4	362105.2	360507.9
WINDGROSSREVENUE - Gross Wind Revenue	10237425	9811378	10692788	11658186	12245440	12628717
WINDNETREVENUE - Net Wind Revenue $	2200370	1503879	2143379	2780122	3055628	3197248
WINDTOTALCOST - Wind Total Costs	8037055	8307498	8549409	8878064	9189812	9431468

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2023-01	2024-01	2025-01	2026-01	2027-01	2028-01	2029-01	2030-01	2031-01	2032-01	2033-01	2034-01	2035-01
36061557	36825876	37518444	38418887	39340340	39705804	40611171	41423394	42251862	43484472	44131225	44838014	
-3.6E+07	-3.7E+07	-3.8E+07	-3.8E+07	-3.9E+07	-4E+07	-4.1E+07	-4.1E+07	-4.2E+07	-4.3E+07	-4.4E+07	-4.5E+07	
-3.6E+07	-3.7E+07	-3.8E+07	-3.8E+07	-3.9E+07	-4E+07	-4.1E+07	-4.1E+07	-4.2E+07	-4.3E+07	-4.4E+07	-4.5E+07	
36061557	36825876	37518444	38418887	39340340	39705804	40611171	41423394	42251862	43484472	44131225	44838014	
36061557	36825876	37518444	38418887	39340340	39705804	40611171	41423394	42251862	43484472	44131225	44838014	
36061557	36825876	37518444	38418887	39340340	39705804	40611171	41423394	42251862	43484472	44131225	44838014	
37.8751	39.65305	41.48467	42.25016	42.17484	42.70524	43.21099	43.93903	45.03933	46.99334	48.45195	50.05749	51.18979
21.96286	22.40211	22.85016	23.30716	23.77328	24.24872	24.73373	25.22844	25.73296	26.24761	26.77258	20.77578	20.68051
37.75139	39.53111	41.36263	42.12652	42.04914	42.58086	43.0863	43.81417	44.91482	46.8689	48.32756	49.932	51.06298
37.84655	39.62491	41.45651	42.22162	42.14583	42.67654	43.18221	43.91022	45.0106	46.96462	48.42324	50.02853	51.16052
37.13285	38.92141	40.7524	41.50832	41.42064	41.95899	42.46286	43.18986	44.29231	46.24668	47.70562	49.30457	50.42894
37.40882	39.19343	41.02466	41.78413	41.70105	42.23644	42.74101	43.46839	44.57004	46.52428	47.9831	49.5845	50.71182
37.82752	39.60615	41.43773	42.2026	42.12649	42.6574	43.16303	43.89101	44.99144	46.94548	48.40411	50.00922	51.14102
37.86559	39.64367	41.47528	42.24065	42.16517	42.69567	43.20139	43.92943	45.02975	46.98377	48.44238	50.04783	51.18003

20.23672	20.64146	21.05429	21.47537	21.90488	22.34298	22.78984	23.24563	23.71055	24.18476	24.66845	25.16182	25.66506
1.09	1.11	1.15	1.18	1.219999	1.25	1.3	1.35	1.4	1.44	1.5	1.55	1.59
37.57059	39.35289	41.18425	41.94581	41.86542	42.39908	42.90406	43.63168	44.73286	46.68702	48.14576	49.7486	50.87764
4.783117	5.004867	5.24208	5.347427	5.354098	5.400214	5.457799	5.546075	5.696597	5.962952	6.14922	6.338794	6.469167
29.11259	30.39042	31.70622	32.29915	32.32507	32.76268	33.1861	33.76199	34.59344	36.00412	37.08117	37.71159	38.51312
29.11259	30.39042	31.70622	32.29915	32.32507	32.76268	33.1861	33.76199	34.59344	36.00412	37.08117	37.71159	38.51312
1.52834	1.94516	2.22304	1.52834	1.94516	1.3894	1.3894	2.22304	1.94516	2.36198	2.50092	2.36198	2.36198
0.002257	0.004142	0.00445	0.002634	0.003403	0.002524	0.004274	0.003353	0.004615	0.006754	0.006772	0.008819	0.007806
0.002172	0.004032	0.004283	0.002573	0.003292	0.002444	0.004093	0.003215	0.004501	0.006617	0.006542	0.008623	0.007594
1300.744	3965.437	2585.066	2681.24	4806.72	4805.845	11793.98	5632.998	10613.91	16401.99	14018.59	27133.01	38903.44
5.283619	13.68776	9.122399	9.721235	16.06268	17.46175	45.32474	16.92032	31.79363	45.88136	41.79899	75.70445	110.2178
199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6	603	791.6	697.2
0.029823	0.030241	0.029945	0.029348	0.030325	0.03009	0.030685	0.029526	0.029766	0.029066	0.030239	0.02987	0.030451
2770.464	5163.01	5463.121	3295.657	4232.112	3117.814	5221.365	4101.509	5741.001	8539.252	8378.082	10998.49	9686.897
56065.1	106572.1	115022.1	70775.46	92703.91	69661.24	118994.1	95342.17	136122.3	206519.7	206674.3	276742	248614.8
2.361504	3.065671	3.573693	2.506049	3.253317	2.370267	2.417673	3.945653	3.521482	4.361614	4.710537	4.53783	4.628259
3411.826	6485.774	6999.897	4307.094	5641.829	4239.291	7241.511	5802.404	8283.69	12568.07	12577.18	16841.99	15111.56
89068.73	89388.45	89053.88	89458.88	89730.23	89048.25	89000.55	89099.78	89068.28	90185.4	89377.65	89061.53	89014.05
21.83057	21.82335	21.82693	21.84055	21.82155	21.82555	21.81386	21.83818	21.83046	21.84724	21.82072	21.82881	21.81717
91800	92160	91800	92160	92520	91800	91800	91800	91800	92880	92160	91800	91800
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6	603	791.6	697.2
51.76952	71.05037	107.5753	51.3922	81.79017	50.00043	64.55545	87.25981	84.85552	126.2551	140.2829	127.6984	137.4839
33.4493	43.30356	50.40876	35.26546	45.9538	33.44984	34.02966	55.96069	49.56254	61.43369	66.52645	63.87391	65.04234
59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8	220520.7	295081	265093.3
131673.5	153866.1	173431.7	162054.8	142967	125817	184875	135967.5	248606	324424.9	366610.7	622184.9	476031.4
71783.8	40186.36	50603.81	86507.65	44044.94	51469.4	57989.34	34148.74	103416.5	104177.1	146090.1	327103.8	210938.2

131673.5	153866.1	173431.7	162054.8	142967	125817	184875	135967.5	248606	324424.9	366610.7	622184.9	476031.4
28.7	55.73	65.21	33	52.1	34.62	48.7	44.51	56.86	85.66	75.76	82.98	93.85
58588.98	109714.3	120242.9	72865.94	94115.34	69541.74	115091.7	96185.78	134575.6	203845.8	206502.1	267948	226189.8
129678.7	147780.9	170097.7	155968.7	135894	119558.4	165268	127191.4	230976.5	299748.6	344692.1	575101.7	398017.6
2.152412	2.785551	3.175226	2.182156	2.78645	1.97645	1.951945	3.122745	2.753042	3.344632	3.314563	3.349658	3.320682
195.0978	358.6163	384.9029	228.7931	289.7694	209.863	340.881	278.9146	383.0333	568.8911	564.669	718.8167	594.8122
305.7712	307.4134	318.0021	327.6248	327.6055	336.2821	341.72	346.4399	354.6784	370.114	370.2694	378.123	382.316
15.19614	12.29654	28.47427	12.85734	19.65633	16.81411	23.90167	27.71519	24.80098	44.1389	55.45059	37.77241	45.87609
199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6	603	791.6	697.2
0.048872	0.090722	0.096372	0.05791	0.074075	0.055	0.092107	0.072352	0.101274	0.148885	0.147216	0.194019	0.170882
71783.8	40186.36	50603.81	86507.65	44044.94	51469.4	57989.34	34148.74	103416.5	104177.1	146090.1	327103.8	210938.2
71783.8	40186.36	50603.81	86507.65	44044.94	51469.4	57989.34	34148.74	103416.5	104177.1	146090.1	327103.8	210938.2
4.30216	12.98372	8.297091	8.406933	14.83059	14.53696	34.919	16.28543	30.16675	45.70893	38.33098	72.78334	102.3878
1300.744	3965.437	2585.066	2681.24	4806.72	4805.845	11793.98	5632.998	10613.91	16401.99	14018.59	27133.01	38903.44
1.27	3.3	3.74	1.47	3	1.91	2.44	2.84	3.72	4.63	4.11	4.15	4.3
-71783.8	-40186.4	-50603.8	-86507.6	-44044.9	-51469.4	-57989.3	-34148.7	-103417	-104177	-146090	-327104	-210938
-201463	-187967	-220702	-242476	-179939	-171028	-223257	-161340	-334393	-403926	-490782	-902206	-608956
0.06	0.07	0.09	0.04	0.1	0.11	0.15	0.07	0.23	0.27	0.2	0.31	0.44
2292.203	5023.216	5124.264	2923.438	4092.862	2964.979	5263.535	4465.111	6093.125	9249.709	8905.821	12294.74	11182.31
0.2	0.2	0.35	0.18	0.2	0.16	0.16	0.27	0.21	0.29	0.38	0.32	0.3
183.486	187.156	334.075	175.2462	198.612	162.0672	165.3088	284.5368	225.7332	317.9618	424.973	365.0272	349.056
59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8	220520.7	295081	265093.3
59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8	220520.7	295081	265093.3
59476.93	113057.8	122022	75082.55	98345.74	73900.53	126235.6	101144.6	144406	219087.8	219251.5	293584	263726.3
199.4	371.6	393.2	237.2	304.6	224.4	375.8	295.2	413.2	614.6	603	791.6	697.2
183.486	187.156	334.075	175.2462	198.612	162.0672	165.3088	284.5368	225.7332	317.9618	424.973	365.0272	349.056
59889.73	113679.8	122827.9	75547.18	98922.06	74347.58	126885.7	101818.8	145189.5	220247.8	220520.7	295081	265093.3
229.31	434.772	471.84	289.384	377.704	284.988	484.782	389.664	557.82	842.002	844.2	1131.988	1017.912
8.853859	9.042239	8.571289	8.948049	9.136429	8.948049	8.948049	9.324809	8.853859	9.042239	8.759669	8.288719	9.136429
0.187333	0.190528	0.184289	0.194016	0.184832	0.200723	0.195516	0.194584	0.193501	0.186321	0.190194	0.176447	0.2126
0.182071	0.185	0.179132	0.187973	0.179221	0.19495	0.189284	0.189095	0.187674	0.180535	0.184619	0.17148	0.206122
728037	675992.7	863543.9	974881.9	975588.3	1296631	1162004	1189989	1376536	1551213	1571118	1650725	1833517
2661.017	2345.395	3009.32	3306.838	3243.471	4389.753	3791.1	3749.458	4325.839	4904.62	4770.543	4976	5512.06
43085.3	43950.08	42389.88	44656.52	42743.68	46133.2	44792.24	44747.58	44411.18	43224.5	43859.6	40579.12	48776.84

0.029611	0.029756	0.030302	0.02993	0.029893	0.029419	0.030948	0.030467	0.030501	0.030117	0.029904	0.029838	0.030415
405820.4	413965.8	399270.3	420619.8	402602.7	434528.6	421898.1	421477.5	418308.9	407131.6	413113.6	382214.7	459429.1
1968762	2067703	2193795	2290451	2201459	2394950	2301629	2368638	2399780	2422109	2660823	2499799	2644547
4.400905	4.632658	4.715233	4.945407	5.063094	5.020695	4.987137	5.316171	5.237441	5.497499	5.67179	5.503729	5.753759
130585.6	116464.5	138197	156360.6	155903.1	203737.5	183111	180617.3	206731.6	224230.2	210652.2	217214.8	287243.9
229629.5	230505.3	229486.9	230469.4	231392.2	229672.5	229307.1	229441	229439.9	232220.4	230483.3	229588.4	229455.5
56.28175	56.27572	56.24678	56.26694	56.27241	56.29227	56.20271	56.23555	56.23526	56.25494	56.27034	56.27166	56.2391
236640	237568	236640	237568	238496	236640	236640	236640	236640	239424	237568	236640	236640
58	58	58	58	58	58	58	58	58	58	58	58	58
43085.3	43950.08	42389.88	44656.52	42743.68	46133.2	44792.24	44747.58	44411.18	43224.5	43859.6	40579.12	48776.84
326.1429	337.2837	327.3143	360.4609	337.4351	351.0929	341.2263	347.2339	329.045	347.2935	345.4168	325.5238	346.339
49.13474	51.63347	52.1624	54.79994	56.26303	55.8372	55.70131	59.321	58.30604	61.11883	62.64751	60.76042	64.18325
2318102	2430980	2551344	2674601	2576099	2807620	2710694	2785142	2821255	2840721	3093725	2908327	3145060
4105716	4405295	4823293	4678826	4743756	5010382	4906012	5137993	5533057	5763010	6329544	6638948	6796363
1787614	1974315	2271949	2004225	2167657	2202762	2195318	2352851	2711801	2922289	3235819	3730621	3651303
4105716	4405295	4823293	4678826	4743756	5010382	4906012	5137993	5533057	5763010	6329544	6638948	6796363
1902.9	1902.37	1799.22	1941.66	1769.06	1883.8	1854.98	1816.02	1765.43	1761.59	1705.64	1638.23	1737.44
1590065	1754987	1687796	1699719	1600511	1510989	1548690	1595154	1444719	1289508	1522607	1257602	1311543
2795099	3129961	3205112	2973748	2897563	2666132	2762052	2921193	2890443	2633595	3155792	3051882	2731421
44.64689	46.75322	42.2958	44.14121	42.91043	39.96846	42.60891	44.86425	39.95413	38.7127	40.39068	35.67473	37.77582
29221.24	31585.23	27717.73	28055.97	26191.7	24502.72	25351.64	25571.74	22462.82	19418.34	21494.99	17517.78	18280.62
53.51892	55.29829	58.90448	59.57411	60.07318	60.82506	61.51923	62.60069	64.57689	66.96346	70.65779	73.15697	70.94983
49.73494	52.47953	52.96724	55.96476	57.64345	57.14013	57.7944	61.32841	60.67045	63.59149	65.69046	63.62468	68.79221
43085.3	43950.08	42389.88	44656.52	42743.68	46133.2	44792.24	44747.58	44411.18	43224.5	43859.6	40579.12	48776.84
10.56012	10.73	10.38968	10.90247	10.39486	11.30716	10.97849	10.96754	10.88509	10.47105	10.70791	9.945862	11.95511
1787614	1974315	2271949	2004225	2167657	2202762	2195318	2352851	2711801	2922289	3235819	3730621	3651303
1787614	1974315	2271949	2004225	2167657	2202762	2195318	2352851	2711801	2922289	3235819	3730621	3651303
13864.06	12364.85	14672.15	16600.55	16551.98	21630.48	19440.6	19175.84	21948.36	23806.16	22364.61	23061.34	30496.22
728037	675992.7	863543.9	974881.9	975588.3	1296631	1162004	1189989	1376536	1551213	1571118	1650725	1833517
245.39	247.86	210.7	244.32	202.45	207.58	205.77	193.71	159.82	148.42	162.32	137.91	101.54
-1787614	-1974315	-2271949	-2004225	-2167657	-2202762	-2195318	-2352851	-2711801	-2922289	-3235819	-3730621	-3651303
-4582713	-5104276	-5477061	-4977973	-5065220	-4868894	-4957370	-5274044	-5602244	-5555884	-6391611	-6782503	-6382724
47.41	39.59	49.75	62.06	56.31	79.16	74.05	67.16	77.27	93.34	79.01	92.88	68.58
195515.6	200787	198464.5	214536.4	208549.6	227494.4	224101.9	228147.3	231627.5	227474.4	235093	222169.3	266947.1
6.96	6.71	6.26	7.22	6.07	6.46	6.84	6.27	6.32	6.4	5.99	5.22	5.59

2934.406	2885.636	2745.949	3230.372	2770.166	3007.13	3247.7	3036.561	3122.017	3224.768	3078.501	2736.428	2989.029
2318102	2430980	2551344	2674601	2576099	2807620	2710694	2785142	2821255	2840721	3093725	2908327	3145060
2318102	2430980	2551344	2674601	2576099	2807620	2710694	2785142	2821255	2840721	3093725	2908327	3145060
1968762	2067703	2193795	2290451	2201459	2394950	2301629	2368638	2399780	2422109	2660823	2499799	2644547
43085.3	43950.08	42389.88	44656.52	42743.68	46133.2	44792.24	44747.58	44411.18	43224.5	43859.6	40579.12	48776.84
2934.406	2885.636	2745.949	3230.372	2770.166	3007.13	3247.7	3036.561	3122.017	3224.768	3078.501	2736.428	2989.029
2318102	2430980	2551344	2674601	2576099	2807620	2710694	2785142	2821255	2840721	3093725	2908327	3145060
346405.8	360390.7	354803.3	380920.1	371870	409662.8	405817.7	413467.6	418353.3	415387.4	429824.1	405791.2	497523.8
0.47	0.35	0.26	0.45	0.67	0.79	1.05	1.5	1.04	1.33	1.37	1.05	17.95
10.92653	10.92221	10.95331	10.9046	10.94519	10.93578	10.94447	10.94407	10.97551	10.95702	11.00529	11.01888	10.99132
0.663567	0.664403	0.649892	0.672822	0.650519	0.655381	0.651583	0.64312	0.629509	0.636796	0.621444	0.61136	0.619996
0.564655	0.640021	0.600117	0.620807	0.627399	0.55728	0.600556	0.619904	0.581024	0.540149	0.598784	0.566189	0.598053
6399429	7429889	7622946	7952744	8596537	7890942	8603482	9233831	9085799	8779385	9898294	9699412	10064197
24643.95	28570.29	28676.46	29264.55	31370.6	28074	30142.06	32091.56	30866.35	29153.67	32835.34	31514.06	32324.51
255721.3	290989.6	271781.2	282253.8	286365.1	252381	271980.1	280742.4	263134.5	247500.9	272241.2	256416	270846.5
0.036298	0.036874	0.035235	0.036085	0.03541	0.036116	0.036746	0.036235	0.035527	0.035807	0.036714	0.036449	0.035654
2780720	3164448	2961218	3065391	3120343	2747560	2962536	3062161	2875887	2702129	2979155	2810473	2964796
3025706	3511981	3423391	3627437	3812046	3434429	3840893	4145444	4026728	3890094	4483769	4371788	4719967
2.786999	2.865741	2.926878	2.983931	3.045503	3.099125	3.166982	3.226946	3.293819	3.35292	3.421708	3.489369	3.562266
4717770	5557721	5259715	5528432	5694937	5081337	5531943	5747676	5443767	5169443	5725043	5448383	5845986
385273.2	437911.7	418216.9	419440.1	440264.9	385116.7	417553.1	436497.5	418013.8	388776.4	437974.9	419265.9	436742.8
94.42971	106.912	102.5041	102.4024	107.0683	94.39135	102.3415	106.9847	102.4544	94.18033	106.9275	102.7612	107.0448
452880	454656	452880	454656	456432	452880	452880	452880	452880	458208	454656	452880	452880
111	111	111	111	111	111	111	111	111	111	111	111	111
255721.3	290989.6	271781.2	282253.8	286365.1	252381	271980.1	280742.4	263134.5	247500.9	272241.2	256416	270846.5
358.3799	401.8284	410.9953	417.3311	427.7057	399.7198	445.3997	454.2737	464.6961	433.956	484.1145	494.4558	504.3646
31.99535	32.87974	33.66232	34.17447	35.00164	35.6011	36.40571	37.08133	37.96282	38.58829	39.53102	40.3617	41.10995
8205643	9607816	9194663	9695192	10069585	9026489	9930573	10479016	10031237	9601051	10814553	10403949	11194407
12475128	14640496	14691155	15090693	15484726	14068169	15048776	16008061	15805665	15667291	18032859	17903037	19121177
4269485	5032681	5496492	5395501	5415141	5041680	5118203	5529046	5774427	6066240	7218306	7499088	7926769
12475128	14640496	14691155	15090693	15484726	14068169	15048776	16008061	15805665	15667291	18032859	17903037	19121177
3470.93	3945.15	3767.62	3778.23	3966.35	3469.52	3761.56	3932.41	3765.74	3502.43	3945.72	3777.11	3934.62
1737857	2099577	1497727	1666021	1388675	1056396	1242600	1156203	860969.2	738029	822330.9	613077.4	1032182
3330152	3974646	3126688	3230993	2698629	2134772	2417327	2340828	1913768	1640036	1970354	1654212	2351672

47.75405	49.62195	43.69586	45.3882	41.61867	39.31853	40.65945	39.66648	36.39731	36.44642	35.33879	31.95766	42.6865
56024.31	65784.55	45800.97	50039.58	40930.58	30636.81	35435.86	32103.36	23477.09	19790.55	21518.36	15756.83	26198.98
23.99604	24.64031	24.65299	26.2342	26.03078	25.98176	27.17091	26.81701	26.08514	27.43554	26.58107	26.27493	27.54657
23.60325	24.29334	24.48939	26.01767	25.87876	25.88997	27.07586	26.73137	26.03075	27.37908	26.54134	26.24625	27.48765
255721.3	290989.6	271781.2	282253.8	286365.1	252381	271980.1	280742.4	263134.5	247500.9	272241.2	256416	270846.5
62.67679	71.04239	66.61303	68.90961	69.64131	61.8581	66.6618	68.80941	64.49375	59.95662	66.46513	62.84707	66.38395
2816002	3378623	3948663	3793221	3784138	3605531	3569685	3928454	4271201	4653837	5661101	6030053	6377070
2816002	3378623	3948663	3793221	3784138	3605531	3569685	3928454	4271201	4653837	5661101	6030053	6377070
199697	225205.1	225980.2	232214.2	245434.5	221744.2	236544.3	248639	239657.4	227710.4	250722.8	240659.2	244647.5
6399429	7429889	7622946	7952744	8596537	7890942	8603482	9233831	9085799	8779385	9898294	9699412	10064197
375.56	412.72	321.61	354.13	274.71	211.5	209.46	182.12	129.36	110.98	126.34	98.05	127.74
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1985.86	2268.75	2348.79	2251.86	2546.12	2235.13	2432.31	2614.2	2599.87	2450.69	2782.86	2765.6	2775.34
0.116071		0.041666	0.041666		0.116071	0.041666		0.041666	0.123015		0.041666	
863994.1	985846	966063.1	986173.5	1050048	941296.2	1035209	1094637	1073027	1021614	1155077	1128198	1189783
8.41	9.45	8.75	8.86	9.59	8.82	9.23	9.53	8.87	8.61	9.48	9.05	9.51
68356.48	78349.95	73990	76426.36	84372.82	79150.68	84491.42	88981.61	84469.01	83637.54	93927.84	91459.3	98029.08
9659126	11261873	10742491	11297472	11700588	10462638	11479091	12079607	11534464	11013454	12371758	11872983	12744107
9659126	11261873	10742491	11297472	11700588	10462638	11479091	12079607	11534464	11013454	12371758	11872983	12744107
7743476	9069702	8683105	9155869	9506983	8515766	9372837	9893120	9470495	9059537	10208812	9820171	10565953
255721.3	290989.6	271781.2	282253.8	286365.1	252381	271980.1	280742.4	263134.5	247500.9	272241.2	256416	270846.5
68356.48	78349.95	73990	76426.36	84372.82	79150.68	84491.42	88981.61	84469.01	83637.54	93927.84	91459.3	98029.08
9659126	11261873	10742491	11297472	11700588	10462638	11479091	12079607	11534464	11013454	12371758	11872983	12744107
393810.8	459763.6	437567.7	462896.2	478229.7	431571.6	473245.5	496914	476273.5	457876.7	511813.4	492318.8	530425.8
366.12	424.76	314.5	349.99	325.17	230.78	293.81	281.19	218.32	194.54	198.04	162.15	196.56
1.65	2.4	2.4	1.65	2.1	1.5	1.5	2.4	2.4	2.7	2.7	2.55	2.85
0.002255	0.003695	0.00422	0.002662	0.003189	0.002431	0.004146	0.003123	0.004162	0.006448	0.006441	0.008789	0.007892
0.002232	0.003579	0.00409	0.002624	0.0031	0.002362	0.004007	0.003051	0.004026	0.006254	0.00625	0.008551	0.007598
49.17665	371.7082	206.6927	344.9382	482.87	452.1341	1400.255	631.5693	1254.338	1832.462	1499.764	2789.357	4267.134
0.204837	1.249099	0.7373	1.275554	1.630605	1.607937	5.413558	1.908848	3.887724	4.991097	4.433744	7.693985	12.19567
27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46	76.8	104.67	93
0.03053	0.030312	0.029763	0.029325	0.02909	0.029997	0.030007	0.030371	0.029668	0.02966	0.029944	0.029939	0.03033
409.95	659.7	751.05	483.75	573.75	433.8	735.75	560.25	739.35	1161.9	1152	1570.05	1395

8296.044	13617.17	15812.82	10388.71	12567.92	9692.383	16767.62	13023.37	17530.39	28100.27	28418.06	39505.32	35802.75
2.361504	3.503625	3.573693	2.506049	3.253317	2.370267	2.417673	3.945653	4.024551	4.61818	4.710537	4.53783	5.167307
504.8534	828.7151	962.3204	632.2129	764.8661	589.8379	1020.412	792.5857	1066.808	1710.084	1729.382	2404.218	2136.164
11867.16	11915.97	11874.96	11926.38	11974.98	11874.24	11874.3	11868.99	11876.07	12015.78	11920.8	11874.03	11869.77
2.908617	2.909172	2.910529	2.911713	2.912203	2.910352	2.910367	2.909066	2.910801	2.910799	2.910351	2.910301	2.909257
12240	12288	12240	12288	12336	12240	12240	12240	12240	12384	12288	12240	12240
3	3	3	3	3	3	3	3	3	3	3	3	3
27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46	76.8	104.67	93
54.74397	85.40086	117.2618	54.67745	87.14242	53.33102	68.9037	96.1753	94.32542	138.5454	157.0179	140.1389	155.0192
35.42257	52.55438	53.60541	37.59075	48.79976	35.55402	36.2651	59.1848	60.36827	69.2727	70.65806	68.06746	77.50962
8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35	30147.44	41909.53	37938.92
19560.58	19133.98	23731.49	23655.15	19362.9	17617.53	25187.13	18163.25	32406.06	42727.57	48858.24	86542.42	68604.07
10759.68	4688.092	6956.345	12634.23	6030.113	7335.311	7399.096	4347.303	13808.86	12917.22	18710.8	44632.89	30665.15
19560.58	19133.98	23731.49	23655.15	19362.9	17617.53	25187.13	18163.25	32406.06	42727.57	48858.24	86542.42	68604.07
9.11	14.66	16.69	10.75	12.75	9.64	16.35	12.45	16.43	25.82	25.6	34.89	31
8751.721	14074.18	16568.45	10675.99	12849.92	9830.087	16387.78	13184.38	17342.86	27977.89	28647.67	39120.18	33671.78
19465.16	18572.43	23466.21	22843.4	18657.32	17040.74	22895.57	17192.05	30116.71	39999.33	46634.05	81939.23	60085.09
0.329425	0.479897	0.479945	0.328155	0.419562	0.29948	0.295799	0.478338	0.448304	0.509032	0.508901	0.479059	0.50797
27.17729	42.84835	49.45307	31.24062	36.86471	27.64832	45.18884	35.64262	45.9655	72.69848	72.97938	97.70352	82.53994
322.0233	328.4649	335.0338	341.7341	348.5697	355.5402	362.651	369.905	377.3017	384.8484	392.5448	400.3968	407.9454
6.440466	3.284648	3.350337	6.834681	17.42848	7.110803	10.87953	7.398099	18.86508	15.39393	19.62724	20.01984	32.63563
27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46	76.8	104.67	93
0.006698	0.010737	0.012272	0.007873	0.009302	0.007088	0.012022	0.009154	0.01208	0.018764	0.01875	0.025654	0.022794
10759.68	4688.092	6956.345	12634.23	6030.113	7335.311	7399.096	4347.303	13808.86	12917.22	18710.8	44632.89	30665.15
10759.68	4688.092	6956.345	12634.23	6030.113	7335.311	7399.096	4347.303	13808.86	12917.22	18710.8	44632.89	30665.15
0.152711	1.131653	0.61693	1.009376	1.385289	1.271682	3.861162	1.707382	3.324496	4.761518	3.820618	6.966482	10.46006
49.17665	371.7082	206.6927	344.9382	482.87	452.1341	1400.255	631.5693	1254.338	1832.462	1499.764	2789.357	4267.134
							0.03			0.5		0.01
-10759.7	-4688.09	-6956.34	-12634.2	-6030.11	-7335.31	-7399.1	-4347.3	-13808.9	-12917.2	-18710.8	-44632.9	-30665.2
-30224.8	-23260.5	-30422.5	-35477.6	-24687.4	-24376.1	-30294.7	-21539.3	-43925.6	-52916.5	-65344.9	-126572	-90750.2
2084.699	3955.453	4298.637	2619.084	3355.825	2537.255	4582.027	3772.947	4784.983	7814.174	7548.853	10878.4	9925.864
1.3	3	3.57	1.3	2.3	1.82	2.57	2.51	2.94	4.44	3.97	4.81	4.9
8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35	30147.44	41909.53	37938.92
8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35	30147.44	41909.53	37938.92

8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35	30147.44	41909.53	37938.92
27.33	43.98	50.07	32.25	38.25	28.92	49.05	37.35	49.29	77.46	76.8	104.67	93
8800.898	14445.88	16775.14	11020.92	13332.79	10282.22	17788.03	13815.95	18597.2	29810.35	30147.44	41909.53	37938.92
11.44144	11.4284	11.46525	11.40296	11.44686	11.46736	11.46321	11.46999	11.51422	11.49564	11.59094	11.60277	11.58559
0.72785	0.731791	0.722796	0.744286	0.724195	0.71965	0.714455	0.706919	0.692909	0.69979	0.671199	0.663961	0.665682
0.66054	0.662577	0.587077	0.668265	0.656064	0.589168	0.653547	0.63993	0.622355	0.633787	0.615131	0.610262	0.634248
2932869	3010041	2721576	3157403	3186877	2886608	3272558	3277220	3258519	3411814	3378685	3406903	3608030
11642.59	11798.63	10298.22	11877.47	11761.22	10355.78	11688.18	11499.53	11245.26	11616.17	11287.23	11191.93	11725.7
115885.2	116698.4	102997	117700.2	116002.8	103363.8	114658.4	112269.3	109186.1	112499.8	108341.9	107064.4	111272.6
0.047422	0.046315	0.045891	0.045744	0.046571	0.046793	0.04763	0.046075	0.045853	0.046407	0.04613	0.047537	0.047214
1318525	1327173	1173002	1335855	1321189	1177851	1307725	1282526	1250904	1287275	1246442	1233336	1282069
1433939	1472707	1353532	1579005	1614265	1471176	1694819	1734896	1750934	1852318	1875461	1917021	2040923
2.139382	2.177623	2.224678	2.267418	2.314954	2.354095	2.407085	2.451654	2.503105	2.546462	2.599203	2.64997	2.706218
1383265	1417288	1259921	1452475	1446174	1300700	1448174	1413215	1378746	1424498	1369964	1356052	1430789
159252.7	159436.3	142456.9	158155.3	160129.4	143608	160507	158823.1	157587.7	160713.4	161417.3	161229.8	167153.5
39.03251	38.92487	34.91589	38.61213	38.94198	35.19803	39.33994	38.92723	38.62443	38.9325	39.40851	39.51711	40.96899
175440	176128	175440	176128	176816	175440	175440	175440	175440	177504	176128	175440	175440
43	43	43	43	43	43	43	43	43	43	43	43	43
115885.2	116698.4	102997	117700.2	116002.8	103363.8	114658.4	112269.3	109186.1	112499.8	108341.9	107064.4	111272.6
315.5612	321.3284	300.7289	333.1903	341.8693	319.3039	356.5771	364.016	373.4999	379.3246	390.3756	399.0999	406.9615
25.48307	25.91807	26.54897	26.92026	27.58557	28.10557	28.73138	29.26545	30.00376	30.47299	31.34886	31.98729	32.61887
2981936	3060429	2765185	3207422	3238973	2934461	3328881	3332454	3313491	3469857	3438573	3469329	3679913
5225396	5508979	5234882	5877827	5861613	5384613	5955532	6029949	6135611	6610482	6792160	7010339	7400846
2243460	2448550	2469697	2670405	2622640	2450152	2626651	2697495	2822120	3140626	3353586	3541011	3720933
5225396	5508979	5234882	5877827	5861613	5384613	5955532	6029949	6135611	6610482	6792160	7010339	7400846
3702.86	3707.66	3312.61	3677.24	3723.07	3339.01	3732.27	3693.56	3664.62	3737.03	3753.02	3748.32	3887.29
218.8116	153.2391	24.21598	15.41354	5.18998	1.930085		0.289468		1.35467		0.322834	4997.628
414.8619	282.7589	39.37885	19.6893	10.22705	2.617877		0.392607		8.688606		0.301172	7954.917
3.362173	2.546052	0.700474	0.381133	0.185713	0.070367		0.009691		0.045732		0.010689	2.399789
8.929256	6.089061	0.947527	0.588458	0.185713	0.070367		0.009691		0.045732		0.010689	168.1502
26.41317	26.32684	28.17878	30.37614	25.72975	27.73611	23.67691	27.93671	26.59965	27.65454	26.38883	27.13047	29.98588
26.40975	25.77547	26.76909	29.46415	24.44314	27.18139	23.67691	26.53987	26.33365	27.65454	25.06938	27.13024	28.75201
115885.2	116698.4	102997	117700.2	116002.8	103363.8	114658.4	112269.3	109186.1	112499.8	108341.9	107064.4	111272.6
28.40323	28.49081	25.24435	28.7354	28.21079	25.33426	28.10254	27.517	26.76129	27.25286	26.45066	26.24127	27.2727

1554266	1754837	1856569	1972154	1932054	1834490	1943103	2027119	2168273	2467767	2702071	2896346	3050796
1554266	1754837	1856569	1972154	1932054	1834490	1943103	2027119	2168273	2467767	2702071	2896346	3050796
115876.2	116692.3	102996	117699.6	116002.6	103363.7	114658.4	112269.3	109186.1	112499.8	108341.9	107064.4	111104.5
2932869	3010041	2721576	3157403	3186877	2886608	3272558	3277220	3258519	3411814	3378685	3406903	3608030
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79.2	27.1	44.18	45.1	38.69	77.3	118.45	32.87	51.97	89.55	30.58	46.07	27.4
0.04659	0.050541	0.150072	0.060191	0.05194	0.1375	0.039234	0.050541	0.058802	0.05194	0.039321	0.035227	
900905.9	917622	847216.6	947833.5	977256.9	898943.7	1009703	1018256	1028172	1065651	1087632	1100811	1161194
12.15	12.25	10.42	11.72	11.97	10.78	12.44	11.96	11.67	12.08	12.22	12.49	13.12
48847.85	50234.8	43585.02	50003.15	52091.17	47850.7	56323.59	55233.31	54971.89	58041.26	59888.26	62425.02	66885.24
3671129	3754142	3378313	3905673	3929559	3550123	4012429	4002830	3967339	4142715	4090088	4113993	4350050
3671129	3754142	3378313	3905673	3929559	3550123	4012429	4002830	3967339	4142715	4090088	4113993	4350050
2817203	2889995	2613453	3031480	3060439	2771876	3142994	3148111	3129680	3276816	3245424	3273073	3471711
115885.2	116698.4	102997	117700.2	116002.8	103363.8	114658.4	112269.3	109186.1	112499.8	108341.9	107064.4	111272.6
48847.85	50234.8	43585.02	50003.15	52091.17	47850.7	56323.59	55233.31	54971.89	58041.26	59888.26	62425.02	66885.24
3671129	3754142	3378313	3905673	3929559	3550123	4012429	4002830	3967339	4142715	4090088	4113993	4350050
115885.2	120199.3	108146.8	125939.2	126443	114733.8	129563.9	129109.7	128839.6	134999.8	133260.5	133830.5	141316.2
0.02				0.01								0.1
1.5	2.4	2.4	1.65	2.1	1.5	1.5	2.4	2.4	2.7	2.7	2.55	2.85
0.00228	0.003774	0.004255	0.002646	0.003258	0.002338	0.004162	0.003066	0.004354	0.006493	0.006314	0.008906	0.007672
0.002254	0.003662	0.004125	0.002575	0.003159	0.002237	0.003975	0.00298	0.00421	0.006303	0.006201	0.008806	0.00747
54.89797	351.4339	201.0203	260.2485	440.356	392.1925	1083.962	511.9202	1193.897	1823.572	1419.393	2781.322	3838.794
0.22804	1.171822	0.716822	0.999729	1.46633	1.387679	4.223751	1.579913	3.693819	4.924459	4.182978	7.621817	10.96316
27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06	76.2	107.79	91.44
0.028958	0.031016	0.031254	0.031127	0.031022	0.029389	0.029633	0.031008	0.031286	0.030892	0.029053	0.028605	0.029862
414	675	757.35	474.75	584.55	410.85	729.9	547.2	773.1	1170.9	1143	1616.85	1371.6
8378.003	13932.98	15945.46	10195.43	12804.5	9179.612	16634.3	12720.01	18330.62	28317.93	28196.04	40682.89	35202.19
2.146822	3.503625	3.573693	2.506049	3.253317	2.370267	2.417673	3.945653	4.024551	4.61818	4.710537	4.53783	5.167307
509.841	847.935	970.3926	620.4508	779.2636	558.6327	1012.298	774.1238	1115.506	1723.331	1715.872	2475.882	2100.331
11887.17	11909.22	11856.72	11903.91	11953.23	11882.01	11878.2	11860.05	11858.13	12003.27	11932.92	11891.01	11875.77
2.913522	2.907524	2.906058	2.906228	2.906913	2.912257	2.911323	2.906875	2.906404	2.907768	2.91331	2.914463	2.910727
12240	12288	12240	12288	12336	12240	12240	12240	12240	12384	12288	12240	12240

3	3	3	3	3	3	3	3	3	3	3	3	3
27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06	76.2	107.79	91.44
54.74397	82.11621	117.2618	54.67745	87.14242	53.33102	68.9037	92.47625	94.32542	138.5454	157.0179	140.1389	155.0192
32.20233	52.55438	53.60541	37.59075	48.79976	35.55402	36.2651	59.1848	60.36827	69.2727	70.65806	68.06746	77.50962
8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26	29911.91	43158.77	37302.52
19673.83	19591.03	23895.56	23423.46	19729.54	16479.24	25029.38	17658.26	33827.55	43389.38	48485.07	90064.39	67768.04
10785.99	4810.11	6979.7	12607.58	6145.777	6740.997	7382.784	4164.124	14381.42	13348.12	18573.15	46905.62	30465.52
19673.83	19591.03	23895.56	23423.46	19729.54	16479.24	25029.38	17658.26	33827.55	43389.38	48485.07	90064.39	67768.04
9.2	15	16.83	10.55	12.99	9.13	16.22	12.16	17.18	26.02	25.4	35.93	30.48
8832.946	14429.48	16714.84	10555.64	13143.4	9346.052	16562.64	12982.21	18252.23	28217.69	28492.52	40377.45	33463.73
19595.62	19059.19	23639.17	22707.59	19095.14	15973.35	23184.78	16909.11	31636.06	40703.86	46410.73	85504.93	59988.86
0.299967	0.479828	0.48	0.329422	0.416357	0.29985	0.298522	0.479876	0.449949	0.508227	0.509675	0.484763	0.508359
27.42952	43.93007	49.89	30.88845	37.70668	26.28691	45.67101	35.09608	48.3757	73.32158	72.58413	100.8436	82.02993
322.0233	392.1347		343.3972	348.5697	355.5402	362.651	369.905	377.3017	388.9591	415.9873	458.8918	439.3498
3.220233	7.842694		3.433971	17.42848	7.110803	10.87953	3.699049	7.546033	15.55836	12.47962	22.94459	30.75448
27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06	76.2	107.79	91.44
0.006764	0.010986	0.012375	0.007727	0.009477	0.006713	0.011926	0.008941	0.012632	0.018909	0.018603	0.026419	0.022411
10785.99	4810.11	6979.7	12607.58	6145.777	6740.997	7382.784	4164.124	14381.42	13348.12	18573.15	46905.62	30465.52
10785.99	4810.11	6979.7	12607.58	6145.777	6740.997	7382.784	4164.124	14381.42	13348.12	18573.15	46905.62	30465.52
0.170478	1.069928	0.6	0.761552	1.263322	1.103089	2.988993	1.383923	3.164302	4.738416	3.615874	6.946413	9.410068
54.89797	351.4339	201.0203	260.2485	440.356	392.1925	1083.962	511.9202	1193.897	1823.572	1419.393	2781.322	3838.794
0.27	0.61	0.73	0.19	0.46	0.02	0.07	0.51	0.52	0.58	0.66	1.11	1.27
-10786	-4810.11	-6979.7	-12607.6	-6145.78	-6741	-7382.78	-4164.12	-14381.4	-13348.1	-18573.2	-46905.6	-30465.5
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	0.04		0.01						0.03	0.01	0.12	0.15
2102.863	4054.99	4318.91	2562.581	3419.369	2395.554	4549.015	3683.868	5007.062	7873.031	7480.334	11199.83	9730.084
1.31	3.08	3.58	1.25	2.34	1.76	2.47	2.49	3.03	4.44	3.97	4.9	4.82
8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26	29911.91	43158.77	37302.52
8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26	29911.91	43158.77	37302.52
8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26	29911.91	43158.77	37302.52
27.6	45	50.49	31.65	38.97	27.39	48.66	36.48	51.54	78.06	76.2	107.79	91.44
8887.844	14780.92	16915.86	10815.88	13583.76	9738.245	17646.6	13494.13	19446.13	30041.26	29911.91	43158.77	37302.52
12.69954	12.30308	11.86697	12.83429	12.58094	13.13533	12.43354	13.58729	12.74612	13.16319	12.45475	12.00095	13.36307
0.10498	0.110112	0.111071	0.107529	0.112539	0.11933	0.116575	0.120159	0.125226	0.11754	0.121489	0.110706	0.156503

0.101694	0.106768	0.107722	0.104712	0.109169	0.115706	0.113131	0.116672	0.121604	0.114113	0.118014	0.107325	0.15196
163767.9	162140.6	217032.1	245086.9	270971.3	366804.2	366814.1	371976.9	471003.1	523805.3	566377.9	607026.3	757219.3
574.8398	542.6002	727.6782	794.0886	869.8579	1205.514	1165.93	1119.921	1415.005	1604.366	1643.901	1753.814	2226.9
20745.7	21866.1	21975.3	21445.2	22445.2	23604.1	23078.9	23801.1	24807.4	23553.1	24169.3	21894.5	31000
0.030346	0.029852	0.030181	0.030221	0.030908	0.029995	0.030776	0.030047	0.030026	0.030212	0.030381	0.030225	0.030767
298846.1	315106.5	317058.9	308643.6	323631.2	340246.1	332704.9	343175.1	358053.8	340024.7	349040.9	316144.9	448296.8
1417100	1548954	1739852	1668686	1750980	1851263	1798175	1909046	2050032	2008950	2238855	2058217	2389165
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35437.95	33651.46	40891.25	47034.84	51853.63	68941.19	70423.28	67855.57	85472.88	91009.65	91216.17	94779.23	181289.8
197795	198733.6	197861	198665.7	199378	197872.7	197720.1	197895.3	197904.9	200185.3	198553.9	197778.5	197792.8
48.47917	48.51895	48.49534	48.50237	48.48687	48.49821	48.46081	48.50375	48.5061	48.4945	48.47507	48.47512	48.47863
204000	204800	204000	204800	205600	204000	204000	204000	204000	206400	204800	204000	204000
50	50	50	50	50	50	50	50	50	50	50	50	50
20745.7	21866.1	21975.3	21445.2	22445.2	23604.1	23078.9	23801.1	24807.4	23553.1	24169.3	21894.5	31000
523.9871	542.1333	558.2542	596.4394	566.4038	625.756	602.9381	601.5985	592.2789	595.3879	634.9601	605.3415	643.9617
57.74568	58.2456	61.46111	65.60715	64.94756	68.6662	63.94367	71.87664	70.84436	74.93492	74.76725	74.13906	75.68027
1422595	1554870	1746113	1674687	1757508	1858308	1804923	1916283	2057747	2016746	2246590	2065641	2399208
2446303	2756290	3121053	2819718	3062427	3143360	3138456	3339650	3782905	3901329	4323589	4582833	4842275
1023709	1201420	1374940	1145031	1304918	1285051	1333533	1423367	1725159	1884583	2076999	2517192	2443067
2446303	2756290	3121053	2819718	3062427	3143360	3138456	3339650	3782905	3901329	4323589	4582833	4842275
2198.63	2242.34	2147.56	2301.66	2198.87	2334.16	2373.47	2308.88	2248.18	2144.11	2144.05	1957.28	2592.47
1258827	1392729	1529081	1429600	1486537	1491504	1438109	1544306	1586743	1492941	1680212	1458615	1641989
2158075	2457328	2739953	2413852	2572238	2520682	2479652	2690256	2954576	2897308	3261666	3371560	3223153
20.21206	20.04224	18.85189	19.59355	19.68365	19.9466	19.03114	21.13102	19.32898	19.17028	18.68822	17.34197	19.55907
18247.44	19495.42	19093.25	18126.84	18791.77	18747.47	18127.08	19028.47	18799.03	17157.53	17769.18	15242.64	18312.59
77.20849	80.78875	88.2016	85.37051	89.08676	89.80186	89.37477	93.18632	98.51313	100.0821	106.7037	105.204	104.0052
65.50401	66.20941	69.48776	73.33957	76.46396	80.408	74.77984	86.34577	85.60796	91.88213	88.43076	88.28115	94.37566
20745.7	21866.1	21975.3	21445.2	22445.2	23604.1	23078.9	23801.1	24807.4	23553.1	24169.3	21894.5	31000
5.08473	5.338403	5.386102	5.235644	5.458463	5.785318	5.656593	5.833602	6.080245	5.705692	5.900708	5.366299	7.598039
1023709	1201420	1374940	1145031	1304918	1285051	1333533	1423367	1725159	1884583	2076999	2517192	2443067
1023709	1201420	1374940	1145031	1304918	1285051	1333533	1423367	1725159	1884583	2076999	2517192	2443067
2498.257	2370.677	2882.047	3318.358	3653.426	4856.633	4951.821	4772.626	6008.375	6395.565	6400.122	6651.858	12687.41
163767.9	162140.6	217032.1	245086.9	270971.3	366804.2	366814.1	371976.9	471003.1	523805.3	566377.9	607026.3	757219.3
320.72	332.26	332.85	316.74	335.69	349	329.29	346.09	350.84	322.3	329.67	277.61	352.98
-1023709	-1201420	-1374940	-1145031	-1304918	-1285051	-1333533	-1423367	-1725159	-1884583	-2076999	-2517192	-2443067

-3181784	-3658748	-4114892	-3558883	-3877156	-3805733	-3813185	-4113623	-4679734	-4781890	-5338665	-5888752	-5666220
18.21	17.19	21.33	23.52	26.24	35.91	39.94	38.33	50.11	53.78	57.22	58.68	63.23
193797.1	204811.4	213686.2	210479.3	226127.6	239620.2	238472.4	250324.8	269714.1	258229.8	271889.9	250358.8	358946.3
3.63	3.63	3.7	3.8	3.75	4.08	3.7	3.88	3.77	4.11	3.53	3.55	3.73
2272.369	2413.117	2499.255	2580.085	2643.474	2901.423	2619.407	2854.509	2877.233	3101.385	2755.521	2837.779	3085.605
1422595	1554870	1746113	1674687	1757508	1858308	1804923	1916283	2057747	2016746	2246590	2065641	2399208
1422595	1554870	1746113	1674687	1757508	1858308	1804923	1916283	2057747	2016746	2246590	2065641	2399208
1417100	1548954	1739852	1668686	1750980	1851263	1798175	1909046	2050032	2008950	2238855	2058217	2389165
20745.7	21866.1	21975.3	21445.2	22445.2	23604.1	23078.9	23801.1	24807.4	23553.1	24169.3	21894.5	31000
2272.369	2413.117	2499.255	2580.085	2643.474	2901.423	2619.407	2854.509	2877.233	3101.385	2755.521	2837.779	3085.605
1422595	1554870	1746113	1674687	1757508	1858308	1804923	1916283	2057747	2016746	2246590	2065641	2399208
3222.415	3502.629	3761.88	3420.392	3884.672	4143.883	4128.129	4382.268	4837.59	4695.127	4979.66	4586.439	6957.776
0.11	0.01	0.02	0.07	0.02	0.25	0.16	0.24	0.12	0.11	0.2	0.02	18.36
1.65	2.4	2.4	1.65	2.1	1.5	1.5	2.4	2.4	2.7	2.7	2.55	2.85
0.00228	0.003741	0.004087	0.002646	0.003145	0.002411	0.004259	0.003022	0.00425	0.006397	0.006486	0.008852	0.007573
0.002213	0.003596	0.003997	0.00258	0.003056	0.002357	0.004169	0.002931	0.004134	0.006242	0.006257	0.008563	0.007345
64.40467	359.1765	253.3151	384.0347	471.6152	454.924	1417.747	728.0357	1550.716	2204.595	1827.179	3206.446	4783.618
0.268134	1.18728	0.90075	1.450621	1.576088	1.586589	5.437995	2.209545	4.793053	5.902014	5.393457	8.724857	13.64843
36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08	102.52	139.76	119.88
0.030736	0.029778	0.029537	0.029966	0.02903	0.031259	0.029624	0.02906	0.029412	0.029254	0.030872	0.03054	0.030443
541.8	883.8	978.6	634.2	754.2	577.2	1020.6	717.6	1012.2	1546.2	1537.8	2096.4	1798.2
10964.26	18242.92	20603.72	13619.68	16520.66	12896.37	23259.31	16681.07	23999.81	37394.47	37935.15	52749.24	46150.91
2.361504	3.503625	3.573693	2.506049	3.253317	2.370267	2.417673	3.945653	4.024551	4.61818	4.710537	4.53783	5.173121
667.2267	1110.23	1253.88	828.836	1005.424	784.8188	1415.47	1015.189	1460.503	2275.697	2308.545	3210.217	2808.609
15819.12	15895.84	15838.2	15891.64	15970.08	15810.28	15835.44	15846	15840.24	16029.24	15878.4	15819.76	15822.44
3.877235	3.88082	3.881911	3.879794	3.883774	3.875068	3.881235	3.883823	3.882411	3.883052	3.876562	3.877392	3.878049
16320	16384	16320	16384	16448	16320	16320	16320	16320	16512	16384	16320	16320
4	4	4	4	4	4	4	4	4	4	4	4	4
36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08	102.52	139.76	119.88
57.9642	85.40086	117.2618	54.67745	87.14242	53.33102	68.9037	92.47625	94.32542	138.5454	157.0179	140.1389	155.1937
35.42257	52.55438	53.60541	37.59075	48.79976	35.55402	36.2651	59.1848	60.36827	69.2727	70.65806	68.06746	77.59683
11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17	40243.69	55959.46	48959.51
25650	25649.71	30848.52	31259.63	25499.01	23459.06	34972.04	23125.42	43888.43	57329.47	65591.82	116195.7	87639.1
14018.52	6296.563	8990.913	16811.11	7972.925	9777.871	10297.27	5429.167	18428.11	17659.3	25348.13	60236.26	38679.58

25650	25649.71	30848.52	31259.63	25499.01	23459.06	34972.04	23125.42	43888.43	57329.47	65591.82	116195.7	87639.1
9.03	14.73	16.31	10.57	12.57	9.62	17.01	11.96	16.87	25.77	25.63	34.94	29.97
11567.08	18993.97	21604.29	14064.48	17054.47	13226.26	23257.03	16968.22	23909.6	37465.57	38416.51	52753.01	44175.9
25581.45	25092.24	30527.93	30271.27	24820.98	22862.18	32651.35	22003.7	41026.03	54085.83	62934.21	110856.4	77882.1
0.44	0.635146	0.639432	0.439321	0.559517	0.39898	0.39707	0.639297	0.596271	0.678901	0.678892	0.678845	0.678618
35.92	57.8265	64.48391	41.15622	48.927	37.20047	64.1306	45.87183	63.36998	97.35152	97.8653	131.7518	108.1671
343.0131	426.1589	394.6905	562.0336	414.3002	433.6311	476.0417	488.6267	588.874	460.9376	474.138	503.2321	578.0638
3.430131	21.30795	15.78762	22.48134	24.85801	21.68156	28.5625	29.3176	41.22118	46.09376	56.89656	50.32321	75.1483
36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08	102.52	139.76	119.88
0.008852	0.014384	0.01599	0.010322	0.012227	0.009431	0.016676	0.011725	0.016539	0.02497	0.025029	0.034254	0.029382
14018.52	6296.563	8990.913	16811.11	7972.925	9777.871	10297.27	5429.167	18428.11	17659.3	25348.13	60236.26	38679.58
14018.52	6296.563	8990.913	16811.11	7972.925	9777.871	10297.27	5429.167	18428.11	17659.3	25348.13	60236.26	38679.58
0.2	1.0935	0.756088	1.123782	1.353001	1.279529	3.909396	1.968169	4.110017	5.728478	4.654701	8.00817	11.71295
64.40467	359.1765	253.3151	384.0347	471.6152	454.924	1417.747	728.0357	1550.716	2204.595	1827.179	3206.446	4783.618
8.88	14.39	16.02	10.21	12.14	9.27	16.02	11.39	15.81	24.3	24.31	32.87	25.8
-14018.5	-6296.56	-8990.91	-16811.1	-7972.93	-9777.87	-10297.3	-5429.17	-18428.1	-17659.3	-25348.1	-60236.3	-38679.6
-39600	-31388.8	-39518.8	-47082.4	-32793.9	-32640.1	-42948.6	-27432.9	-59454.1	-71745.1	-88282.3	-171093	-116562
0.05	0.25	0.17	0.27	0.31	0.29	0.87	0.45	0.95	1.33	1.11	1.89	2.26
2068.58	3979.335	4190.231	2568.789	3318.627	2531.37	4763.915	3626.237	4927.05	7781.097	7534.302	10888.51	9616.223
1.33	2.96	3.56	1.25	2.29	1.8	2.6	2.43	3	4.4	4.03	4.78	4.89
11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17	40243.69	55959.46	48959.51
11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17	40243.69	55959.46	48959.51
11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17	40243.69	55959.46	48959.51
36.12	58.92	65.24	42.28	50.28	38.48	68.04	47.84	67.48	103.08	102.52	139.76	119.88
11631.48	19353.15	21857.6	14448.52	17526.08	13681.19	24674.78	17696.26	25460.32	39670.17	40243.69	55959.46	48959.51
10.30352	10.29612	10.35002	10.28848	10.32137	10.33005	10.33756	10.32669	10.35755	10.34308	10.40557	10.41693	10.38896
0.560921	0.558647	0.536774	0.567195	0.545515	0.54121	0.532946	0.523369	0.510692	0.51961	0.498862	0.487961	0.492687
0.516591	0.51452	0.49453	0.522367	0.456335	0.49902	0.490996	0.482412	0.469991	0.481007	0.461242	0.449266	0.464533
3437217	3567472	3601183	3879623	3488261	3855656	3877262	3901444	3882829	4089638	3990995	3955940	4117953
13536.11	13860.8	13712.74	14474.68	12602.35	13934.18	13748.49	13592.27	13287.74	13835.89	13248.17	12895.59	13292.85
123510.8	123498.2	118236.3	125381.5	109960.1	119309.7	117391.4	115338.9	112369.3	116356.1	110709.9	107414.1	111064.4
0.056901	0.05769	0.057502	0.056989	0.057824	0.057069	0.058314	0.057274	0.057674	0.056998	0.057452	0.05734	0.057565
1263216	1263248	1212378	1281713	1126376	1222700	1204136	1184477	1155742	1195668	1140409	1107942	1145237
1373031	1401930	1404532	1519154	1378278	1528831	1559330	1605049	1619515	1721462	1719329	1727151	1824709

2.722533	2.818089	2.937421	2.995298	3.05662	3.11052	3.178283	3.238585	3.306419	3.364965	3.434339	3.502786	3.575217
2061821	2158891	2166156	2325283	2068027	2274834	2262209	2237121	2201342	2301900	2205664	2161816	2272951
220270.4	220947.2	220192.4	221072.6	201513.1	220194.8	219960.4	220215.9	220057.1	223758.8	221894.8	220183.6	225298.2
53.98784	53.94219	53.96873	53.9728	49.0061	53.96931	53.91186	53.97448	53.93555	54.20514	54.17353	53.96658	55.22016
239088	240025.6	239088	240025.6	240963.2	239088	239088	239088	239088	241900.8	240025.6	239088	239088
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
123510.8	123498.2	118236.3	125381.5	109960.1	119309.7	117391.4	115338.9	112369.3	116356.1	110709.9	107414.1	111064.4
387.4904	403.5064	421.3456	425.6146	399.952	447.8072	459.2413	467.8392	482.0956	490.2474	503.3559	517.6358	526.121
28.56521	29.53551	30.92515	31.35211	32.09516	32.69112	33.44143	34.02948	34.84837	35.41356	36.34974	37.11999	37.78918
3766484	3904076	3914744	4203420	3774669	4160636	4201402	4219851	4207522	4424108	4322661	4296495	4520957
6324013	6649285	6935939	7187854	6425080	7182539	7105401	7214959	7439131	8041134	8193375	8441786	8820465
2557530	2745209	3021195	2984434	2650411	3021903	2903998	2995108	3231609	3617026	3870714	4145291	4299508
6324013	6649285	6935939	7187854	6425080	7182539	7105401	7214959	7439131	8041134	8193375	8441786	8820465
3758.88	3769.47	3756.91	3771.92	3437.53	3757.59	3753.07	3757.34	3754.63	3817.3	3786.6	3757.4	3844.68
60625.51	57568.22	32169.5	32519.81	18521.75	14822.11	12364.13	8775.986	5449.74	4700.54	2638.24	1772.176	51898.59
120981.5	113019.3	63627.3	65323.37	33063.05	28215.59	22549.91	17233.92	11523.74	9801.969	5698.701	4596.341	103630.9
16.24304	16.32517	13.44443	13.33523	12.54372	10.51895	10.96796	10.16237	8.306971	8.936674	7.341196	7.412114	12.68646
2185.258	1998.687	1069.033	1059.496	589.2949	464.7407	380.9851	262.0155	159.4315	136.0881	74.05797	48.69208	1457.74
24.68283	26.21274	26.35491	28.53512	28.79203	26.95434	26.91561	28.39454	27.66862	27.96104	27.9519	27.77531	29.37168
24.64156	26.13424	26.31863	28.49684	28.7481	26.94568	26.8972	28.37822	27.6619	27.95673	27.94608	27.77225	29.32514
123510.8	123498.2	118236.3	125381.5	109960.1	119309.7	117391.4	115338.9	112369.3	116356.1	110709.9	107414.1	111064.4
30.27226	30.15093	28.97949	30.61072	26.74126	29.24258	28.7724	28.26935	27.54149	28.18704	27.02878	26.32699	27.22166
1897247	2084909	2387485	2314483	2061654	2382797	2274597	2375982	2627503	2992051	3274622	3566169	3700893
1897247	2084909	2387485	2314483	2061654	2382797	2274597	2375982	2627503	2992051	3274622	3566169	3700893
121325.6	121499.5	117167.3	124322	109370.8	118845	117010.4	115076.9	112209.8	116220	110635.8	107365.4	109606.6
3437217	3567472	3601183	3879623	3488261	3855656	3877262	3901444	3882829	4089638	3990995	3955940	4117953
11.35	2.9	7.71	4.28	1.07	3.36	1.26	0.55	1.63	0.71	0.17	0.53	0.82
-2557530	-2745209	-3021195	-2984434	-2650411	-3021903	-2903998	-2995108	-3231609	-3617026	-3870714	-4145291	-4299508
-2678511	-2858228	-3084822	-3049757	-2683474	-3050118	-2926548	-3012342	-3243133	-3626828	-3876413	-4149887	-4403139
477.65	175.83	278.42	287.46	160.72	491.56	218.61	177.62	287.53	508.64	182.45	287.12	178.77
0.022727	0.022727	0.023809	0.025	0.117424	0.022727	0.022727	0.022727	0.023809	0.020833	0.019841	0.022727	
858537.3	874869.1	890999.9	913892.7	856441.6	937847.3	954583.4	972938.4	987624.9	1022312	1031674	1036834	1079597
14.73	15	14.83	15.05	13.57	14.41	15.18	14.78	14.94	15.13	14.8	14.94	15.18
268641	279036.6	281391.5	291277.2	267886	290157.9	311775.8	309631.5	319243.1	329769.2	329028.1	338783.5	351106.1
4426767	4564376	4548454	4873371	4363426	4799742	4830804	4838977	4811628	5049084	4918753	4875616	5119573

4426767	4564376	4548454	4873371	4363426	4799742	4830804	4838977	4811628	5049084	4918753	4875616	5119573
3434852	3560821	3570688	3844437	3446305	3803665	3821539	3842170	3820857	4023361	3924993	3888967	4097659
123510.8	123498.2	118236.3	125381.5	109960.1	119309.7	117391.4	115338.9	112369.3	116356.1	110709.9	107414.1	111064.4
268641	279036.6	281391.5	291277.2	267886	290157.9	311775.8	309631.5	319243.1	329769.2	329028.1	338783.5	351106.1
4426767	4564376	4548454	4873371	4363426	4799742	4830804	4838977	4811628	5049084	4918753	4875616	5119573
62990.52	64219.06	62665.24	67706.01	60478.04	66813.44	68087.01	68049.97	67421.57	70977.21	68640.14	68745.03	72191.83
13.07	3.66	8.36	5.31	2.3	3.83	2.73	1.33	2.97	1.48	0.58	1.19	1.76
11.55	12.6	11.55	12.15	12	12.45	12.45	13.8	12.3	12.9	12.45	12	13.5
0.097422	0.102249	0.104733	0.099923	0.10546	0.111883	0.108832	0.112511	0.118709	0.110264	0.11536	0.105178	0.149952
0.094671	0.099155	0.102014	0.097026	0.101733	0.108544	0.105781	0.10924	0.115691	0.106698	0.111831	0.102294	0.145328
26345.84	26847.53	35531.82	38901.83	44842.4	62885.68	67388.66	66880.33	88745.86	95271.23	108940.9	120775	152996.6
91.35432	88.48747	117.1474	124.3155	143.1446	204.2727	212.5295	198.5121	261.2138	286.9842	310.6428	342.6314	446.6767
5407.64	5685.96	5827.08	5563.88	5856.62	6200.04	6042.26	6239.8	6608.28	6166.3	6412.84	5843.04	8301.16
0.030341	0.029721	0.029364	0.02908	0.030784	0.030604	0.029638	0.029648	0.029623	0.029598	0.030439	0.030443	0.030282
81114.6	85289.4	87406.2	83458.2	87849.3	93000.6	90633.9	93597	99124.2	92494.5	96192.6	87645.6	124517.4
384488.1	419234.6	480332.9	452156.6	475304.3	506716.9	490861.5	521053.2	568034.8	546863.4	617456	571362.6	661670.5
3.525912	3.938993	3.96164	4.155514	4.129307	4.316654	4.256529	4.834121	4.542194	4.8523	4.989731	4.957977	5.039436
5691.305	5552.662	6693.786	7451.908	8609.061	11914.51	12846.26	12230.52	16290.66	16702.06	17690.34	18958.02	40429.06
55383.86	55628.44	55441.26	55674.22	55799.8	55366.22	55427.82	55427.26	55430.62	56088.9	55600.3	55376.44	55385.68
13.57448	13.58116	13.58854	13.59234	13.56999	13.57015	13.58525	13.58511	13.58594	13.58743	13.57429	13.57266	13.57492
57120	57344	57120	57344	57568	57120	57120	57120	57120	57792	57344	57120	57120
14	14	14	14	14	14	14	14	14	14	14	14	14
5407.64	5685.96	5827.08	5563.88	5856.62	6200.04	6042.26	6239.8	6608.28	6166.3	6412.84	5843.04	8301.16
256.2385	265.8328	282.2007	307.7814	282.0363	307.5356	310.5366	306.5426	302.2572	302.793	323.7908	307.1371	319.8636
53.5337	59.53705	59.98559	62.95051	62.51163	65.28969	64.56003	73.24023	68.63914	73.56199	75.55781	75.1233	76.00928
386189.1	421051.1	482065.4	453952.1	477194.3	508480.9	492762	523111.2	569903.8	548952.9	619304	573000.6	663749.5
673530	741413.8	855967.3	760847.8	825885.9	852672.5	849194.7	903207.3	1036838	1057128	1187542	1267682	1324839
287340.8	320362.8	373901.9	306895.7	348691.5	344191.6	356432.7	380096.1	466933.9	508174.8	568238.1	694681.4	661089.8
673530	741413.8	855967.3	760847.8	825885.9	852672.5	849194.7	903207.3	1036838	1057128	1187542	1267682	1324839
1149.38	1262.55	1140.78	1265.09	1165.42	1265.31	1303.08	1204.89	1205.88	1159.87	1134.41	1062.21	1367.79
359843.3	394203.5	446533.6	415050.3	432351.9	445595.2	425373.3	456230.8	481157.9	453681.7	510363.2	452225.5	510753
627358.1	693383.9	794663.9	698907.6	744507	745360.2	727784.2	788346.2	880719.5	875021.6	982901.6	1025950	1001433
10.67356	11.62292	10.56075	11.0953	10.96319	11.314	11.31373	12.5808	11.03924	11.62427	11.15062	10.6663	11.88132
5028.22	5315.783	5380.828	5067.086	5282.683	5405.739	5185.843	5424.432	5522.236	5052.829	5233.484	4579.172	5605.89

74.20375	75.94219	82.02934	80.95007	82.19837	84.55127	82.17793	85.05676	87.11432	92.13037	96.86658	98.44005	95.01247
48.75457	53.8068	56.47389	59.69825	62.43439	65.84331	60.61481	74.67374	71.26169	76.1906	73.46705	75.5232	83.12431
5407.64	5685.96	5827.08	5563.88	5856.62	6200.04	6042.26	6239.8	6608.28	6166.3	6412.84	5843.04	8301.16
1.325401	1.388173	1.428205	1.358369	1.424275	1.519617	1.480946	1.529362	1.619676	1.493774	1.565634	1.432117	2.034598
287340.8	320362.8	373901.9	306895.7	348691.5	344191.6	356432.7	380096.1	466933.9	508174.8	568238.1	694681.4	661089.8
287340.8	320362.8	373901.9	306895.7	348691.5	344191.6	356432.7	380096.1	466933.9	508174.8	568238.1	694681.4	661089.8
379.4203	370.1775	446.2524	496.7939	573.9374	794.301	856.4174	815.3678	1086.044	1113.471	1179.356	1263.868	2695.27
26345.84	26847.53	35531.82	38901.83	44842.4	62885.68	67388.66	66880.33	88745.86	95271.23	108940.9	120775	152996.6
106.65	109.93	101.14	115.67	106.45	113.32	106.24	110.74	103.79	93.1	94.06	84	81.42
-287341	-320363	-373902	-306896	-348692	-344192	-356433	-380096	-466934	-508175	-568238	-694681	-661090
-914699	-1013747	-1168566	-1005803	-1093199	-1089552	-1084217	-1168442	-1347653	-1383196	-1551140	-1720631	-1662523
6.16	5.87	7.05	8.92	8.48	12.25	13.59	12.94	18.08	17.06	16.41	19.88	18.66
102792.9	107998	113320.1	112074.9	118824.8	127173.3	126113.5	132342.2	143502.9	134653.3	142882.7	132782	187983.9
1.62	1.73	1.65	1.71	1.8	1.68	1.81	1.96	1.78	1.99	1.76	1.56	1.98
1701	1816.5	1732.5	1795.5	1890	1764	1900.5	2058	1869	2089.5	1848	1638	2079
386189.1	421051.1	482065.4	453952.1	477194.3	508480.9	492762	523111.2	569903.8	548952.9	619304	573000.6	663749.5
386189.1	421051.1	482065.4	453952.1	477194.3	508480.9	492762	523111.2	569903.8	548952.9	619304	573000.6	663749.5
384488.1	419234.6	480332.9	452156.6	475304.3	506716.9	490861.5	521053.2	568034.8	546863.4	617456	571362.6	661670.5
5407.64	5685.96	5827.08	5563.88	5856.62	6200.04	6042.26	6239.8	6608.28	6166.3	6412.84	5843.04	8301.16
1701	1816.5	1732.5	1795.5	1890	1764	1900.5	2058	1869	2089.5	1848	1638	2079
386189.1	421051.1	482065.4	453952.1	477194.3	508480.9	492762	523111.2	569903.8	548952.9	619304	573000.6	663749.5
			0.03	0.04	0.14	0.09	0.06	0.12	0.14	0.08		11.83
10.9537	10.95266	10.98821	10.93123	10.9938	10.97576	10.99238	10.99164	11.03884	11.01458	11.07772	11.08612	11.10188
0.410246	0.421112	0.404915	0.422841	0.41171	0.405195	0.410601	0.408894	0.398751	0.395257	0.394768	0.382568	0.404189
0.376991	0.401164	0.376403	0.397265	0.38675	0.368088	0.386231	0.389617	0.374622	0.363057	0.376814	0.360773	0.388753
13689136	14877430	15065059	16252312	16569279	16365633	17365205	18048846	18178046	18473389	19533176	19476692	20585705
53155.85	57223.5	56553.04	59855.39	60011.38	58185.54	60808.69	62273.87	61445.58	61463.39	64151.64	62773.77	65675.72
564646.4	603207.8	563765.7	597344.4	583805.5	551311.1	578484.8	583556	561098.2	550173.9	566593.2	540355	582263
0.034665	0.034673	0.034469	0.034367	0.034706	0.034612	0.03498	0.034523	0.034487	0.034384	0.034683	0.034637	0.034886
6152379	6576612	6158283	6500568	6388136	6020426	6327341	6393339	6166285	6037141	6236563	5954037	6438596
9686728	10574876	10762818	11241869	11366929	11288796	11861363	12421894	12611007	12742128	13896916	13555018	14646751
2.847285	2.940622	3.062751	3.093529	3.151552	3.239035	3.265591	3.344741	3.437761	3.505382	3.600104	3.655485	3.678091
8167950	9143172	8695978	9312579	9217330	8663044	9253017	9406396	9035781	8914118	9319002	8991184	9571882
171714.8	155668.7	185782	210847.4	216365.8	284593.2	266380.5	260703.3	308495.1	331941.9	319558.7	330952	508962.7

1376247	1432272	1392279	1412658	1418106	1360446	1409064	1426975	1407077	1391977	1435034	1412069	1440411
337.3154	349.6758	341.2449	344.8872	344.8701	333.4426	345.3588	349.7487	344.8717	337.2037	350.3502	346.0953	353.0418
1497768	1503642	1497768	1503642	1509515	1497768	1497768	1497768	1497768	1515389	1503642	1497768	1497768
367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1
564646.4	603207.8	563765.7	597344.4	583805.5	551311.1	578484.8	583556	561098.2	550173.9	566593.2	540355	582263
2387.022	2595.881	2760.2	2656.242	2698.62	2661.209	2787.186	2909.891	2911.705	3090.894	3293.35	3197.309	3350.327
32.73643	33.80598	35.25541	35.46546	36.34423	37.31699	37.67495	38.59894	39.8142	40.5047	41.77605	42.42746	42.87002
19170159	21141481	20832492	22021107	22037394	21404044	22656231	23402683	23209849	23221206	24856231	24152850	25992589
31446644	34919999	35914197	36656159	36611046	35825108	37273435	38828734	40091935	41508246	45388615	46759613	49006007
12276485	13778518	15081705	14635052	14573652	14421064	14617204	15426051	16882085	18287040	20532384	22606762	23013418
31446644	34919999	35914197	36656159	36611046	35825108	37273435	38828734	40091935	41508246	45388615	46759613	49006007
16239.62	16929.66	16039.74	16800.67	16350.71	16112.4	16876.71	16794.18	16511.82	16285.6	16621.83	16129.29	17549.59
5095177	5856430	5368462	5351088	5063765	4621252	4838435	4899990	4573120	4276368	4840211	4183491	4890864
9226401	10579126	10177815	9614634	9144477	8270600	8653364	8941154	8984784	8490309	9877084	9961602	10015238
15.12051	15.57584	13.92506	14.2552	13.79735	13.0962	13.32324	14.02417	12.60029	12.64974	12.41907	11.3998	13.77852
111001	124689	99611.49	102681.6	92199.48	80058.55	84977.29	82785.55	70961.35	62367.65	66898.17	54194.24	70891.52
47.58954	51.03049	53.36607	55.17673	58.60701	57.42843	57.28217	63.01426	63.99726	68.5384	70.89766	68.49909	76.77071
47.43084	50.91529	53.23899	55.05433	58.52809	57.27873	57.15234	62.88386	63.92924	68.4023	70.81924	68.42025	76.59064
564646.4	603207.8	563765.7	597344.4	583805.5	551311.1	578484.8	583556	561098.2	550173.9	566593.2	540355	582263
138.3937	147.2675	138.1779	145.836	141.976	135.1253	141.7855	143.0284	137.5241	133.2786	138.3284	132.44	142.7115
9473527	10770448	12287038	11664570	11663306	11730146	11755737	12535958	14120905	15576803	17727573	19913943	20194967
9473527	10770448	12287038	11664570	11663306	11730146	11755737	12535958	14120905	15576803	17727573	19913943	20194967
453645.4	478518.8	464154.2	494662.8	491606	471252.5	493507.6	500770.5	490136.9	487806.3	499695.1	486160.8	511371.5
13689136	14877430	15065059	16252312	16569279	16365633	17365205	18048846	18178046	18473389	19533176	19476692	20585705
1070.1	1123.97	994.53	1047.01	935.97	895.96	870.55	847.98	765.49	705.02	742.14	636.23	695.93
-1.2E+07	-1.4E+07	-1.5E+07	-1.5E+07	-1.5E+07	-1.4E+07	-1.5E+07	-1.5E+07	-1.7E+07	-1.8E+07	-2.1E+07	-2.3E+07	-2.3E+07
-2.2E+07	-2.4E+07	-2.5E+07	-2.4E+07	-2.4E+07	-2.3E+07	-2.3E+07	-2.4E+07	-2.6E+07	-2.7E+07	-3E+07	-3.3E+07	-3.3E+07
2614.6	2534.69	2749.78	2679.24	2836.97	2931.71	2897.97	2943.64	3086.01	3214.69	3149.85	3272.55	3134.83
0.016853	0.00666	0.019595	0.011532	0.015396	0.025118	0.00942	0.00666	0.011298	0.017799	0.005378	0.009056	
3124091	3308947	3247682	3395664	3451435	3382804	3607341	3712194	3754480	3762653	3955718	3916414	4284905
51.64	58.01	56.67	52.34	53.88	51.77	57	56.08	56.53	61.89	60.13	61.62	64.02
392936.6	414923.8	406278.3	425488	411852.3	424993.9	460523.7	462080.1	466778	480181.7	490951.2	500245	524523.1
21973117	24149551	23627159	24991589	24947740	24094962	25517697	26292776	25971029	25931443	27661042	26845670	28811041
21973117	24149551	23627159	24991589	24947740	24094962	25517697	26292776	25971029	25931443	27661042	26845670	28811041
17854678	19718047	19458797	20554447	20584259	19951840	21114380	21828289	21646788	21656246	23215918	22546201	24218633

564646.4	603207.8	563765.7	597344.4	583805.5	551311.1	578484.8	583556	561098.2	550173.9	566593.2	540355	582263
392936.6	414923.8	406278.3	425488	411852.3	424993.9	460523.7	462080.1	466778	480181.7	490951.2	500245	524523.1
21973117	24149551	23627159	24991589	24947740	24094962	25517697	26292776	25971029	25931443	27661042	26845670	28811041
922544.1	1008510	967416.7	1041171	1041283	1027210	1081327	1112313	1096283	1084778	1149362	1106404	1249433
379.79	428.78	323.14	355.85	328.21	235.79	297.84	284.32	222.57	197.6	200.27	164.41	246.56

39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
4180145	4098614	4821461	5107823	5706449	6290532	6627924	6814394	7464907	8699309	8133048	8937959	9106342
16055.51	15204.34	17755.91	18375.28	20136.81	22250.22	22663.24	22772.93	24637.83	28445.05	25741.6	27992.74	27794.81
-1031702	-1053131	-1071097	-1095743	-1119921	-1125203	-1149471	-1169284	-1189248	-1221482	-1234481	-1247705	-1269086
1031702	1053131	1071097	1095743	1119921	1125203	1149471	1169284	1189248	1221482	1234481	1247705	1269086
4180145	4098614	4821461	5107823	5706449	6290532	6627924	6814394	7464907	8699309	8133048	8937959	9106342
2617.89	2529.75	2751.57	2680.94	2836.61	2937.86	2901.13	2936.75	3082.6	3216.53	3145.22	3270.82	3129.96
234.9995	241.3312	247.0829	254.012	256.2117	261.6912	274.5773	280.0529	284.8714	296.8357	298.4917	307.5066	317.6486
79.43059	80.54732	85.65434	85.83851	90.06356	96.22871	98.20283	101.5955	107.1364	112.7843	114.4623	119.8	124.6961
219641.4	214674.7	247757.2	241837.7	267625.5	295344.6	297083	309237.2	339951.6	371607.4	374719.4	402628.7	398892
-1031702	-1053131	-1071097	-1095743	-1119921	-1125203	-1149471	-1169284	-1189248	-1221482	-1234481	-1247705	-1269086
-252.868	-257.112	-262.524	-267.515	-272.354	-275.785	-281.733	-286.589	-291.482	-295.902	-301.387	-305.81	-311.05
-4E+07	-4.3E+07	-4.5E+07	-4.7E+07	-4.8E+07	-4.9E+07	-5.1E+07	-5.2E+07	-5.5E+07	-5.9E+07	-6.1E+07	-6.4E+07	-6.6E+07
-38.6181	-40.3958	-42.3019	-43.0645	-43.0277	-43.5462	-44.0186	-44.8088	-45.938	-47.9078	-49.4169	-51.1226	-52.149
-4E+07	-4.3E+07	-4.5E+07	-4.7E+07	-4.8E+07	-4.9E+07	-5.1E+07	-5.2E+07	-5.5E+07	-5.9E+07	-6.1E+07	-6.4E+07	-6.6E+07
39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
44013965	46648368	50112208	52284107	53943078	55298515	57224117	59234091	62128691	67250052	69111038	72774538	75276947
1031702	1053131	1071097	1095743	1119921	1125203	1149471	1169284	1189248	1221482	1234481	1247705	1269086
39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605

39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
4180145	4098614	4821461	5107823	5706449	6290532	6627924	6814394	7464907	8699309	8133048	8937959	9106342
16055.51	15204.34	17755.91	18375.28	20136.81	22250.22	22663.24	22772.93	24637.83	28445.05	25741.6	27992.74	27794.81
-1031702	-1053131	-1071097	-1095743	-1119921	-1125203	-1149471	-1169284	-1189248	-1221482	-1234481	-1247705	-1269086
1031702	1053131	1071097	1095743	1119921	1125203	1149471	1169284	1189248	1221482	1234481	1247705	1269086
4180145	4098614	4821461	5107823	5706449	6290532	6627924	6814394	7464907	8699309	8133048	8937959	9106342

2617.89	2529.75	2751.57	2680.94	2836.61	2937.86	2901.13	2936.75	3082.6	3216.53	3145.22	3270.82	3129.96
234.9995	241.3312	247.0829	254.012	256.2117	261.6912	274.5773	280.0529	284.8714	296.8357	298.4917	307.5066	317.6486
79.43059	80.54732	85.65434	85.83851	90.06356	96.22871	98.20283	101.5955	107.1364	112.7843	114.4623	119.8	124.6961
219641.4	214674.7	247757.2	241837.7	267625.5	295344.6	297083	309237.2	339951.6	371607.4	374719.4	402628.7	398892
-1031702	-1053131	-1071097	-1095743	-1119921	-1125203	-1149471	-1169284	-1189248	-1221482	-1234481	-1247705	-1269086
-252.868	-257.112	-262.524	-267.515	-272.354	-275.785	-281.733	-286.589	-291.482	-295.902	-301.387	-305.81	-311.05
-4E+07	-4.3E+07	-4.5E+07	-4.7E+07	-4.8E+07	-4.9E+07	-5.1E+07	-5.2E+07	-5.5E+07	-5.9E+07	-6.1E+07	-6.4E+07	-6.6E+07
-38.6181	-40.3958	-42.3019	-43.0645	-43.0277	-43.5462	-44.0186	-44.8088	-45.938	-47.9078	-49.4169	-51.1226	-52.149
-4E+07	-4.3E+07	-4.5E+07	-4.7E+07	-4.8E+07	-4.9E+07	-5.1E+07	-5.2E+07	-5.5E+07	-5.9E+07	-6.1E+07	-6.4E+07	-6.6E+07
39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
44013965	46648368	50112208	52284107	53943078	55298515	57224117	59234091	62128691	67250052	69111038	72774538	75276947
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39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
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44142.72	44288.83	44227.38	44178.36	44262.79	44240.26	44156.4	44177.83	44117.83	44502.28	44291.47	44147.93	44202.89
1618445	1711154	1781601	1823079	1814095	1844713	1855299	1903150	1947204	2050027	2117844	2207489	2189144

19.38367	24.56082	23.18259	24.3398	23.87865	23.06507	24.85353	27.2023	28.77034	23.95421	33.34922	26.03271	25.11833
15.89461	13.75406	17.61877	16.55107	15.75991	17.52945	19.38575	11.69699	12.94666	15.33069	12.00572	14.31799	7.786683
44142.72	44288.83	44227.38	44178.36	44262.79	44240.26	44156.4	44177.83	44117.83	44502.28	44291.47	44147.93	44202.89
10.8193	10.8127	10.84004	10.78573	10.7643	10.8432	10.82265	10.8279	10.81319	10.78059	10.81335	10.82057	10.83404
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1618445	1711154	1781601	1823079	1814095	1844713	1855299	1903150	1947204	2050027	2117844	2207489	2189144
44142.72	44288.83	44227.38	44178.36	44262.79	44240.26	44156.4	44177.83	44117.83	44502.28	44291.47	44147.93	44202.89
-1618445	-1711154	-1781601	-1823079	-1814095	-1844713	-1855299	-1903150	-1947204	-2050027	-2117844	-2207489	-2189144
-1618445	-1711154	-1781601	-1823079	-1814095	-1844713	-1855299	-1903150	-1947204	-2050027	-2117844	-2207489	-2189144
15.48	8.43	12.53	13.64	10.7	16.38	13.46	3.97	5.89	10.54	3.74	6.79	2.68
1024250	1039235	1055449	1073849	1097677	1120161	1138185	1155430	1169835	1209585	1224792	1243892	1262544
44142.72	44288.83	44227.38	44178.36	44262.79	44240.26	44156.4	44177.83	44117.83	44502.28	44291.47	44147.93	44202.89
44142.72	44288.83	44227.38	44178.36	44262.79	44240.26	44156.4	44177.83	44117.83	44502.28	44291.47	44147.93	44202.89

1618445	1711154	1781601	1823079	1814095	1844713	1855299	1903150	1947204	2050027	2117844	2207489	2189144
1618445	1711154	1781601	1823079	1814095	1844713	1855299	1903150	1947204	2050027	2117844	2207489	2189144
2708719	2831819	2939029	3064778	3202083	3288320	3431111	3569568	3708029	3891169	4018566	4161770	
10982.01	11298.02	11478.21	11747.91	12054.45	12224.81	12487.9	12774.66	13049.59	13485.92	13669.49	13948.76	
75096.19	75314.32	75186.2	75320.18	75645.7	74956.02	75161.25	75227.99	75228.83	75777.39	75437.7	75149.34	75141.04
2822444	2957868	3093867	3153932	3164925	3172524	3219774	3285751	3366156	3525513	3625973	3754184	3808972
75096.19	75314.32	75186.2	75320.18	75645.7	74956.02	75161.25	75227.99	75228.83	75777.39	75437.7	75149.34	75141.04
18.40593	18.38729	18.42799	18.38872	18.39633	18.37157	18.42187	18.43823	18.43844	18.35693	18.41741	18.41895	18.41692
113724.1	126049.2	154837.8	89154.3	-37157.5	-115797	-211337	-283817	-341873	-365656	-392593	-407586	3808972
113724.1	126049.2	154837.8	89154.3	-37157.5	-115797	-211337	-283817	-341873	-365656	-392593	-407586	3808972
75096.19	75314.32	75186.2	75320.18	75645.7	74956.02	75161.25	75227.99	75228.83	75777.39	75437.7	75149.34	75141.04
2708719	2831819	2939029	3064778	3202083	3288320	3431111	3569568	3708029	3891169	4018566	4161770	
-113724	-126049	-154838	-89154.3	37157.49	115796.7	211336.9	283817.4	341873.2	365656	392592.6	407586	-3808972
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2708719	2831819	2939029	3064778	3202083	3288320	3431111	3569568	3708029	3891169	4018566	4161770	
2708719	2831819	2939029	3064778	3202083	3288320	3431111	3569568	3708029	3891169	4018566	4161770	
75096.19	75314.32	75186.2	75320.18	75645.7	74956.02	75161.25	75227.99	75228.83	75777.39	75437.7	75149.34	75141.04
2708719	2831819	2939029	3064778	3202083	3288320	3431111	3569568	3708029	3891169	4018566	4161770	
2708719	2831819	2939029	3064778	3202083	3288320	3431111	3569568	3708029	3891169	4018566	4161770	
75096.19	75314.32	75186.2	75320.18	75645.7	74956.02	75161.25	75227.99	75228.83	75777.39	75437.7	75149.34	75141.04
2822444	2957868	3093867	3153932	3164925	3172524	3219774	3285751	3366156	3525513	3625973	3754184	3808972
113724.1	126049.2	154837.8	89154.3	-37157.5	-115797	-211337	-283817	-341873	-365656	-392593	-407586	3808972
2708719	2831819	2939029	3064778	3202083	3288320	3431111	3569568	3708029	3891169	4018566	4161770	
2664493	2771980	2869518	2981166	3101331	3171340	3294984	3414424	3532180	3690753	3797774	3916654	
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84372.81	84614.76	84472.11	84620.11	84991.26	84209.78	84443.46	84515.45	84522.13	85138.47	84752.83	84428.83	84423.06
3171220	3323266	3476113	3543418	3556153	3564160	3617683	3691592	3782023	3961314	4073713	4218230	4279796
	40.73191		22.50667	26.64199			7.786458	26.57429	50.62536			
	0.407319		2.250667	0.799259			0.077864	0.265742	0.506253			
84372.81	84614.76	84472.11	84620.11	84991.26	84209.78	84443.46	84515.45	84522.13	85138.47	84752.83	84428.83	84423.06
20.67961	20.6579	20.70395	20.65921	20.66908	20.63965	20.69693	20.71457	20.71621	20.62463	20.69161	20.69334	20.69193
506726.5	551286.2	606595	562252	454822	392820	322699.4	277168	249842.9	270560.7	275938.8	301576.2	4279796

506726.5	551286.2	606595	562252	454822	392820	322699.4	277168	249842.9	270560.7	275938.8	301576.2	4279796
84372.81	84614.76	84472.11	84620.11	84991.26	84209.78	84443.46	84515.45	84522.13	85138.47	84752.83	84428.83	84423.06
2664493	2771980	2869518	2981166	3101331	3171340	3294984	3414424	3532180	3690753	3797774	3916654	
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	0.02		0.22	0.03			0.03	0.01	0.01			
1031702	1053131	1071097	1095743	1119921	1125203	1149471	1169284	1189248	1221482	1234481	1247705	1269086
2664493	2771980	2869518	2981166	3101331	3171340	3294984	3414424	3532180	3690753	3797774	3916654	
2664493	2771980	2869518	2981166	3101331	3171340	3294984	3414424	3532180	3690753	3797774	3916654	
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2664493	2771980	2869518	2981166	3101331	3171340	3294984	3414424	3532180	3690753	3797774	3916654	
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3171220	3323266	3476113	3543418	3556153	3564160	3617683	3691592	3782023	3961314	4073713	4218230	4279796
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2664493	2771980	2869518	2981166	3101331	3171340	3294984	3414424	3532180	3690753	3797774	3916654	
43189.69	43310.82	43261.2	43207.46	43295.95	43271.23	43190.07	43206.87	43156.7	43546.41	43325.14	43182.56	43237.37
1581359	1672174	1741382	1780874	1771670	1803965	1818859	1864057	1905708	2003420	2065521	2156338	2144439
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43189.69	43310.82	43261.2	43207.46	43295.95	43271.23	43190.07	43206.87	43156.7	43546.41	43325.14	43182.56	43237.37
10.58571	10.57393	10.60324	10.5487	10.52917	10.60569	10.5858	10.58992	10.57762	10.54903	10.57743	10.58396	10.5974
1581359	1672174	1741382	1780874	1771670	1803965	1818859	1864057	1905708	2003420	2065521	2156338	2144439
1581359	1672174	1741382	1780874	1771670	1803965	1818859	1864057	1905708	2003420	2065521	2156338	2144439
43189.69	43310.82	43261.2	43207.46	43295.95	43271.23	43190.07	43206.87	43156.7	43546.41	43325.14	43182.56	43237.37
-1581359	-1672174	-1741382	-1780874	-1771670	-1803965	-1818859	-1864057	-1905708	-2003420	-2065521	-2156338	-2144439
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0.03	0.05	0.02	0.01	0.02	0.16	0.18	0.06		0.12		0.02	
1016949	1035079	1055327	1070080	1096307	1117246	1137774	1154473	1180130	1215315	1221683	1237360	1260220
43189.69	43310.82	43261.2	43207.46	43295.95	43271.23	43190.07	43206.87	43156.7	43546.41	43325.14	43182.56	43237.37
43189.69	43310.82	43261.2	43207.46	43295.95	43271.23	43190.07	43206.87	43156.7	43546.41	43325.14	43182.56	43237.37
1581359	1672174	1741382	1780874	1771670	1803965	1818859	1864057	1905708	2003420	2065521	2156338	2144439
1581359	1672174	1741382	1780874	1771670	1803965	1818859	1864057	1905708	2003420	2065521	2156338	2144439

43469.73	43638.68	43569.86	43480.46	43538.14	43543.97	43509.6	43505.99	43448.56	43814.4	43605.65	43517.99	43535.42
1596265	1686749	1754613	1793018	1786104	1814664	1831070	1873655	1923738	2013993	2076009	2186530	2160594
	31.81256		12.8887	33.9115				8.6739	37.819			
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	0.06		0.03	0.1				0.03	0.02			
1014388	1033173	1058802	1076315	1094761	1118973	1146107	1157109	1167567	1208165	1216535	1238402	1263423
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1596265	1686749	1754613	1793018	1786104	1814664	1831070	1873655	1923738	2013993	2076009	2186530	2160594
1746071	1758304	1753626	1754135	1768017	1748527	1751404	1756005	1756620	1775024	1760413	1755118	
6981.267	6916.635	6751.456	6631.805	6566.814	6418.259	6283.279	6194.216	6097.026	6068.902	5908.543	5805.513	
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1293264	1347085	1421846	1437435	1457984	1459022	1479142	1518661	1553722	1616898	1675281	1756452	1723185
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8.353671	8.379336	8.389817	8.359471	8.392841	8.365422	8.379187	8.401197	8.404141	8.393443	8.389389	8.396955	8.357596
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452807.4	411219.2	331779.9	316700.4	310033.8	289505.2	272262.4	237343.6	202898	158125.6	85132.66	-1333.99	-1723185
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1017900	1040415	1057701	1081151	1100594	1116050	1145145	1164804	1174008	1198828	1222576	1238382	1266104
1746071	1758304	1753626	1754135	1768017	1748527	1751404	1756005	1756620	1775024	1760413	1755118	
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34082.98	34321.76	34230.46	34240.39	34511.37	34130.92	34187.09	34276.88	34288.9	34648.13	34362.94	34259.58	34098.99
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1293264	1347085	1421846	1437435	1457984	1459022	1479142	1518661	1553722	1616898	1675281	1756452	1723185
-452807	-411219	-331780	-316700	-310034	-289505	-272262	-237344	-202898	-158126	-85132.7	1333.989	1723185
1746071	1758304	1753626	1754135	1768017	1748527	1751404	1756005	1756620	1775024	1760413	1755118	

2497717	2589488	2638097	2700400	2788306	2842048	2911128	2995629	3073347	3172458	3218864	3213113	
10183.48	10385.6	10354.94	10407.44	10555.94	10630.97	10650.97	10775.5	10882.51	11055.59	11009.08	10829.3	
34061.32	34448.42	34238.77	34195.27	34444.8	34253.93	34232.45	34365.36	34396.72	34641.38	34290.66	34229.39	34183.69
1253206	1315863	1376499	1397118	1413515	1414447	1428792	1484982	1518974	1565501	1605520	1727571	1667303
34061.32	34448.42	34238.77	34195.27	34444.8	34253.93	34232.45	34365.36	34396.72	34641.38	34290.66	34229.39	34183.69
8.348363	8.410258	8.391854	8.348454	8.376652	8.39557	8.390307	8.422883	8.430569	8.391807	8.371742	8.389557	8.378356
-1244511	-1273624	-1261598	-1303282	-1374791	-1427601	-1482336	-1510647	-1554373	-1606957	-1613344	-1485542	1667303
-1244511	-1273624	-1261598	-1303282	-1374791	-1427601	-1482336	-1510647	-1554373	-1606957	-1613344	-1485542	1667303
34061.32	34448.42	34238.77	34195.27	34444.8	34253.93	34232.45	34365.36	34396.72	34641.38	34290.66	34229.39	34183.69
2497717	2589488	2638097	2700400	2788306	2842048	2911128	2995629	3073347	3172458	3218864	3213113	
1244511	1273624	1261598	1303282	1374791	1427601	1482336	1510647	1554373	1606957	1613344	1485542	-1667303
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1024747	1047956	1056788	1090105	1104924	1115566	1139474	1162135	1185743	1221117	1226133	1244031	1263906
2497717	2589488	2638097	2700400	2788306	2842048	2911128	2995629	3073347	3172458	3218864	3213113	
2497717	2589488	2638097	2700400	2788306	2842048	2911128	2995629	3073347	3172458	3218864	3213113	
34061.32	34448.42	34238.77	34195.27	34444.8	34253.93	34232.45	34365.36	34396.72	34641.38	34290.66	34229.39	34183.69
2497717	2589488	2638097	2700400	2788306	2842048	2911128	2995629	3073347	3172458	3218864	3213113	
2497717	2589488	2638097	2700400	2788306	2842048	2911128	2995629	3073347	3172458	3218864	3213113	
34061.32	34448.42	34238.77	34195.27	34444.8	34253.93	34232.45	34365.36	34396.72	34641.38	34290.66	34229.39	34183.69
1253206	1315863	1376499	1397118	1413515	1414447	1428792	1484982	1518974	1565501	1605520	1727571	1667303
-1244511	-1273624	-1261598	-1303282	-1374791	-1427601	-1482336	-1510647	-1554373	-1606957	-1613344	-1485542	1667303
2497717	2589488	2638097	2700400	2788306	2842048	2911128	2995629	3073347	3172458	3218864	3213113	

9617001	9951589	10200269	10500480	10859737	11050236	11388627	11735626	12070176	12529403	12795617	13046655	
38949.4	39659.47	39791.25	40214.47	40852.28	41063.83	41414.44	41963.69	42459.75	43401.62	43505.41	43710.67	
358415.4	359937.6	359186	359242.2	360690	358606.1	358880.3	359276.4	359159.7	362068.5	360066.4	358915.6	358822.5
13336202	14014159	14645920	14928875	14964446	15073495	15250620	15621847	15997524	16736666	17239861	18006794	17973432

19.4355	24.77364	23.17242	24.09752	23.78394	23.05778	24.56871	27.14573	28.67543	23.93517	33.34922	25.8675	25.11833
15.93711	14.12098	17.61104	16.38631	15.6974	17.52391	19.1636	11.67267	12.90394	15.31851	12.00572	14.22713	7.786683
358415.4	359937.6	359186	359242.2	360690	358606.1	358880.3	359276.4	359159.7	362068.5	360066.4	358915.6	358822.5
87.84692	87.87539	88.03578	87.70562	87.71644	87.89365	87.96086	88.05794	88.02933	87.71038	87.90683	87.96952	87.94668
3719201	4062569	4445651	4428394	4104709	4023259	3861992	3886221	3927348	4207262	4444244	4960139	17973432
3719201	4062569	4445651	4428394	4104709	4023259	3861992	3886221	3927348	4207262	4444244	4960139	17973432
358415.4	359937.6	359186	359242.2	360690	358606.1	358880.3	359276.4	359159.7	362068.5	360066.4	358915.6	358822.5
9617001	9951589	10200269	10500480	10859737	11050236	11388627	11735626	12070176	12529403	12795617	13046655	
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-3719201	-4062569	-4445651	-4428394	-4104709	-4023259	-3861992	-3886221	-3927348	-4207262	-4444244	-4960139	-1.8E+07
15.51	8.56	12.55	13.9	10.85	16.54	13.64	4.06	5.93	10.69	3.74	6.81	2.68
7161639	7302121	7426263	7582986	7734106	7838402	8005627	8132520	8255780	8495974	8580681	8697476	8854368
9617001	9951589	10200269	10500480	10859737	11050236	11388627	11735626	12070176	12529403	12795617	13046655	
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9617001	9951589	10200269	10500480	10859737	11050236	11388627	11735626	12070176	12529403	12795617	13046655	
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13336202	14014159	14645920	14928875	14964446	15073495	15250620	15621847	15997524	16736666	17239861	18006794	17973432
3719201	4062569	4445651	4428394	4104709	4023259	3861992	3886221	3927348	4207262	4444244	4960139	17973432
9617001	9951589	10200269	10500480	10859737	11050236	11388627	11735626	12070176	12529403	12795617	13046655	

10.9537	10.95266	10.98821	10.93123	10.9938	10.97576	10.99238	10.99164	11.03884	11.01458	11.07772	11.08612	11.10188
0.410246	0.421112	0.404915	0.422841	0.41171	0.405195	0.410601	0.408894	0.398751	0.395257	0.394768	0.382568	0.404189
0.376991	0.401164	0.376403	0.397265	0.38675	0.368088	0.386231	0.389617	0.374622	0.363057	0.376814	0.360773	0.388753
39833821	42549754	45290747	47176284	48236629	49007982	50596193	52419697	54663784	58550743	60977990	63836579	66170605
27486282	28927633	30086790	31860616	33135465	33706401	35381756	36598866	37713129	39702102	40461842	41461306	29692047
108160.8	112087.3	114100.2	118445.1	121000.5	121499.6	124886.4	127010.5	128543.2	133310.1	133398.6	134477.2	93470.53
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0.034665	0.034673	0.034469	0.034367	0.034706	0.034612	0.03498	0.034523	0.034487	0.034384	0.034683	0.034637	0.034886
6152379	6576612	6158283	6500568	6388136	6020426	6327341	6393339	6166285	6037141	6236563	5954037	6438596

9686728	10574876	10762818	11241869	11366929	11288796	11861363	12421894	12611007	12742128	13896916	13555018	14646751
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8167950	9143172	8695978	9312579	9217330	8663044	9253017	9406396	9035781	8914118	9319002	8991184	9571882
171714.8	155668.7	185782	210847.4	216365.8	284593.2	266380.5	260703.3	308495.1	331941.9	319558.7	330952	508962.7
1376247	1432272	1392279	1412658	1418106	1360446	1409064	1426975	1407077	1391977	1435034	1412069	1440411
337.3154	349.6758	341.2449	344.8872	344.8701	333.4426	345.3588	349.7487	344.8717	337.2037	350.3502	346.0953	353.0418
1497768	1503642	1497768	1503642	1509515	1497768	1497768	1497768	1497768	1515389	1503642	1497768	1497768
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564646.4	603207.8	563765.7	597344.4	583805.5	551311.1	578484.8	583556	561098.2	550173.9	566593.2	540355	582263
2387.022	2595.881	2760.2	2656.242	2698.62	2661.209	2787.186	2909.891	2911.705	3090.894	3293.35	3197.309	3350.327
32.73643	33.80598	35.25541	35.46546	36.34423	37.31699	37.67495	38.59894	39.8142	40.5047	41.77605	42.42746	42.87002
19170159	21141481	20832492	22021107	22037394	21404044	22656231	23402683	23209849	23221206	24856231	24152850	25992589
31446644	34919999	35914197	36656159	36611046	35825108	37273435	38828734	40091935	41508246	45388615	46759613	49006007
1031702	1053131	1071097	1095743	1119921	1125203	1149471	1169284	1189248	1221482	1234481	1247705	1269086
12276485	13778518	15081705	14635052	14573652	14421064	14617204	15426051	16882085	18287040	20532384	22606762	23013418
44782846	48934158	50560117	51585033	51575492	50898603	52524054	54450581	56089459	58244911	62628476	64766407	66979440
16239.62	16929.66	16039.74	16800.67	16350.71	16112.4	16876.71	16794.18	16511.82	16285.6	16621.83	16129.29	17549.59
5095177	5856430	5368462	5351088	5063765	4621252	4838435	4899990	4573120	4276368	4840211	4183491	4890864
29.11259	30.39042	31.70622	32.29915	32.32507	32.76268	33.1861	33.76199	34.59344	36.00412	37.08117	37.71159	38.51312
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2617.89	2529.75	2751.57	2680.94	2836.61	2937.86	2901.13	2936.75	3082.6	3216.53	3145.22	3270.82	3129.96
234.9995	241.3312	247.0829	254.012	256.2117	261.6912	274.5773	280.0529	284.8714	296.8357	298.4917	307.5066	317.6486
4.180557	4.239332	4.508123	4.517816	4.740187	5.064668	5.168569	5.347132	5.638757	5.936014	6.024333	6.30526	6.562955
219641.4	214674.7	247757.2	241837.7	267625.5	295344.6	297083	309237.2	339951.6	371607.4	374719.4	402628.7	398892
9226401	10579126	10177815	9614634	9144477	8270600	8653364	8941154	8984784	8490309	9877084	9961602	10015238
8.753981	9.01759	8.061878	8.253012	7.987942	7.582013	7.713456	8.119257	7.294904	7.323533	7.189987	6.599881	7.977035
111001	124689	99611.49	102681.6	92199.48	80058.55	84977.29	82785.55	70961.35	62367.65	66898.17	54194.24	70891.52
44.56683	49.18651	50.47313	52.32129	55.50551	54.23849	53.97229	61.09075	62.39744	65.07813	69.47298	65.98476	74.69448
44.42428	49.08148	50.3596	52.21303	55.43825	54.10529	53.85215	60.97292	62.33546	64.95377	69.39816	65.91161	74.51739
-108640	-89985.8	-148146	-139156	-175426	-215286	-212106	-226452	-268990	-309240	-307821	-348434	-328001
-26.6275	-21.9692	-36.3102	-33.9736	-42.662	-52.7662	-51.9867	-55.5028	-65.929	-74.9127	-75.1517	-85.4006	-80.3923
-6.3E+07	-6.5E+07	-6.6E+07	-7E+07	-7.2E+07	-7.3E+07	-7.6E+07	-7.7E+07	-7.9E+07	-8.2E+07	-8.3E+07	-8.4E+07	-2.8E+07
-60.7742	-61.2929	-61.6824	-63.4256	-64.1323	-64.8455	-65.762	-66.2194	-66.3182	-67.3427	-67.1839	-67.1759	-22.0485
-6.3E+07	-6.5E+07	-6.6E+07	-7E+07	-7.2E+07	-7.3E+07	-7.6E+07	-7.7E+07	-7.9E+07	-8.2E+07	-8.3E+07	-8.4E+07	-2.8E+07
812060.8	838456.4	823340.2	853905	852296	829858.6	852387.9	860046.8	849296.6	849874.7	859761.4	845076.4	870193.9

23306137	24829019	25265328	26752792	27429016	27415869	28753832	29784472	30248222	31002793	32328794	32523347	20585705	
59899691	61534543	63281835	66531724	68898609	70269463	72728167	74530818	76106213	79540913	80132587	81107692	25183754	
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0.016853	0.00666	0.019595	0.011532	0.015396	0.025118	0.00942	0.00666	0.011298	0.017799	0.005378	0.009056		
11317432	11664199	11745043	12074393	12305462	12346409	12762439	13013998	13199509	13480109	13770880	13861596	14408359	
51.64	58.01	56.67	52.34	53.88	51.77	57	56.08	56.53	61.89	60.13	61.62	64.02	
392936.6	414923.8	406278.3	425488	411852.3	424993.9	460523.7	462080.1	466778	480181.7	490951.2	500245	524523.1	
1.07E+08	1.13E+08	1.17E+08	1.21E+08	1.23E+08	1.24E+08	1.28E+08	1.32E+08	1.35E+08	1.4E+08	1.46E+08	1.49E+08	94981646	
71423939	76650894	79118175	82668353	84044106	84153181	87502517	90448099	92704989	97011589	1.01E+08	1.04E+08	94981646	
17854678	19718047	19458797	20554447	20584259	19951840	21114380	21828289	21646788	21656246	23215918	22546201	24218633	
923061.9	963145.4	922951.6	956586.7	944495.5	909917.2	937365.2	942832.4	920257.9	912242.4	926659.6	899270.6	941085.5	
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71423939	76650894	79118175	82668353	84044106	84153181	87502517	90448099	92704989	97011589	1.01E+08	1.04E+08	94981646	
922544.1	1008510	967416.7	1041171	1041283	1027210	1081327	1112313	1096283	1084778	1149362	1106404	1249433	
9617001	9951589	10200269	10500480	10859737	11050236	11388627	11735626	12070176	12529403	12795617	13046655		
358415.4	359937.6	359186	359242.2	360690	358606.1	358880.3	359276.4	359159.7	362068.5	360066.4	358915.6	358822.5	
13336202	14014159	14645920	14928875	14964446	15073495	15250620	15621847	15997524	16736666	17239861	18006794	17973432	
3719201	4062569	4445651	4428394	4104709	4023259	3861992	3886221	3927348	4207262	4444244	4960139	17973432	
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2036-01	2037-01	2038-01	2039-01	2040-01
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50.85158	52.09663	53.38165	54.64116	55.29729
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51.59717	52.85389	54.14612	55.40584	56.05859

26.17836	26.70193	38.616	38.616	38.616
1.64	1.69	1.75	1.799999	1.84
51.297	52.54901	53.83835	55.09798	55.75209
6.53125	6.699612	6.877892	7.042665	7.088832
38.84813	39.78007	41.68072	42.55981	43.01813
38.84813	39.78007	41.68072	42.55981	43.01813
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0.008515	0.011019	0.002986	0.001581	0.001055
0.008307	0.010625	0.002909	0.001555	0.001035
79172.17	47020.21	37440.6	14110.01	18217.26
214.191	131.5844	108.0302	40.09571	47.74814
765.6	979.2	269.2	143.4	95.4
0.029739	0.030286	0.030169	0.029775	0.029726
10637.25	13605	3740.265	1992.4	1325.488
278465.6	363279.8	144434.1	76938.5	51185.03
5.831355	5.383065	3.62484	2.82142	2.82352
16913.22	22176.16	6208.84	3367.155	2279.839
89421.3	89377.88	89735.18	89420.4	89435.03
21.83137	21.82077	21.82276	21.83115	21.83472
92160	92160	92520	92160	92160
22.5	22.5	22.5	22.5	22.5
765.6	979.2	269.2	143.4	95.4
191.1483	174.6033	73.20885	56.84919	51.35906
82.22378	75.44178	50.65017	39.97457	39.8013
296982.5	387380.2	151220.7	80658.17	53721.23
382900	711246.7	210214	113090.6	65249.84
85917.56	323866.5	58993.31	32432.43	11528.61

382900	711246.7	210214	113090.6	65249.84
139.42	129.31	34.27	21.26	18.75
217810.3	340359.9	113780.1	66548.16	35503.97
278220.9	636209.6	159007.1	94174.22	41930.1
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561.3685	860.2891	202.5709	118.3811	63.04521
394.6221	398.0161	570.0062	606.3052	596.3013
67.07962	63.58569	51.2732	36.3678	35.76227
765.6	979.2	269.2	143.4	95.4
0.186914	0.239062	0.065466	0.035009	0.023291
85917.56	323866.5	58993.31	32432.43	11528.61
85917.56	323866.5	58993.31	32432.43	11528.61
204.2315	118.9109	66.62911	25.01893	32.35479
79172.17	47020.21	37440.6	14110.01	18217.26
6.76	6.21	2.39	1.3	1.01
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-364138	-960076	-218000	-126607	-53458.7
1.69	0.49	0.47	0.32	0.32
12975.12	15958.18	4481.585	2268.275	1705.726
0.39	0.36	0.13	0.1	0.08
462.8481	435.7908	160.5162	125.944	102.7696
296982.5	387380.2	151220.7	80658.17	53721.23
296982.5	387380.2	151220.7	80658.17	53721.23
295378.9	385456	150642.9	80305.66	53464.87
765.6	979.2	269.2	143.4	95.4
462.8481	435.7908	160.5162	125.944	102.7696
296982.5	387380.2	151220.7	80658.17	53721.23
1140.744	1488.384	417.26	226.572	153.594
9.324809	8.853859	9.136429	9.230619	9.324809
0.208494	0.208887	0.256446	0.261438	0.259357
0.202145	0.202988	0.248883	0.253349	0.251103
2035308	2028553	2389610	2642413	2809342
5991.332	5877.768	6915.032	7546.654	7961.367
48023.42	48223.52	59357.78	60187.76	59654.16

0.030293	0.030137	0.029859	0.030011	0.030472
452332.6	454217.3	559090.9	566908.5	561882.5
2825303	2619783	2668040	2873378	3003533
5.842436	5.797403	6.004903	5.943621	6.199814
293386.2	308359.2	397551.5	424182.8	429219.1
230389.9	230412.5	231383.5	230457.2	230316.3
56.24754	56.25306	56.2703	56.26396	56.22956
237568	237568	238496	237568	237568
58	58	58	58	58
48023.42	48223.52	59357.78	60187.76	59654.16
349.9081	333.9495	398.9422	411.0705	432.8461
65.42029	64.68353	67.23318	66.897	69.66102
3328128	3134734	3314366	3542151	3679495
6836914	7466150	6811912	6756300	6775578
3508786	4331416	3497546	3214149	3096083
6836914	7466150	6811912	6756300	6775578
1634.88	1673.69	2076.82	2055.51	2068.09
1292820	1106181	924756.1	899738	870152.8
2551461	2771195	1864991	1746423	1560117
40.10427	35.02774	36.50267	36.7554	36.20601
16875.08	15485.53	17150.38	15152.96	14084.66
72.14103	75.71373	75.43402	74.28692	76.78897
70.63527	70.36271	73.14917	72.78025	75.98955
48023.42	48223.52	59357.78	60187.76	59654.16
11.72447	11.77332	14.43526	14.69428	14.564
3508786	4331416	3497546	3214149	3096083
3508786	4331416	3497546	3214149	3096083
31148.34	32737.99	42207.4	45034.8	45569.5
2035308	2028553	2389610	2642413	2809342
79.39	74.72	54.48	58.32	54.79
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69.15	78.56	127.43	136.72	135.2
267006.2	275892	341449.5	354606.4	354534.3
6.2	5.93	7.18	7.43	7.21

3381.48	3298.918	4074.219	4300.41	4256.496
3328128	3134734	3314366	3542151	3679495
3328128	3134734	3314366	3542151	3679495
2825303	2619783	2668040	2873378	3003533
48023.42	48223.52	59357.78	60187.76	59654.16
3381.48	3298.918	4074.219	4300.41	4256.496
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499443.6	511651.5	642251.2	664472.9	671705.8
24.17	19.18	38.96	35.16	29.52
11.02855	11.03497	10.90478	10.89924	10.9148
0.602148	0.601228	0.668792	0.672579	0.665032
0.580669	0.580079	0.644575	0.648444	0.641001
10138006	10517100	11761753	12124377	12391984
32166.01	32699.46	36059.9	36677.77	36984.21
264004.8	263736.4	294205	294819.2	291435.2
0.03584	0.035686	0.036337	0.03625	0.03628
2898117	2895567	3197136	3202187	3168718
4767214	4896229	5150972	5399793	5620659
3.636298	3.712057	3.752671	3.832291	3.911659
5785801	5851941	6504253	6600028	6640365
438365.6	438430	439851.9	438180.3	438176.9
107.0229	107.0386	106.9679	106.9776	106.9768
454656	454656	456432	454656	454656
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264004.8	263736.4	294205	294819.2	291435.2
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42.09495	43.00067	43.12937	43.99616	44.90247
11178811	11385490	12371676	12733800	12998382
19087994	19834566	20073382	20494997	20670103
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19087994	19834566	20073382	20494997	20670103
3949.24	3949.82	3962.63	3947.57	3947.54
942385	768433.3	504903.3	500406.1	499185.3
2268704	1976511	1243496	1032069	981304

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64.4543	64.38877	71.5479	71.97735	71.15118
6394337	6935563	6030563	6087414	6015432
6394337	6935563	6030563	6087414	6015432
240497	244807.2	279825.8	280998.4	278552.2
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2844.34	2873.78	2701.08	2698	2727.59
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98420.4	99957	105019.2	109016.5	107213.3
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12693657	12899003	14042819	14407583	14654671
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35529.27	52124.83
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37607.55	55114.08

37607.55	55114.08			
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176128	176128	176816	176128	176128
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109402.3	108066.1	123496.6	124064.1	123303.9
416.7113	426.9807	428.9035	435.4434	443.3599
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3708035	3739525	4072963	4207639	4317234
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26.70956	26.38331	30.03323	30.2891	30.10348

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3105389	3304462	3124108	3115042	3141994
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65311	67731.06	69464.4	69639.68	73171.28
4369013	4393570	4807097	4944370	5050023
4369013	4393570	4807097	4944370	5050023
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109402.3	108066.1	123496.6	124064.1	123303.9
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47506.53	99441.48
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10148.37	45902.81
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37358.16	53538.67
37358.16	53538.67
89.88	126.42
37358.16	53538.67

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894080.9	914248.9	1162362	1342707	1436570
2540.044	2568.574	3278.15	3729.305	3945.599
31029.9	31389.3	39347.4	39773.7	39311.3
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448920.3	454156.5	568899	574949.7	568092.1
2466783	2423461	2339468	2491654	2628976
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198657.9	198561.6	199276	198611.7	198748.3
48.50046	48.47695	48.46206	48.48918	48.52253
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77.95546	79.18971	75.79672	74.79356	83.58761
2477163	2433955	2352687	2504890	2642354
4772849	5537650	4826473	4665702	4621884
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2551.64	2575.98	3197.15	3252.21	3178.33
1583082	1519706	1190325	1162183	1205785
2961590	3513790	2317012	2119890	2039189
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17723.97	17472.32	18116.12	15899.21	15917.54
103.8643	109.3575	109.106	104.7171	110.3953
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2295686	3103695	2473786	2160811	1979529
2295686	3103695	2473786	2160811	1979529
13305.93	13916.98	21231.28	23874.49	23393.76
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76.47	91.14	176.35	206.37	210.79
367288.5	382204.1	476165.6	494528.5	491750
3.79	3.61	4.4	4.18	4.15
3177.706	3042.413	3900.684	3694.12	3861.6
2477163	2433955	2352687	2504890	2642354
2477163	2433955	2352687	2504890	2642354
2466783	2423461	2339468	2491654	2628976
31029.9	31389.3	39347.4	39773.7	39311.3
3177.706	3042.413	3900.684	3694.12	3861.6
2477163	2433955	2352687	2504890	2642354
7202.511	7451.192	9318.29	9542.094	9517.193
23.62	25.96	87.58	86.57	80.52
3.3	2.85	1.35	1.05	1.05
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26.31223	16.79306	14.72461	4.828617	5.748792
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1780.8	2528.4	640.2	349.8	201.6
46618.42	67513.15	24721.96	13507.88	7784.986
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16384	16384	16448	16384	16384
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49455.59	71621.8	25783.09	14099.28	8132.645
62775.9	132489.2	34585.59	19278.62	9651.858
13320.31	60867.38	8802.493	5179.335	1519.213

62775.9	132489.2	34585.59	19278.62	9651.858
29.68	42.14	10.67	5.83	3.36
39635.01	65639.93	20705.86	12392.53	5943.182
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95.14534	154.4818	34.27541	20.49706	9.821696
510.2324	657.9819	740.7313	724.7508	649.3604
66.33021	98.69728	66.66582	36.23754	38.96162
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13320.31	60867.38	8802.493	5179.335	1519.213
13320.31	60867.38	8802.493	5179.335	1519.213
23.57466	14.07818	8.404586	2.822937	3.618303
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4.04	3.19	2.02	0.64	0.7
9993.497	13730.06	3560.518	1827.739	1196.341
6.42	7.07	1.9	1.06	0.93
49455.59	71621.8	25783.09	14099.28	8132.645
49455.59	71621.8	25783.09	14099.28	8132.645
49455.59	71621.8	25783.09	14099.28	8132.645
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4071842	4124223	4720292	4904786	5030670
13003.5	12849.58	14470.03	14842.86	15021.35
106679.6	105799.8	126064.3	127303.9	125210.3
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240025.6	240025.6	240963.2	240025.6	240025.6
58.6	58.6	58.6	58.6	58.6
106679.6	105799.8	126064.3	127303.9	125210.3
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4470055	4524317	5099869	5288327	5432486
8781060	9141732	9374578	9523383	9667122
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3862.51	3860.61	3873.97	3863.77	3861.07
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88675.93	72517.2	51929.04	13485.63	14636.67
13.22168	10.23137	10.60755	9.674307	10.63551
1035.979	798.1189	353.4885	275.2314	250.0134
30.49995	27.91223	33.17911	36.08243	37.48265
30.45743	27.88521	33.16426	36.07172	37.47693
106679.6	105799.8	126064.3	127303.9	125210.3
26.04484	25.83003	30.65767	31.08005	30.56893
3734240	4045201	3600287	3554493	3564696
3734240	4045201	3600287	3554493	3564696
105643.7	105001.7	125710.8	127028.6	124960.3
4071842	4124223	4720292	4904786	5030670
0.61	0.74	0.48	0.29	0.3
-4311005	-4617414	-4274709	-4235056	-4234636
-4399681	-4689931	-4326638	-4248542	-4249273
181.9	179.07	169.48	165.88	166.9
1100139	1118917	1145724	1159221	1174137
15.3	15.44	15.1	15.02	15.45
360959.3	371547.4	370633	376042.8	394544.5
5046820	5096531	5774291	5968890	6102426

5046820	5096531	5774291	5968890	6102426
4037620	4080826	4642252	4821899	4947790
106679.6	105799.8	126064.3	127303.9	125210.3
360959.3	371547.4	370633	376042.8	394544.5
5046820	5096531	5774291	5968890	6102426
71475.36	71943.86	86984.38	90385.75	90151.44
1.29	1.32	0.65	0.78	0.59
13.95	13.05	13.05	13.95	13.65
0.149403	0.151644	0.190649	0.193323	0.191082
0.145034	0.146953	0.18498	0.187709	0.185368
191296.6	193624.4	258758.5	308699.5	329503.3
537.2131	537.1441	719.8167	845.5022	892.3372
8316.84	8426.88	10648.96	10764.04	10629.78
0.030019	0.029775	0.029915	0.030617	0.030283
124752.6	126403.2	159734.4	161460.6	159446.7
686874.6	671644.8	650534.5	691125.9	730191.7
5.175338	5.044087	4.884934	5.088832	5.278776
43540.24	44874	69975.49	82385.95	80624.45
55622.56	55637.26	55845.16	55589.66	55604.92
13.57973	13.58332	13.58102	13.57169	13.57542
57344	57344	57568	57344	57344
14	14	14	14	14
8316.84	8426.88	10648.96	10764.04	10629.78
344.7975	323.0545	342.2203	352.7921	372.0932
78.17856	76.08753	73.74951	76.66295	79.47733
688754.1	673618.8	652508.5	693099.9	732218.2
1314879	1524436	1332448	1281140	1269108
626125	850817.1	679939.8	588040.3	536889.8
1314879	1524436	1332448	1281140	1269108
1397.69	1406.26	1708.36	1759.68	1700.21
497457.4	479994.5	393750	384400.4	402714.9
926632.6	1105351	769851.9	704591.1	679576.4
12.37555	11.46573	11.44781	12.07378	11.65274
5414.157	5435.28	5983.927	5271.643	5254.817

89.88999	96.37908	98.02969	94.0735	98.72578
79.14643	82.00753	84.25524	86.41187	89.8035
8316.84	8426.88	10648.96	10764.04	10629.78
2.030478	2.057343	2.589727	2.627939	2.595161
626125	850817.1	679939.8	588040.3	536889.8
626125	850817.1	679939.8	588040.3	536889.8
2902.683	2991.6	4665.033	5492.397	5374.963
191296.6	193624.4	258758.5	308699.5	329503.3
68.97	64.69	59.25	59.38	63.71
-626125	-850817	-679940	-588040	-536890
-1552758	-1956168	-1449792	-1292631	-1216466
19	23.74	52.08	54.5	56.4
191808.6	199733.6	252556.7	262736.5	261720.7
1.79	1.88	1.88	1.88	1.93
1879.5	1974	1974	1974	2026.5
688754.1	673618.8	652508.5	693099.9	732218.2
688754.1	673618.8	652508.5	693099.9	732218.2
686874.6	671644.8	650534.5	691125.9	730191.7
8316.84	8426.88	10648.96	10764.04	10629.78
1879.5	1974	1974	1974	2026.5
688754.1	673618.8	652508.5	693099.9	732218.2
16.22	18.09	43.5	39.72	35.22
11.14473	11.16116	11.01804	11.01168	11.02775
0.392984	0.39191	0.45774	0.461975	0.456795
0.378096	0.377115	0.440067	0.444253	0.439232
21076158	21511203	24338707	25476620	26262531
66199.87	66215.03	73911.8	76280.18	77595.4
568521.6	567046.3	653431.9	657079.5	649653.5
0.034448	0.034679	0.035687	0.035638	0.035634
6307225	6296334	7184011	7219335	7143288
15042136	15112943	15232983	16033937	16744513
3.753869	3.827749	3.800199	3.883075	3.977937
9447761	9525820	10735741	10905136	10960037
527088.2	552102.6	771098.2	848286.4	844628.9

1446536	1446382	1427498	1422374	1422277
353.1581	353.1205	347.1542	347.2594	347.2357
1503642	1503642	1484843	1479066	1479066
367.1	367.1	361.1	361.1	361.1
568521.6	567046.3	653431.9	657079.5	649653.5
3695.881	3543.379	3089.724	3115.974	3213.087
43.87281	44.8261	44.13528	45.0378	46.15076
26272350	26459295	28041073	29064664	29864024
48809243	52247304	50594798	50913304	51270713
22536893	25788009	22553725	21848640	21406689
48809243	52247304	50594798	50913304	51270713
17532.02	17630.57	18780.69	18808.36	18680.71
4671502	4408856	3157249	3033346	3026564
9203616	10386473	6434347	5727961	5323780
14.25301	12.53218	14.68662	14.8081	14.88953
65421.91	59418.4	56224.23	50566.82	48463.27
79.7219	82.71047	77.91112	74.83423	77.34124
79.41594	82.49794	77.86745	74.78314	77.31042
568521.6	567046.3	653431.9	657079.5	649653.5
138.7992	138.439	158.9085	160.4198	158.6068
19784305	23048238	19474026	18757562	18347671
19784305	23048238	19474026	18757562	18347671
503099.7	507627.9	597207.7	606512.7	601190.2
21076158	21511203	24338707	25476620	26262531
630.58	601.64	528.08	490.03	495.51
-2.3E+07	-2.6E+07	-2.3E+07	-2.2E+07	-2.1E+07
-3.2E+07	-3.6E+07	-2.9E+07	-2.8E+07	-2.7E+07
3226.06	3279.15	3276.92	3301.16	3328.04
4365339	4476397	4713945	4793702	4838621
68.81	70.6	53.03	52.06	52.17
533592.2	547986.6	555226	564793.4	585176.4
29024938	29199066	31120772	32155742	32923042
29024938	29199066	31120772	32155742	32923042
24489897	24638763	25968724	26939073	27704550

568521.6	567046.3	653431.9	657079.5	649653.5
533592.2	547986.6	555226	564793.4	585176.4
29024938	29199066	31120772	32155742	32923042
1248861	1272545	1517123	1560798	1574298
235.95	212.37	304.49	302.67	269.64

68167057	71031533	74266860	76814805	78885711
10136831	10019837	14873653	16097874	17131900
30569.86	29502.14	43283.8	46346.59	48519.58
-1292893	-1317671	-1345300	-1359849	-1379390
1292893	1317671	1345300	1359849	1379390
10136831	10019837	14873653	16097874	17131900
3222.11	3274.91	3270.88	3294.19	3323.08
321.6718	330.1854	355.937	359.0127	369.6284
130.1159	132.7766	138.1084	138.9495	144.9974
429855.3	445291	463631.6	469446.1	493883.9
-1292893	-1317671	-1345300	-1359849	-1379390
-315.648	-321.697	-327.164	-331.994	-336.765
-6.8E+07	-7.1E+07	-7.4E+07	-7.7E+07	-7.9E+07
-52.6472	-53.9794	-55.2232	-56.527	-57.1532
-6.8E+07	-7.1E+07	-7.4E+07	-7.7E+07	-7.9E+07
68167057	71031533	74266860	76814805	78885711
78303888	81051369	89140513	92912679	96017612
1292893	1317671	1345300	1359849	1379390
68167057	71031533	74266860	76814805	78885711
68167057	71031533	74266860	76814805	78885711
68167057	71031533	74266860	76814805	78885711

68167057	71031533	74266860	76814805	78885711
10136831	10019837	14873653	16097874	17131900
30569.86	29502.14	43283.8	46346.59	48519.58
-1292893	-1317671	-1345300	-1359849	-1379390
1292893	1317671	1345300	1359849	1379390
10136831	10019837	14873653	16097874	17131900

3222.11	3274.91	3270.88	3294.19	3323.08
321.6718	330.1854	355.937	359.0127	369.6284
130.1159	132.7766	138.1084	138.9495	144.9974
429855.3	445291	463631.6	469446.1	493883.9
-1292893	-1317671	-1345300	-1359849	-1379390
-315.648	-321.697	-327.164	-331.994	-336.765
-6.8E+07	-7.1E+07	-7.4E+07	-7.7E+07	-7.9E+07
-52.6472	-53.9794	-55.2232	-56.527	-57.1532
-6.8E+07	-7.1E+07	-7.4E+07	-7.7E+07	-7.9E+07
68167057	71031533	74266860	76814805	78885711
78303888	81051369	89140513	92912679	96017612
1292893	1317671	1345300	1359849	1379390
68167057	71031533	74266860	76814805	78885711
68167057	71031533	74266860	76814805	78885711
68167057	71031533	74266860	76814805	78885711

44262.24	44337.98	44409.97	44284.43	44293.37
2242779	2298617	2348859	2412971	2436515

33.86463	30.7373	34.77486	35.6617	31.41222
12.19127	9.528561	10.43246	8.202191	8.167176
44262.24	44337.98	44409.97	44284.43	44293.37
10.80621	10.8247	10.80009	10.81163	10.81381
2242779	2298617	2348859	2412971	2436515
2242779	2298617	2348859	2412971	2436515
44262.24	44337.98	44409.97	44284.43	44293.37
-2242779	-2298617	-2348859	-2412971	-2436515
-2242779	-2298617	-2348859	-2412971	-2436515
3.4	2.78	2.49	2.12	2.7
1272997	1291269	1319300	1342900	1355042
44262.24	44337.98	44409.97	44284.43	44293.37
44262.24	44337.98	44409.97	44284.43	44293.37

2242779	2298617	2348859	2412971	2436515
2242779	2298617	2348859	2412971	2436515
75291.95	75349.42	39571.51	39519.81	39675.86
3853864	3957178	2109462	2135900	2194353
75291.95	75349.42	39571.51	39519.81	39675.86
18.38182	18.39585	9.623422	9.64839	9.68649
3853864	3957178	2109462	2135900	2194353
3853864	3957178	2109462	2135900	2194353
75291.95	75349.42	39571.51	39519.81	39675.86
-3853864	-3957178	-2109462	-2135900	-2194353
-3853864	-3957178	-2109462	-2135900	-2194353
1292893	1317671	1328229	1342620	1361412
75291.95	75349.42	39571.51	39519.81	39675.86
75291.95	75349.42	39571.51	39519.81	39675.86
3853864	3957178	2109462	2135900	2194353
3853864	3957178	2109462	2135900	2194353
84593.76	84655.34	39571.51	39519.81	39675.86
4330233	4446260	2109462	2135900	2194353
9.85167	38.80493	46.16751		7.374228
0.098516	0.776098	0.461675		0.073742
84593.76	84655.34	39571.51	39519.81	39675.86
20.65277	20.66781	9.623422	9.64839	9.68649
4330233	4446260	2109462	2135900	2194353

4330233	4446260	2109462	2135900	2194353
84593.76	84655.34	39571.51	39519.81	39675.86
-4330233	-4446260	-2109462	-2135900	-2194353
-4330233	-4446260	-2109462	-2135900	-2194353
0.01	0.06	0.01		0.04
1292893	1317671	1328229	1342620	1361412
84593.76	84655.34	39571.51	39519.81	39675.86
84593.76	84655.34	39571.51	39519.81	39675.86
4330233	4446260	2109462	2135900	2194353
4330233	4446260	2109462	2135900	2194353
43300.49	43375.62	43427.57	43317.97	43317.86
2184854	2243646	2294506	2355113	2377327
		40.41405	44.92389	32.13056
		0.40414	0.449238	0.642611
43300.49	43375.62	43427.57	43317.97	43317.86
10.57141	10.58975	10.56118	10.57568	10.57565
2184854	2243646	2294506	2355113	2377327
2184854	2243646	2294506	2355113	2377327
43300.49	43375.62	43427.57	43317.97	43317.86
-2184854	-2243646	-2294506	-2355113	-2377327
-2184854	-2243646	-2294506	-2355113	-2377327
		0.01	0.02	0.06
1269208	1291848	1314334	1350926	1353308
43300.49	43375.62	43427.57	43317.97	43317.86
43300.49	43375.62	43427.57	43317.97	43317.86
2184854	2243646	2294506	2355113	2377327
2184854	2243646	2294506	2355113	2377327

43584.37	43657.85	43751.18	43561.87	43613.61
2203415	2249713	2308243	2375380	2399631
				8.251536
				0.082515
43584.37	43657.85	43751.18	43561.87	43613.61
10.64071	10.65865	10.63988	10.63522	10.64785
2203415	2249713	2308243	2375380	2399631
2203415	2249713	2308243	2375380	2399631
43584.37	43657.85	43751.18	43561.87	43613.61
-2203415	-2249713	-2308243	-2375380	-2399631
-2203415	-2249713	-2308243	-2375380	-2399631
				0.01
1266544	1295191	1316011	1340090	1356723
43584.37	43657.85	43751.18	43561.87	43613.61
43584.37	43657.85	43751.18	43561.87	43613.61
2203415	2249713	2308243	2375380	2399631
2203415	2249713	2308243	2375380	2399631

34290.53	34346.2	34157.62	34166.27	34063.83
1778414	1819690	1852021	1878077	1909124
34290.53	34346.2	34157.62	34166.27	34063.83
8.371712	8.385302	8.306813	8.341375	8.316365
1778414	1819690	1852021	1878077	1909124
1778414	1819690	1852021	1878077	1909124
34290.53	34346.2	34157.62	34166.27	34063.83
-1778414	-1819690	-1852021	-1878077	-1909124
-1778414	-1819690	-1852021	-1878077	-1909124
1278949	1301394	1284111	1298695	1315783
34290.53	34346.2	34157.62	34166.27	34063.83

34290.53	34346.2	34157.62	34166.27	34063.83
1778414	1819690	1852021	1878077	1909124
1778414	1819690	1852021	1878077	1909124

34615.05	39029.44	39571.51	39519.81	39675.86
1732258	2035045	2101997	2128443	2186900
34615.05	39029.44	39571.51	39519.81	39675.86
8.450939	9.528671	9.623422	9.64839	9.68649
1732258	2035045	2101997	2128443	2186900
1732258	2035045	2101997	2128443	2186900
34615.05	39029.44	39571.51	39519.81	39675.86
-1732258	-2035045	-2101997	-2128443	-2186900
-1732258	-2035045	-2101997	-2128443	-2186900
1279319	1299278	1328229	1342620	1361412

34615.05	39029.44	39571.51	39519.81	39675.86

34615.05	39029.44	39571.51	39519.81	39675.86
1732258	2035045	2101997	2128443	2186900
1732258	2035045	2101997	2128443	2186900

359938.4	364751.9	284460.9	283890	284316.3
18325818	19050149	15124550	15421783	15698203

33.79852	30.90182	34.86784	35.90145	31.39316
12.16747	9.579564	10.46035	8.257333	8.162222
359938.4	364751.9	284460.9	283890	284316.3
87.87559	89.05074	69.17823	69.30907	69.41315
18325818	19050149	15124550	15421783	15698203
18325818	19050149	15124550	15421783	15698203
359938.4	364751.9	284460.9	283890	284316.3
-1.8E+07	-1.9E+07	-1.5E+07	-1.5E+07	-1.6E+07
-1.8E+07	-1.9E+07	-1.5E+07	-1.5E+07	-1.6E+07
3.41	2.84	2.51	2.14	2.81
8952804	9114322	9218443	9360472	9465093
359938.4	364751.9	284460.9	283890	284316.3
359938.4	364751.9	284460.9	283890	284316.3
18325818	19050149	15124550	15421783	15698203
18325818	19050149	15124550	15421783	15698203
11.14473	11.16116	11.01804	11.01168	11.02775
0.392984	0.39191	0.45774	0.461975	0.456795
0.378096	0.377115	0.440067	0.444253	0.439232
68167057	71031533	74266860	76814805	78885711
31212988	31531040	39212360	41574494	43394431
96769.73	95717.17	117195.6	122626.8	126115
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0.034448	0.034679	0.035687	0.035638	0.035634
6307225	6296334	7184011	7219335	7143288

15042136	15112943	15232983	16033937	16744513
3.753869	3.827749	3.800199	3.883075	3.977937
9447761	9525820	10735741	10905136	10960037
527088.2	552102.6	771098.2	848286.4	844628.9
1446536	1446382	1427498	1422374	1422277
353.1581	353.1205	347.1542	347.2594	347.2357
1503642	1503642	1484843	1479066	1479066
367.1	367.1	361.1	361.1	361.1
568521.6	567046.3	653431.9	657079.5	649653.5
3695.881	3543.379	3089.724	3115.974	3213.087
43.87281	44.8261	44.13528	45.0378	46.15076
26272350	26459295	28041073	29064664	29864024
48809243	52247304	50594798	50913304	51270713
1292893	1317671	1345300	1359849	1379390
22536893	25788009	22553725	21848640	21406689
67135061	71297453	65719348	66335087	66968916
17532.02	17630.57	18780.69	18808.36	18680.71
4671502	4408856	3157249	3033346	3026564
38.84813	39.78007	41.68072	42.55981	43.01813
10136831	10019837	14873653	16097874	17131900
3222.11	3274.91	3270.88	3294.19	3323.08
321.6718	330.1854	355.937	359.0127	369.6284
6.848205	6.98824	8.124022	8.173497	8.529258
429855.3	445291	463631.6	469446.1	493883.9
9203616	10386473	6434347	5727961	5323780
8.25174	7.255475	7.77527	7.839579	7.882692
65421.91	59418.4	56224.23	50566.82	48463.27
78.1225	80.66566	76.52197	73.36806	75.57221
77.81893	80.45531	76.48105	73.31957	75.54287
-364433	-385873	-407407	-418879	-445421
-88.973	-94.2072	-99.0777	-102.265	-108.745
-3E+07	-2.9E+07	-4E+07	-4.3E+07	-4.5E+07
-23.2445	-21.9495	-29.4821	-31.3649	-32.5002
-3E+07	-2.9E+07	-4E+07	-4.3E+07	-4.5E+07
863038.1	872379.7	881668.6	890402.6	885506.5

21076158	21511203	24338707	25476620	26262531
27304347	26193374	36588585	39544382	41780820
28237561	25826738	45027890	49914296	53588940
14611036	14908390	15277688	15514023	15683105
68.81	70.6	53.03	52.06	52.17
533592.2	547986.6	555226	564793.4	585176.4
97191996	1E+08	1.05E+08	1.09E+08	1.12E+08
97191996	1E+08	1.05E+08	1.09E+08	1.12E+08
24489897	24638763	25968724	26939073	27704550
928460	931798.1	937892.8	940969.4	933969.8
533592.2	547986.6	555226	564793.4	585176.4
97191996	1E+08	1.05E+08	1.09E+08	1.12E+08
1248861	1272545	1517123	1560798	1574298
359938.4	364751.9	284460.9	283890	284316.3
18325818	19050149	15124550	15421783	15698203
18325818	19050149	15124550	15421783	15698203

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl - SD_IRP_MainPortfolio With County Wind Projects
Date Intervals	Annual
Stats	MEAN
Peak Period Label	Off Peak Wrap

Value	Column Labels					
Row Labels	2017-01	2018-01	2019-01	2020-01	2021-01	2022-01
Fixed Cost						
FIXEDCOST - Fixed Cost	36730851	37465468	38214755	38805869	39486802	40415183
NETREVENUE - Net Revenue $	-3.7E+07	-3.7E+07	-3.8E+07	-3.9E+07	-3.9E+07	-4E+07
NETREVENUEUNHEDGED - Net Revenue without hedges	-3.7E+07	-3.7E+07	-3.8E+07	-3.9E+07	-3.9E+07	-4E+07
NWECOSTS - NWE Costs	36730851	37465468	38214755	38805869	39486802	40415183
NWECOSTSMPS - NWE Costs w/ MPS	36730851	37465468	38214755	38805869	39486802	40415183
TOTALCOSTOFSUPPLY - Total Cost of Supply	36730851	37465468	38214755	38805869	39486802	40415183
Forward Curve						
N/A						
Aberdeen						
MARKETPRICE - Market Price $/Unit	18.09863	18.33675	20.01753	21.80801	22.90739	23.68792
Basis\CO2 SD Triangular						
MARKETPRICE - Market Price $/Unit	0	0	0	0	21.11001	21.53218
Beethoven						
MARKETPRICE - Market Price $/Unit	17.96863	18.20675	19.89146	21.68614	22.78182	23.56047
Big Stone						
MARKETPRICE - Market Price $/Unit	18.06863	18.30675	19.98844	21.77989	22.87841	23.65851
Coyote						
MARKETPRICE - Market Price $/Unit	17.31863	17.55675	19.26113	21.07677	22.15398	22.92319
Huron						
MARKETPRICE - Market Price $/Unit	17.60863	17.84675	19.54236	21.34864	22.43409	23.20751
Load						
MARKETPRICE - Market Price $/Unit	18.04863	18.28675	19.96904	21.76114	22.85909	23.6389
Neal						
MARKETPRICE - Market Price $/Unit	18.08863	18.32675	20.00783	21.79864	22.89773	23.67812
Oil2 - SD						

MARKETPRICE - Market Price $/Unit	17.96963	18.32902	18.6956	19.06952	19.45091	19.83992
PRB - SD 8400						
MARKETPRICE - Market Price $/Unit	0.889999	0.969999	0.989999	1.009999	1.03	1.06
SPP - IND HUB						
MARKETPRICE - Market Price $/Unit	17.77863	18.01675	19.70721	21.50801	22.5983	23.37419
VENTURA - AECO						
MARKETPRICE - Market Price $/Unit	3.108899	3.45205	3.774388	4.112144	4.309923	4.46795
N/A - Total						
MARKETPRICE - Market Price $/Unit	13.74563	13.96959	15.15375	16.41324	18.95097	19.5524
Forward Curve - Total						
Forward Curve - Total - Total						
MARKETPRICE - Market Price $/Unit	13.74563	13.96959	15.15375	16.41324	18.95097	19.5524
Generation Asset						
Aberdeen						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)						
CAPACITYFACTOR - Net Generation Capacity Factor						
CAPACITYFACTORNOOUTS - Capacity Factor, %						
COSTTOSERVELOAD - Cost to Serve Load						
COSTTOSERVELOADPMW - Cost to Serve Load PMW						
EXPORTGENERATION - Export generation						
FO - Forced Outage Rate	0.03017	0.029451	0.030289	0.029847	0.030039	0.029627
FUELCONSUMED - Fuel Consumed						
FUELCOST - Fuel Cost						
FUELCOSTPMMBTU - Cost, $/mmBtu						
FUELDELIVERYCOST - Fuel Delivery Cost						
GENCAPACITY - Net Thermal Generation Capacity MWh	102122.8	102199.7	102114.7	101985.5	101431.1	101826.7
GENCAPACITYMW - Net Thermal Generation Capacity	21.82111	21.83755	21.81938	21.82909	21.82253	21.83248
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	105300	105300	105300	105120	104580	104940
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5	22.5	22.5	22.5	22.5
GENERATION - Thermal Generation MWh						
GENERATIONCOSTPMW - Generation Cost						
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder						
GENERATIONCOSTS - Thermal Generation Costs						
GENERATIONGROSSREVENUE - Gross Generation Revenue						
GENERATIONNETREVENUE - Net Revenue Generation						

GROSSREVENUE - Gross Revenue, $						
HOURSRUN - Runtime Hours	3.12	24.62	32.82	40.52	36.59	
MARKETGENERATIONCOST - Market Sales Generation Costs						
MARKETSALES - Spot Sales $						
MARKETSALESMW - Spot Sales						
MARKETSALESMWH - Spot Sales MWh						
MCP - MCP						
MCPMINSPOTPRICE - MCP min spot price						
NETPOS - Net Position (MWh)						
NETPOSMW - Net position per MW						
NETREVENUE - Net Revenue $						
NETREVENUEUNHEDGED - Net Revenue without hedges						
NLGENERATION - Native Load Generation MWh						
NLGENERATIONCOST - Native Load Generation Costs						
NonZeroMCPHour - Market sales hours greater than colstrip price						
NWECOSTS - NWE Costs						
NWECOSTSMPS - NWE Costs w/ MPS						
OTHERMCPHOUR - Other MCP Hours						
PORTFOLIOLOADNATIVE - Portfolio Load						
STARTS - Number Starts						
STARTUPCOST - StartupCost						
TOTALCOSTOFSUPPLY - Total Cost of Supply						
TOTALCOSTS - Total Cost						
TOTALFUELCOST - Total Fuel Cost						
TOTALGEN - All Generation						
TOTALSTARTUPCOST - TotalStartupCost						
TOTALVARIABLECOST - Variable Costs $						
VOMCOSTS - VOM Costs						
Aberdeen GS2						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	9.418999	9.230619	9.418999	9.230619	9.418999	9.230619
CAPACITYFACTOR - Net Generation Capacity Factor	0.018733	0.020662	0.027853	0.030126	0.031039	0.0298
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.018151	0.020085	0.027029	0.029242	0.030103	0.028915
COSTTOSERVELOAD - Cost to Serve Load	23313.94	23088.31	33229.37	41269.16	50371.99	59223.08
COSTTOSERVELOADPMW - Cost to Serve Load PMW	96.10964	96.28553	137.5157	163.4808	203.006	229.5599
EXPORTGENERATION - Export generation	4927.1	5452	7337	7923.96	8115.36	7821.88

FO - Forced Outage Rate	0.030642	0.029809	0.029263	0.030044	0.03022	0.029883
FUELCONSUMED - Fuel Consumed	46408.35	51352.39	69107.2	74635.78	76438.58	73674.29
FUELCOST - Fuel Cost	134202	161029	242465.7	287526.9	307682.1	302814
FUELCOSTPMMBTU - Cost, $/mmBtu	2.869314	3.102673	3.473036	3.738267	3.958053	4.013098
GASNLFUELCONSUMED - Native Load Gas Used	6404.198	5948.76	7770.015	8886.139	10400.98	11927.68
GENCAPACITY - Net Thermal Generation Capacity MWh	263159.3	263369.9	263507.3	262851.9	261437.9	262451.7
GENCAPACITYMW - Net Thermal Generation Capacity	56.23063	56.27562	56.30499	56.26112	56.2474	56.27181
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	271440	271440	271440	270976	269584	270512
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58	58	58	58	58
GENERATION - Thermal Generation MWh	4927.1	5452	7337	7923.96	8115.36	7821.88
GENERATIONCOSTPMW - Generation Cost	208.2547	205.0874	233.7934	240.9436	252.9868	262.2557
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	34.35675	36.55565	40.35627	42.88488	45.22111	45.75793
GENERATIONCOSTS - Thermal Generation Costs	170111.6	201529.1	298035.2	348683.1	371662	365636.7
GENERATIONGROSSREVENUE - Gross Generation Revenue	198218.6	233516	353763.9	414060.4	443851.1	432219
GENERATIONNETREVENUE - Net Revenue Generation	28107.06	31986.92	55728.72	65377.33	72189.11	66582.29
GROSSREVENUE - Gross Revenue, $	198218.6	233516	353763.9	414060.4	443851.1	432219
HOURSRUN - Runtime Hours	2642.23	2333.32	2148.85	2111.14	2061.98	2159.93
MARKETGENERATIONCOST - Market Sales Generation Costs	146797.6	178440.8	264805.8	307413.9	321290	306413.6
MARKETSALES - Spot Sales $	170269.6	206346.7	313211.2	364317.1	382518	361991.5
MARKETSALESMW - Spot Sales	53.07265	53.01101	53.97685	53.11254	53.49864	50.50472
MARKETSALESMWH - Spot Sales MWh	4247.177	4820.43	6512.07	6980.533	7011.104	6555.537
MCP - MCP	34.71176	38.09342	41.1138	45.19356	46.74562	48.11682
MCPMINSPOTPRICE - MCP min spot price	33.57477	36.92238	39.81514	42.87488	45.73351	46.59564
NETPOS - Net Position (MWh)	4927.1	5452	7337	7923.96	8115.36	7821.88
NETPOSMW - Net position per MW	1.052799	1.164957	1.567735	1.696053	1.745989	1.677075
NETREVENUE - Net Revenue $	28107.06	31986.92	55728.72	65377.33	72189.11	66582.29
NETREVENUEUNHEDGED - Net Revenue without hedges	28107.06	31986.92	55728.72	65377.33	72189.11	66582.29
NLGENERATION - Native Load Generation MWh	679.9234	631.5702	824.9299	943.427	1104.256	1266.343
NLGENERATIONCOST - Native Load Generation Costs	23313.94	23088.31	33229.37	41269.16	50371.99	59223.08
NonZeroMCPHour - Market sales hours greater than colstrip price	52.63	61.34	81.32	89.06	89.66	87.69
NWECOSTS - NWE Costs	-28107.1	-31986.9	-55728.7	-65377.3	-72189.1	-66582.3
NWECOSTSMPS - NWE Costs w/ MPS	-198377	-238334	-368940	-429694	-454707	-428574
OTHERMCPHOUR - Other MCP Hours	2.72	2.98	3.38	5.12	6.23	6.14
PORTFOLIOLOADNATIVE - Portfolio Load	18886.3	21519.68	29042.63	31920.61	33274.32	32888.34
STARTS - Number Starts	1.95	2.12	2.71	2.75	3.08	2.87

STARTUPCOST - StartupCost	730.041	809.5644	1055.572	1092.575	1248.139	1186.315
TOTALCOSTOFSUPPLY - Total Cost of Supply	170111.6	201529.1	298035.2	348683.1	371662	365636.7
TOTALCOSTS - Total Cost	170111.6	201529.1	298035.2	348683.1	371662	365636.7
TOTALFUELCOST - Total Fuel Cost	134202	161029	242465.7	287526.9	307682.1	302814
TOTALGEN - All Generation	4927.1	5452	7337	7923.96	8115.36	7821.88
TOTALSTARTUPCOST - TotalStartupCost	730.041	809.5644	1055.572	1092.575	1248.139	1186.315
TOTALVARIABLECOST - Variable Costs $	170111.6	201529.1	298035.2	348683.1	371662	365636.7
VOMCOSTS - VOM Costs	35179.49	39690.56	54513.91	60063.62	62731.73	61636.41
zeroMCPHour - Market sales hours less than colstrip price						1.1
Big Stone						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.20665	11.21361	11.13772	11.11209	11.08388	11.07923
CAPACITYFACTOR - Net Generation Capacity Factor	0.500113	0.497077	0.529921	0.541625	0.5541	0.555152
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.482281	0.460591	0.462037	0.522059	0.511141	0.512249
COSTTOSERVELOAD - Cost to Serve Load	4536503	4594900	4751579	5263751	5353206	6041124
COSTTOSERVELOADPMW - Cost to Serve Load PMW	23047.6	22708.47	22863.77	25100.8	24817.82	27621.63
EXPORTGENERATION - Export generation	250535.5	239267.8	240019.4	270736.1	263712.4	265193.4
FO - Forced Outage Rate	0.035752	0.035436	0.036384	0.036163	0.035574	0.03579
FUELCONSUMED - Fuel Consumed	2806646	2681909	2670261	3005399	2919491	2935228
FUELCOST - Fuel Cost	2503180	2606445	2647377	3042112	3016106	3118485
FUELCOSTPMMBTU - Cost, $/mmBtu	2.3271	2.400674	2.476121	2.54718	2.619312	2.704995
FUELDELIVERYCOST - Fuel Delivery Cost	4032309	3834325	3968008	4618396	4637611	4828157
GENCAPACITY - Net Thermal Generation Capacity MWh	500936.3	481358.2	452835.6	499844.1	475970.2	477675.2
GENCAPACITYMW - Net Thermal Generation Capacity	107.0377	102.8543	96.75974	106.9872	102.4032	102.4175
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	519480	519480	519480	518592	515928	517704
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111	111	111	111	111
GENERATION - Thermal Generation MWh	250535.5	239267.8	240019.4	270736.1	263712.4	265193.4
GENERATIONCOSTPMW - Generation Cost	334.3916	346.0842	324.2996	362.7252	372.6303	384.6479
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	27.44675	28.31875	29.0065	29.76238	30.5086	31.47617
GENERATIONCOSTS - Thermal Generation Costs	6956532	6859376	7041963	8139726	8133537	8437214
GENERATIONGROSSREVENUE - Gross Generation Revenue	5280158	5171321	5818440	7037382	7271113	7525709
GENERATIONNETREVENUE - Net Revenue Generation	-1676373	-1688055	-1223522	-1102344	-862425	-911505
GROSSREVENUE - Gross Revenue, $	5280158	5171321	5818440	7037382	7271113	7525709
HOURSRUN - Runtime Hours	4512.94	4336.56	4079.6	4503.1	4288.02	4303.38
MARKETGENERATIONCOST - Market Sales Generation Costs	2342219	2180844	2207033	2792033	2690806	2305960
MARKETSALES - Spot Sales $	2213000	2142507	2420670	3061357	3067327	2667584

MARKETSALESMW - Spot Sales	43.13974	44.82788	49.25246	49.17558	50.86898	49.16496
MARKETSALESMWH - Spot Sales MWh	87082.99	78959.39	78363.02	96128.71	90483.1	75384.73
MCP - MCP	19.73828	19.71454	20.14687	21.58555	22.29139	22.66481
MCPMINSPOTPRICE - MCP min spot price	16.65827	16.90748	18.02271	19.23783	20.2946	21.13792
NETPOS - Net Position (MWh)	250535.5	239267.8	240019.4	270736.1	263712.4	265193.4
NETPOSMW - Net position per MW	53.53323	51.1256	51.28619	57.94865	56.73676	56.85964
NETREVENUE - Net Revenue $	-3143407	-3089889	-2619268	-2673266	-2388443	-2445749
NETREVENUEUNHEDGED - Net Revenue without hedges	-3143407	-3089889	-2619268	-2673266	-2388443	-2445749
NLGENERATION - Native Load Generation MWh	163452.5	160308.4	161656.4	174607.4	173229.3	189808.6
NLGENERATIONCOST - Native Load Generation Costs	4536503	4594900	4751579	5263751	5353206	6041124
NonZeroMCPHour - Market sales hours greater than colstrip price	1537.64	1347.52	1220.79	1581.74	1432.91	383.2
NWECOSTS - NWE Costs	1676373	1688055	1223522	1102344	862424.7	911505
NWECOSTSMPS - NWE Costs w/ MPS	-536627	-454451	-1197147	-1959014	-2204902	-1756079
OTHERMCPHOUR - Other MCP Hours	2362.66	2449.73	2380.36	2433.82	2394.74	2634.65
PO - Planned Outage Rate		0.03912	0.09832		0.039338	0.040862
PORTFOLIOLOADNATIVE - Portfolio Load	855272.4	843186.9	816399.9	904396.2	884310.2	906085.9
STARTS - Number Starts	10.78	11.36	11.1	10.96	11.46	11.31
STARTUPCOST - StartupCost	77810.04	83632.32	83349.9	83942.64	89525.52	90129.39
TOTALCOSTOFSUPPLY - Total Cost of Supply	8423566	8261210	8437708	9710648	9659555	9971457
TOTALCOSTS - Total Cost	8423566	8261210	8437708	9710648	9659555	9971457
TOTALFUELCOST - Total Fuel Cost	6535488	6440769	6615385	7660509	7653717	7946642
TOTALGEN - All Generation	250535.5	239267.8	240019.4	270736.1	263712.4	265193.4
TOTALSTARTUPCOST - TotalStartupCost	77810.04	83632.32	83349.9	83942.64	89525.52	90129.39
TOTALVARIABLECOST - Variable Costs $	8423566	8261210	8437708	9710648	9659555	9971457
VOMCOSTS - VOM Costs	343233.6	334975	343227.7	395274.7	390294.4	400442
zeroMCPHour - Market sales hours less than colstrip price	402.86	320.27	235.16	229.3	197.84	1022.24
Clark						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)						
CAPACITYFACTOR - Net Generation Capacity Factor						
CAPACITYFACTORNOOUTS - Capacity Factor, %						
COSTTOSERVELOAD - Cost to Serve Load						
COSTTOSERVELOADPMW - Cost to Serve Load PMW						
EXPORTGENERATION - Export generation						
FO - Forced Outage Rate	0.029761	0.030266	0.030102	0.030547	0.029798	0.029698
FUELCONSUMED - Fuel Consumed						

FUELCOST - Fuel Cost						
FUELCOSTPMMBTU - Cost, $/mmBtu						
FUELDELIVERYCOST - Fuel Delivery Cost						
GENCAPACITY - Net Thermal Generation Capacity MWh	13621.29	13615.11	13616.43	13587.96	13528.38	13575.87
GENCAPACITYMW - Net Thermal Generation Capacity	2.910532	2.909211	2.909493	2.908381	2.91058	2.910778
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	14040	14040	14040	14016	13944	13992
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3	3	3
GENERATION - Thermal Generation MWh						
GENERATIONCOSTPMW - Generation Cost						
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder						
GENERATIONCOSTS - Thermal Generation Costs						
GENERATIONGROSSREVENUE - Gross Generation Revenue						
GENERATIONNETREVENUE - Net Revenue Generation						
GROSSREVENUE - Gross Revenue, $						
HOURSRUN - Runtime Hours						
MARKETGENERATIONCOST - Market Sales Generation Costs						
MARKETSALES - Spot Sales $						
MARKETSALESMW - Spot Sales						
MARKETSALESMWH - Spot Sales MWh						
MCP - MCP						
MCPMINSPOTPRICE - MCP min spot price						
NETPOS - Net Position (MWh)						
NETPOSMW - Net position per MW						
NETREVENUE - Net Revenue $						
NETREVENUEUNHEDGED - Net Revenue without hedges						
NLGENERATION - Native Load Generation MWh						
NLGENERATIONCOST - Native Load Generation Costs						
NWECOSTS - NWE Costs						
NWECOSTSMPS - NWE Costs w/ MPS						
PORTFOLIOLOADNATIVE - Portfolio Load						
STARTS - Number Starts						
TOTALCOSTOFSUPPLY - Total Cost of Supply						
TOTALCOSTS - Total Cost						
TOTALFUELCOST - Total Fuel Cost						
TOTALGEN - All Generation						

TOTALVARIABLECOST - Variable Costs $						
Coyote						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.763	11.68512	11.75716	11.52743	11.56596	11.52837
CAPACITYFACTOR - Net Generation Capacity Factor	0.579279	0.605046	0.585982	0.665441	0.65094	0.667478
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.521468	0.540263	0.474802	0.605062	0.587704	0.538711
COSTTOSERVELOAD - Cost to Serve Load	2174185	2352922	2239333	2714065	2872263	2702700
COSTTOSERVELOADPMW - Cost to Serve Load PMW	10987.88	11764.55	10699.69	13116.6	13596.04	12347.94
EXPORTGENERATION - Export generation	104940.3	108722.7	95549.31	121554.7	117461	108039.7
FO - Forced Outage Rate	0.046116	0.046763	0.047086	0.046716	0.046377	0.045634
FUELCONSUMED - Fuel Consumed	1233763	1269597	1120834	1399294	1356356	1243304
FUELCOST - Fuel Cost	1100646	1233668	1111642	1416090	1400579	1321240
FUELCOSTPMMBTU - Cost, $/mmBtu	1.868957	1.800203	2.101906	1.87924	2.048299	2.096923
FUELDELIVERYCOST - Fuel Delivery Cost	1207114	1052877	1245807	1215567	1380499	1288685
GENCAPACITY - Net Thermal Generation Capacity MWh	181150.4	179693.1	163019.9	182675.6	180426.7	161876.5
GENCAPACITYMW - Net Thermal Generation Capacity	38.70735	38.39597	34.83331	39.10009	38.81814	34.70766
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	201240	201240	201240	200896	199864	200552
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43	43	43	43	43
GENERATION - Thermal Generation MWh	104940.3	108722.7	95549.31	121554.7	117461	108039.7
GENERATIONCOSTPMW - Generation Cost	283.3623	272.7316	291.8588	280.4842	305.563	285.8569
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	22.87087	21.94323	25.63925	22.61029	24.65617	25.15891
GENERATIONCOSTS - Thermal Generation Costs	2460811	2447059	2503101	2813395	2960515	2778215
GENERATIONGROSSREVENUE - Gross Generation Revenue	2158065	2281230	2273412	3031954	3100802	2985864
GENERATIONNETREVENUE - Net Revenue Generation	-302746	-165829	-229689	218558.8	140287.6	207649.4
GROSSREVENUE - Gross Revenue, $	2158065	2281230	2273412	3031954	3100802	2985864
HOURSRUN - Runtime Hours	4212.57	4178.69	3790.91	4248.27	4195.97	3764.39
MARKETGENERATIONCOST - Market Sales Generation Costs	226971.5	32561.27	206977.1	33069.24	22751.92	14184.42
MARKETSALES - Spot Sales $	232153.6	29773.42	233811.7	36069.59	24806.21	15559.82
MARKETSALESMW - Spot Sales	19.07281	11.91681	20.74003	12.57435	11.48488	10.89939
MARKETSALESMWH - Spot Sales MWh	10225.02	1500.677	8419.127	1489.202	944.0623	578.159
MCP - MCP	20.50451	18.20313	19.74738	21.90087	20.25422	23.15701
MCPMINSPOTPRICE - MCP min spot price	18.15169	15.99363	18.80163	19.43387	19.33011	21.75721
NETPOS - Net Position (MWh)	104940.3	108722.7	95549.31	121554.7	117461	108039.7
NETPOSMW - Net position per MW	22.42315	23.23134	20.41652	26.0177	25.27131	23.1646
NETREVENUE - Net Revenue $	-947634	-829447	-815549	-512852	-568680	-442226
NETREVENUEUNHEDGED - Net Revenue without hedges	-947634	-829447	-815549	-512852	-568680	-442226

NLGENERATION - Native Load Generation MWh	94715.3	107222	87130.18	120065.5	116517	107461.5
NLGENERATIONCOST - Native Load Generation Costs	2174185	2352922	2239333	2714065	2872263	2702700
NonZeroMCPHour - Market sales hours greater than colstrip price	27.66	6.35	76.65	1.46	5.45	0.17
NWECOSTS - NWE Costs	302746.3	165828.8	229689	-218559	-140288	-207649
NWECOSTSMPS - NWE Costs w/ MPS	70592.67	136055.4	-4122.68	-254628	-165094	-223209
OTHERMCPHOUR - Other MCP Hours	210.84	138.78	514.57	37	166.12	64.12
PO - Planned Outage Rate	0.054785	0.060958	0.148163	0.043634	0.05092	0.152493
PORTFOLIOLOADNATIVE - Portfolio Load	789396.1	799859.7	751970	842095.4	850136	791458.5
STARTS - Number Starts	16.71	16.91	15.29	17.49	16.95	15.56
STARTUPCOST - StartupCost	59654.7	61576.07	56790.55	66261.04	65499.58	61330.8
TOTALCOSTOFSUPPLY - Total Cost of Supply	3105699	3110677	3088961	3544806	3669482	3428090
TOTALCOSTS - Total Cost	3105699	3110677	3088961	3544806	3669482	3428090
TOTALFUELCOST - Total Fuel Cost	2307759	2286545	2357449	2631657	2781078	2609925
TOTALGEN - All Generation	104940.3	108722.7	95549.31	121554.7	117461	108039.7
TOTALSTARTUPCOST - TotalStartupCost	59654.7	61576.07	56790.55	66261.04	65499.58	61330.8
TOTALVARIABLECOST - Variable Costs $	3105699	3110677	3088961	3544806	3669482	3428090
VOMCOSTS - VOM Costs	93396.88	98937.62	88860.86	115477	113937.2	106959.3
zeroMCPHour - Market sales hours less than colstrip price	6.77	2.29	10.39	0.12	0.7	1.58
Faulkton						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)						
CAPACITYFACTOR - Net Generation Capacity Factor						
CAPACITYFACTORNOOUTS - Capacity Factor, %						
COSTTOSERVELOAD - Cost to Serve Load						
COSTTOSERVELOADPMW - Cost to Serve Load PMW						
EXPORTGENERATION - Export generation						
FO - Forced Outage Rate	0.031315	0.030803	0.02907	0.029401	0.029192	0.031153
FUELCONSUMED - Fuel Consumed						
FUELCOST - Fuel Cost						
FUELCOSTPMMBTU - Cost, $/mmBtu						
FUELDELIVERYCOST - Fuel Delivery Cost						
GENCAPACITY - Net Thermal Generation Capacity MWh	13602.21	13608.33	13632.9	13606.32	13539.81	13555.53
GENCAPACITYMW - Net Thermal Generation Capacity	2.906455	2.907762	2.913012	2.912311	2.91304	2.906417
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	14040	14040	14040	14016	13944	13992
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3	3	3
GENERATION - Thermal Generation MWh						

GENERATIONCOSTPMW - Generation Cost						
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder						
GENERATIONCOSTS - Thermal Generation Costs						
GENERATIONGROSSREVENUE - Gross Generation Revenue						
GENERATIONNETREVENUE - Net Revenue Generation						
GROSSREVENUE - Gross Revenue, $						
HOURSRUN - Runtime Hours						
MARKETGENERATIONCOST - Market Sales Generation Costs						
MARKETSALES - Spot Sales $						
MARKETSALESMW - Spot Sales						
MARKETSALESMWH - Spot Sales MWh						
MCP - MCP						
MCPMINSPOTPRICE - MCP min spot price						
NETPOS - Net Position (MWh)						
NETPOSMW - Net position per MW						
NETREVENUE - Net Revenue $						
NETREVENUEUNHEDGED - Net Revenue without hedges						
NLGENERATION - Native Load Generation MWh						
NLGENERATIONCOST - Native Load Generation Costs						
NonZeroMCPHour - Market sales hours greater than colstrip price						
NWECOSTS - NWE Costs						
NWECOSTSMPS - NWE Costs w/ MPS						
OTHERMCPHOUR - Other MCP Hours						
PORTFOLIOLOADNATIVE - Portfolio Load						
STARTS - Number Starts						
TOTALCOSTOFSUPPLY - Total Cost of Supply						
TOTALCOSTS - Total Cost						
TOTALFUELCOST - Total Fuel Cost						
TOTALGEN - All Generation						
TOTALVARIABLECOST - Variable Costs $						
Huron						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	13.95008	13.24026	13.53249	12.83234	13.53854	12.40957
CAPACITYFACTOR - Net Generation Capacity Factor	0.005512	0.00545	0.007835	0.007838	0.008263	0.007414
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.005344	0.005291	0.007611	0.007595	0.008023	0.007207
COSTTOSERVELOAD - Cost to Serve Load	2347.4	1369.251	2903.517	3948.377	5496.753	4011.043

COSTTOSERVELOADPMW - Cost to Serve Load PMW	9.404312	5.738658	11.58067	15.10964	21.3036	14.69594
EXPORTGENERATION - Export generation	1250.5	1238.1	1781.2	1774.3	1864.7	1680.7
FO - Forced Outage Rate	0.029978	0.029221	0.029145	0.02979	0.029957	0.029509
FUELCONSUMED - Fuel Consumed	17668.1	17483.7	25186.4	25061.9	26379.1	23764.7
FUELCOST - Fuel Cost	49016.44	49273.9	81486.28	89425.84	97132.62	88373.02
FUELCOSTPMMBTU - Cost, $/mmBtu	2.725991	2.712559	3.135232	3.251651	3.528192	3.378475
GASNLFUELCONSUMED - Native Load Gas Used	877.4695	469.9946	827.521	1079.39	1460.373	994.7603
GENCAPACITY - Net Thermal Generation Capacity MWh	226990.7	227121.5	227185.2	226633.7	225413.9	226374.6
GENCAPACITYMW - Net Thermal Generation Capacity	48.50229	48.53024	48.54385	48.50893	48.49697	48.53658
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	234000	234000	234000	233600	232400	233200
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50	50	50	50	50
GENERATION - Thermal Generation MWh	1250.5	1238.1	1781.2	1774.3	1864.7	1680.7
GENERATIONCOSTPMW - Generation Cost	185.7765	168.6928	224.2719	255.3988	266.8377	243.7532
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	38.68581	38.76792	44.533	46.21049	50.17543	48.08547
GENERATIONCOSTS - Thermal Generation Costs	49317.2	49648.06	82002.96	89977.07	97756.53	88917.6
GENERATIONGROSSREVENUE - Gross Generation Revenue	56169.55	56731.47	95034.91	103342.2	113752.1	102703.5
GENERATIONNETREVENUE - Net Revenue Generation	6852.356	7083.416	13031.95	13365.09	15995.56	13785.92
GROSSREVENUE - Gross Revenue, $	56169.55	56731.47	95034.91	103342.2	113752.1	102703.5
HOURSRUN - Runtime Hours	3383.97	2723.92	2528.15	2562.04	2458.76	2503.32
MARKETGENERATIONCOST - Market Sales Generation Costs	46969.8	48278.81	79099.44	86028.69	92259.77	84906.56
MARKETSALES - Spot Sales $	53450.23	55213.74	91626.69	98746.72	107162.1	98120.72
MARKETSALESMW - Spot Sales	22.63847	21.16306	21.69756	20.86155	21.66623	20.11369
MARKETSALESMWH - Spot Sales MWh	1188.041	1204.544	1722.287	1697.425	1761.038	1609.925
MCP - MCP	40.67726	41.81913	49.54707	52.60839	55.39786	57.36979
MCPMINSPOTPRICE - MCP min spot price	21.76313	13.38212	23.78259	27.75623	34.18853	31.48007
NETPOS - Net Position (MWh)	1250.5	1238.1	1781.2	1774.3	1864.7	1680.7
NETPOSMW - Net position per MW	0.2672	0.264551	0.380598	0.379773	0.401183	0.360355
NETREVENUE - Net Revenue $	6852.356	7083.416	13031.95	13365.09	15995.56	13785.92
NETREVENUEUNHEDGED - Net Revenue without hedges	6852.356	7083.416	13031.95	13365.09	15995.56	13785.92
NLGENERATION - Native Load Generation MWh	62.45871	33.5561	58.91336	76.87549	103.6622	70.77508
NLGENERATIONCOST - Native Load Generation Costs	2347.4	1369.251	2903.517	3948.377	5496.753	4011.043
NonZeroMCPHour - Market sales hours greater than colstrip price	17.1	17.26	24.81	24.2	24.64	22.3
NWECOSTS - NWE Costs	-6852.36	-7083.42	-13031.9	-13365.1	-15995.6	-13785.9
NWECOSTSMPS - NWE Costs w/ MPS	-60302.6	-62297.2	-104659	-112112	-123158	-111907
OTHERMCPHOUR - Other MCP Hours	0.27	0.19	0.4	0.39	0.72	0.57

PORTFOLIOLOADNATIVE - Portfolio Load	7984.752	8034.913	11798.85	11826.48	12814.39	11791.42
STARTS - Number Starts	0.51	0.69	0.87	0.94	1	0.91
STARTUPCOST - StartupCost	245.984	322.059	428.493	471.412	523.7	456.101
TOTALCOSTOFSUPPLY - Total Cost of Supply	49317.2	49648.06	82002.96	89977.07	97756.53	88917.6
TOTALCOSTS - Total Cost	49317.2	49648.06	82002.96	89977.07	97756.53	88917.6
TOTALFUELCOST - Total Fuel Cost	49016.44	49273.9	81486.28	89425.84	97132.62	88373.02
TOTALGEN - All Generation	1250.5	1238.1	1781.2	1774.3	1864.7	1680.7
TOTALSTARTUPCOST - TotalStartupCost	245.984	322.059	428.493	471.412	523.7	456.101
TOTALVARIABLECOST - Variable Costs $	49317.2	49648.06	82002.96	89977.07	97756.53	88917.6
VOMCOSTS - VOM Costs	54.774	52.104	88.192	79.812	100.21	88.479
zeroMCPHour - Market sales hours less than colstrip price						0.18
Mobile Unit						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)						
CAPACITYFACTOR - Net Generation Capacity Factor						
CAPACITYFACTORNOOUTS - Capacity Factor, %						
COSTTOSERVELOAD - Cost to Serve Load						
COSTTOSERVELOADPMW - Cost to Serve Load PMW						
EXPORTGENERATION - Export generation						
FO - Forced Outage Rate	0.029036	0.029494	0.03079	0.030834	0.030476	0.029264
FUELCONSUMED - Fuel Consumed						
FUELCOST - Fuel Cost						
FUELCOSTPMMBTU - Cost, $/mmBtu						
FUELDELIVERYCOST - Fuel Delivery Cost						
GENCAPACITY - Net Thermal Generation Capacity MWh	18176.28	18168.16	18143.28	18111.32	18023.44	18107.76
GENCAPACITYMW - Net Thermal Generation Capacity	3.88382	3.882085	3.876769	3.876566	3.877676	3.882452
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	18720	18720	18720	18688	18592	18656
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4	4	4	4	4
GENERATION - Thermal Generation MWh						
GENERATIONCOSTPMW - Generation Cost						
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder						
GENERATIONCOSTS - Thermal Generation Costs						
GENERATIONGROSSREVENUE - Gross Generation Revenue						
GENERATIONNETREVENUE - Net Revenue Generation						
GROSSREVENUE - Gross Revenue, $						
HOURSRUN - Runtime Hours						

MARKETGENERATIONCOST - Market Sales Generation Costs						
MARKETSALES - Spot Sales $						
MARKETSALESMW - Spot Sales						
MARKETSALESMWH - Spot Sales MWh						
MCP - MCP						
MCPMINSPOTPRICE - MCP min spot price						
NETPOS - Net Position (MWh)						
NETPOSMW - Net position per MW						
NETREVENUE - Net Revenue $						
NETREVENUEUNHEDGED - Net Revenue without hedges						
NLGENERATION - Native Load Generation MWh						
NLGENERATIONCOST - Native Load Generation Costs						
NonZeroMCPHour - Market sales hours greater than colstrip price						
NWECOSTS - NWE Costs						
NWECOSTSMPS - NWE Costs w/ MPS						
OTHERMCPHOUR - Other MCP Hours						
PORTFOLIOLOADNATIVE - Portfolio Load						
STARTS - Number Starts						
TOTALCOSTOFSUPPLY - Total Cost of Supply						
TOTALCOSTS - Total Cost						
TOTALFUELCOST - Total Fuel Cost						
TOTALGEN - All Generation						
TOTALVARIABLECOST - Variable Costs $						
Neal						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.35801	10.49368	10.42619	10.40285	10.39491	10.38401
CAPACITYFACTOR - Net Generation Capacity Factor	0.480511	0.405322	0.447534	0.457989	0.463403	0.472988
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.398868	0.374709	0.413668	0.423025	0.426774	0.391058
COSTTOSERVELOAD - Cost to Serve Load	2253231	2228454	2688428	2674103	2843938	2766028
COSTTOSERVELOADPMW - Cost to Serve Load PMW	11109.5	10882.22	13032.08	12591.88	13155.92	12346.48
EXPORTGENERATION - Export generation	109388.9	102763.2	113447.7	115815.5	116241.7	106880.5
FO - Forced Outage Rate	0.057731	0.056663	0.056916	0.057004	0.056736	0.057978
FUELCONSUMED - Fuel Consumed	1132244	1077104	1179699	1202104	1205234	1106886
FUELCOST - Fuel Cost	1012468	1048727	1171164	1218269	1247727	1178373
FUELCOSTPMMBTU - Cost, $/mmBtu	1.980824	2.233658	2.280569	2.405209	2.503307	2.615617
FUELDELIVERYCOST - Fuel Delivery Cost	1233920	1358767	1522165	1676214	1774346	1721319

GENCAPACITY - Net Thermal Generation Capacity MWh	227574.9	253526.5	253449.1	252989.7	250812.1	225953.4
GENCAPACITYMW - Net Thermal Generation Capacity	48.62711	54.17232	54.15579	54.15019	53.9613	48.44627
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	274248	274248	274248	273779.2	272372.8	273310.4
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.6	58.6	58.6	58.6	58.6	58.6
GENERATION - Thermal Generation MWh	109388.9	102763.2	113447.7	115815.5	116241.7	106880.5
GENERATIONCOSTPMW - Generation Cost	265.9952	333.1791	335.4264	349.8222	364.7244	348.6434
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.96501	23.89771	24.24505	25.49894	26.50785	27.65679
GENERATIONCOSTS - Thermal Generation Costs	2558288	2750610	3048075	3255466	3396841	3246186
GENERATIONGROSSREVENUE - Gross Generation Revenue	2521629	2433307	2955448	3257339	3434001	3297896
GENERATIONNETREVENUE - Net Revenue Generation	-36659.9	-317303	-92626.9	1873.197	37160.06	51710.12
GROSSREVENUE - Gross Revenue, $	2521629	2433307	2955448	3257339	3434001	3297896
HOURSRUN - Runtime Hours	3882.43	4326.29	4324.84	4317.07	4279.85	3855.31
MARKETGENERATIONCOST - Market Sales Generation Costs	42381.87	226310.7	58222.11	275971.9	235093.5	187103.6
MARKETSALES - Spot Sales $	43221.25	251657.3	65512.89	327660.1	285287.5	224672.3
MARKETSALESMW - Spot Sales	13.38795	20.33169	15.94595	22.12381	21.47884	20.87038
MARKETSALESMWH - Spot Sales MWh	2024.49	9690.626	2447.975	11060.74	9066.628	6920.235
MCP - MCP	20.39969	20.50941	21.91827	23.14097	23.28614	23.66972
MCPMINSPOTPRICE - MCP min spot price	17.6817	18.8117	20.18548	21.62363	22.15862	22.9328
NETPOS - Net Position (MWh)	109388.9	102763.2	113447.7	115815.5	116241.7	106880.5
NETPOSMW - Net position per MW	23.37371	21.95795	24.24096	24.78928	25.00897	22.91605
NETREVENUE - Net Revenue $	-628484	-880305	-709256	-626467	-592816	-526859
NETREVENUEUNHEDGED - Net Revenue without hedges	-628484	-880305	-709256	-626467	-592816	-526859
NLGENERATION - Native Load Generation MWh	107364.5	93072.57	110999.7	104754.8	107175.1	99960.23
NLGENERATIONCOST - Native Load Generation Costs	2253231	2228454	2688428	2674103	2843938	2766028
NonZeroMCPHour - Market sales hours greater than colstrip price	1.52	35.64	6.2	26.62	34.23	8.77
NWECOSTS - NWE Costs	36659.92	317302.5	92626.95	-1873.2	-37160.1	-51710.1
NWECOSTSMPS - NWE Costs w/ MPS	-6561.33	65645.2	27114.06	-329533	-322448	-276382
OTHERMCPHOUR - Other MCP Hours	27.41	260.33	83.06	207.59	254.31	330.83
PO - Planned Outage Rate	0.121358	0.020412	0.020422	0.018897	0.022042	0.121367
PORTFOLIOLOADNATIVE - Portfolio Load	695955	778450.2	795873.2	804630.9	814040.3	764715.9
STARTS - Number Starts	16.22	17.91	17.89	17.77	18.13	16.39
STARTUPCOST - StartupCost	262675.4	295845.1	301425	305391.3	317809.7	293054.5
TOTALCOSTOFSUPPLY - Total Cost of Supply	3150113	3313612	3664704	3883806	4026817	3824756
TOTALCOSTS - Total Cost	3150113	3313612	3664704	3883806	4026817	3824756
TOTALFUELCOST - Total Fuel Cost	2246388	2407493	2693330	2894483	3022073	2899691

TOTALGEN - All Generation	109388.9	102763.2	113447.7	115815.5	116241.7	106880.5
TOTALSTARTUPCOST - TotalStartupCost	262675.4	295845.1	301425	305391.3	317809.7	293054.5
TOTALVARIABLECOST - Variable Costs $	3150113	3313612	3664704	3883806	4026817	3824756
VOMCOSTS - VOM Costs	49225.02	47271.07	53320.42	55591.44	56958.43	53440.24
zeroMCPHour - Market sales hours less than colstrip price	0.17	8.39	0.52	2.99	3.01	44.04
Yankton						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	13.95	11.55	12.3	12.75	12.75	11.85
CAPACITYFACTOR - Net Generation Capacity Factor	0.003925	0.003842	0.005666	0.005792	0.006356	0.005619
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.003809	0.003732	0.005497	0.005629	0.006183	0.005448
COSTTOSERVELOAD - Cost to Serve Load	271.9498	145.3272	280.5527	429.3514	740.3915	524.3227
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1.040577	0.59894	1.086582	1.591675	2.759954	1.88572
EXPORTGENERATION - Export generation	249.62	244.58	360.22	368.2	402.36	355.74
FO - Forced Outage Rate	0.029634	0.029606	0.029507	0.030169	0.029932	0.029804
FUELCONSUMED - Fuel Consumed	3744.3	3668.7	5403.3	5523	6035.4	5336.1
FUELCOST - Fuel Cost	10401.32	10032.83	17196.12	19518.8	21809.7	19523.45
FUELCOSTPMMBTU - Cost, $/mmBtu	2.560785	2.185482	2.644731	3.034983	3.090956	2.998707
GASNLFUELCONSUMED - Native Load Gas Used	94.3463	47.50739	79.93438	111.3856	191.9401	125.0971
GENCAPACITY - Net Thermal Generation Capacity MWh	63580.02	63586.74	63593.6	63433.72	63125.86	63348.04
GENCAPACITYMW - Net Thermal Generation Capacity	13.58547	13.58691	13.58838	13.57742	13.5813	13.58234
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	65520	65520	65520	65408	65072	65296
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14	14	14	14	14
GENERATION - Thermal Generation MWh	249.62	244.58	360.22	368.2	402.36	355.74
GENERATIONCOSTPMW - Generation Cost	102.1543	93.57699	118.9382	145.8058	147.3552	138.3841
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	40.22159	35.62121	40.96816	47.91623	47.25511	46.30913
GENERATIONCOSTS - Thermal Generation Costs	10653.32	10410.83	17616.12	20001.8	22208.7	19964.45
GENERATIONGROSSREVENUE - Gross Generation Revenue	11824.89	11510.21	19986.4	22437.19	25331.17	22589.44
GENERATIONNETREVENUE - Net Revenue Generation	1171.571	1099.381	2370.274	2435.392	3122.469	2624.982
GROSSREVENUE - Gross Revenue, $	11824.89	11510.21	19986.4	22437.19	25331.17	22589.44
HOURSRUN - Runtime Hours	1861.94	1566.97	1387.13	1463.99	1401.51	1394.27
MARKETGENERATIONCOST - Market Sales Generation Costs	10381.37	10265.5	17335.57	19572.45	21468.3	19440.13
MARKETSALES - Spot Sales $	11513.79	11366.08	19658.34	21945.29	24461.64	22016.7
MARKETSALESMW - Spot Sales	12.97078	10.75996	11.46747	11.82592	11.822	11.02486
MARKETSALESMWH - Spot Sales MWh	243.3302	241.4128	354.891	360.7743	389.564	347.4002
MCP - MCP	45.0911	45.78973	56.22518	56.91793	61.65457	63.68719
MCPMINSPOTPRICE - MCP min spot price	8.567308	5.952665	7.871525	11.95276	16.77575	13.37431

NETPOS - Net Position (MWh)	249.62	244.58	360.22	368.2	402.36	355.74
NETPOSMW - Net position per MW	0.053337	0.05226	0.07697	0.078809	0.086566	0.076273
NETREVENUE - Net Revenue $	1171.571	1099.381	2370.274	2435.392	3122.469	2624.982
NETREVENUEUNHEDGED - Net Revenue without hedges	1171.571	1099.381	2370.274	2435.392	3122.469	2624.982
NLGENERATION - Native Load Generation MWh	6.289753	3.167159	5.328958	7.425707	12.79601	8.339808
NLGENERATIONCOST - Native Load Generation Costs	271.9498	145.3272	280.5527	429.3514	740.3915	524.3227
NonZeroMCPHour - Market sales hours greater than colstrip price	12.27	12.58	17.24	18.63	19.38	17.09
NWECOSTS - NWE Costs	-1171.57	-1099.38	-2370.27	-2435.39	-3122.47	-2624.98
NWECOSTSMPS - NWE Costs w/ MPS	-12685.4	-12465.5	-22028.6	-24380.7	-27584.1	-24641.7
OTHERMCPHOUR - Other MCP Hours	0.23	0.17	0.23	0.27	0.47	0.38
PORTFOLIOLOADNATIVE - Portfolio Load	4068.132	4064.531	5980.31	6247.866	6900.947	6273.135
STARTS - Number Starts	0.24	0.36	0.4	0.46	0.38	0.42
STARTUPCOST - StartupCost	252	378	420	483	399	441
TOTALCOSTOFSUPPLY - Total Cost of Supply	10653.32	10410.83	17616.12	20001.8	22208.7	19964.45
TOTALCOSTS - Total Cost	10653.32	10410.83	17616.12	20001.8	22208.7	19964.45
TOTALFUELCOST - Total Fuel Cost	10401.32	10032.83	17196.12	19518.8	21809.7	19523.45
TOTALGEN - All Generation	249.62	244.58	360.22	368.2	402.36	355.74
TOTALSTARTUPCOST - TotalStartupCost	252	378	420	483	399	441
TOTALVARIABLECOST - Variable Costs $	10653.32	10410.83	17616.12	20001.8	22208.7	19964.45
zeroMCPHour - Market sales hours less than colstrip price						0.08
Generation Asset - Total						
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.12539	11.15328	11.07979	11.04012	11.02749	11.01493
CAPACITYFACTOR - Net Generation Capacity Factor	0.292559	0.283178	0.291809	0.316807	0.316646	0.313144
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.274321	0.266403	0.266872	0.302125	0.297604	0.286172
COSTTOSERVELOAD - Cost to Serve Load	8989852	9200878	9715754	10697566	11126016	11573610
COSTTOSERVELOADPMW - Cost to Serve Load PMW	45251.53	45457.87	46745.73	50989.46	51796.85	52562.19
EXPORTGENERATION - Export generation	471292	457688.4	458494.8	518172.8	507797.6	489971.8
FO - Forced Outage Rate	0.034556	0.034249	0.034336	0.034573	0.034387	0.03435
FUELCONSUMED - Fuel Consumed	5240474	5101114	5070491	5712018	5589934	5388194
FUELCOST - Fuel Cost	4809913	5109175	5271332	6072944	6091037	6028809
FUELCOSTPMMBTU - Cost, $/mmBtu	2.15108	2.225043	2.36604	2.375182	2.479879	2.570125
FUELDELIVERYCOST - Fuel Delivery Cost	6473342	6245968	6735980	7510177	7792456	7838160
GASNLFUELCONSUMED - Native Load Gas Used	7376.014	6466.262	8677.471	10076.91	12053.3	13047.54
GENCAPACITY - Net Thermal Generation Capacity MWh	1610914	1616247	1571098	1635720	1603709	1564745
GENCAPACITYMW - Net Thermal Generation Capacity	344.2124	345.352	335.7047	350.1113	345.0322	335.4943

GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1718028	1718028	1718028	1715091	1706281	1712154
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.1	367.1	367.1	367.1	367.1
GENERATION - Thermal Generation MWh	471292	457688.4	458494.8	518172.8	507797.6	489971.8
GENERATIONCOSTPMW - Generation Cost	1379.935	1419.352	1528.588	1635.18	1710.097	1663.541
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	25.03637	25.95499	27.39234	27.42915	28.57285	29.57737
GENERATIONCOSTS - Thermal Generation Costs	12205713	12318633	12990793	14667249	14982521	14936133
GENERATIONGROSSREVENUE - Gross Generation Revenue	10226065	10187616	11516085	13866515	14388851	14366981
GENERATIONNETREVENUE - Net Revenue Generation	-1979649	-2131017	-1474708	-800734	-593670	-569152
GROSSREVENUE - Gross Revenue, $	10226065	10187616	11516085	13866515	14388851	14366981
HOURSRUN - Runtime Hours	20496.08	19468.87	18284.1	19238.43	18726.61	18017.19
MARKETGENERATIONCOST - Market Sales Generation Costs	2815721	2676702	2833473	3514089	3383670	2918008
MARKETSALES - Spot Sales $	2723609	2696864	3144491	3910096	3891562	3389945
MARKETSALESMW - Spot Sales	26.70298	26.16764	27.82541	27.21933	27.49797	26.09881
MARKETSALESMWH - Spot Sales MWh	105011.1	96417.08	97819.36	117717.4	109655.5	91395.98
MCP - MCP	26.24389	25.60448	28.45309	31.28085	33.06906	33.40791
MCPMINSPOTPRICE - MCP min spot price	24.40342	24.04009	27.35984	29.83836	32.09598	32.56488
NETPOS - Net Position (MWh)	471292	457688.4	458494.8	518172.8	507797.6	489971.8
NETPOSMW - Net position per MW	100.7034	97.79666	97.96898	110.9103	109.2508	105.054
NETREVENUE - Net Revenue $	-4683395	-4759471	-4072941	-3731407	-3458631	-3331841
NETREVENUEUNHEDGED - Net Revenue without hedges	-4683395	-4759471	-4072941	-3731407	-3458631	-3331841
NLGENERATION - Native Load Generation MWh	366280.9	361271.3	360675.4	400455.4	398142.1	398575.9
NLGENERATIONCOST - Native Load Generation Costs	8989852	9200878	9715754	10697566	11126016	11573610
NonZeroMCPHour - Market sales hours greater than colstrip price	1648.82	1480.69	1427.01	1741.71	1606.27	519.22
NWECOSTS - NWE Costs	1979649	2131017	1474708	800733.8	593669.9	569152.3
NWECOSTSMPS - NWE Costs w/ MPS	-743960	-565847	-1669783	-3109362	-3297892	-2820793
OTHERMCPHOUR - Other MCP Hours	2604.13	2852.18	2982	2684.19	2822.59	3036.69
PO - Planned Outage Rate	0.016013	0.010953	0.024264	0.005684	0.010209	0.028611
PORTFOLIOLOADNATIVE - Portfolio Load	2371563	2455116	2411065	2601117	2601476	2513213
STARTS - Number Starts	46.41	49.35	48.26	50.37	51	47.46
STARTUPCOST - StartupCost	401368.2	442563.1	443469.5	457642	475005.6	446598.1
TOTALCOSTOFSUPPLY - Total Cost of Supply	14909460	14947087	15589027	17597922	17847482	17698822
TOTALCOSTS - Total Cost	14909460	14947087	15589027	17597922	17847482	17698822
TOTALFUELCOST - Total Fuel Cost	11283255	11355143	12007312	13583121	13883493	13866969
TOTALGEN - All Generation	471292	457688.4	458494.8	518172.8	507797.6	489971.8
TOTALSTARTUPCOST - TotalStartupCost	401368.2	442563.1	443469.5	457642	475005.6	446598.1

TOTALVARIABLECOST - Variable Costs $	14909460	14947087	15589027	17597922	17847482	17698822
VOMCOSTS - VOM Costs	521089.8	520926.3	540011.1	626486.5	624022	622566.4
zeroMCPHour - Market sales hours less than colstrip price	409.8	330.95	246.07	232.41	201.55	1069.22
Load						
South Dakota Load						
COSTOFSUPPLY - Cost of Supply	17005859	17544503	19553665	21607348	23082356	24453652
COSTTOSERVELOAD - Cost to Serve Load	1877188	2277259	2689159	2435276	2905410	3465235
COSTTOSERVELOADPMW - Cost to Serve Load PMW	9154.123	10834.72	12725.92	11177.2	13154.9	15535.16
EXPORTGENERATION - Export generation	-912924	-932134	-951812	-965695	-982513	-1006520
GENERATIONLOAD - Load @ Generation	912924.2	932133.8	951812	965694.6	982512.6	1006520
MARKETPURCHASES - Spot Purchases $	1877188	2277259	2689159	2435276	2905410	3465235
MARKETPURCHASESHOURS - Market Purchase Flag	2590.91	2839.82	2982.04	2671.92	2815.68	3052.76
MARKETPURCHASESMAX - Max Spot Purchases	182.0963	187.056	197.1548	193.4362	203.2235	209.4667
MARKETPURCHASESMW - Spot Purchases	47.81537	52.38528	56.30325	53.85178	58.27134	61.04976
MARKETPURCHASESMWH - Spot Purchases MWh	125839.8	150681.4	170453.6	146264.4	166790	188762
NETPOS - Net Position (MWh)	-912924	-932134	-951812	-965695	-982513	-1006520
NETPOSMW - Net position per MW	-195.069	-199.174	-203.379	-206.698	-211.384	-215.806
NETREVENUE - Net Revenue $	-1.7E+07	-1.8E+07	-2E+07	-2.2E+07	-2.3E+07	-2.4E+07
NETREVENUEPMW - Net Revenue $/MWh	-18.6291	-18.8242	-20.5424	-22.3771	-23.4975	-24.2942
NETREVENUEUNHEDGED - Net Revenue without hedges	-1.7E+07	-1.8E+07	-2E+07	-2.2E+07	-2.3E+07	-2.4E+07
NWECOSTS - NWE Costs	17005859	17544503	19553665	21607348	23082356	24453652
NWECOSTSMPS - NWE Costs w/ MPS	18883047	19821763	22242824	24042624	25987766	27918888
PORTFOLIOLOADNATIVE - Portfolio Load	912924.2	932133.8	951812	965694.6	982512.6	1006520
TOTALCOSTOFSUPPLY - Total Cost of Supply	17005859	17544503	19553665	21607348	23082356	24453652
TOTALCOSTS - Total Cost	17005859	17544503	19553665	21607348	23082356	24453652
TOTALVARIABLECOST - Variable Costs $	17005859	17544503	19553665	21607348	23082356	24453652
Load - Total						
COSTOFSUPPLY - Cost of Supply	17005859	17544503	19553665	21607348	23082356	24453652
COSTTOSERVELOAD - Cost to Serve Load	1877188	2277259	2689159	2435276	2905410	3465235
COSTTOSERVELOADPMW - Cost to Serve Load PMW	9154.123	10834.72	12725.92	11177.2	13154.9	15535.16
EXPORTGENERATION - Export generation	-912924	-932134	-951812	-965695	-982513	-1006520
GENERATIONLOAD - Load @ Generation	912924.2	932133.8	951812	965694.6	982512.6	1006520
MARKETPURCHASES - Spot Purchases $	1877188	2277259	2689159	2435276	2905410	3465235
MARKETPURCHASESHOURS - Market Purchase Flag	2590.91	2839.82	2982.04	2671.92	2815.68	3052.76
MARKETPURCHASESMAX - Max Spot Purchases	182.0963	187.056	197.1548	193.4362	203.2235	209.4667

MARKETPURCHASESMW - Spot Purchases	47.81537	52.38528	56.30325	53.85178	58.27134	61.04976
MARKETPURCHASESMWH - Spot Purchases MWh	125839.8	150681.4	170453.6	146264.4	166790	188762
NETPOS - Net Position (MWh)	-912924	-932134	-951812	-965695	-982513	-1006520
NETPOSMW - Net position per MW	-195.069	-199.174	-203.379	-206.698	-211.384	-215.806
NETREVENUE - Net Revenue $	-1.7E+07	-1.8E+07	-2E+07	-2.2E+07	-2.3E+07	-2.4E+07
NETREVENUEPMW - Net Revenue $/MWh	-18.6291	-18.8242	-20.5424	-22.3771	-23.4975	-24.2942
NETREVENUEUNHEDGED - Net Revenue without hedges	-1.7E+07	-1.8E+07	-2E+07	-2.2E+07	-2.3E+07	-2.4E+07
NWECOSTS - NWE Costs	17005859	17544503	19553665	21607348	23082356	24453652
NWECOSTSMPS - NWE Costs w/ MPS	18883047	19821763	22242824	24042624	25987766	27918888
PORTFOLIOLOADNATIVE - Portfolio Load	912924.2	932133.8	951812	965694.6	982512.6	1006520
TOTALCOSTOFSUPPLY - Total Cost of Supply	17005859	17544503	19553665	21607348	23082356	24453652
TOTALCOSTS - Total Cost	17005859	17544503	19553665	21607348	23082356	24453652
TOTALVARIABLECOST - Variable Costs $	17005859	17544503	19553665	21607348	23082356	24453652
N/A						
MCP - MCP						
MCPMINSPOTPRICE - MCP min spot price						
OTHERMCPHOUR - Other MCP Hours						
PORTFOLIOLOADNATIVE - Portfolio Load						
Wind Asset						
Aurora County Wind						
EXPORTGENERATION - Export generation	49843.97	49816.14	49844.2	49624.76	49395.12	49707.19
GROSSREVENUE - Gross Revenue, $	897495.8	912941.3	999883.3	1082056	1135390	1179327
MARKETSALES - Spot Sales $	1212.737	801.0442	547.7048	409.9807	123.1094	44.27794
MARKETSALESMW - Spot Sales	5.398822	4.966085	4.282974	3.629383	2.135689	1.145715
MARKETSALESMWH - Spot Sales MWh	107.5634	59.90106	37.43001	24.97433	7.573508	3.070816
MCP - MCP	15.98449	14.75402	16.93555	17.12477	19.47958	18.79396
MCPMINSPOTPRICE - MCP min spot price	13.42697	12.68845	15.75006	12.15859	17.14203	18.23014
NETPOS - Net Position (MWh)	49843.97	49816.14	49844.2	49624.76	49395.12	49707.19
NETPOSMW - Net position per MW	10.65042	10.64447	10.65047	10.62174	10.62718	10.65763
NETREVENUE - Net Revenue $	897495.8	912941.3	999883.3	1082056	1135390	1179327
NETREVENUEUNHEDGED - Net Revenue without hedges	897495.8	912941.3	999883.3	1082056	1135390	1179327
NLGENERATION - Native Load Generation MWh	49736.41	49756.23	49806.77	49599.78	49387.54	49704.11
NonZeroMCPHour - Market sales hours greater than colstrip price	0.04	0.01		0.03		
NWECOSTS - NWE Costs	-897496	-912941	-999883	-1082056	-1135390	-1179327
NWECOSTSMPS - NWE Costs w/ MPS	-898708	-913742	-1000431	-1082466	-1135513	-1179371

OTHERMCPHOUR - Other MCP Hours	17.07	16.11	24.77	13.66	17.1	38.31
PORTFOLIOLOADNATIVE - Portfolio Load	906357.4	923433	940294.9	955851.3	974448	996341.8
TOTALGEN - All Generation	49843.97	49816.14	49844.2	49624.76	49395.12	49707.19
WINDGEN - Generation - Wind	49843.97	49816.14	49844.2	49624.76	49395.12	49707.19
WINDGROSSREVENUE - Gross Wind Revenue	897495.8	912941.3	999883.3	1082056	1135390	1179327
WINDNETREVENUE - Net Wind Revenue $	897495.8	912941.3	999883.3	1082056	1135390	1179327
zeroMCPHour - Market sales hours less than colstrip price	0.08	0.01	0.03			0.02
B & H						
COSTTOSERVELOAD - Cost to Serve Load	2362019	2476124	2610387	2751542	2888343	3033615
COSTTOSERVELOADPMW - Cost to Serve Load PMW	12455.2	12783.89	13198.59	13683.01	14038.47	14448
EXPORTGENERATION - Export generation	88344.42	88256.7	88281.77	88026.32	87773.95	88004.51
GROSSREVENUE - Gross Revenue, $	1592642	1626229	1777776	1930086	2025090	2098723
NETPOS - Net Position (MWh)	88344.42	88256.7	88281.77	88026.32	87773.95	88004.51
NETPOSMW - Net position per MW	18.87701	18.85827	18.86363	18.84125	18.88424	18.86889
NETREVENUE - Net Revenue $	-782490	-863766	-847036	-836688	-879459	-951676
NETREVENUEUNHEDGED - Net Revenue without hedges	-782490	-863766	-847036	-836688	-879459	-951676
NLGENERATION - Native Load Generation MWh	87847.69	87756.07	87787.05	87531.14	87271.8	87509.23
NLGENERATIONCOST - Native Load Generation Costs	2362019	2476124	2610387	2751542	2888343	3033615
NWECOSTS - NWE Costs	782489.6	863765.7	847036	836687.7	879458.7	951675.9
NWECOSTSMPS - NWE Costs w/ MPS	782489.6	863765.7	847036	836687.7	879458.7	951675.9
PORTFOLIOLOADNATIVE - Portfolio Load	912924.2	932133.8	951812	965694.6	982512.6	1006520
TOTALCOSTOFSUPPLY - Total Cost of Supply	2375132	2489995	2624812	2766774	2904549	3050399
TOTALCOSTS - Total Cost	2375132	2489995	2624812	2766774	2904549	3050399
TOTALGEN - All Generation	88344.42	88256.7	88281.77	88026.32	87773.95	88004.51
TOTALVARIABLECOST - Variable Costs $	2375132	2489995	2624812	2766774	2904549	3050399
WINDCOSTS - Wind Cost	2375132	2489995	2624812	2766774	2904549	3050399
WINDGEN - Generation - Wind	88344.42	88256.7	88281.77	88026.32	87773.95	88004.51
WINDGROSSREVENUE - Gross Wind Revenue	1592642	1626229	1777776	1930086	2025090	2098723
WINDNETREVENUE - Net Wind Revenue $	-782490	-863766	-847036	-836688	-879459	-951676
WINDTOTALCOST - Wind Total Costs	2375132	2489995	2624812	2766774	2904549	3050399
B & H II						
COSTTOSERVELOAD - Cost to Serve Load	2459507	2559504	2670850	2776193	2879782	2993819
COSTTOSERVELOADPMW - Cost to Serve Load PMW	12969.86	13214.82	13504.82	13806.2	13997.42	14259.08
EXPORTGENERATION - Export generation	99267.59	99169.32	99196.88	98911.02	98628.48	98886.81
GROSSREVENUE - Gross Revenue, $	1789577	1827210	1997533	2168683	2275501	2358189

MCP - MCP	14.73335	10.40102	16.58928		21.63117	19.54175
MCPMINSPOTPRICE - MCP min spot price	0.294667	0.20802	0.497678		2.379428	3.517515
NETPOS - Net Position (MWh)	99267.59	99169.32	99196.88	98911.02	98628.48	98886.81
NETPOSMW - Net position per MW	21.21102	21.19003	21.19592	21.17102	21.21955	21.20215
NETREVENUE - Net Revenue $	-683627	-746689	-688147	-622987	-620624	-652363
NETREVENUEUNHEDGED - Net Revenue without hedges	-683627	-746689	-688147	-622987	-620624	-652363
NLGENERATION - Native Load Generation MWh	98709.34	98606.66	98640.92	98354.5	98064.09	98330.19
NLGENERATIONCOST - Native Load Generation Costs	2459507	2559504	2670850	2776193	2879782	2993819
NWECOSTS - NWE Costs	683627.5	746689.5	688147.2	622987.4	620624.2	652363.4
NWECOSTSMPS - NWE Costs w/ MPS	683627.5	746689.5	688147.2	622987.4	620624.2	652363.4
OTHERMCPHOUR - Other MCP Hours	0.04	0.04	0.05		0.44	0.46
PORTFOLIOLOADNATIVE - Portfolio Load	912924.2	932133.8	951812	965694.6	982512.6	1006520
TOTALCOSTOFSUPPLY - Total Cost of Supply	2473204	2573899	2685680	2791670	2896125	3010552
TOTALCOSTS - Total Cost	2473204	2573899	2685680	2791670	2896125	3010552
TOTALGEN - All Generation	99267.59	99169.32	99196.88	98911.02	98628.48	98886.81
TOTALVARIABLECOST - Variable Costs $	2473204	2573899	2685680	2791670	2896125	3010552
WINDCOSTS - Wind Cost	2473204	2573899	2685680	2791670	2896125	3010552
WINDGEN - Generation - Wind	99267.59	99169.32	99196.88	98911.02	98628.48	98886.81
WINDGROSSREVENUE - Gross Wind Revenue	1789577	1827210	1997533	2168683	2275501	2358189
WINDNETREVENUE - Net Wind Revenue $	-683627	-746689	-688147	-622987	-620624	-652363
WINDTOTALCOST - Wind Total Costs	2473204	2573899	2685680	2791670	2896125	3010552
Brule County Wind						
EXPORTGENERATION - Export generation	49250.14	49238.9	49271.72	49038.5	48811.21	49119.28
GROSSREVENUE - Gross Revenue, $	885024.8	900550.2	986361.9	1067018	1120221	1162486
MARKETSALES - Spot Sales $	19.90805	9.401159	0.947563	0.97633		
MARKETSALESMW - Spot Sales	0.478039	0.33019	0.116497	0.023375		
MARKETSALESMWH - Spot Sales MWh	1.885213	0.739612	0.144596	0.070126		
MCP - MCP		13.09865	9.07334		10.5529	18.51019
MCPMINSPOTPRICE - MCP min spot price		0.130986	0.362933		0.211057	0.925509
NETPOS - Net Position (MWh)	49250.14	49238.9	49271.72	49038.5	48811.21	49119.28
NETPOSMW - Net position per MW	10.52353	10.52113	10.52814	10.49625	10.50155	10.53158
NETREVENUE - Net Revenue $	885024.8	900550.2	986361.9	1067018	1120221	1162486
NETREVENUEUNHEDGED - Net Revenue without hedges	885024.8	900550.2	986361.9	1067018	1120221	1162486
NLGENERATION - Native Load Generation MWh	49248.25	49238.16	49271.57	49038.43	48811.21	49119.28
NWECOSTS - NWE Costs	-885025	-900550	-986362	-1067018	-1120221	-1162486

NWECOSTSMPS - NWE Costs w/ MPS	-885045	-900560	-986363	-1067019	-1120221	-1162486
OTHERMCPHOUR - Other MCP Hours		0.01	0.07		0.02	0.06
PORTFOLIOLOADNATIVE - Portfolio Load	905311.4	917610.3	946254.8	958962.7	972308.7	995214.9
TOTALGEN - All Generation	49250.14	49238.9	49271.72	49038.5	48811.21	49119.28
WINDGEN - Generation - Wind	49250.14	49238.9	49271.72	49038.5	48811.21	49119.28
WINDGROSSREVENUE - Gross Wind Revenue	885024.8	900550.2	986361.9	1067018	1120221	1162486
WINDNETREVENUE - Net Wind Revenue $	885024.8	900550.2	986361.9	1067018	1120221	1162486
Davison County Wind						
EXPORTGENERATION - Export generation	47229.38	47184.53	47185.87	46991.6	46812.49	47085.55
GROSSREVENUE - Gross Revenue, $	857504.1	870354.9	952543	1031016	1082413	1123379
MARKETSALES - Spot Sales $	0.056457					
MARKETSALESMW - Spot Sales	0.003133					
MARKETSALESMWH - Spot Sales MWh	0.003133					
MCP - MCP	19.88807				15.31847	24.43156
MCPMINSPOTPRICE - MCP min spot price	0.19888				0.459554	0.488631
NETPOS - Net Position (MWh)	47229.38	47184.53	47185.87	46991.6	46812.49	47085.55
NETPOSMW - Net position per MW	10.09175	10.08216	10.08245	10.05813	10.07153	10.09553
NETREVENUE - Net Revenue $	857504.1	870354.9	952543	1031016	1082413	1123379
NETREVENUEUNHEDGED - Net Revenue without hedges	857504.1	870354.9	952543	1031016	1082413	1123379
NLGENERATION - Native Load Generation MWh	47229.38	47184.53	47185.87	46991.6	46812.49	47085.55
NWECOSTS - NWE Costs	-857504	-870355	-952543	-1031016	-1082413	-1123379
NWECOSTSMPS - NWE Costs w/ MPS	-857504	-870355	-952543	-1031016	-1082413	-1123379
OTHERMCPHOUR - Other MCP Hours	0.02				0.03	0.02
PORTFOLIOLOADNATIVE - Portfolio Load	905235.5	915706.9	937709.2	958771.6	970354.9	987335.9
TOTALGEN - All Generation	47229.38	47184.53	47185.87	46991.6	46812.49	47085.55
WINDGEN - Generation - Wind	47229.38	47184.53	47185.87	46991.6	46812.49	47085.55
WINDGROSSREVENUE - Gross Wind Revenue	857504.1	870354.9	952543	1031016	1082413	1123379
WINDNETREVENUE - Net Wind Revenue $	857504.1	870354.9	952543	1031016	1082413	1123379
OakTree						
COSTTOSERVELOAD - Cost to Serve Load	2175235	2167724	2175597	2158999	2154707	2158380
COSTTOSERVELOADPMW - Cost to Serve Load PMW	11383.58	11108.78	10917.2	10659.5	10393.61	10206.59
EXPORTGENERATION - Export generation	42460.17	42313.57	42467.25	42143.25	42059.47	42131.16
GROSSREVENUE - Gross Revenue, $	747857.6	761498.4	839178.9	907222.3	957799	984847.3
NETPOS - Net Position (MWh)	42460.17	42313.57	42467.25	42143.25	42059.47	42131.16
NETPOSMW - Net position per MW	9.072686	9.041362	9.074198	9.020388	9.048939	9.033268

NETREVENUE - Net Revenue $	-1427377	-1406226	-1336418	-1251777	-1196908	-1173532
NETREVENUEUNHEDGED - Net Revenue without hedges	-1427377	-1406226	-1336418	-1251777	-1196908	-1173532
NLGENERATION - Native Load Generation MWh	42460.17	42313.57	42467.25	42143.25	42059.47	42131.16
NLGENERATIONCOST - Native Load Generation Costs	2175235	2167724	2175597	2158999	2154707	2158380
NWECOSTS - NWE Costs	1427377	1406226	1336418	1251777	1196908	1173532
NWECOSTSMPS - NWE Costs w/ MPS	1427377	1406226	1336418	1251777	1196908	1173532
PORTFOLIOLOADNATIVE - Portfolio Load	907754	927547.2	946079.2	958058.7	982512.6	992640.4
TOTALCOSTOFSUPPLY - Total Cost of Supply	2175235	2167724	2175597	2158999	2154707	2158380
TOTALCOSTS - Total Cost	2175235	2167724	2175597	2158999	2154707	2158380
TOTALGEN - All Generation	42460.17	42313.57	42467.25	42143.25	42059.47	42131.16
TOTALVARIABLECOST - Variable Costs $	2175235	2167724	2175597	2158999	2154707	2158380
WINDCOSTS - Wind Cost	2175235	2167724	2175597	2158999	2154707	2158380
WINDGEN - Generation - Wind	42460.17	42313.57	42467.25	42143.25	42059.47	42131.16
WINDGROSSREVENUE - Gross Wind Revenue	747857.6	761498.4	839178.9	907222.3	957799	984847.3
WINDNETREVENUE - Net Wind Revenue $	-1427377	-1406226	-1336418	-1251777	-1196908	-1173532
WINDTOTALCOST - Wind Total Costs	2175235	2167724	2175597	2158999	2154707	2158380
Titan						
COSTTOSERVELOAD - Cost to Serve Load	2881734	2937835	3024339	3085793	3152862	3240773
COSTTOSERVELOADPMW - Cost to Serve Load PMW	15320.5	15287.14	15416.5	15467.43	15439.85	15566
EXPORTGENERATION - Export generation	45849.82	45615.06	45792.61	45586.05	45463.78	45573.29
GROSSREVENUE - Gross Revenue, $	793929.4	810012.2	891557.8	965858.8	1019911	1049144
NETPOS - Net Position (MWh)	45849.82	45615.06	45792.61	45586.05	45463.78	45573.29
NETPOSMW - Net position per MW	9.79697	9.746806	9.784746	9.757287	9.781365	9.771288
NETREVENUE - Net Revenue $	-2105222	-2146336	-2150506	-2138148	-2153008	-2210743
NETREVENUEUNHEDGED - Net Revenue without hedges	-2105222	-2146336	-2150506	-2138148	-2153008	-2210743
NLGENERATION - Native Load Generation MWh	45572.16	45325.87	45523.52	45316.08	45173.88	45302.83
NLGENERATIONCOST - Native Load Generation Costs	2881734	2937835	3024339	3085793	3152862	3240773
NWECOSTS - NWE Costs	2105222	2146336	2150506	2138148	2153008	2210743
NWECOSTSMPS - NWE Costs w/ MPS	2105222	2146336	2150506	2138148	2153008	2210743
PORTFOLIOLOADNATIVE - Portfolio Load	908809.5	927265.7	949622.6	961447	976290.7	1003776
TOTALCOSTOFSUPPLY - Total Cost of Supply	2899151	2956348	3042064	3104007	3172919	3259887
TOTALCOSTS - Total Cost	2899151	2956348	3042064	3104007	3172919	3259887
TOTALGEN - All Generation	45849.82	45615.06	45792.61	45586.05	45463.78	45573.29
TOTALVARIABLECOST - Variable Costs $	2899151	2956348	3042064	3104007	3172919	3259887
WINDCOSTS - Wind Cost	2899151	2956348	3042064	3104007	3172919	3259887

WINDGEN - Generation - Wind	45849.82	45615.06	45792.61	45586.05	45463.78	45573.29
WINDGROSSREVENUE - Gross Wind Revenue	793929.4	810012.2	891557.8	965858.8	1019911	1049144
WINDNETREVENUE - Net Wind Revenue $	-2105222	-2146336	-2150506	-2138148	-2153008	-2210743
WINDTOTALCOST - Wind Total Costs	2899151	2956348	3042064	3104007	3172919	3259887
Wind Asset - Total						
COSTTOSERVELOAD - Cost to Serve Load	9878495	10141188	10481173	10772526	11075693	11426588
COSTTOSERVELOADPMW - Cost to Serve Load PMW	52129.14	52394.64	53037.1	53616.14	53869.34	54479.67
EXPORTGENERATION - Export generation	422245.5	421594.2	422040.3	420321.5	418944.5	420507.8
GROSSREVENUE - Gross Revenue, $	7564030	7708796	8444834	9151940	9616324	9956095
MARKETSALES - Spot Sales $	1232.702	810.4453	548.6524	410.9571	123.1094	44.27794
MARKETSALESMW - Spot Sales	0.839999	0.75661	0.628495	0.521822	0.305098	0.163673
MARKETSALESMWH - Spot Sales MWh	109.4518	60.64068	37.57461	25.04445	7.573508	3.070816
MCP - MCP	15.98293	14.73687	16.91933	17.12477	19.62364	18.88219
MCPMINSPOTPRICE - MCP min spot price	13.42566	12.67371	15.73498	12.15859	17.2688	18.31572
NETPOS - Net Position (MWh)	422245.5	421594.2	422040.3	420321.5	418944.5	420507.8
NETPOSMW - Net position per MW	90.2234	90.08424	90.17955	89.96607	90.13436	90.16033
NETREVENUE - Net Revenue $	-2358691	-2479171	-2083319	-1669510	-1511975	-1523123
NETREVENUEUNHEDGED - Net Revenue without hedges	-2358691	-2479171	-2083319	-1669510	-1511975	-1523123
NLGENERATION - Native Load Generation MWh	420803.4	420181.1	420683	418974.8	417580.5	419182.4
NLGENERATIONCOST - Native Load Generation Costs	9878495	10141188	10481173	10772526	11075693	11426588
NonZeroMCPHour - Market sales hours greater than colstrip price	0.04	0.01		0.03		
NWECOSTS - NWE Costs	2358691	2479171	2083319	1669510	1511975	1523123
NWECOSTSMPS - NWE Costs w/ MPS	2357459	2478360	2082771	1669099	1511852	1523079
OTHERMCPHOUR - Other MCP Hours	17.13	16.16	24.89	13.66	17.59	38.85
PORTFOLIOLOADNATIVE - Portfolio Load	6359316	6475831	6623585	6724481	6840940	6988350
TOTALCOSTOFSUPPLY - Total Cost of Supply	9922722	10187967	10528153	10821450	11128299	11479218
TOTALCOSTS - Total Cost	9922722	10187967	10528153	10821450	11128299	11479218
TOTALGEN - All Generation	422245.5	421594.2	422040.3	420321.5	418944.5	420507.8
TOTALVARIABLECOST - Variable Costs $	9922722	10187967	10528153	10821450	11128299	11479218
WINDCOSTS - Wind Cost	9922722	10187967	10528153	10821450	11128299	11479218
WINDGEN - Generation - Wind	422245.5	421594.2	422040.3	420321.5	418944.5	420507.8
WINDGROSSREVENUE - Gross Wind Revenue	7564030	7708796	8444834	9151940	9616324	9956095
WINDNETREVENUE - Net Wind Revenue $	-2358691	-2479171	-2083319	-1669510	-1511975	-1523123
WINDTOTALCOST - Wind Total Costs	9922722	10187967	10528153	10821450	11128299	11479218
zeroMCPHour - Market sales hours less than colstrip price	0.08	0.01	0.03			0.02

Total

Total - Total

Total - Total - Total

AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.12539	11.15328	11.07979	11.04012	11.02749	11.01493
CAPACITYFACTOR - Net Generation Capacity Factor	0.292559	0.283178	0.291809	0.316807	0.316646	0.313144
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.274321	0.266403	0.266872	0.302125	0.297604	0.286172
COSTOFSUPPLY - Cost of Supply	17005859	17544503	19553665	21607348	23082356	24453652
COSTTOSERVELOAD - Cost to Serve Load	20745536	21619325	22886086	23905368	25107119	26465433
COSTTOSERVELOADPMW - Cost to Serve Load PMW	106534.8	108687.2	112508.7	115782.8	118821.1	122577
EXPORTGENERATION - Export generation	-19386.7	-52851.2	-71276.9	-27200.3	-55770.5	-96040.5
FIXEDCOST - Fixed Cost	36730851	37465468	38214755	38805869	39486802	40415183
FO - Forced Outage Rate	0.034556	0.034249	0.034336	0.034573	0.034387	0.03435
FUELCONSUMED - Fuel Consumed	5240474	5101114	5070491	5712018	5589934	5388194
FUELCOST - Fuel Cost	4809913	5109175	5271332	6072944	6091037	6028809
FUELCOSTPMMBTU - Cost, $/mmBtu	2.15108	2.225043	2.36604	2.375182	2.479879	2.570125
FUELDELIVERYCOST - Fuel Delivery Cost	6473342	6245968	6735980	7510177	7792456	7838160
GASNLFUELCONSUMED - Native Load Gas Used	7376.014	6466.262	8677.471	10076.91	12053.3	13047.54
GENCAPACITY - Net Thermal Generation Capacity MWh	1610914	1616247	1571098	1635720	1603709	1564745
GENCAPACITYMW - Net Thermal Generation Capacity	344.2124	345.352	335.7047	350.1113	345.0322	335.4943
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1718028	1718028	1718028	1715091	1706281	1712154
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.1	367.1	367.1	367.1	367.1
GENERATION - Thermal Generation MWh	471292	457688.4	458494.8	518172.8	507797.6	489971.8
GENERATIONCOSTPMW - Generation Cost	1379.935	1419.352	1528.588	1635.18	1710.097	1663.541
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	25.03637	25.95499	27.39234	27.42915	28.57285	29.57737
GENERATIONCOSTS - Thermal Generation Costs	12205713	12318633	12990793	14667249	14982521	14936133
GENERATIONGROSSREVENUE - Gross Generation Revenue	10226065	10187616	11516085	13866515	14388851	14366981
GENERATIONLOAD - Load @ Generation	912924.2	932133.8	951812	965694.6	982512.6	1006520
GENERATIONNETREVENUE - Net Revenue Generation	-1979649	-2131017	-1474708	-800734	-593670	-569152
GROSSREVENUE - Gross Revenue, $	17790095	17896412	19960919	23018455	24005175	24323076
HOURSRUN - Runtime Hours	20496.08	19468.87	18284.1	19238.43	18726.61	18017.19
MARKETGENERATIONCOST - Market Sales Generation Costs	2815721	2676702	2833473	3514089	3383670	2918008
MARKETPRICE - Market Price $/Unit	13.74563	13.96959	15.15375	16.41324	18.95097	19.5524
MARKETPURCHASES - Spot Purchases $	1877188	2277259	2689159	2435276	2905410	3465235
MARKETPURCHASESHOURS - Market Purchase Flag	2590.91	2839.82	2982.04	2671.92	2815.68	3052.76
MARKETPURCHASESMAX - Max Spot Purchases	182.0963	187.056	197.1548	193.4362	203.2235	209.4667

MARKETPURCHASESMW - Spot Purchases	3.187691	3.492351	3.75355	3.590118	3.884756	4.069983
MARKETPURCHASESMWH - Spot Purchases MWh	125839.8	150681.4	170453.6	146264.4	166790	188762
MARKETSALES - Spot Sales $	2724842	2697674	3145039	3910507	3891685	3389989
MARKETSALESMW - Spot Sales	12.85339	12.56465	13.27849	12.94587	12.97477	12.25583
MARKETSALESMWH - Spot Sales MWh	105120.5	96477.72	97856.94	117742.4	109663.1	91399.05
MCP - MCP	24.75041	23.88176	26.50751	29.61243	30.89157	30.60265
MCPMINSPOTPRICE - MCP min spot price	23.19607	22.5835	25.61883	28.36325	30.08066	29.92634
NETPOS - Net Position (MWh)	-19386.7	-52851.2	-71276.9	-27200.3	-55770.5	-96040.5
NETPOSMW - Net position per MW	-4.14245	-11.293	-15.2301	-5.82199	-11.9988	-20.5919
NETREVENUE - Net Revenue $	-6.1E+07	-6.2E+07	-6.4E+07	-6.6E+07	-6.8E+07	-7E+07
NETREVENUEPMW - Net Revenue $/MWh	-66.5801	-66.7848	-67.1634	-68.1559	-68.7462	-69.2743
NETREVENUEUNHEDGED - Net Revenue without hedges	-6.1E+07	-6.2E+07	-6.4E+07	-6.6E+07	-6.8E+07	-7E+07
NLGENERATION - Native Load Generation MWh	787084.3	781452.4	781358.4	819430.2	815722.6	817758.2
NLGENERATIONCOST - Native Load Generation Costs	18868347	19342066	20196927	21470091	22201709	23000198
NWECOSTS - NWE Costs	58075050	59620159	61326447	62883460	64674803	66961110
NWECOSTSMPS - NWE Costs w/ MPS	57227397	59199744	60870566	61408229	63688527	67036356
PO - Planned Outage Rate	0.016013	0.010953	0.024264	0.005684	0.010209	0.028611
PORTFOLIOLOADNATIVE - Portfolio Load	9643803	9863080	9986462	10291293	10424929	10508083
STARTS - Number Starts	46.41	49.35	48.26	50.37	51	47.46
STARTUPCOST - StartupCost	401368.2	442563.1	443469.5	457642	475005.6	446598.1
TOTALCOSTOFSUPPLY - Total Cost of Supply	78568892	80145026	83885600	88832588	91544939	94046874
TOTALCOSTS - Total Cost	41838040	42679557	45670845	50026720	52058137	53631692
TOTALFUELCOST - Total Fuel Cost	11283255	11355143	12007312	13583121	13883493	13866969
TOTALGEN - All Generation	893537.5	879282.6	880535.1	938494.2	926742.1	910479.6
TOTALSTARTUPCOST - TotalStartupCost	401368.2	442563.1	443469.5	457642	475005.6	446598.1
TOTALVARIABLECOST - Variable Costs $	41838040	42679557	45670845	50026720	52058137	53631692
VOMCOSTS - VOM Costs	521089.8	520926.3	540011.1	626486.5	624022	622566.4
WINDCOSTS - Wind Cost	9922722	10187967	10528153	10821450	11128299	11479218
WINDGEN - Generation - Wind	422245.5	421594.2	422040.3	420321.5	418944.5	420507.8
WINDGROSSREVENUE - Gross Wind Revenue	7564030	7708796	8444834	9151940	9616324	9956095
WINDNETREVENUE - Net Wind Revenue $	-2358691	-2479171	-2083319	-1669510	-1511975	-1523123
WINDTOTALCOST - Wind Total Costs	9922722	10187967	10528153	10821450	11128299	11479218

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2023-01	2024-01	2025-01	2026-01	2027-01	2028-01	2029-01	2030-01	2031-01	2032-01	2033-01	2034-01	2035-01
41364880	42148571	43036046	43746694	44468525	45778678	46583601	47515273	48465549	49046680	50251200	51168086	
-4.1E+07	-4.2E+07	-4.3E+07	-4.4E+07	-4.4E+07	-4.6E+07	-4.7E+07	-4.8E+07	-4.8E+07	-4.9E+07	-5E+07	-5.1E+07	
-4.1E+07	-4.2E+07	-4.3E+07	-4.4E+07	-4.4E+07	-4.6E+07	-4.7E+07	-4.8E+07	-4.8E+07	-4.9E+07	-5E+07	-5.1E+07	
41364880	42148571	43036046	43746694	44468525	45778678	46583601	47515273	48465549	49046680	50251200	51168086	
41364880	42148571	43036046	43746694	44468525	45778678	46583601	47515273	48465549	49046680	50251200	51168086	
41364880	42148571	43036046	43746694	44468525	45778678	46583601	47515273	48465549	49046680	50251200	51168086	
25.09703	26.23896	27.47432	28.02962	28.0712	28.35344	28.58886	29.07328	29.82086	31.2339	32.18064	33.13541	33.85205
21.96286	22.40211	22.85016	23.30716	23.77328	24.24872	24.73373	25.22844	25.73295	26.24762	26.77258	20.77578	20.68052
24.97332	26.11703	27.35226	27.90598	27.9455	28.22908	28.46418	28.94841	29.69634	31.10947	32.05626	33.00993	33.72525
25.06848	26.21083	27.44615	28.00109	28.04219	28.32474	28.56009	29.04447	29.79212	31.20519	32.15194	33.10646	33.82279
24.35477	25.50737	26.742	27.2878	27.31701	27.60725	27.84076	28.32407	29.07377	30.48728	31.43432	32.38251	33.09122
24.63074	25.77937	27.01427	27.5636	27.59742	27.88468	28.1189	28.60263	29.35153	30.76487	31.7118	32.66244	33.37409
25.04945	26.19207	27.42737	27.98207	28.02285	28.30561	28.54091	29.02526	29.77297	31.18604	32.1328	33.08715	33.80328
25.08751	26.22958	27.46493	28.02011	28.06153	28.34388	28.57927	29.06368	29.81128	31.22433	32.17107	33.12576	33.8423

20.23672	20.64146	21.05429	21.47537	21.90488	22.34298	22.78984	23.24563	23.71055	24.18476	24.66845	25.16182	25.66506
1.09	1.11	1.15	1.18	1.22	1.25	1.3	1.35	1.4	1.44	1.5	1.55	1.59
24.79251	25.93882	27.17388	27.72528	27.76179	28.04731	28.28195	28.76591	29.51436	30.92759	31.87446	32.82653	33.53991
4.745641	4.968255	5.207211	5.299205	5.293138	5.364354	5.418123	5.514139	5.650914	5.902175	6.088368	6.283255	6.428366
20.59075	21.44466	22.36307	22.81477	22.91757	23.19184	23.43472	23.84883	24.44397	25.49277	26.22856	26.42559	26.95124
20.59075	21.44466	22.36307	22.81477	22.91757	23.19184	23.43472	23.84883	24.44397	25.49277	26.22856	26.42559	26.95124
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												0.001677
												0.001648
												2029.287
												6.1571
												173.6
0.030345	0.029489	0.030118	0.030481	0.029918	0.029603	0.029537	0.030323	0.030227	0.030487	0.029849	0.030012	0.02962
												2411.998
												61904.08
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102118.3	102363.1	102133.1	101752.7	101456.8	102703.3	102186.5	102111.8	102118.7	101566.1	101809.4	102150	102173
21.82014	21.83513	21.82332	21.81661	21.82805	21.83318	21.83471	21.81875	21.82024	21.81403	21.82876	21.82692	21.83183
105300	105480	105300	104940	104580	105840	105300	105300	105300	104760	104940	105300	105300
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
												173.6
												72.55578
												34.56343
												66013.33
												83848.77
												17835.43

												83848.77
31.47	58.48	69.46	34.96	54.94	37.14	52.04	46.16	62.15	90.78	80.5	88.95	103.97
												63984.05
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9.324809	9.136429	9.042239	9.230619	9.136429	9.042239	9.324809	9.324809	9.418999	9.230619	9.324809	9.136429	8.665479
0.028855	0.030285	0.031211	0.0282	0.028674	0.030124	0.026854	0.029256	0.028621	0.029135	0.032166	0.029877	0.056947
0.028017	0.02937	0.030316	0.027324	0.027777	0.02923	0.026047	0.028416	0.027779	0.028271	0.031213	0.028982	0.055177
69524.59	75635.36	96997.37	90885.29	108122.1	128887.2	121839.8	139420.9	159251.1	172277.6	208091.5	222629.3	435179.7
261.9698	277.3305	354.6801	319.314	380.1993	451.0751	415.4999	461.8181	526.5978	564.4202	664.9535	710.8336	1405.89
7604.96	7986.02	8229.04	7391.52	7488.38	7975	7070.2	7713.42	7540.58	7634.54	8443.64	7867.12	14977.34

0.030399	0.030261	0.029846	0.030069	0.030201	0.030604	0.029156	0.029643	0.029639	0.02996	0.03021	0.030259	0.029694
71631.12	75220.32	77509.33	69620.73	70533.05	75116.53	66594.21	72652.7	71024.72	71909.73	79530.65	74100.4	141071.6
314784.6	346806.6	387875.9	338188.7	350653.3	377108.6	330561.3	370263.7	371152.2	386181.2	456947.6	432968.9	1260601
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13183.06	13542.69	16171.57	15493.85	18094.88	21409.16	20425.63	22747.99	25275.23	26906.89	30175.06	31741.59	46937.65
263208.1	263681.9	263350.7	262368.2	261445.4	264516	263530.5	263396.6	263397.7	261966.9	262354.3	263249.2	263382.6
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271440	271904	271440	270512	269584	272832	271440	271440	271440	270048	270512	271440	271440
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7604.96	7986.02	8229.04	7391.52	7488.38	7975	7070.2	7713.42	7540.58	7634.54	8443.64	7867.12	14977.34
278.6452	295.846	302.2422	314.3235	313.0526	313.6146	318.9794	325.8656	342.3062	336.4022	352.1611	356.2006	326.5166
48.75815	49.97506	52.00703	53.15498	53.54511	53.5779	55.16405	56.56973	58.66778	59.20137	62.2705	63.27452	68.97009
376995.2	413565	457911	402428.5	417098.3	449239.3	395961.1	442877.2	443503.4	460970.1	541242.2	513480.1	1415016
447275.5	493262.2	548332.1	475502.3	493493.1	530368.9	466427.2	523719.8	525051.8	547427.7	644074.5	607404.3	2186627
70280.33	79697.26	90421.13	73073.87	76394.73	81129.57	70466.12	80842.61	81548.41	86457.57	102832.3	93924.13	771610.7
447275.5	493262.2	548332.1	475502.3	493493.1	530368.9	466427.2	523719.8	525051.8	547427.7	644074.5	607404.3	2186627
2115.86	2114.68	2010.25	2152.38	1955.63	2104.72	2075.13	2024.96	1969.72	1940.34	1890.57	1826.41	1949
307470.6	337929.6	360913.6	311543.2	308976.2	320352.1	274121.3	303451.4	284252.3	288692.5	333150.7	290850.8	979836.8
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48.23132	50.31643	51.53025	53.82177	54.82929	54.9289	57.18292	57.97651	60.48531	60.86891	65.17922	64.11916	71.51241
7604.96	7986.02	8229.04	7391.52	7488.38	7975	7070.2	7713.42	7540.58	7634.54	8443.64	7867.12	14977.34
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70280.33	79697.26	90421.13	73073.87	76394.73	81129.57	70466.12	80842.61	81548.41	86457.57	102832.3	93924.13	771610.7
70280.33	79697.26	90421.13	73073.87	76394.73	81129.57	70466.12	80842.61	81548.41	86457.57	102832.3	93924.13	771610.7
1399.624	1437.805	1716.91	1644.957	1921.104	2272.976	2168.556	2415.117	2683.43	2856.661	3203.637	3369.953	4983.295
69524.59	75635.36	96997.37	90885.29	108122.1	128887.2	121839.8	139420.9	159251.1	172277.6	208091.5	222629.3	435179.7
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8.14	7.65	9.22	10.62	11.98	15.17	15.35	15.31	18.84	19.38	22.47	26.06	29.06
32501.84	34654.21	36614.96	33621.46	34463.47	37026.16	33525.86	37125.75	37007.76	37848.78	42468.67	40070.74	72707.95
2.53	2.96	2.64	2.66	2.84	2.82	2.83	2.77	2.67	2.82	3.01	3.51	3.08

1066.673	1272.948	1158.036	1190.137	1296.091	1312.71	1343.712	1341.511	1318.953	1420.913	1546.959	1840.012	1646.907
376995.2	413565	457911	402428.5	417098.3	449239.3	395961.1	442877.2	443503.4	460970.1	541242.2	513480.1	1415016
376995.2	413565	457911	402428.5	417098.3	449239.3	395961.1	442877.2	443503.4	460970.1	541242.2	513480.1	1415016
314784.6	346806.6	387875.9	338188.7	350653.3	377108.6	330561.3	370263.7	371152.2	386181.2	456947.6	432968.9	1260601
7604.96	7986.02	8229.04	7391.52	7488.38	7975	7070.2	7713.42	7540.58	7634.54	8443.64	7867.12	14977.34
1066.673	1272.948	1158.036	1190.137	1296.091	1312.71	1343.712	1341.511	1318.953	1420.913	1546.959	1840.012	1646.907
376995.2	413565	457911	402428.5	417098.3	449239.3	395961.1	442877.2	443503.4	460970.1	541242.2	513480.1	1415016
61143.88	65485.36	68877.06	63049.67	65148.91	70818	64056.01	71272	71032.26	73367.93	82747.67	78671.2	152768.9
1.09	0.88	0.58	1.23	1.4	1.52	1.48	2.84	2.63	2.81	2.37	2.49	5.49
11.04202	11.0511	11.03544	11.01529	11.04747	11.04091	11.05229	11.06251	11.05248	11.01018	11.01953	11.0078	11.13483
0.575066	0.57113	0.579302	0.587913	0.574155	0.577332	0.568317	0.56459	0.566971	0.589026	0.587085	0.591783	0.555602
0.489533	0.551097	0.536386	0.544481	0.553279	0.491256	0.526835	0.544465	0.525061	0.502484	0.566461	0.546681	0.535652
5775747	6753706	7074166	7192644	7849289	7444838	8116165	8718976	8806432	8534012	9815563	9881850	10070678
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254302.7	286773.4	278641.9	281880.5	285452.1	256506.6	273680.3	282838.9	272758.9	259692.2	293259.6	283990	278260.7
0.035578	0.035282	0.036413	0.035757	0.036349	0.035954	0.035262	0.035687	0.036228	0.036159	0.035291	0.035531	0.036153
2804340	3165077	3070528	3101463	3148795	2827356	3022161	3125660	3012267	2856434	3227618	3122085	3080130
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4757843	5558825	5453871	5593489	5746866	5228913	5643281	5866864	5701921	5464645	6202513	6052474	6073400
442071.9	502018.6	481006.3	479478.9	497187.9	444173.2	481595.7	500955.2	481081.8	440879.8	499477.8	479752	500709.9
94.45981	107.0859	102.7791	102.8042	106.9681	94.42457	102.9051	107.0417	102.7953	94.69068	107.0922	102.5111	106.9893
519480	520368	519480	517704	515928	522144	519480	519480	519480	516816	517704	519480	519480
111	111	111	111	111	111	111	111	111	111	111	111	111
254302.7	286773.4	278641.9	281880.5	285452.1	256506.6	273680.3	282838.9	272758.9	259692.2	293259.6	283990	278260.7
361.363	405.0615	413.5373	421.2106	430.1053	401.8111	448.7167	456.5225	466.5202	433.79	482.462	492.1993	509.0045
32.31887	33.25943	33.90238	34.50362	35.31005	35.93386	36.75007	37.46808	38.21386	38.76548	39.58109	40.31769	41.61825
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3982.44	4522.69	4333.39	4319.63	4479.17	4001.49	4338.7	4513.11	4334.07	3971.89	4499.8	4322.09	4510.9
2431763	2780982	2372386	2530620	2230543	1764771	1936503	1879059	1610421	1529764	1787136	1560434	1479620
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24.013	24.73566	25.26011	26.17366	26.19883	26.50616	27.05714	27.1643	27.81943	29.31844	29.55716	30.57376	25.37745
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254302.7	286773.4	278641.9	281880.5	285452.1	256506.6	273680.3	282838.9	272758.9	259692.2	293259.6	283990	278260.7
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5775747	6753706	7074166	7192644	7849289	7444838	8116165	8718976	8806432	8534012	9815563	9881850	10070678
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9758682	11280358	11150875	11445496	11821342	10780619	11735333	12333872	12102308	11658443	13398565	13190922	13273155
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7815884	9081586	8997938	9260980	9603128	8770983	9576464	10097411	9923160	9583346	11051371	10897023	11005353
254302.7	286773.4	278641.9	281880.5	285452.1	256506.6	273680.3	282838.9	272758.9	259692.2	293259.6	283990	278260.7
85344	91283.91	99358	101096.7	95634.26	93150.12	102982.5	102053.4	110943	101608.4	108789.8	116724.3	112872.6
9758682	11280358	11150875	11445496	11821342	10780619	11735333	12333872	12102308	11658443	13398565	13190922	13273155
391626.2	453102	448613.4	462284	476705.1	438626.2	476203.7	500624.9	493693.5	480430.6	551328	545260.8	544945.8
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7636.737

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0.679894	0.688088	0.710522	0.705349	0.693074	0.701752	0.692371	0.683682	0.691565	0.703556	0.705406	0.715981	0.603686
0.611999	0.621122	0.577244	0.640968	0.625792	0.567167	0.618977	0.617167	0.628353	0.634625	0.629558	0.637771	0.576007
3133703	3244552	3066266	3462086	3451472	3215584	3573804	3639508	3773221	3849340	3906009	4039604	3828514
14283.06	14554.06	13249.77	14941.2	14635.5	13198.71	14614.12	14632.79	14936.91	15065.77	15013.61	15277.32	14344.37
123158.7	125208.3	116164.6	128547.6	125073.5	114722.1	124563	124198.8	126450	127057.1	126259.3	128345.1	115915.7
0.046009	0.046891	0.047297	0.047385	0.046676	0.046478	0.04571	0.047083	0.047311	0.04679	0.047073	0.045872	0.0461
1414160	1434987	1325579	1468085	1431919	1311574	1426719	1424833	1448070	1451365	1442292	1463498	1355108
1541848	1595821	1528593	1735024	1752652	1642762	1855494	1928057	2028887	2091325	2165923	2270392	2169317
2.139727	2.178184	2.22448	2.267401	2.314935	2.354646	2.407741	2.452108	2.502898	2.546568	2.598906	2.649018	2.706782
1483595	1532423	1423805	1596249	1567379	1448371	1579948	1570023	1596063	1606080	1585223	1609116	1512301
181165.5	181949.8	163507.5	182224.1	180459	163496.3	179886.6	181655.7	182843.7	180571.2	178979.8	179237.8	191973.9
38.71057	38.81181	34.9375	39.07035	38.82508	34.75687	38.43731	38.81531	39.06918	38.78247	38.37473	38.29867	41.02007
201240	201584	201240	200552	199864	202272	201240	201240	201240	200208	200552	201240	201240
43	43	43	43	43	43	43	43	43	43	43	43	43
123158.7	125208.3	116164.6	128547.6	125073.5	114722.1	124563	124198.8	126450	127057.1	126259.3	128345.1	115915.7
316.9653	322.2279	300.9277	334.194	342.0525	318.9154	355.8164	363.3921	370.5553	376.0714	384.0117	390.6238	412.3661
25.61092	26.03109	26.48165	27.00856	27.63838	28.08615	28.74	29.31903	29.87938	30.32721	30.97033	31.51468	33.198
3216506	3325650	3141338	3542884	3529602	3286477	3651040	3718910	3855653	3932035	3988436	4122106	3902241
3512230	3741322	3703519	4071033	3994871	3770139	4045458	4123738	4299202	4500252	4637098	4829620	5236895
295724	415671.1	562181.3	528148.3	465269.3	483661.7	394417.5	404828.7	443548.6	568217.2	648661.8	707513.4	1334654
3512230	3741322	3703519	4071033	3994871	3770139	4045458	4123738	4299202	4500252	4637098	4829620	5236895
4212.72	4230.92	3802.04	4237.77	4196.72	3801.96	4182.98	4223.49	4251.47	4199.33	4162.32	4168.32	4464.51
14898.48	12656.53	8104.41	6732.515	4889.207	2890.365	2394.67	1400.401	939.4592	533.7773	436.5681	335.3423	315.9958
16707.59	14417.53	9803.152	8298.911	5689.987	3519.192	2894.48	1734.952	1144.298	630.0327	507.3185	406.5804	680.643
10.29833	9.810731	9.505341	8.768229	8.274399	6.985944	7.136287	5.781526	4.383945	3.866459	3.665904	2.644929	2.904878
599.6283	497.2347	313.75	256.6802	182.22	106.36	86.12227	49.20779	32.67005	18.34379	14.44072	10.9501	10.00593
23.0696	25.47142	25.85295	26.10079	25.21147	25.61161	23.94291	27.77338	28.79125	27.60343	28.59477	30.79777	28.58133
22.22904	24.1695	25.39756	25.83188	24.87485	25.52858	23.88803	27.62959	28.70872	27.58272	28.21645	30.79077	28.29252
123158.7	125208.3	116164.6	128547.6	125073.5	114722.1	124563	124198.8	126450	127057.1	126259.3	128345.1	115915.7
26.31596	26.70826	24.8215	27.56166	26.9091	24.38821	26.61602	26.53821	27.01922	27.28889	27.07103	27.42417	24.76831
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122559.1	124711.1	115850.9	128290.9	124891.3	114615.8	124476.9	124149.6	126417.3	127038.7	126244.8	128334.2	115905.7
3133703	3244552	3066266	3462086	3451472	3215584	3573804	3639508	3773221	3849340	3906009	4039604	3828514
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109.51	35.02	54.95	65.9	52.1	110	143.04	44.49	67.13	117.32	42.02	65.45	38.65
0.054785	0.052071	0.143939	0.043634	0.05095	0.15426	0.060958	0.052057	0.044972	0.05092	0.061817	0.064993	
891102	908326.6	848806	944810.1	952285.5	894809.5	987003.3	1012777	1034966	1032332	1046285	1068359	1161230
16.89	16.69	16.01	17.36	16.83	15.32	16.53	16.89	17.3	17.1	16.73	16.44	14.4
67904.54	68442.35	66967	74066.09	73240.96	68003.03	74841.56	78000.89	81492.17	82161.05	81991.05	82167.12	73410.62
3955688	4075718	3834218	4310252	4278066	3972037	4396786	4463670	4612559	4690664	4742322	4887077	4610556
3955688	4075718	3834218	4310252	4278066	3972037	4396786	4463670	4612559	4690664	4742322	4887077	4610556
3025443	3128244	2952398	3331272	3320031	3091133	3435443	3498080	3624950	3697406	3751146	3879508	3681617
123158.7	125208.3	116164.6	128547.6	125073.5	114722.1	124563	124198.8	126450	127057.1	126259.3	128345.1	115915.7
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123158.7	128964.6	121972.9	137545.9	136330.1	127341.6	140756.2	142828.6	149210.9	152468.5	155298.9	160431.4	147212.9
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												1.2
												0.001364
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												18.51
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												277.65
												7125.903
												2.175708
												425.1654
13604.43	13652.22	13634.88	13587.69	13538.37	13679.43	13613.4	13631.55	13633.47	13558.17	13558.68	13600.59	13615.83
2.906929	2.912162	2.913435	2.913312	2.91273	2.908042	2.908846	2.912724	2.913134	2.911978	2.907092	2.906108	2.909365
14040	14064	14040	13992	13944	14112	14040	14040	14040	13968	13992	14040	14040
3	3	3	3	3	3	3	3	3	3	3	3	3
												18.51

												73.43016
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												9566.385
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												0.003955
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												7551.069
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12.68646	12.83001	12.14356	12.68726	12.55416	12.53873	13.09962	13.533	13.24504	13.2573	12.67799	12.39529	12.73444
0.006996	0.007357	0.007436	0.006276	0.006501	0.006637	0.005996	0.006778	0.006602	0.00675	0.007407	0.006366	0.023546
0.006785	0.007133	0.007213	0.006105	0.006305	0.00644	0.005822	0.00657	0.006407	0.00656	0.007201	0.006173	0.022814
4854.797	6418.186	8438.921	6842.521	10866.9	12894.27	11371.66	17540.77	17483.6	22424.17	27808.5	28416.37	79547.65

17.63822	22.53401	29.20689	23.25243	36.32159	44.1678	37.28896	55.92374	53.89663	69.9817	84.65898	85.23912	248.9724
1587.7	1672.1	1688	1423.8	1465.4	1514.8	1362.4	1537.5	1499.3	1527.3	1679.3	1444.7	5338.5
0.029796	0.030156	0.029877	0.029807	0.029172	0.030023	0.029345	0.029991	0.030013	0.029822	0.029692	0.029887	0.02938
22435.7	23642.5	23892.4	20130.6	20733.4	21410	19241.6	21743.1	21196.9	21612.9	23730.1	20422.3	76588.5
91172.32	100651.6	110503.9	89569.94	95097.1	99343.77	88723.14	102534.7	103774	107769.4	127737.4	112587.7	731967.9
3.634554	3.851373	3.944348	4.042771	4.068837	4.168548	4.296505	4.567278	4.652818	4.680917	4.744461	4.847253	5.860653
1156.032	1398.424	1679.299	1404.403	2241.298	2625.827	2303.451	3503.129	3364.15	4327.47	4901.192	4892.581	10846.46
227065	227295.2	226999	226194.3	225482	228156.1	227139.9	226964.7	226955.1	225843.5	226306.1	227081.5	227067.2
48.51816	48.48447	48.50406	48.49792	48.51162	48.50257	48.53417	48.49673	48.49468	48.50591	48.52189	48.52169	48.51863
234000	234400	234000	233200	232400	235200	234000	234000	234000	232800	233200	234000	234000
50	50	50	50	50	50	50	50	50	50	50	50	50
1587.7	1672.1	1688	1423.8	1465.4	1514.8	1362.4	1537.5	1499.3	1527.3	1679.3	1444.7	5338.5
283.9432	284.1046	298.5958	286.8197	298.3456	306.8484	299.6492	316.1576	329.0433	328.2723	361.4489	328.1213	449.1261
51.71349	54.81092	56.06067	57.41513	57.90331	59.13174	61.07962	65.08506	66.2819	66.66726	67.3931	68.83515	83.66278
91613.21	101263.2	111118.9	90041.45	95597.24	99867.1	89247.23	103127.7	104273.7	108262.5	128413.2	113288	733939.9
105139.8	117333.8	128939.1	103412.8	110370.5	114251.2	101634.6	118608.8	119721.5	126393.7	148305.8	130796.4	1089531
13526.56	16070.63	17820.17	13371.35	14773.24	14384.12	12387.34	15481.13	15447.84	18131.23	19892.52	17508.4	355590.8
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2450.15	2508.89	2409.99	2559.2	2422.89	2602.29	2660.19	2572.15	2516.65	2361.21	2387.44	2171.56	2914.68
86758.42	94845	102680	83198.92	84730.34	86972.83	77875.57	85586.94	86790.09	85838.29	100604.7	84871.6	654392.3
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20.23305	20.45394	19.46072	20.02174	19.25412	19.18594	20.15226	20.72337	20.23097	19.97651	19.07687	18.38505	18.98945
1505.356	1572.557	1568.632	1323.778	1306.207	1327.848	1198.547	1288.941	1260.093	1220.15	1331.318	1097.873	4571.477
59.3752	63.38921	69.58527	68.15683	69.45516	69.88269	71.44898	75.12648	75.53157	74.45322	82.8671	86.00279	98.49641
35.58223	37.24957	43.05429	47.00877	48.49563	50.8884	53.4562	55.88445	52.00607	60.99905	66.12473	66.6218	78.37929
1587.7	1672.1	1688	1423.8	1465.4	1514.8	1362.4	1537.5	1499.3	1527.3	1679.3	1444.7	5338.5
0.339252	0.356676	0.360683	0.305274	0.315275	0.322023	0.291111	0.328525	0.320363	0.328028	0.360055	0.308696	1.140705
13526.56	16070.63	17820.17	13371.35	14773.24	14384.12	12387.34	15481.13	15447.84	18131.23	19892.52	17508.4	355590.8
13526.56	16070.63	17820.17	13371.35	14773.24	14384.12	12387.34	15481.13	15447.84	18131.23	19892.52	17508.4	355590.8
82.34362	99.54292	119.3684	100.022	159.1933	186.9524	163.8526	248.5591	239.2067	307.1501	347.9815	346.8271	767.023
4854.797	6418.186	8438.921	6842.521	10866.9	12894.27	11371.66	17540.77	17483.6	22424.17	27808.5	28416.37	79547.65
21.8	23.19	23.73	19.18	20.15	20.4	18.75	20.55	19.41	19.25	20.67	17.71	70.7
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0.54	0.54	0.7	0.75	1.2	1.21	1.17	2.27	1.85	2.53	2.55	3.22	4.99

11379.75	12289.4	12856.55	10850.02	11405.92	11702.34	10717.36	12538.8	12407.84	12961.93	14265.54	12432.47	49149.63
0.73	0.99	0.92	0.7	0.75	0.76	0.78	0.83	0.69	0.65	0.93	0.95	1.45
361.203	520.712	510.892	391.225	410.118	437.485	451.85	497.013	406.659	387.743	573.201	606.641	1071.913
91613.21	101263.2	111118.9	90041.45	95597.24	99867.1	89247.23	103127.7	104273.7	108262.5	128413.2	113288	733939.9
91613.21	101263.2	111118.9	90041.45	95597.24	99867.1	89247.23	103127.7	104273.7	108262.5	128413.2	113288	733939.9
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1587.7	1672.1	1688	1423.8	1465.4	1514.8	1362.4	1537.5	1499.3	1527.3	1679.3	1444.7	5338.5
361.203	520.712	510.892	391.225	410.118	437.485	451.85	497.013	406.659	387.743	573.201	606.641	1071.913
91613.21	101263.2	111118.9	90041.45	95597.24	99867.1	89247.23	103127.7	104273.7	108262.5	128413.2	113288	733939.9
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												0.001374
												0.001331
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												24.92
0.02917	0.030072	0.030213	0.029907	0.030655	0.028784	0.030141	0.030731	0.030322	0.030581	0.029084	0.029209	0.02941
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18171.56	18187.04	18152.48	18097.16	18020.6	18272.6	18155.24	18142.8	18150.44	18053.64	18112.28	18170.92	18166.36
3.882811	3.879488	3.878735	3.88018	3.877065	3.884481	3.879324	3.876666	3.878299	3.8775	3.883421	3.882675	3.8817
18720	18752	18720	18656	18592	18816	18720	18720	18720	18624	18656	18720	18720
4	4	4	4	4	4	4	4	4	4	4	4	4
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													12782.03
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													1765.74
													1.5
													10177.44
													10177.44
													10177.44
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													10177.44
10.38567	10.38004	10.3859	10.36493	10.38164	10.40695	10.40439	10.40735	10.39465	10.37099	10.37104	10.36177	10.56637	
0.471849	0.474707	0.474896	0.481852	0.481052	0.462112	0.456605	0.454668	0.460037	0.475037	0.48036	0.488248	0.419511	
0.435851	0.438933	0.439179	0.445107	0.396271	0.427083	0.422403	0.420045	0.425219	0.437092	0.442558	0.451314	0.396017	
3217888	3386880	3576782	3679548	3370994	3771977	3806932	3874799	4007079	4169593	4323762	4510501	4098549	
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119531.3	120582.3	120444.1	121652.6	107933.6	117727.5	115843.3	115196.7	116615.6	119257	120955.8	123772.2	108607.1	
0.057492	0.056615	0.056944	0.057362	0.056723	0.057059	0.056196	0.057076	0.056815	0.057221	0.056823	0.057014	0.05683	
1238102	1248518	1246834	1257733	1116199	1221032	1202836	1196172	1210144	1234300	1251044	1278961	1133073	
1351363	1391164	1443352	1490628	1371014	1532543	1566720	1622172	1696498	1782078	1882140	1986312	1822721	
2.723258	2.819556	2.93733	2.994803	3.057078	3.111855	3.179578	3.239283	3.305998	3.365681	3.434179	3.500983	3.576254	
2020830	2133717	2227718	2281779	2049341	2271731	2259767	2259209	2304961	2376274	2419645	2495509	2248810	

253286.2	253966	253416.3	252384.3	224331.3	254698.5	253628.4	253346	253463.8	251065.3	251693.4	253454.4	258675
54.12098	54.17362	54.14878	54.11328	48.26406	54.14508	54.19411	54.13375	54.15892	53.92295	53.96515	54.15692	55.27245
274248	274716.8	274248	273310.4	272372.8	275654.4	274248	274248	274248	272841.6	273310.4	274248	274248
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
119531.3	120582.3	120444.1	121652.6	107933.6	117727.5	115843.3	115196.7	116615.6	119257	120955.8	123772.2	108607.1
392.5633	403.3734	421.2991	428.4418	403.1946	450.9479	457.0868	469.1953	476.4287	483.4923	494.7438	500.6871	538.0414
28.7934	29.7847	31.03095	31.57686	32.28047	32.94136	33.66078	34.2977	34.96488	35.51204	36.23177	36.9133	38.42081
3759791	3916848	4071513	4182020	3793404	4239493	4251459	4323922	4450716	4616665	4774057	4961725	4545042
3820753	4036929	4257506	4337337	3945513	4296689	4224117	4313803	4458398	4739179	5001893	5208461	5943442
60962.22	120081.1	185993.3	155316.6	152109.5	57196.45	-27342.2	-10119	7681.67	122514.3	227835.7	246735.7	1398400
3820753	4036929	4257506	4337337	3945513	4296689	4224117	4313803	4458398	4739179	5001893	5208461	5943442
4321.35	4333.67	4324.5	4306.76	3827.96	4344.94	4327.98	4323.19	4325.3	4284.2	4293.92	4323.94	4414.25
215266.1	200704.8	158123.6	158552.2	108724.6	98223.41	86745.07	74548.24	64348.67	61505.14	53016.02	50534.39	43576.81
256625.4	241676.8	192653.9	188936.2	131113.4	120278.7	104794.6	91664.56	78629.09	74709.26	67183.92	64049.23	106067.5
20.94517	20.93072	20.28876	20.32734	19.61937	18.84627	19.13438	18.79269	17.90736	17.80668	16.85515	16.75069	12.92225
7666.403	6889.429	5213.415	5128.208	3444.897	3060.23	2644.745	2231.074	1893.307	1777.826	1501.375	1410.426	1174.1
23.6282	26.81554	26.88097	27.09206	28.53164	25.99785	27.94913	29.25004	29.27065	28.36904	31.2195	31.77118	26.81371
22.98824	25.76502	26.30572	26.49914	27.93608	25.78721	27.55883	28.89624	29.04432	28.25304	31.01431	31.65434	26.74541
119531.3	120582.3	120444.1	121652.6	107933.6	117727.5	115843.3	115196.7	116615.6	119257	120955.8	123772.2	108607.1
25.54087	25.72148	25.73592	26.08331	23.22151	25.02711	24.75285	24.61468	24.91787	25.61361	25.93393	26.44705	23.20665
-586194	-532519	-465727	-502101	-431328	-581037	-656064	-635358	-624860	-522654	-426085	-421777	806143
-586194	-532519	-465727	-502101	-431328	-581037	-656064	-635358	-624860	-522654	-426085	-421777	806143
111864.9	113692.9	115230.7	116524.4	104488.7	114667.3	113198.6	112965.6	114722.3	117479.2	119454.5	122361.8	107433
3217888	3386880	3576782	3679548	3370994	3771977	3806932	3874799	4007079	4169593	4323762	4510501	4098549
13.21	5.84	16.44	6.57	3.14	6.17	1.98	1.77	5.39	2.64	1.49	5.17	2.41
-60962.2	-120081	-185993	-155317	-152110	-57196.5	27342.25	10118.99	-7681.67	-122514	-227836	-246736	-1398400
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593.39	224.42	333.51	350.22	212.92	639.22	291.32	235.38	365.12	642.36	235.92	385.48	244.72
0.020403	0.020422	0.01963	0.018897	0.121376	0.020403	0.020412	0.020422	0.01963	0.022042	0.022888	0.020403	
860176.5	877176.3	894723.3	901866.6	832944.6	945643.4	961082.5	975753.6	993172.2	991199.8	1015784	1041988	1076626
17.91	17.7	17.74	17.77	15.89	18.34	17.42	17.88	17.75	17.69	17.87	17.67	17.42
326636.8	329263.2	336607.3	343920	313685.3	369291.9	357782.2	374574.6	379288.2	385566.3	397279.2	400689.7	402916.2
4406947	4569448	4723233	4839437	4376841	4877726	4880181	4949161	5083258	5261833	5427978	5630238	5137299
4406947	4569448	4723233	4839437	4376841	4877726	4880181	4949161	5083258	5261833	5427978	5630238	5137299
3372193	3524882	3671070	3772408	3420355	3804273	3826488	3881381	4001459	4158352	4301786	4481821	4071531

119531.3	120582.3	120444.1	121652.6	107933.6	117727.5	115843.3	115196.7	116615.6	119257	120955.8	123772.2	108607.1
326636.8	329263.2	336607.3	343920	313685.3	369291.9	357782.2	374574.6	379288.2	385566.3	397279.2	400689.7	402916.2
4406947	4569448	4723233	4839437	4376841	4877726	4880181	4949161	5083258	5261833	5427978	5630238	5137299
60960.95	62702.8	63835.39	65692.38	59363.47	65927.4	67189.14	67966.05	69969.37	72746.76	74992.62	79214.22	70594.61
73.51	16.33	47.59	33.73	13.18	42.34	14.16	9.18	26.93	28.63	7.44	21.41	2.59
11.4	12.3	12	12	10.95	11.55	12	12.3	12.6	12.3	11.25	11.4	12.6
0.005042	0.005386	0.005494	0.00458	0.00466	0.004719	0.00412	0.004765	0.004801	0.004811	0.005326	0.004516	0.020545
0.004895	0.00523	0.005329	0.004451	0.004507	0.004568	0.004006	0.004615	0.00466	0.00466	0.005177	0.004391	0.020019
512.9558	761.2818	972.1682	666.4809	1393.078	1445.903	1432.268	2318.151	2234.421	2833.001	4016.256	4452.407	12409.2
1.88166	2.586776	3.309491	2.246129	4.591886	4.957889	4.720296	7.350351	6.790641	8.772131	12.0213	13.0868	38.49966
320.74	343.28	349.16	290.64	293.3	300.86	262.5	302.4	305.34	303.8	338.1	287.7	1311.66
0.029653	0.030189	0.030523	0.030756	0.029289	0.029465	0.030403	0.030309	0.030328	0.030358	0.02957	0.029506	0.029765
4811.1	5149.2	5237.4	4359.6	4399.5	4512.9	3937.5	4536	4580.1	4557	5071.5	4315.5	19674.9
19276.84	21713.09	23960.18	19146.47	19882.25	20596.04	17854.9	21230.85	22179.99	22548.88	27093.46	23726.61	193177.2
3.085014	3.506925	3.643682	3.619711	3.370979	3.550174	3.648037	3.92834	4.038097	4.04896	3.948279	4.160701	5.555641
118.484	158.6143	187.2046	139.2468	285.3224	302.9533	289.7695	457.7605	429.2268	543.5152	696.5958	756.7988	1718.463
63576.94	63658.28	63519.54	63286.58	63161	63920.5	63532.98	63533.54	63530.18	63197.82	63360.5	63584.36	63575.12
13.58482	13.57898	13.57255	13.56916	13.58886	13.58854	13.57542	13.57554	13.57482	13.57341	13.58501	13.5864	13.58443
65520	65632	65520	65296	65072	65856	65520	65520	65520	65184	65296	65520	65520
14	14	14	14	14	14	14	14	14	14	14	14	14
320.74	343.28	349.16	290.64	293.3	300.86	262.5	302.4	305.34	303.8	338.1	287.7	1311.66
147.2866	151.2626	161.5058	159.8501	147.9358	172.296	153.5607	158.2848	187.0079	168.0034	188.1607	179.1188	239.1529
47.97314	53.86768	55.73602	55.87997	51.24681	54.67246	56.73856	60.23088	62.08218	61.93268	60.68565	64.45402	84.70348
19644.34	22070.09	24338.18	19450.97	20144.75	21005.54	18211.9	21556.35	22505.49	22821.88	27492.46	24220.11	193817.7
22165.54	25279.18	27890.23	22009.66	23012.97	23631.32	20339.43	24558.21	25492.28	26147.4	31334.05	27534.13	285788.3
2521.203	3209.087	3552.046	2558.69	2868.22	2625.783	2127.529	3001.861	2986.782	3325.517	3841.591	3314.023	91970.63
22165.54	25279.18	27890.23	22009.66	23012.97	23631.32	20339.43	24558.21	25492.28	26147.4	31334.05	27534.13	285788.3
1285.12	1416.81	1281.74	1409.94	1281.18	1417.87	1469.28	1346.95	1353.3	1280.56	1261.45	1182.65	1541.63
19131.38	21308.81	23366.02	18784.49	18751.67	19559.64	16779.63	19238.2	20271.07	19988.88	23476.21	19767.7	181408.5
21625.07	24396.9	26758.75	21269.65	21390.15	21963.66	18740.45	21797.93	22941.19	22874.9	26803.49	22375.06	265421.6
10.60644	11.40056	11.13099	11.1114	10.14488	10.4531	10.95871	11.21312	11.29244	10.9729	10.31713	9.777674	11.02219
312.8411	332.7057	336.6797	281.3569	274.2785	280.6631	243.182	271.8826	276.7249	267.5657	291.6603	237.2467	1197.096
66.53608	68.56652	78.2821	74.93731	77.10974	74.52592	76.3434	77.40915	80.64612	80.4316	88.96027	90.14159	107.7098
18.6301	14.39897	22.70181	20.98245	21.45134	31.97074	26.72019	30.18957	34.67783	39.41148	40.01673	50.54061	63.45526

320.74	343.28	349.16	290.64	293.3	300.86	262.5	302.4	305.34	303.8	338.1	287.7	1311.66
0.068534	0.073225	0.074606	0.062315	0.063102	0.063958	0.056089	0.064615	0.065243	0.065249	0.072491	0.061474	0.280269
2521.203	3209.087	3552.046	2558.69	2868.22	2625.783	2127.529	3001.861	2986.782	3325.517	3841.591	3314.023	91970.63
2521.203	3209.087	3552.046	2558.69	2868.22	2625.783	2127.529	3001.861	2986.782	3325.517	3841.591	3314.023	91970.63
7.898934	10.57429	12.48031	9.283122	19.02149	20.19689	19.31796	30.51737	28.61512	36.23435	46.43972	50.45325	114.5642
512.9558	761.2818	972.1682	666.4809	1393.078	1445.903	1432.268	2318.151	2234.421	2833.001	4016.256	4452.407	12409.2
15.67	16.27	15.97	13.63	13.2	14.03	12.27	13.29	13.67	13.29	15.21	12.24	29.58
-2521.2	-3209.09	-3552.05	-2558.69	-2868.22	-2625.78	-2127.53	-3001.86	-2986.78	-3325.52	-3841.59	-3314.02	-91970.6
-24146.3	-27606	-30310.8	-23828.3	-24258.4	-24589.4	-20868	-24799.8	-25928	-26200.4	-30645.1	-25689.1	-357392
0.38	0.42	0.42	0.39	0.69	0.72	0.85	1.08	1.19	1.36	1.83	1.86	2.77
5837.247	6380.634	6597.208	5566.747	5697.686	5874.466	5262.529	6189.682	6350.515	6416.312	7297.019	6287.474	25611.02
0.35	0.34	0.36	0.29	0.25	0.39	0.34	0.31	0.31	0.26	0.38	0.47	0.61
367.5	357	378	304.5	262.5	409.5	357	325.5	325.5	273	399	493.5	640.5
19644.34	22070.09	24338.18	19450.97	20144.75	21005.54	18211.9	21556.35	22505.49	22821.88	27492.46	24220.11	193817.7
19644.34	22070.09	24338.18	19450.97	20144.75	21005.54	18211.9	21556.35	22505.49	22821.88	27492.46	24220.11	193817.7
19276.84	21713.09	23960.18	19146.47	19882.25	20596.04	17854.9	21230.85	22179.99	22548.88	27093.46	23726.61	193177.2
320.74	343.28	349.16	290.64	293.3	300.86	262.5	302.4	305.34	303.8	338.1	287.7	1311.66
367.5	357	378	304.5	262.5	409.5	357	325.5	325.5	273	399	493.5	640.5
19644.34	22070.09	24338.18	19450.97	20144.75	21005.54	18211.9	21556.35	22505.49	22821.88	27492.46	24220.11	193817.7
0.07	0.06	0.01	0.13	0.05	0.14	0.15	0.13	0.1	0.09	0.04	0.06	0.78
10.98902	10.99077	10.96499	10.96023	11.00159	10.97598	10.99681	11.00896	10.99466	10.95741	10.96416	10.94889	11.16821
0.32096	0.330736	0.328589	0.335526	0.330127	0.318188	0.32334	0.324804	0.324417	0.32827	0.338141	0.338086	0.317353
0.294818	0.315268	0.305883	0.316085	0.309272	0.28882	0.304291	0.309533	0.305681	0.301583	0.321779	0.317635	0.305377
12202230	13467953	13823622	14432672	14792137	14575627	15631545	16392564	16765701	16750481	18285250	18687452	18527209
54305.46	59475.17	59490.67	61114.71	61686.18	59236.67	62849.62	65047.35	65278.99	64122.48	69267.34	69415.24	68328.04
506506.1	542565.5	525516.9	541186.6	527706.3	498746.8	522781.7	531787.8	525169.6	515471.9	550935.7	545706.9	524646.8
0.034429	0.034368	0.034561	0.034638	0.03438	0.034423	0.034131	0.034508	0.034552	0.034619	0.034377	0.034419	0.034211
5555479	5952594	5749580	5921392	5792579	5461002	5741489	5845597	5767283	5640179	6029286	5963383	5808990
6376486	6978918	7038352	7340048	7445560	7214424	7792537	8274805	8443730	8508604	9508701	9670536	11195567
2.633612	2.718174	2.800885	2.835344	2.895046	2.954987	3.006949	3.069392	3.127814	3.180417	3.264576	3.321247	3.527718
8262268	9224965	9105394	9471517	9363586	8949014	9482997	9696097	9602944	9446999	10207380	10157100	9839712
14457.57	15099.73	18038.08	17037.5	20621.5	24337.94	23018.85	26708.88	29068.61	31777.87	35772.85	37390.97	59502.58
1577892	1640418	1599336	1612939	1598599	1567303	1616887	1637360	1618790	1570248	1629223	1613898	1652961
337.1565	349.9184	341.7386	345.8274	343.9327	333.1852	345.4886	349.8633	345.8954	337.2526	349.3188	344.8501	353.1968

1718028	1720965	1718028	1712154	1706281	1726838	1718028	1718028	1718028	1709218	1712154	1718028	1718028
367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1
506506.1	542565.5	525516.9	541186.6	527706.3	498746.8	522781.7	531787.8	525169.6	515471.9	550935.7	545706.9	524646.8
1780.767	1861.876	1898.108	1944.84	1934.686	1964.434	2033.809	2089.418	2171.862	2126.032	2262.988	2246.951	2767.136
30.19755	31.18104	32.04125	32.41903	33.23983	33.83658	34.4986	35.25903	35.88422	36.3579	37.35551	37.94496	41.04858
15757404	17405369	17352128	18061186	18031313	17398841	18561570	19310482	19404448	19306139	21171130	21293828	22544606
15635463	17371447	17800364	18409152	18088958	17548680	18176440	18879037	19069971	19720399	21725479	21955503	28051413
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18399.11	19186.14	18231.37	19020.64	18218.49	18310.41	19106.3	19050.01	18812.66	18128.31	18576	18083.92	19917.58
3075288	3448427	3025573	3109431	2756615	2292770	2394419	2363285	2067023	1986323	2297820	2006794	3428198
3607508	4027631	3672084	3694076	3276245	2801277	2827034	2807498	2454244	2404415	2797409	2421612	5861743
26.31713	26.26672	25.39487	25.73367	24.42569	23.89218	24.60896	24.358	23.5498	23.07325	22.7453	21.89275	13.27021
93732.95	101716.9	85959.32	88086.45	75781.14	61166.98	63531.25	60924.99	51949.64	48832.99	55024.49	47335.04	53954.17
35.0798	37.02961	39.39708	40.15162	41.06663	41.53038	42.50197	44.54651	45.28744	46.51624	50.16997	51.87561	57.19933
34.41223	36.11884	38.87476	39.6997	40.58884	41.26717	42.19882	44.17846	45.05147	46.35892	49.81929	51.52739	56.96073
506506.1	542565.5	525516.9	541186.6	527706.3	498746.8	522781.7	531787.8	525169.6	515471.9	550935.7	545706.9	524646.8
108.2278	115.735	112.2899	116.0349	113.5341	106.0261	111.7055	113.6299	112.2157	110.7113	118.1252	116.604	112.104
-2974106	-3090975	-2501329	-2697954	-2920131	-2651813	-3339282	-3435227	-3298437	-2482596	-2540534	-2403722	2596251
-2974106	-3090975	-2501329	-2697954	-2920131	-2651813	-3339282	-3435227	-3298437	-2482596	-2540534	-2403722	2596251
412773.1	440848.6	439557.5	453100.1	451925.1	437579.9	459250.5	470862.8	473220	466638.9	495911.2	498371.8	470692.6
12202230	13467953	13823622	14432672	14792137	14575627	15631545	16392564	16765701	16750481	18285250	18687452	18527209
546.89	586.23	579.75	536.7	471.55	423.34	368.34	357.44	313.47	311.18	333.99	282.89	487.82
121940.5	33921.51	-448236	-347966	-57645.6	-149839	385130	431445.5	334476.6	-414260	-554349	-661675	-5506807
-3485567	-3993710	-4120320	-4042042	-3333891	-2951116	-2441904	-2376053	-2119767	-2818674	-3351757	-3083287	-1.1E+07
3049.61	2945.16	3113.57	3081.53	3218.58	3524.71	3451.94	3500.92	3595.37	3632.68	3563.04	3669.88	3782.97
0.017497	0.00659	0.018657	0.009241	0.015666	0.02654	0.010953	0.006589	0.00966	0.016733	0.0077	0.011551	
2666073	2820845	2766463	2877359	2865618	2846283	3037876	3138277	3156688	3084876	3270577	3292142	3576945
48.91	49.69	49.42	50.5	47.43	48.01	49.15	49.61	50.37	48.98	49.9	50.59	52.51
481680.8	491140.1	504979.2	520968.7	484529.2	532604.7	537758.9	556792.9	573774.4	571417.4	590579.3	602521.3	592651.9
18609569	20462423	20301693	21107106	21009089	20200494	21515721	22314264	22368408	22202995	24266013	24359225	25455162
18609569	20462423	20301693	21107106	21009089	20200494	21515721	22314264	22368408	22202995	24266013	24359225	25455162
14638754	16203883	16143746	16811565	16809146	16163438	17275533	17970902	18046674	17955603	19716081	19827635	21035279
506506.1	542565.5	525516.9	541186.6	527706.3	498746.8	522781.7	531787.8	525169.6	515471.9	550935.7	545706.9	524646.8
481680.8	491140.1	504979.2	520968.7	484529.2	532604.7	537758.9	556792.9	573774.4	571417.4	590579.3	602521.3	592651.9

18609569	20462423	20301693	21107106	21009089	20200494	21515721	22314264	22368408	22202995	24266013	24359225	25455162
636969.4	710345.7	703402.9	728652.2	737637.6	702799	748277.2	782787.6	783999.1	779119.1	864469.8	863671.3	916675.7
1063.5	1143.88	968.59	1028.66	939.89	733.69	842.76	816.44	762.28	697.98	760.7	718.86	406.82

26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
3807119	3755423	4339292	4536345	4973621	6140283	6154252	6384213	7006420	7728157	7635170	8579443	7257784
16680.9	15945.39	18302.21	18764.3	20191.13	24771.3	24054.9	24450.12	26522.29	29249.95	27889.13	30865.8	25213.8
-1030399	-1048298	-1069658	-1084341	-1099490	-1133535	-1148594	-1168109	-1187473	-1194567	-1220896	-1246998	-1264944
1030399	1048298	1069658	1084341	1099490	1133535	1148594	1168109	1187473	1194567	1220896	1246998	1264944
3807119	3755423	4339292	4536345	4973621	6140283	6154252	6384213	7006420	7728157	7635170	8579443	7257784
3047.23	2935.39	3110.29	3078.62	3216.71	3529.9	3451.1	3488.79	3587.33	3630.7	3553.51	3662.59	3772.4
214.2262	219.3089	221.887	225.703	233.2587	238.6192	246.8629	254.2496	256.1294	259.3171	270.7133	274.0834	288.7383
63.45342	62.84815	66.2077	67.34981	69.95455	76.88342	77.04639	78.4711	81.13028	84.71388	84.91602	88.55081	96.59034
196351.2	187697.4	209592.9	210790.5	228561	274868.1	268531.1	276829.4	293719.2	310303.2	305357.9	327848.4	373380.7
-1030399	-1048298	-1069658	-1084341	-1099490	-1133535	-1148594	-1168109	-1187473	-1194567	-1220896	-1246998	-1264944
-220.171	-223.613	-228.559	-232.492	-236.551	-240.973	-245.426	-249.596	-253.733	-256.565	-261.77	-266.453	-270.287
-2.7E+07	-2.8E+07	-3E+07	-3.1E+07	-3.2E+07	-3.3E+07	-3.4E+07	-3.5E+07	-3.6E+07	-3.8E+07	-4E+07	-4.2E+07	-4.4E+07
-25.7253	-26.9106	-28.1712	-28.7439	-28.7903	-29.059	-29.3084	-29.8028	-30.5539	-31.9961	-32.9414	-33.8694	-34.6133
-2.7E+07	-2.8E+07	-3E+07	-3.1E+07	-3.2E+07	-3.3E+07	-3.4E+07	-3.5E+07	-3.6E+07	-3.8E+07	-4E+07	-4.2E+07	-4.4E+07
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
30313907	31965612	34471729	35705167	36634359	39077444	39817785	41199191	43296248	45951431	47845396	50822623	51069570
1030399	1048298	1069658	1084341	1099490	1133535	1148594	1168109	1187473	1194567	1220896	1246998	1264944
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786

26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
3807119	3755423	4339292	4536345	4973621	6140283	6154252	6384213	7006420	7728157	7635170	8579443	7257784
16680.9	15945.39	18302.21	18764.3	20191.13	24771.3	24054.9	24450.12	26522.29	29249.95	27889.13	30865.8	25213.8
-1030399	-1048298	-1069658	-1084341	-1099490	-1133535	-1148594	-1168109	-1187473	-1194567	-1220896	-1246998	-1264944
1030399	1048298	1069658	1084341	1099490	1133535	1148594	1168109	1187473	1194567	1220896	1246998	1264944
3807119	3755423	4339292	4536345	4973621	6140283	6154252	6384213	7006420	7728157	7635170	8579443	7257784
3047.23	2935.39	3110.29	3078.62	3216.71	3529.9	3451.1	3488.79	3587.33	3630.7	3553.51	3662.59	3772.4
214.2262	219.3089	221.887	225.703	233.2587	238.6192	246.8629	254.2496	256.1294	259.3171	270.7133	274.0834	288.7383

63.45342	62.84815	66.2077	67.34981	69.95455	76.88342	77.04639	78.4711	81.13028	84.71388	84.91602	88.55081	96.59034
196351.2	187697.4	209592.9	210790.5	228561	274868.1	268531.1	276829.4	293719.2	310303.2	305357.9	327848.4	373380.7
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-220.171	-223.613	-228.559	-232.492	-236.551	-240.973	-245.426	-249.596	-253.733	-256.565	-261.77	-266.453	-270.287
-2.7E+07	-2.8E+07	-3E+07	-3.1E+07	-3.2E+07	-3.3E+07	-3.4E+07	-3.5E+07	-3.6E+07	-3.8E+07	-4E+07	-4.2E+07	-4.4E+07
-25.7253	-26.9106	-28.1712	-28.7439	-28.7903	-29.059	-29.3084	-29.8028	-30.5539	-31.9961	-32.9414	-33.8694	-34.6133
-2.7E+07	-2.8E+07	-3E+07	-3.1E+07	-3.2E+07	-3.3E+07	-3.4E+07	-3.5E+07	-3.6E+07	-3.8E+07	-4E+07	-4.2E+07	-4.4E+07
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
30313907	31965612	34471729	35705167	36634359	39077444	39817785	41199191	43296248	45951431	47845396	50822623	51069570
1030399	1048298	1069658	1084341	1099490	1133535	1148594	1168109	1187473	1194567	1220896	1246998	1264944
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786
26506788	28210189	30132436	31168822	31660739	32937160	33663533	34814978	36289828	38223274	40210226	42243180	43811786

49873.34	49727.23	49788.69	49837.72	49753.3	49775.81	49859.65	49838.22	49898.22	49513.75	49724.6	49868.12	49813.14
1254165	1306699	1373066	1406077	1400827	1415825	1430944	1455866	1496545	1556508	1609028	1668018	1694834
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1.441756	1.137432	0.145725	0.134829	0.041437	0.171961	0.130779						
3.391398	3.909403	0.224306	0.467959	0.058206	0.442983	0.261558						
20.35104	21.68308	21.64554	24.3265	22.86035	23.96255	23.72623	24.81975	28.60321	26.98185	28.19406	28.58589	29.54243
17.7054	16.26231	17.74934	19.4612	17.60247	21.32667	20.16729	10.67249	16.58986	21.04584	13.81509	19.15255	10.04443
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10.6567	10.60734	10.63861	10.68562	10.70424	10.58159	10.65377	10.64919	10.66201	10.6344	10.66136	10.65558	10.64383
1254165	1306699	1373066	1406077	1400827	1415825	1430944	1455866	1496545	1556508	1609028	1668018	1694834
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19.86	12.61	17.88	16.92	17.64	21.8	16.58	5.11	8.81	13.95	6.19	8.35	2.39
1023166	1034786	1054460	1063311	1080499	1126996	1139162	1153643	1171325	1183656	1211460	1243742	1257289
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2234031	2329091	2445311	2490208	2483371	2528085	2545785	2588213	2653077	2759683	2858566	2955379	2990684
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18.88416	18.80816	18.8655	18.90185	18.89516	18.81798	18.8698	18.85488	18.85623	18.83541	18.87604	18.86808	18.76858
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87881.81	87663.68	87791.8	87657.82	87332.3	88021.98	87816.75	87750.01	87749.17	87200.61	87540.3	87828.66	87836.96
3169607	3295861	3431386	3566380	3696439	3861131	4008464	4163366	4324671	4477226	4662872	4863372	26425.54
953124.6	985482.5	1005285	1096216	1233506	1354577	1484789	1598004	1695788	1742649	1830336	1933821	-2964258
953124.6	985482.5	1005285	1096216	1233506	1354577	1484789	1598004	1695788	1742649	1830336	1933821	-2964258
1030399	1048298	1069658	1084341	1099490	1133535	1148594	1168109	1187473	1194567	1220896	1246998	1264944
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88377.89	88172.65	88290.52	88158.24	87824.71	88519.76	88310.67	88240.82	88247.13	87697.68	88037.83	88302.63	87836.96
3187156	3314574	3450596	3586424	3716876	3882662	4030575	4186217	4348865	4502332	4688902	4889200	26425.54
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88377.89	88172.65	88290.52	88158.24	87824.71	88519.76	88310.67	88240.82	88247.13	87697.68	88037.83	88302.63	87836.96
2234031	2329091	2445311	2490208	2483371	2528085	2545785	2588213	2653077	2759683	2858566	2955379	2990684
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3118056	3226630	3350758	3469721	3580293	3724560	3849900	3983160	4119934	4246968	4407336	4577745	24875.26
14566.23	14846.99	15071.16	15334.74	15551.19	15899.92	16131.52	16405.3	16690.23	17012.06	17310.24	17671.51	77.12153
99303.74	99076.37	99207.42	99061.34	98681.11	99468.66	99230.6	99155.1	99156.58	98539.17	98925.35	99222.77	98695.94
2510133	2617029	2747567	2798105	2790244	2840739	2860518	2908248	2980941	3100786	3212138	3320826	3360227

65.75071		22.82749	24.33557	10.99745			20.95352	32.51293	32.62499	17.18908	42.22648	
0.657507		0.684824	2.433557	0.439898			0.41907	0.975387	0.326249	0.17189	0.422264	
99303.74	99076.37	99207.42	99061.34	98681.11	99468.66	99230.6	99155.1	99156.58	98539.17	98925.35	99222.77	98695.94
21.21875	21.13404	21.19817	21.23957	21.23088	21.14555	21.20312	21.18699	21.1873	21.16391	21.21041	21.20145	21.08888
-625303	-628092	-621887	-691175	-809987	-904653	-1010767	-1096920	-1162103	-1170084	-1219960	-1281277	3335351
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98746.19	98504.24	98646.89	98498.89	98127.74	98909.22	98675.54	98603.55	98596.87	97980.53	98366.17	98690.17	98695.94
3118056	3226630	3350758	3469721	3580293	3724560	3849900	3983160	4119934	4246968	4407336	4577745	24875.26
625303	628091.7	621887.3	691174.6	809987.5	904653.4	1010767	1096920	1162103	1170084	1219960	1281277	-3335351
625303	628091.7	621887.3	691174.6	809987.5	904653.4	1010767	1096920	1162103	1170084	1219960	1281277	-3335351
0.01		0.18	0.12	0.05			0.03	0.05	0.01	0.04	0.01	
1030399	1048298	1069658	1084341	1099490	1133535	1148594	1168109	1187473	1194567	1220896	1246998	1264944
3135436	3245121	3369454	3489280	3600232	3745392	3871285	4005168	4143044	4270870	4432098	4602103	24875.26
3135436	3245121	3369454	3489280	3600232	3745392	3871285	4005168	4143044	4270870	4432098	4602103	24875.26
99303.74	99076.37	99207.42	99061.34	98681.11	99468.66	99230.6	99155.1	99156.58	98539.17	98925.35	99222.77	98695.94
3135436	3245121	3369454	3489280	3600232	3745392	3871285	4005168	4143044	4270870	4432098	4602103	24875.26
3135436	3245121	3369454	3489280	3600232	3745392	3871285	4005168	4143044	4270870	4432098	4602103	24875.26
99303.74	99076.37	99207.42	99061.34	98681.11	99468.66	99230.6	99155.1	99156.58	98539.17	98925.35	99222.77	98695.94
2510133	2617029	2747567	2798105	2790244	2840739	2860518	2908248	2980941	3100786	3212138	3320826	3360227
-625303	-628092	-621887	-691175	-809987	-904653	-1010767	-1096920	-1162103	-1170084	-1219960	-1281277	3335351
3135436	3245121	3369454	3489280	3600232	3745392	3871285	4005168	4143044	4270870	4432098	4602103	24875.26
49267.37	49146.25	49195.86	49249.63	49161.13	49185.82	49266.98	49250.19	49300.35	48910.63	49131.93	49274.49	49219.66
1236810	1288712	1354344	1386715	1381820	1397350	1411136	1436542	1475664	1534803	1586338	1645017	1674498

19.89767	27.79524	23.94141	16.37146	18.71622	21.99606	23.20694	19.46324	26.62461	24.60486	17.84173	34.34965	
0.59693	0.555904	0.718242	0.491143	0.561486	2.419566	3.016902	0.583897	0.532492	1.230243	0.178417	0.343496	
49267.37	49146.25	49195.86	49249.63	49161.13	49185.82	49266.98	49250.19	49300.35	48910.63	49131.93	49274.49	49219.66
10.52722	10.48342	10.51194	10.55953	10.57684	10.45617	10.52713	10.52355	10.53426	10.50486	10.53429	10.52874	10.51702
1236810	1288712	1354344	1386715	1381820	1397350	1411136	1436542	1475664	1534803	1586338	1645017	1674498
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49267.37	49146.25	49195.86	49249.63	49161.13	49185.82	49266.98	49250.19	49300.35	48910.63	49131.93	49274.49	49219.66
-1236810	-1288712	-1354344	-1386715	-1381820	-1397350	-1411136	-1436542	-1475664	-1534803	-1586338	-1645017	-1674498

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0.1	0.08	0.03	0.04	0.04	0.46	0.32	0.03	0.02	0.19	0.01	0.01	
1017271	1032020	1055335	1062532	1080009	1125088	1139795	1152820	1180260	1189369	1209310	1235953	1256272
49267.37	49146.25	49195.86	49249.63	49161.13	49185.82	49266.98	49250.19	49300.35	48910.63	49131.93	49274.49	49219.66
49267.37	49146.25	49195.86	49249.63	49161.13	49185.82	49266.98	49250.19	49300.35	48910.63	49131.93	49274.49	49219.66
1236810	1288712	1354344	1386715	1381820	1397350	1411136	1436542	1475664	1534803	1586338	1645017	1674498
1236810	1288712	1354344	1386715	1381820	1397350	1411136	1436542	1475664	1534803	1586338	1645017	1674498
47247.33	47078.38	47147.18	47236.61	47178.94	47173.1	47207.43	47211.05	47268.48	46902.64	47111.43	47199.05	47181.62
1194398	1243853	1304977	1338887	1334311	1349076	1361326	1385127	1423641	1479615	1528490	1583259	1611255
7.402254	15.9416		22.95406	23.62511		35.36139	33.97239		29.43531	46.97713		
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1194398	1243853	1304977	1338887	1334311	1349076	1361326	1385127	1423641	1479615	1528490	1583259	1611255
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2180813	2168581	2173258	2172749	2158867	2178357	2175479	2170878	2170263	2151860	2166470	2171766	10760.12
10111.81	9899.934	9702.772	9532.609	9307.129	9225.416	9047.2	8877.392	8731.608	8553.875	8443.549	8322.987	33.24025
42569.06	42330.29	42421.58	42411.66	42140.69	42521.12	42464.95	42375.13	42363.13	42003.9	42289.1	42392.46	42553.02
1057280	1099633	1157021	1179925	1172660	1197742	1209079	1225849	1252792	1303824	1353810	1405883	1425119
42569.06	42330.29	42421.58	42411.66	42140.69	42521.12	42464.95	42375.13	42363.13	42003.9	42289.1	42392.46	42553.02
9.095953	9.029498	9.06444	9.093408	9.066412	9.039352	9.073706	9.054515	9.051951	9.021457	9.06713	9.058218	9.092524

-1123533	-1068948	-1016237	-992825	-986207	-980615	-966401	-945029	-917471	-848036	-812660	-765883	1414359
-1123533	-1068948	-1016237	-992825	-986207	-980615	-966401	-945029	-917471	-848036	-812660	-765883	1414359
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2180813	2168581	2173258	2172749	2158867	2178357	2175479	2170878	2170263	2151860	2166470	2171766	10760.12
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42569.06	42330.29	42421.58	42411.66	42140.69	42521.12	42464.95	42375.13	42363.13	42003.9	42289.1	42392.46	42553.02
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3350384	3405316	3506665	3597491	3667503	3774851	3870837	3956322	4052347	4131092	4267296	4273401	25083.85
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45966.14	45625.03	45798.35	45846.3	45566.35	45777.99	45785.85	45641.64	45639.67	45391.6	45742.27	45775.01	45570.37
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3370263	3429093	3528282	3619983	3688137	3797689	3893133	3978098	4077356	4156399	4293220	4296900	25083.85
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3370263	3429093	3528282	3619983	3688137	3797689	3893133	3978098	4077356	4156399	4293220	4296900	25083.85
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506506.1	542565.5	525516.9	541186.6	527706.3	498746.8	522781.7	531787.8	525169.6	515471.9	550935.7	545706.9	524646.8
1780.767	1861.876	1898.108	1944.84	1934.686	1964.434	2033.809	2089.418	2171.862	2126.032	2262.988	2246.951	2767.136
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3607569	4027696	3672088	3694092	3276246	2801281	2827037	2807498	2454244	2404415	2797409	2421612	5861743
12.37744	12.33363	11.86065	12.01803	11.40142	11.16115	11.4929	11.36707	10.98991	10.76752	10.61447	10.21662	7.682751
93736.34	101720.8	85959.54	88086.91	75781.2	61167.43	63531.51	60924.99	51949.64	48832.99	55024.49	47335.04	53954.17
32.93804	35.12029	37.03074	37.86391	38.52151	38.98344	39.66262	43.07726	43.86122	43.93527	48.52678	49.52618	55.93944
32.38132	34.33609	36.59252	37.48376	38.11634	38.76283	39.4063	42.74352	43.64958	43.79985	48.19611	49.21828	55.71236
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-7.2E+07	-7.5E+07	-7.7E+07	-7.9E+07	-8E+07	-8.3E+07	-8.5E+07	-8.8E+07	-9E+07	-9.2E+07	-9.5E+07	-9.8E+07	-2.7E+07
-69.9848	-71.1231	-71.5923	-72.5111	-73.1283	-73.2008	-74.4021	-75.1701	-75.9441	-76.7748	-77.8052	-78.3455	-21.3784
-7.2E+07	-7.5E+07	-7.7E+07	-7.9E+07	-8E+07	-8.3E+07	-8.5E+07	-8.8E+07	-9E+07	-9.2E+07	-9.5E+07	-9.8E+07	-2.7E+07
834047.6	860600.4	860064.6	873550.8	870928.5	858666.6	880063.1	891279.6	893753.6	884263.7	915538.2	919149.5	891563.3
24021090	25564341	26285688	27239013	27895239	28114526	29536226	30666290	31432917	31757627	33789224	34573736	18614354
69256344	71495475	73626979	75577892	77424170	80170814	82499874	84798282	87215836	88811743	91890018	94631167	24133599
69455895	71223203	74294184	76420145	79121545	83509816	85827089	88374997	91768012	94135485	96727779	1.01E+08	25529640
0.017497	0.00659	0.018657	0.009241	0.015666	0.02654	0.010953	0.006589	0.00966	0.016733	0.0077	0.011551	
10859578	11145283	11265802	11475141	11580386	11879120	12196779	12432518	12594801	12593234	12984237	13232400	13671108
48.91	49.69	49.42	50.5	47.43	48.01	49.15	49.61	50.37	48.98	49.9	50.59	52.51
481680.8	491140.1	504979.2	520968.7	484529.2	532604.7	537758.9	556792.9	573774.4	571417.4	590579.3	602521.3	592651.9
98354904	1.03E+08	1.06E+08	1.09E+08	1.1E+08	1.13E+08	1.16E+08	1.19E+08	1.22E+08	1.25E+08	1.3E+08	1.34E+08	69354094
56990025	60829981	62955719	65144364	65833940	66741754	69149727	71469602	73397764	75507731	80056929	82562373	69354094
14638754	16203883	16143746	16811565	16809146	16163438	17275533	17970902	18046674	17955603	19716081	19827635	21035279
929111	963721.7	947366.5	962988	948012.5	921169.1	944907.8	953499.9	947043.2	934431.3	971898.2	967741.4	945517.5
481680.8	491140.1	504979.2	520968.7	484529.2	532604.7	537758.9	556792.9	573774.4	571417.4	590579.3	602521.3	592651.9
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636969.4	710345.7	703402.9	728652.2	737637.6	702799	748277.2	782787.6	783999.1	779119.1	864469.8	863671.3	916675.7
11873668	12157369	12521590	12868436	13164112	13604100	13970472	14340360	14739528	15081462	15580690	15959968	87144.77
422604.9	421156.2	421849.6	421801.5	420306.2	422422.3	422126.1	421712.2	421873.6	418959.4	420962.5	422034.5	420870.7
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2036-01	2037-01	2038-01	2039-01	2040-01
34.1475	35.04871	36.01846	36.79443	37.06222
20.72581	21.13958	21.4734	21.7303	21.91439
34.02163	34.92086	35.88939	36.66533	36.93368
34.11846	35.01921	35.98867	36.76464	37.03255
33.39227	34.28159	35.24406	36.01981	36.291
33.67306	34.5668	35.53198	36.30781	36.57774
34.09909	34.99954	35.96882	36.74477	37.01278
34.13782	35.03888	36.00853	36.7845	37.05233

26.17836	26.70193	38.616	38.616	38.616
1.64	1.69	1.75	1.799999	1.839999
33.83766	34.734	35.70076	36.47664	36.74582
6.47674	6.63859	6.816494	6.96428	7.039618
27.20403	27.89831	29.58388	30.13904	30.34318
27.20403	27.89831	29.58388	30.13904	30.34318
1.25046	1.3894	0.41682	0.27788	0.27788
0.003257	0.001234	0.000072	0.000015	0.00007
0.003177	0.001206	0.00007	0.000015	0.000068
25267.6	1673.553	1137.839		914.4006
81.13069	4.767975	3.711392		2.899185
335.2	126.6	7.4	1.6	7.2
0.02989	0.029868	0.029747	0.030249	0.029983
4657.269	1758.98	102.8156	22.2304	100.0368
121919.7	46968.16	3970.327	858.4491	3863.021
2.499152	2.833192	1.20828	0.80612	0.80672
7405.057	2867.138	170.6739	37.56938	172.0633
102330.2	101809.1	101476.4	101766.6	102316.5
21.82812	21.82871	21.83226	21.8196	21.82985
105480	104940	104580	104940	105480
22.5	22.5	22.5	22.5	22.5048
335.2	126.6	7.4	1.6	7.2
105.559	79.53736	17.02852	11.33678	11.28091
35.58702	40.02098	17.02852	11.33678	11.28091
129954.7	50076.16	4189.513	911.1409	4059.523
175280	63704.23	4616.88	930.7486	4573.757
45325.28	13628.08	427.3669	19.60771	514.2343

175280	63704.23	4616.88	930.7486	4573.757
154.07	143.33	36.01	24.74	20.29
104687.1	48402.6	3051.674	911.1409	3145.122
138563	61792.78	3326.402	930.7486	3508.46
1.748598	1.989404	0.59868	0.4	0.371632
269.9909	122.3649	5.372289	1.6	5.573063
391.7145	398.875	578.3529		563.622
19.58572	11.96625	5.783529		11.27244
335.2	126.6	7.4	1.6	7.2
0.071501	0.027144	0.001592	0.000343	0.001536
45325.28	13628.08	427.3669	19.60771	514.2343
45325.28	13628.08	427.3669	19.60771	514.2343
65.20913	4.235086	2.02771		1.626936
25267.6	1673.553	1137.839		914.4006
2.5	1.4	0.15	0.08	0.13
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4798.778	1646.086	109.4789	19.4731	110.5592
0.11	0.04	0.03	0.01	0.01
130.5469	48.4212	37.0422	12.5944	12.8462
129954.7	50076.16	4189.513	911.1409	4059.523
129954.7	50076.16	4189.513	911.1409	4059.523
129324.7	49835.3	4141.001	896.0185	4035.084
335.2	126.6	7.4	1.6	7.2
130.5469	48.4212	37.0422	12.5944	12.8462
129954.7	50076.16	4189.513	911.1409	4059.523
499.448	192.432	11.47	2.528	11.592
8.853859	8.194529	9.324809	9.324809	9.418999
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0.061651	0.076732	0.055434	0.056363	0.055742
641097.2	698400.2	583548.8	618674.7	705260.1
2055.687	2214.06	1832.102	1924.425	2186.128
16763.16	20757.04	14944.28	15247.04	15156.56

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157892.2	195510.6	140760.2	143611.9	142759.6
1713547	1761181	1109377	1041156	1129444
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56021.86	69743.89	66213.76	76785.51	82491.22
263797.9	262425.1	261454.1	262379.8	263871.6
56.27089	56.26609	56.25089	56.25639	56.29861
271904	270512	269584	270512	271904
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16763.16	20757.04	14944.28	15247.04	15156.56
311.6618	311.7034	366.9663	361.1806	361.4389
65.53201	65.18944	68.93818	68.72611	70.93548
1889324	1983099	1272873	1211381	1301795
2713235	3058060	1680948	1589858	1734215
823911.6	1074961	408075.5	378476.7	432420.3
2713235	3058060	1680948	1589858	1734215
1822.4	1866.06	2290.47	2291.69	2312.61
1248227	1284699	689324.2	592706.7	596301.7
1773907	2019846	922811.4	786943.1	795099.3
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76.40739	80.48707	74.49302	75.45469	77.39256
68.69813	69.05736	72.92991	74.61709	76.55742
16763.16	20757.04	14944.28	15247.04	15156.56
3.575759	4.45048	3.215206	3.26909	3.233744
823911.6	1074961	408075.5	378476.7	432420.3
823911.6	1074961	408075.5	378476.7	432420.3
5947.75	7404.596	7029.807	8152.193	8757.959
641097.2	698400.2	583548.8	618674.7	705260.1
117.65	123	81.75	66.77	66.83
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29.34	38.29	47.58	53.35	54.65
81725.59	102846.5	76044.97	79768.91	80243.83
2.64	3.03	3.17	3.28	2.86

1439.856	1685.619	1798.785	1898.431	1688.43
1889324	1983099	1272873	1211381	1301795
1889324	1983099	1272873	1211381	1301795
1713547	1761181	1109377	1041156	1129444
16763.16	20757.04	14944.28	15247.04	15156.56
1439.856	1685.619	1798.785	1898.431	1688.43
1889324	1983099	1272873	1211381	1301795
174336.9	220232.2	161697.1	168327.3	170662.9
7.95	8.98	18.55	20.98	16.74
11.22249	11.18023	11.10249	11.10537	11.13454
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9990309	10360331	11326299	11735818	11965824
36646.04	37282.68	40225.87	41156.29	41578.31
266126.3	269938.2	279283.8	282291.3	278164.2
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11479919	11869871	12637336	13024054	13232868
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13366526	13683718	13060320	13513861	13722446
4518.6	4495.7	4482.89	4497.95	4520.3
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24.00443	24.64746	30.90947	31.70216	31.5878
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266126.3	269938.2	279283.8	282291.3	278164.2
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338834.8	247328.8	-1191379	-1140617	-1120463
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116716.5	119476.5	118803	119282.1	125651.3
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13027691	13436390	14251700	14654478	14842909
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266126.3	269938.2	279283.8	282291.3	278164.2
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5288.862	1570.54
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16945.84	6200.016
16945.84	6200.016
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3727935	3863424	4340426	4444718	4489813
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5274991	5374634	5463069	5601822	5643425
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4467.75	4444.54	4434.97	4449.26	4471.24
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795806.3	749890.6	288590	322958.3	332526.5

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77738.8	78232.82	79472.9	82221.18	81726.69
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4479185	4624744	5174479	5278863	5310898
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23303.55	7638.012
14.24	4.79
15324.98	5971.327
19901.05	7507.721
0.269561	0.3
36.87037	14.1
428.9339	
12.86802	
42.72	14.37
0.009112	0.003081
5547.2	1552.341
5547.2	1552.341
5.849628	0.27
2431.368	114.3446
0.23	0.12
-5547.2	-1552.34
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0.03	
4125.557	1226.277
2.3	1.17
17756.35	6085.672
17756.35	6085.672
17756.35	6085.672
42.72	14.37
17756.35	6085.672

12.76734	11.50541	13.45161	13.89367	14.02365
0.026133	0.037917	0.022812	0.02618	0.025049
0.02532	0.036731	0.022104	0.025372	0.02425
142599.9	147277.1	122734.3	152386.3	175943.8

430.9591	449.5738	373.8444	454.5454	523.796
5935.2	8565.7	5137	5916.8	5684.2
0.029916	0.029621	0.029933	0.030015	0.030237
84933.6	123030.5	73299.8	84336.4	81131
891932.2	1081668	470905.6	479357.4	515362.4
5.329085	5.220544	5.280114	5.409335	5.701583
16635.82	18639.34	24730.7	36350.05	35396.75
227370.9	226298.4	225584	226248.3	227280.5
48.50062	48.52024	48.53356	48.5095	48.49168
234400	233200	232400	233200	234400
50	50	50	50	50.01067
5935.2	8565.7	5137	5916.8	5684.2
511.8426	517.1294	469.3467	467.5114	477.3838
76.17686	74.70339	75.33202	77.13141	81.50668
893782.4	1084361	472533.7	481166.5	517198.6
1182336	1573668	607509.4	609010.6	666578.8
288553.8	489307.3	134975.6	127844.1	149380.2
1182336	1573668	607509.4	609010.6	666578.8
2864.01	2881.17	3541.92	3642.48	3581.35
751182.5	937083.8	349799.5	328780.2	341172.6
985259.5	1366341	451722.6	416123.8	438293.5
18.52865	16.48493	19.57802	19.9127	19.16172
4759.313	7249.889	3388.973	3348.98	3187.855
99.64238	112.0526	93.91719	94.03789	99.28497
72.27311	80.59363	83.00596	87.32229	91.24809
5935.2	8565.7	5137	5916.8	5684.2
1.26604	1.836556	1.105206	1.26861	1.212758
288553.8	489307.3	134975.6	127844.1	149380.2
288553.8	489307.3	134975.6	127844.1	149380.2
1175.887	1315.811	1748.027	2567.82	2495.445
142599.9	147277.1	122734.3	152386.3	175943.8
72.88	118.02	47.39	44.64	44.65
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-1273813	-1855649	-586698	-543968	-587674
5.89	9.09	11.44	15.86	17.57

55326.04	82398.39	47994.85	56594.91	56051.3
1.25	1.37	1.2	1.29	1.29
935.97	1117.155	914.22	1018.486	1003.165
893782.4	1084361	472533.7	481166.5	517198.6
893782.4	1084361	472533.7	481166.5	517198.6
891932.2	1081668	470905.6	479357.4	515362.4
5935.2	8565.7	5137	5916.8	5684.2
935.97	1117.155	914.22	1018.486	1003.165
893782.4	1084361	472533.7	481166.5	517198.6
914.264	1576.088	713.93	790.632	833.014
2.82	2.8	12.56	14.61	12.45
1.35	1.5	0.3		0.3
0.003115	0.001066	0.00004		0.000047
0.003063	0.001024	0.000038		0.000046
2920.539	152.9654	120.8205		72.6129
9.211251	0.426307	0.396794		0.240538
57.44	19.12	0.72		0.88
0.030936	0.030099	0.030571	0.029864	0.029822
861.6	286.8	10.8		13.2
22555.27	7658.112	417.0528		509.7312
2.49944	2.832692	0.80547		0.80681
1372.701	466.05	17.901		22.7634
18170.36	18091.08	18022.28	18099.4	18192
3.87593	3.878876	3.877426	3.88066	3.881374
18752	18656	18592	18656	18752
4	4	4	4	4.000853
57.44	19.12	0.72		0.88
112.4748	76.4827	12.08205		12.10215
37.4916	42.49039	12.08205		12.10215
23927.97	8124.162	434.9538		532.4946
31589.51	10191.36	480.1693		586.0927
7661.539	2067.2	45.21547		53.59806
31589.51	10191.36	480.1693		586.0927
14.36	4.78	0.18		0.22

21007.44	7971.197	314.1333		459.8817
27505.42	10017.64	341.9621		507.2415
0.356338	0.4	0.08		0.08
50.42914	18.76	0.52		0.76
445.6103	471.3844	670.6757		653.2588
17.82441	9.427687	6.706756		13.06518
57.44	19.12	0.72		0.88
0.012252	0.004099	0.000154		0.000187
7661.539	2067.2	45.21547		53.59806
7661.539	2067.2	45.21547		53.59806
7.010862	0.36	0.2		0.12
2920.539	152.9654	120.8205		72.6129
7.12	4.66	0.11		0.17
-7661.54	-2067.2	-45.2155		-53.5981
-35167	-12084.8	-387.178		-560.84
0.57	0.09	0.04		0.03
4149.484	1220.168	52.8633		67.5274
2.26	1.15	0.15		0.15
23927.97	8124.162	434.9538		532.4946
23927.97	8124.162	434.9538		532.4946
23927.97	8124.162	434.9538		532.4946
57.44	19.12	0.72		0.88
23927.97	8124.162	434.9538		532.4946

10.70546	10.63491	10.48246	10.50072	10.53811
0.386032	0.399553	0.440343	0.442	0.4288
0.363735	0.377081	0.415485	0.416649	0.404533
3894690	4097835	4653033	4768869	4846856
14417.01	14862.32	16593.98	16788.46	16903.86
99924.13	103060.2	113166.8	113874.6	111132.2
0.057337	0.056888	0.056484	0.057546	0.056943
1049432	1079389	1177318	1183945	1158130
1760346	1871288	2196668	2263199	2354016
3.653506	3.731177	3.78375	3.865686	3.957422
2108834	2195802	2411148	2456686	2443306

258994.4	257741.6	256958.7	257556.4	259078.8
55.24625	55.26191	55.2837	55.22221	55.27604
274716.8	273310.4	272372.8	273310.4	274716.8
58.6	58.6	58.6	58.6	58.6125
99924.13	103060.2	113166.8	113874.6	111132.2
556.4508	564.2386	559.7943	570.5625	585.1885
39.74908	40.32116	40.21339	41.16395	42.24297
4344272	4550109	5115442	5240872	5315294
5989345	6103111	5920438	6048571	6222313
1645073	1553003	804996.1	807699.4	907018.8
5989345	6103111	5920438	6048571	6222313
4419.7	4398.32	4384.96	4395.16	4421.14
41438.01	39335.9	32867.02	31866.76	29187.51
98098.53	95465.95	52084.26	49781.34	45669.72
14.16564	13.10978	15.693	15.03292	13.74474
1085.06	1003.764	759.6457	734.4513	614.3497
25.54822	26.5788	31.94699	32.69016	32.49964
25.47628	26.48827	31.85224	32.60984	32.39997
99924.13	103060.2	113166.8	113874.6	111132.2
21.31488	22.09696	24.34743	24.41565	23.71074
1096535	988805.8	189611.8	188851.2	301664.4
1096535	988805.8	189611.8	188851.2	301664.4
98839.07	102056.4	112407.2	113140.1	110487.6
3894690	4097835	4653033	4768869	4846856
2.09	1.22	1.3	1.22	1.11
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236.81	238.51	229.84	233.04	235.87
1090766	1103724	1111902	1131710	1151604
17.3	17.16	17.5	17.58	17.15
408143.5	412937.4	429541.6	440135.3	437957.1
4892810	5114305	5730826	5859720	5920649
4892810	5114305	5730826	5859720	5920649
3869179	4067090	4607815	4719885	4797322

99924.13	103060.2	113166.8	113874.6	111132.2
408143.5	412937.4	429541.6	440135.3	437957.1
4892810	5114305	5730826	5859720	5920649
66949.17	70080.94	78085.12	80850.95	80015.2
2.6	2.57	2.41	2.11	2.16
12	10.95	13.05	13.95	13.2
0.022725	0.034694	0.019487	0.02263	0.021718
0.022109	0.033597	0.018874	0.021948	0.021011
24210.29	25111.52	22333.46	29888.19	34475.93
71.74055	75.37049	67.28215	87.54686	101.0019
1451.1	2193.8	1228.22	1433.18	1379
0.029978	0.030213	0.030003	0.029531	0.029738
21766.5	32907	18423.3	21497.7	20685
233115.3	291810	117307.7	120089.7	130968.5
4.900131	4.885973	4.858265	5.01807	5.075265
2932.283	3199.589	4896.71	7824.032	7419.294
63664.16	63323.54	63115.64	63371.14	63681.8
13.58024	13.57709	13.5791	13.58729	13.5869
65632	65296	65072	65296	65632
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1451.1	2193.8	1228.22	1433.18	1379
256.8995	252.9999	242.3337	250.5974	241.043
74.05437	74.3083	74.00773	75.99177	77.26049
233650.8	292545	117937.7	120761.7	131588
305901.4	420851.6	150922.3	151737.7	168164.4
72250.56	128306.5	32984.6	30976.01	36576.4
305901.4	420851.6	150922.3	151737.7	168164.4
1574.13	1570.17	1887.87	1975.73	1917.76
209440.5	267433.5	95604.28	90873.54	97100.01
272300.7	385275.9	122470.5	114099.7	123570.1
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1451.1	2193.8	1228.22	1433.18	1379
0.309534	0.470368	0.264246	0.307285	0.294218
72250.56	128306.5	32984.6	30976.01	36576.4
72250.56	128306.5	32984.6	30976.01	36576.4
195.4856	213.3059	326.4473	521.6021	494.6196
24210.29	25111.52	22333.46	29888.19	34475.93
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3.29	4.21	6.17	8.85	9.22
29464.63	44274.13	25934.13	31348.92	30538.8
0.51	0.7	0.6	0.64	0.59
535.5	735	630	672	619.5
233650.8	292545	117937.7	120761.7	131588
233650.8	292545	117937.7	120761.7	131588
233115.3	291810	117307.7	120089.7	130968.5
1451.1	2193.8	1228.22	1433.18	1379
535.5	735	630	672	619.5
233650.8	292545	117937.7	120761.7	131588
1.54	2.77	9.74	10.13	9.54

11.29027	11.23885	11.08927	11.10601	11.14146
0.301982	0.313155	0.333299	0.335125	0.327394
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18453834	19194444	21049633	21750355	22219160
67615.38	69029.16	74731.48	76208.36	77108.42
499787.2	515782.3	538337.5	542936	533129.9
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5569762	5736699	5937749	5988688	5894824
11835760	12455690	12107028	12427021	12881595
3.649455	3.731615	3.651671	3.723506	3.809794
9477996	9733710	10315567	10515397	10522829
75589.97	91582.82	95841.16	120959.6	125307.3
1655302	1646988	1614916	1620012	1628438
353.0934	353.1279	347.4431	347.344	347.4371

1720965	1712154	1678393	1684170	1692837
367.1	367.1	361.1	361.1	361.177
499787.2	515782.3	538337.5	542936	533129.9
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42.83241	43.66842	42.14962	43.05492	44.12824
22835555	23792356	24042890	24607391	25076304
29084743	30303348	26888304	27515791	28162302
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19862.85	19813.74	21059.27	21277.01	21244.91
3779122	3987265	2365440	2215398	2206519
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51429.79	56479.08	38654.69	37157.13	33949.73
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448357.4	459303.2	499682.8	505778.9	499060.9
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3887.32	3830.68	3960.18	3991.37	4068.54
3647325	3738744	3686008	3768444	3824097
54.65	51.7	48.2	48.39	47.61
605640.7	614232.9	631197.5	645240.1	648659
25605028	26605930	27024973	27607282	28029629
25605028	26605930	27024973	27607282	28029629
21313756	22189400	22422595	22942418	23404424
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25605028	26605930	27024973	27607282	28029629
916158.2	988723	989097.6	1019733	1023220
324.19	334.62	374.79	381.05	325.56
44697884	46367868	48244021	50117520	51246484
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3880.63	3823.9	3953.65	3985.6	4063.7
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44697884	46367868	48244021	50117520	51246484
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44697884	46367868	48244021	50117520	51246484
44697884	46367868	48244021	50117520	51246484
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1280465	1295016	1306714	1331493	1350918
7375342	7733421	12138577	12898355	13306695
3880.63	3823.9	3953.65	3985.6	4063.7
294.1929	295.9326	327.7106	332.5118	341.4475

102.3461	104.5904	115.8137	118.6841	122.5455
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44697884	46367868	48244021	50117520	51246484
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1280465	1295016	1306714	1331493	1350918
44697884	46367868	48244021	50117520	51246484
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44697884	46367868	48244021	50117520	51246484
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1701970	1762933	1811042	1845432	1848560
				1.002933
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				0.181458
30.06353	29.94861	30.11881	35.26024	28.4229
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1701970	1762933	1811042	1845432	1848560
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3.4	3.12	3.58	3.39	3.7
1261087	1272500	1284933	1316272	1329954
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1701970	1762933	1811042	1845432	1848560
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87686.05	87628.58	52016.85	52146.34	52277.17
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3013057	3100762	1886013	1913473	1943284
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87686.05	87628.58	52016.85	52146.34	52277.17
3013057	3100762	1886013	1913473	1943284
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98525.24	98463.66	52016.85	52146.34	52277.17
3385521	3484189	1886013	1913473	1943284

	10.71871	26.2914		23.44462
	0.107187	0.262913		0.468892
98525.24	98463.66	52016.85	52146.34	52277.17
21.01648	21.11142	11.19123	11.1806	11.15365
3385521	3484189	1886013	1913473	1943284
3385521	3484189	1886013	1913473	1943284
98525.24	98463.66	52016.85	52146.34	52277.17
-3385521	-3484189	-1886013	-1913473	-1943284
-3385521	-3484189	-1886013	-1913473	-1943284
	0.03	0.03		0.04
1280465	1295016	1299578	1323545	1343294
98525.24	98463.66	52016.85	52146.34	52277.17
98525.24	98463.66	52016.85	52146.34	52277.17
3385521	3484189	1886013	1913473	1943284
3385521	3484189	1886013	1913473	1943284
49156.58	49081.44	49029.5	49139.07	49127.34
1679362	1737551	1785414	1821485	1825020
			16.27545	13.53928
			0.162754	0.135392
49156.58	49081.44	49029.5	49139.07	49127.34
10.48562	10.52346	10.54852	10.53582	10.48162
1679362	1737551	1785414	1821485	1825020
1679362	1737551	1785414	1821485	1825020
49156.58	49081.44	49029.5	49139.07	49127.34
-1679362	-1737551	-1785414	-1821485	-1825020

-1679362	-1737551	-1785414	-1821485	-1825020
			0.02	0.01
1261072	1273598	1281763	1322830	1330091
49156.58	49081.44	49029.5	49139.07	49127.34
49156.58	49081.44	49029.5	49139.07	49127.34
1679362	1737551	1785414	1821485	1825020
1679362	1737551	1785414	1821485	1825020
47132.7	47059.2	46965.89	47155.18	47093.04
1615063	1669945	1717663	1755888	1759504
32.80807			46.5155	18.38358
0.32808			0.465154	0.367671
47132.7	47059.2	46965.89	47155.18	47093.04
10.0539	10.08988	10.10454	10.11046	10.04759
1615063	1669945	1717663	1755888	1759504
1615063	1669945	1717663	1755888	1759504
47132.7	47059.2	46965.89	47155.18	47093.04
-1615063	-1669945	-1717663	-1755888	-1759504
-1615063	-1669945	-1717663	-1755888	-1759504
0.01			0.05	0.02
1253842	1271242	1279160	1312290	1325890
47132.7	47059.2	46965.89	47155.18	47093.04
47132.7	47059.2	46965.89	47155.18	47093.04
1615063	1669945	1717663	1755888	1759504
1615063	1669945	1717663	1755888	1759504
42361.49	42305.83	41865.74	42160.45	42434.71
1433747	1500682	1511792	1540472	1568964
42361.49	42305.83	41865.74	42160.45	42434.71
9.036154	9.070719	9.007258	9.039547	9.053702

1433747	1500682	1511792	1540472	1568964
1433747	1500682	1511792	1540472	1568964
42361.49	42305.83	41865.74	42160.45	42434.71
-1433747	-1500682	-1511792	-1540472	-1568964
-1433747	-1500682	-1511792	-1540472	-1568964
1272267	1280728	1258790	1282026	1302176
42361.49	42305.83	41865.74	42160.45	42434.71
42361.49	42305.83	41865.74	42160.45	42434.71
1433747	1500682	1511792	1540472	1568964
1433747	1500682	1511792	1540472	1568964
45695.02	51449.11	52016.85	52146.34	52277.17
1535548	1818918	1876201	1903633	1933463
45695.02	51449.11	52016.85	52146.34	52277.17
9.747231	11.03111	11.19123	11.1806	11.15365
1535548	1818918	1876201	1903633	1933463
1535548	1818918	1876201	1903633	1933463
45695.02	51449.11	52016.85	52146.34	52277.17
-1535548	-1818918	-1876201	-1903633	-1933463
-1535548	-1818918	-1876201	-1903633	-1933463
1274486	1287321	1299578	1323545	1343294
45695.02	51449.11	52016.85	52146.34	52277.17

45695.02	51449.11	52016.85	52146.34	52277.17
1535548	1818918	1876201	1903633	1933463
1535548	1818918	1876201	1903633	1933463
420310.9	425665.9	343517.8	344625.4	345197.3
14364269	15074979	12474139	12693854	12822079
				1.002933
				0.012961
				0.181458
30.08358	29.94865	30.15021	35.21041	28.11514
11.7326	11.67997	11.15558	14.78837	11.80836
420310.9	425665.9	343517.8	344625.4	345197.3
89.65676	91.26628	73.90658	73.89051	73.64994
14364269	15074979	12474139	12693854	12822079
14364269	15074979	12474139	12693854	12822079
420310.9	425665.9	343517.8	344625.4	345197.1
-1.4E+07	-1.5E+07	-1.2E+07	-1.3E+07	-1.3E+07
-1.4E+07	-1.5E+07	-1.2E+07	-1.3E+07	-1.3E+07
3.41	3.15	3.61	3.46	3.77
8883683	8975421	9003381	9204052	9317995
420310.9	425665.9	343517.8	344625.4	345197.3
420310.9	425665.9	343517.8	344625.4	345197.3
14364269	15074979	12474139	12693854	12822079
14364269	15074979	12474139	12693854	12822079

11.29027	11.23885	11.08927	11.10601	11.14146
0.301982	0.313155	0.333299	0.335125	0.327394
0.290411	0.301247	0.320745	0.322375	0.314932
44697884	46367868	48244021	50117520	51246484
25829176	26927864	33188210	34648711	35525856
92972.95	95157.24	115632	119005.7	120701.3
-360366	-353568	-424859	-443932	-472591
0.034559	0.034404	0.035367	0.035436	0.035402
5569762	5736699	5937749	5988688	5894824
11835760	12455690	12107028	12427021	12881595
3.649455	3.731615	3.651671	3.723506	3.809794
9477996	9733710	10315567	10515397	10522829
75589.97	91582.82	95841.16	120959.6	125307.3
1655302	1646988	1614916	1620012	1628438
353.0934	353.1279	347.4431	347.344	347.4371
1720965	1712154	1678393	1684170	1692837
367.1	367.1	361.1	361.1	361.177
499787.2	515782.3	538337.5	542936	533129.9
3028.267	2928.138	2635.799	2649.528	2697.63
42.83241	43.66842	42.14962	43.05492	44.12824
22835555	23792356	24042890	24607391	25076304
29084743	30303348	26888304	27515791	28162302
1280465	1295016	1306714	1331493	1350918
6249188	6510992	2845414	2908399	3085998
43449012	45378327	39362444	40209645	40984381
19862.85	19813.74	21059.27	21277.01	21244.91
3779122	3987265	2365440	2215398	2206519
27.20403	27.89831	29.58388	30.13904	30.34318
7375342	7733421	12138577	12898355	13306695
3880.63	3823.9	3953.65	3985.6	4063.7
294.1929	295.9326	327.7106	332.5118	341.4475

5.386636	5.504756	6.812569	7.417756	6.808085
411796.3	410047.1	463513.3	481089	506660.4
6227298	6849014	3365915	3099513	3145523
7.614675	7.266722	8.872592	9.528493	7.993777
51429.79	56479.08	38654.69	37157.13	33949.91
53.99318	55.3688	58.44536	59.89382	61.98884
53.73719	55.21293	58.2176	59.79261	61.87758
-360366	-353568	-424859	-443932	-472591
-76.87	-75.8079	-91.4068	-95.1827	-100.83
-2.7E+07	-2.8E+07	-3.6E+07	-3.8E+07	-3.8E+07
-20.9823	-21.3091	-27.4748	-28.1957	-28.3443
-2.7E+07	-2.8E+07	-3.6E+07	-3.8E+07	-3.8E+07
868668.3	884969.1	843200.6	850404.2	844257.9
18453834	19194444	21049633	21750355	22219160
24084427	24781898	32924468	34515267	35338406
25232471	25666304	41697130	44314109	45499579
13811473	14009182	13996102	14303989	14493013
54.65	51.7	48.2	48.39	47.61
605640.7	614232.9	631197.5	645240.1	648659
70302912	72973798	75268995	77724802	79276113
70302912	72973798	75268995	77724802	79276113
21313756	22189400	22422595	22942418	23404424
920098.1	941448.2	881855.3	887561.4	878327.2
605640.7	614232.9	631197.5	645240.1	648659
70302912	72973798	75268995	77724802	79276113
916158.2	988723	989097.6	1019733	1023220
420310.9	425665.9	343517.8	344625.4	345197.3
14364269	15074979	12474139	12693854	12822079
14364269	15074979	12474139	12693854	12822079

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl - SD_IRP_MainPortfolio With County Wind Proje
Date Intervals	Monthly
Stats	MEAN
Peak Period Label	Off Peak Wrap

Value	Column Labels				
Row Labels	2017-01	2017-02	2017-03	2017-04	2017-05
Fixed Cost					
FIXEDCOST - Fixed Cost	3076588.1	2762650.5	2951013	3139375.6	3076588.1
NETREVENUE - Net Revenue $	-3076588.1	-2762650.5	-2951013	-3139375.6	-3076588
NETREVENUEUNHEDGED - Net Revenue without hedges	-3076588.1	-2762650.5	-2951013	-3139375.6	-3076588
NWECOSTS - NWE Costs	3076588.1	2762650.5	2951013	3139375.6	3076588.1
NWECOSTSMPS - NWE Costs w/ MPS	3076588.1	2762650.5	2951013	3139375.6	3076588.1
TOTALCOSTOFSUPPLY - Total Cost of Supply	3076588.1	2762650.5	2951013	3139375.6	3076588.1
Forward Curve					
N/A					
Aberdeen					
MARKETPRICE - Market Price $/Unit	25.57	22.319999	18.22	14.32	16.269999
Basis\CO2 SD Triangular					
MARKETPRICE - Market Price $/Unit	0	0	0	0	0
Beethoven					
MARKETPRICE - Market Price $/Unit	25.44	22.189999	18.09	14.19	16.139999
Big Stone					
MARKETPRICE - Market Price $/Unit	25.54	22.289999	18.19	14.29	16.239999
Coyote					
MARKETPRICE - Market Price $/Unit	24.789999	21.54	17.44	13.539999	15.49
Huron					
MARKETPRICE - Market Price $/Unit	25.079999	21.83	17.73	13.829999	15.78
Load					
MARKETPRICE - Market Price $/Unit	$ 25.52	$ 22.27	$ 18.17	$ 14.27	$ 16.22
Neal					
MARKETPRICE - Market Price $/Unit	$ 25.56	$ 22.31	$ 18.21	$ 14.31	$ 16.26
Oil2 - SD					

MARKETPRICE - Market Price $/Unit	17.96963	17.96963	17.96963	17.96963	17.96963
PRB - SD 8400					
MARKETPRICE - Market Price $/Unit	0.89	0.89	0.89	0.889999	0.89
SPP - IND HUB					
MARKETPRICE - Market Price $/Unit	25.25	22	17.9	14	15.95
VENTURA - AECO					
MARKETPRICE - Market Price $/Unit		3.694825	3.308385	3.002444	2.827719
N/A - Total					
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
Forward Curve - Total					
Forward Curve - Total - Total					
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
Generation Asset					
Aberdeen					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.031862	0.034943	0.025053	0.034075	0.03176
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	8538.975	7643.25	8248.05	8693.325	8539.875
GENCAPACITYMW - Net Thermal Generation Capacity	21.783099	21.713778	21.9948	21.733312	21.785395
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	8820	7920	8460	9000	8820
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5	22.56	22.5	22.5
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					

GROSSREVENUE - Gross Revenue, $				
HOURSRUN - Runtime Hours				
MARKETGENERATIONCOST - Market Sales Generation Costs				
MARKETSALES - Spot Sales $				
MARKETSALESMW - Spot Sales				
MARKETSALESMWH - Spot Sales MWh				
MCP - MCP				
MCPMINSPOTPRICE - MCP min spot price				
NETPOS - Net Position (MWh)				
NETPOSMW - Net position per MW				
NETREVENUE - Net Revenue $				
NETREVENUEUNHEDGED - Net Revenue without hedges				
NLGENERATION - Native Load Generation MWh				
NLGENERATIONCOST - Native Load Generation Costs				
NonZeroMCPHour - Market sales hours greater than colstrip price				
NWECOSTS - NWE Costs				
NWECOSTSMPS - NWE Costs w/ MPS				
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load				
STARTS - Number Starts				
STARTUPCOST - StartupCost				
TOTALCOSTOFSUPPLY - Total Cost of Supply				
TOTALCOSTS - Total Cost				
TOTALFUELCOST - Total Fuel Cost				
TOTALGEN - All Generation				
TOTALSTARTUPCOST - TotalStartupCost				
TOTALVARIABLECOST - Variable Costs $				
VOMCOSTS - VOM Costs				
Aberdeen GS2				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	8.288719	7.064249	0.65933	4.23855
CAPACITYFACTOR - Net Generation Capacity Factor	0.057571	0.013616	0.000426	0.013419
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.055568	0.013218	0.000425	0.012984
COSTTOSERVELOAD - Cost to Serve Load	3204.0024	610.79724		531.48499
COSTTOSERVELOADPMW - Cost to Serve Load PMW	14.134638	3.022017		2.895761
EXPORTGENERATION - Export generation	1134.48	288.26	9.86	295.22

FO - Forced Outage Rate	0.029795	0.037556	0.029574	0.0291	0.028877
FUELCONSUMED - Fuel Consumed		10685.667	2715.1209	92.87134	2780.6772
FUELCOST - Fuel Cost		30776.469	7564.1816	294.29506	7997.6378
FUELCOSTPMMBTU - Cost, $/mmBtu		2.543876	2.082299	0.224645	1.269104
GASNLFUELCONSUMED - Native Load Gas Used		960.20223	211.21073		142.05749
GENCAPACITY - Net Thermal Generation Capacity MWh	22058.56	19649.24	21163.04	22524.88	22079.44
GENCAPACITYMW - Net Thermal Generation Capacity	56.271836	55.821704	56.434773	56.3122	56.325102
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	22736	20416	21808	23200	22736
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58	58.154666	58	58
GENERATION - Thermal Generation MWh		1134.48	288.26	9.86	295.22
GENERATIONCOSTPMW - Generation Cost		30.545657	25.188346	2.64801	15.313277
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		30.545657	25.188346	2.64801	15.313277
GENERATIONCOSTS - Thermal Generation Costs		39090.053	9686.0026	368.43926	10150.434
GENERATIONGROSSREVENUE - Gross Generation Revenue		45541.968	10658.654	377.79176	11379.893
GENERATIONNETREVENUE - Net Revenue Generation		6451.9155	972.65178	9.352497	1229.4587
GROSSREVENUE - Gross Revenue, $		45541.968	10658.654	377.79176	11379.893
HOURSRUN - Runtime Hours		238.32	277.6	254.42	211.49
MARKETGENERATIONCOST - Market Sales Generation Costs		35886.05	9075.2053	368.43926	9618.9492
MARKETSALES - Spot Sales $		41634.255	9977.2112	377.79176	10769.138
MARKETSALESMW - Spot Sales		49.002718	40.223888	4.06	25.070424
MARKETSALESMWH - Spot Sales MWh		1032.5369	265.8361	9.86	280.13799
MCP - MCP		35.210168	29.788894		34.747991
MCPMINSPOTPRICE - MCP min spot price		17.86246	7.149334		5.86741
NETPOS - Net Position (MWh)		1134.48	288.26	9.86	295.22
NETPOSMW - Net position per MW		3.222954	0.768693	0.02465	0.753112
NETREVENUE - Net Revenue $		6451.9155	972.65178	9.352497	1229.4587
NETREVENUEUNHEDGED - Net Revenue without hedges		6451.9155	972.65178	9.352497	1229.4587
NLGENERATION - Native Load Generation MWh		101.94312	22.423901		15.082014
NLGENERATIONCOST - Native Load Generation Costs		3204.0024	610.79724		531.48499
NonZeroMCPHour - Market sales hours greater than colstrip price		11.64	3.37	0.17	3.95
NWECOSTS - NWE Costs		-6451.9155	-972.65178	-9.352497	-1229.459
NWECOSTSMPS - NWE Costs w/ MPS		-48086.171	-10949.863	-387.14426	-11998.6
OTHERMCPHOUR - Other MCP Hours		0.4	0.06		0.05
PORTFOLIOLOADNATIVE - Portfolio Load		4348.0261	1013.9217	31.2843	906.3486
STARTS - Number Starts		0.57	0.17	0.01	0.12

STARTUPCOST - StartupCost		213.3966	63.6446	3.7438	44.9256
TOTALCOSTOFSUPPLY - Total Cost of Supply		39090.053	9686.0026	368.43926	10150.434
TOTALCOSTS - Total Cost		39090.053	9686.0026	368.43926	10150.434
TOTALFUELCOST - Total Fuel Cost		30776.469	7564.1816	294.29506	7997.6378
TOTALGEN - All Generation		1134.48	288.26	9.86	295.22
TOTALSTARTUPCOST - TotalStartupCost		213.3966	63.6446	3.7438	44.9256
TOTALVARIABLECOST - Variable Costs $		39090.053	9686.0026	368.43926	10150.434
VOMCOSTS - VOM Costs		8100.1872	2058.1764	70.4004	2107.8708
zeroMCPHour - Market sales hours less than colstrip price					
Big Stone					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.869537	10.996643	11.220368	11.497652	11.35901
CAPACITYFACTOR - Net Generation Capacity Factor	0.690353	0.607939	0.494886	0.408063	0.449483
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.669306	0.586516	0.473862	0.391892	0.433374
COSTTOSERVELOAD - Cost to Serve Load	395637.22	341044.83	301933.24	259969.62	381265.79
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1731.7561	1556.3482	1578.2996	1517.762	2276.8157
EXPORTGENERATION - Export generation	29122.872	22916.384	19777.116	17400.026	18856.996
FO - Forced Outage Rate	0.032321	0.035681	0.043297	0.04105	0.036301
FUELCONSUMED - Fuel Consumed	315626.07	251312.65	221733.89	199970.36	213952.81
FUELCOST - Fuel Cost	280574.56	223619.53	197883.8	178189.22	190737.25
FUELCOSTPMMBTU - Cost, $/mmBtu	2.3267	2.3267	2.3267	2.3267	2.3267
FUELDELIVERYCOST - Fuel Delivery Cost	453459.97	361060.88	318565.08	287297.41	307386
GENCAPACITY - Net Thermal Generation Capacity MWh	42105.63	37677.84	39928.92	42577.38	41932.47
GENCAPACITYMW - Net Thermal Generation Capacity	107.41232	107.03932	106.47712	106.44345	106.97059
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	43512	39072	41736	44400	43512
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111	111.296	111	111
GENERATION - Thermal Generation MWh	29122.872	22916.384	19777.116	17400.026	18856.996
GENERATIONCOSTPMW - Generation Cost	26.901823	27.229919	27.833458	28.592961	28.181031
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	26.661124	26.955376	27.473247	28.119622	27.796272
GENERATIONCOSTS - Thermal Generation Costs	780068.17	621850.25	550328.45	496975.75	530814.43
GENERATIONGROSSREVENUE - Gross Generation Revenue	847903.78	591026.29	413863.2	263424.14	341922.96
GENERATIONNETREVENUE - Net Revenue Generation	67835.615	-30823.957	-136465.25	-233551.61	-188891.5
GROSSREVENUE - Gross Revenue, $	847903.78	591026.29	413863.2	263424.14	341922.96
HOURSRUN - Runtime Hours	379.33	339.44	359.72	383.58	377.77
MARKETGENERATIONCOST - Market Sales Generation Costs	378295.65	275031.02	241610.29	229355.06	142691.54
MARKETSALES - Spot Sales $	467265.67	315662.77	230145.42	138504.36	112359.65

MARKETSALESMW - Spot Sales	60.326968	55.71961	47.417486	33.811043	32.631669
MARKETSALESMWH - Spot Sales MWh	14485.701	10471.774	8985.1778	8218.6401	5235.7796
MCP - MCP	22.472841	21.00061	20.193698	21.299038	19.689548
MCPMINSPOTPRICE - MCP min spot price	21.334187	19.462257	16.334887	13.574456	15.706203
NETPOS - Net Position (MWh)	29122.872	22916.384	19777.116	17400.026	18856.996
NETPOSMW - Net position per MW	74.29304	65.103363	52.738976	43.500065	48.104581
NETREVENUE - Net Revenue $	-97142.129	-162185.08	-252365.55	-338076.12	-300724.6
NETREVENUEUNHEDGED - Net Revenue without hedges	-97142.129	-162185.08	-252365.55	-338076.12	-300724.6
NLGENERATION - Native Load Generation MWh	14637.171	12444.61	10791.938	9181.3859	13621.216
NLGENERATIONCOST - Native Load Generation Costs	395637.22	341044.83	301933.24	259969.62	381265.79
NonZeroMCPHour - Market sales hours greater than colstrip price	225.97	152.86	151.95	143.1	107.22
NWECOSTS - NWE Costs	-67835.615	30823.957	136465.25	233551.61	188891.46
NWECOSTSMPS - NWE Costs w/ MPS	-535101.29	-284838.82	-93680.177	95047.253	76531.813
OTHERMCPHOUR - Other MCP Hours	139.05	151.85	161.18	130.07	208.07
PO - Planned Outage Rate					
PORTFOLIOLOADNATIVE - Portfolio Load	83672.415	71732.833	66402.432	63121.751	60997.916
STARTS - Number Starts	0.85	0.8	0.94	1.06	0.95
STARTUPCOST - StartupCost	6135.3	5774.4	6784.92	7651.08	6857.1
TOTALCOSTOFSUPPLY - Total Cost of Supply	945045.91	753211.37	666228.75	601500.26	642647.56
TOTALCOSTS - Total Cost	945045.91	753211.37	666228.75	601500.26	642647.56
TOTALFUELCOST - Total Fuel Cost	734034.53	584680.41	516448.88	465486.64	498123.24
TOTALGEN - All Generation	29122.872	22916.384	19777.116	17400.026	18856.996
TOTALSTARTUPCOST - TotalStartupCost	6135.3	5774.4	6784.92	7651.08	6857.1
TOTALVARIABLECOST - Variable Costs $	945045.91	753211.37	666228.75	601500.26	642647.56
VOMCOSTS - VOM Costs	39898.335	31395.446	27094.649	23838.036	25834.085
zeroMCPHour - Market sales hours less than colstrip price	4.5	6.76	31.15	97.49	45.24
Clark					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.043698	0.02571	0.030239	0.0345	0.036709
FUELCONSUMED - Fuel Consumed					

FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1124.61	1028.85	1093.89	1158.6	1132.83
GENCAPACITYMW - Net Thermal Generation Capacity	2.868903	2.922869	2.91704	2.8965	2.889872
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1176	1056	1128	1200	1176
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3.008	3	3
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					
HOURSRUN - Runtime Hours					
MARKETGENERATIONCOST - Market Sales Generation Costs					
MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					
TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					

TOTALVARIABLECOST - Variable Costs $					
Coyote					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.329909	11.482929	11.751656	12.260532	11.95628
CAPACITYFACTOR - Net Generation Capacity Factor	0.775502	0.70546	0.58894	0.462988	0.518381
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.741454	0.673579	0.565599	0.442595	0.34286
COSTTOSERVELOAD - Cost to Serve Load	253059.76	208826.97	178650.51	141487.87	126834.3
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1113.2826	957.04219	930.59658	827.01884	754.1392
EXPORTGENERATION - Export generation	12497.96	10195.3	9144.61	7612.64	5779.26
FO - Forced Outage Rate	0.044234	0.045909	0.040478	0.042975	0.050688
FUELCONSUMED - Fuel Consumed	141238.99	116558.49	107367.99	93211.816	68893.77
FUELCOST - Fuel Cost	125574.25	103817.73	95681.694	83101.535	61381.661
FUELCOSTPMMBTU - Cost, $/mmBtu	1.8684	1.8684	1.868399	1.868399	1.868399
FUELDELIVERYCOST - Fuel Delivery Cost	138188.23	114040.83	105048.84	91198.441	67405.665
GENCAPACITY - Net Thermal Generation Capacity MWh	16110.38	14441.12	15513.54	16419.98	11121.95
GENCAPACITYMW - Net Thermal Generation Capacity	41.097908	41.025909	41.36944	41.04995	28.372321
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	16856	15136	16168	17200	16856
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43	43.114666	43	43
GENERATION - Thermal Generation MWh	12497.96	10195.3	9144.61	7612.64	5779.26
GENERATIONCOSTPMW - Generation Cost	22.406884	22.765482	23.291524	24.318965	24.426762
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	22.060042	22.34367	22.843075	23.793396	23.226301
GENERATIONCOSTS - Thermal Generation Costs	278919.76	230930.77	212724.84	184823.73	140392.57
GENERATIONGROSSREVENUE - Gross Generation Revenue	343776.72	250099.81	186128.84	115666.88	106183.94
GENERATIONNETREVENUE - Net Revenue Generation	64856.965	19169.043	-26595.999	-69156.845	-34208.63
GROSSREVENUE - Gross Revenue, $	343776.72	250099.81	186128.84	115666.88	106183.94
HOURSRUN - Runtime Hours	374.66	335.84	360.78	381.63	258.65
MARKETGENERATIONCOST - Market Sales Generation Costs	21825.897	18105.402	30218.729	39587.359	7096.568
MARKETSALES - Spot Sales $	29860.884	22756.291	33893.309	30774.224	5677.9671
MARKETSALESMW - Spot Sales	17.860059	18.373187	20.976022	17.227471	11.096282
MARKETSALESMWH - Spot Sales MWh	1017.1578	840.78407	1383.2672	1722.6738	310.81224
MCP - MCP	22.025214	20.947529	20.621079	21.309939	21.414316
MCPMINSPOTPRICE - MCP min spot price	21.917251	20.465288	18.964404	15.03687	16.529389
NETPOS - Net Position (MWh)	12497.96	10195.3	9144.61	7612.64	5779.26
NETPOSMW - Net position per MW	31.882551	28.96392	24.385626	19.0316	14.74301
NETREVENUE - Net Revenue $	-8968.6547	-41756.079	-82717.249	-117878.66	-70219.4
NETREVENUEUNHEDGED - Net Revenue without hedges	-8968.6547	-41756.079	-82717.249	-117878.66	-70219.4

NLGENERATION - Native Load Generation MWh	11480.802	9354.5159	7761.3428	5889.9662	5468.4478
NLGENERATIONCOST - Native Load Generation Costs	253059.76	208826.97	178650.51	141487.87	126834.3
NonZeroMCPHour - Market sales hours greater than colstrip price	2.95	3.11	4.71	4.17	1.12
NWECOSTS - NWE Costs	-64856.965	-19169.043	26595.999	69156.845	34208.625
NWECOSTSMPS - NWE Costs w/ MPS	-94717.849	-41925.333	-7297.3102	38382.621	28530.658
OTHERMCPHOUR - Other MCP Hours	16.97	16.39	20.91	19.03	13.63
PO - Planned Outage Rate				0.0025	0.303571
PORTFOLIOLOADNATIVE - Portfolio Load	82009.714	70328.99	66382.558	62808.12	40353.464
STARTS - Number Starts	1.13	1.12	1.08	1.05	1.81
STARTUPCOST - StartupCost	4034.1	3998.4	3855.6	3748.5	6461.7
TOTALCOSTOFSUPPLY - Total Cost of Supply	352745.38	291855.89	268846.09	233545.54	176403.34
TOTALCOSTS - Total Cost	352745.38	291855.89	268846.09	233545.54	176403.34
TOTALFUELCOST - Total Fuel Cost	263762.48	217858.55	200730.54	174299.98	128787.33
TOTALGEN - All Generation	12497.96	10195.3	9144.61	7612.64	5779.26
TOTALSTARTUPCOST - TotalStartupCost	4034.1	3998.4	3855.6	3748.5	6461.7
TOTALVARIABLECOST - Variable Costs $	352745.38	291855.89	268846.09	233545.54	176403.34
VOMCOSTS - VOM Costs	11123.184	9073.817	8138.7029	6775.2496	5143.5414
zeroMCPHour - Market sales hours less than colstrip price		0.02	0.42	3.01	0.77
Faulkton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.030357	0.029857	0.03351	0.02155	0.019464
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1140.3	1024.47	1090.2	1174.14	1153.11
GENCAPACITYMW - Net Thermal Generation Capacity	2.908928	2.910426	2.9072	2.93535	2.941607
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1176	1056	1128	1200	1176
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3.008	3	3
GENERATION - Thermal Generation MWh					

GENERATIONCOSTPMW - Generation Cost			
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder			
GENERATIONCOSTS - Thermal Generation Costs			
GENERATIONGROSSREVENUE - Gross Generation Revenue			
GENERATIONNETREVENUE - Net Revenue Generation			
GROSSREVENUE - Gross Revenue, $			
HOURSRUN - Runtime Hours			
MARKETGENERATIONCOST - Market Sales Generation Costs			
MARKETSALES - Spot Sales $			
MARKETSALESMW - Spot Sales			
MARKETSALESMWH - Spot Sales MWh			
MCP - MCP			
MCPMINSPOTPRICE - MCP min spot price			
NETPOS - Net Position (MWh)			
NETPOSMW - Net position per MW			
NETREVENUE - Net Revenue $			
NETREVENUEUNHEDGED - Net Revenue without hedges			
NLGENERATION - Native Load Generation MWh			
NLGENERATIONCOST - Native Load Generation Costs			
NonZeroMCPHour - Market sales hours greater than colstrip price			
NWECOSTS - NWE Costs			
NWECOSTSMPS - NWE Costs w/ MPS			
OTHERMCPHOUR - Other MCP Hours			
PORTFOLIOLOADNATIVE - Portfolio Load			
STARTS - Number Starts			
TOTALCOSTOFSUPPLY - Total Cost of Supply			
TOTALCOSTS - Total Cost			
TOTALFUELCOST - Total Fuel Cost			
TOTALGEN - All Generation			
TOTALVARIABLECOST - Variable Costs $			
Huron			
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	9.851586	5.323193	2.242706
CAPACITYFACTOR - Net Generation Capacity Factor	0.018247	0.002855	0.002554
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.017727	0.002797	0.002489
COSTTOSERVELOAD - Cost to Serve Load	326.28897	91.999252	74.514699

COSTTOSERVELOADPMW - Cost to Serve Load PMW		1.397789	0.519033		0.399347
EXPORTGENERATION - Export generation		312	52.6		48.8
FO - Forced Outage Rate	0.032295	0.030582	0.031422	0.032575	0.031849
FUELCONSUMED - Fuel Consumed		4405.2	737		686.8
FUELCOST - Fuel Cost		11305.176	1640.201		1940.9013
FUELCOSTPMMBTU - Cost, $/mmBtu		1.879655	0.884471		0.440435
GASNLFUELCONSUMED - Native Load Gas Used		156.70394	69.325175		29.404602
GENCAPACITY - Net Thermal Generation Capacity MWh	18935.2	17044.5	18240.3	19246.8	18977.1
GENCAPACITYMW - Net Thermal Generation Capacity	48.304081	48.421875	48.6408	48.117	48.410969
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	19600	17600	18800	20000	19600
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50	50.133333	50	50
GENERATION - Thermal Generation MWh		312	52.6		48.8
GENERATIONCOSTPMW - Generation Cost		38.013466	13.232933		7.0924
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		26.830483	12.507071		6.174562
GENERATIONCOSTS - Thermal Generation Costs		11427.464	1648.573		1942.1253
GENERATIONGROSSREVENUE - Gross Generation Revenue		13103.835	1805.8429		2149.0922
GENERATIONNETREVENUE - Net Revenue Generation		1676.3703	157.2699		206.96688
GROSSREVENUE - Gross Revenue, $		13103.835	1805.8429		2149.0922
HOURSRUN - Runtime Hours		281.7	336.03	309.96	294.76
MARKETGENERATIONCOST - Market Sales Generation Costs		11101.175	1556.5737		1867.6106
MARKETSALES - Spot Sales $		12679.467	1696.42		2065.092
MARKETSALESMW - Spot Sales		15.072668	7.675718		3.221985
MARKETSALESMWH - Spot Sales MWh		300.80686	47.648201		46.699671
MCP - MCP		33.292306	27.257146		38.956372
MCPMINSPOTPRICE - MCP min spot price		3.582663	0.817714		0.779127
NETPOS - Net Position (MWh)		312	52.6		48.8
NETPOSMW - Net position per MW		0.886363	0.140266		0.124489
NETREVENUE - Net Revenue $		1676.3703	157.2699		206.96688
NETREVENUEUNHEDGED - Net Revenue without hedges		1676.3703	157.2699		206.96688
NLGENERATION - Native Load Generation MWh		11.193138	4.951798		2.100328
NLGENERATIONCOST - Native Load Generation Costs		326.28897	91.999252		74.514699
NonZeroMCPHour - Market sales hours greater than colstrip price		4.51	0.63		0.78
NWECOSTS - NWE Costs		-1676.3703	-157.2699		-206.9669
NWECOSTSMPS - NWE Costs w/ MPS		-14355.838	-1853.6899		-2272.059
OTHERMCPHOUR - Other MCP Hours		0.02			

PORTFOLIOLOADNATIVE - Portfolio Load		1942.5674	262.9306		235.8412
STARTS - Number Starts		0.25	0.02		
STARTUPCOST - StartupCost		109.64	8.168		
TOTALCOSTOFSUPPLY - Total Cost of Supply		11427.464	1648.573		1942.1253
TOTALCOSTS - Total Cost		11427.464	1648.573		1942.1253
TOTALFUELCOST - Total Fuel Cost		11305.176	1640.201		1940.9013
TOTALGEN - All Generation		312	52.6		48.8
TOTALSTARTUPCOST - TotalStartupCost		109.64	8.168		
TOTALVARIABLECOST - Variable Costs $		11427.464	1648.573		1942.1253
VOMCOSTS - VOM Costs		12.648	0.204		1.224
zeroMCPHour - Market sales hours less than colstrip price					
Mobile Unit					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.029872	0.031107	0.024574	0.0277	0.035306
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1521.16	1364.2	1467.04	1555.68	1512.64
GENCAPACITYMW - Net Thermal Generation Capacity	3.88051	3.875568	3.912106	3.8892	3.858775
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1568	1408	1504	1600	1568
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4	4.010666	4	4
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					
HOURSRUN - Runtime Hours					

MARKETGENERATIONCOST - Market Sales Generation Costs					
MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NonZeroMCPHour - Market sales hours greater than colstrip price					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					
TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					
TOTALVARIABLECOST - Variable Costs $					
Neal					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.142341	10.238023	10.366394	10.732871	
CAPACITYFACTOR - Net Generation Capacity Factor	0.694769	0.627377	0.491525	0.323768	
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.657688	0.593178	0.464212	0.303844	
COSTTOSERVELOAD - Cost to Serve Load	309011.68	251156.55	209518.82	141978.57	
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1362.6661	1153.4452	1087.3713	825.0653	
EXPORTGENERATION - Export generation	15107.896	12235.604	10228.268	7122.12	
FO - Forced Outage Rate	0.056938	0.05642	0.057792	0.06085	0.063724
FUELCONSUMED - Fuel Consumed	152849.48	124545.53	105870.2	76271.939	
FUELCOST - Fuel Cost	136003.87	110923.47	94529.675	68017.971	
FUELCOSTPMMBTU - Cost, $/mmBtu	1.9798	1.9798	1.9798	1.9798	
FUELDELIVERYCOST - Fuel Delivery Cost	166575.36	135729.72	115377.34	83121.16	

GENCAPACITY - Net Thermal Generation Capacity MWh	21663.248	19463.404	20760.222	21959.178	
GENCAPACITYMW - Net Thermal Generation Capacity	55.263387	55.293761	55.360591	54.897944	
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	22971.2	20627.2	22033.6	23440	22971.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.599999	58.6	58.756266	58.599999	58.599999
GENERATION - Thermal Generation MWh	15107.896	12235.604	10228.268	7122.12	
GENERATIONCOSTPMW - Generation Cost	22.251849	22.783811	23.081279	25.527436	
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.530426	20.718697	20.971131	21.695061	
GENERATIONCOSTS - Thermal Generation Costs	332374.04	273374.06	233943.18	178959.79	
GENERATIONGROSSREVENUE - Gross Generation Revenue	437060.78	320669.38	229044.31	122812.2	
GENERATIONNETREVENUE - Net Revenue Generation	104686.74	47295.323	-4898.8721	-56147.585	
GROSSREVENUE - Gross Revenue, $	437060.78	320669.38	229044.31	122812.2	
HOURSRUN - Runtime Hours	369.68	332.14	354.27	373.63	
MARKETGENERATIONCOST - Market Sales Generation Costs	366.11007	1002.6653	4990.9139	12365.512	
MARKETSALES - Spot Sales $	521.69876	1314.5551	5869.9682	10859.065	
MARKETSALESMW - Spot Sales	3.178873	5.493185	12.118131	13.199104	
MARKETSALESMWH - Spot Sales MWh	17.931173	49.435646	243.46657	581.88603	
MCP - MCP	22.019544	20.520391	20.545717	21.212593	
MCPMINSPOTPRICE - MCP min spot price	17.086926	16.130181	19.433439	15.707852	
NETPOS - Net Position (MWh)	15107.896	12235.604	10228.268	7122.12	
NETPOSMW - Net position per MW	38.540551	34.760238	27.275381	17.8053	
NETREVENUE - Net Revenue $	24792.318	-17804.626	-60237.224	-96014.927	
NETREVENUEUNHEDGED - Net Revenue without hedges	24792.318	-17804.626	-60237.224	-96014.927	
NLGENERATION - Native Load Generation MWh	15089.965	12186.168	9984.8014	6540.234	
NLGENERATIONCOST - Native Load Generation Costs	309011.68	251156.55	209518.82	141978.57	
NonZeroMCPHour - Market sales hours greater than colstrip price	0.07	0.11	0.11	0.39	
NWECOSTS - NWE Costs	-104686.74	-47295.323	4898.8721	56147.585	
NWECOSTSMPS - NWE Costs w/ MPS	-105208.44	-48609.878	-971.09608	45288.52	
OTHERMCPHOUR - Other MCP Hours	2.28	1.02	0.73	2.23	
PO - Planned Outage Rate				0.0025	1
PORTFOLIOLOADNATIVE - Portfolio Load	75634.189	65474.652	61522.415	57364.105	
STARTS - Number Starts	1.42	1.31	1.2	1.52	
STARTUPCOST - StartupCost	22996.247	21214.847	19433.448	24615.701	
TOTALCOSTOFSUPPLY - Total Cost of Supply	412268.46	338474.01	289281.54	218827.13	
TOTALCOSTS - Total Cost	412268.46	338474.01	289281.54	218827.13	
TOTALFUELCOST - Total Fuel Cost	302579.24	246653.19	209907.01	151139.13	

TOTALGEN - All Generation	15107.896	12235.604	10228.268	7122.12	
TOTALSTARTUPCOST - TotalStartupCost	22996.247	21214.847	19433.448	24615.701	
TOTALVARIABLECOST - Variable Costs $	412268.46	338474.01	289281.54	218827.13	
VOMCOSTS - VOM Costs	6798.5532	5506.0218	4602.7206	3204.954	
zeroMCPHour - Market sales hours less than colstrip price				0.09	
Yankton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		7.65	2.4		1.05
CAPACITYFACTOR - Net Generation Capacity Factor		0.012052	0.001315		0.001334
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.011789	0.001276		0.001198
COSTTOSERVELOAD - Cost to Serve Load		43.835818	1.542401		
COSTTOSERVELOADPMW - Cost to Serve Load PMW		0.182141	0.0089		
EXPORTGENERATION - Export generation		58.1	6.72		6.58
FO - Forced Outage Rate	0.02102	0.029545	0.025212	0.035225	0.031045
FUELCONSUMED - Fuel Consumed		871.5	100.8		98.7
FUELCOST - Fuel Cost		2181.3984	218.88118		275.97231
FUELCOSTPMMBTU - Cost, $/mmBtu		1.325019	0.360621		0.198041
GASNLFUELCONSUMED - Native Load Gas Used		18.534835	1.200769		
GENCAPACITY - Net Thermal Generation Capacity MWh	5372.64	4782.4	5131.28	5402.74	5317.62
GENCAPACITYMW - Net Thermal Generation Capacity	13.705714	13.586363	13.683413	13.50685	13.565357
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	5488	4928	5264	5600	5488
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14	14.037333	14	14
GENERATION - Thermal Generation MWh		58.1	6.72		6.58
GENERATIONCOSTPMW - Generation Cost		22.44597	5.409316		3.045628
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		22.44597	5.409316		3.045628
GENERATIONCOSTS - Thermal Generation Costs		2317.8984	218.88118		286.47231
GENERATIONGROSSREVENUE - Gross Generation Revenue		2542.5015	238.67281		301.02984
GENERATIONNETREVENUE - Net Revenue Generation		224.60314	19.791634		14.557529
GROSSREVENUE - Gross Revenue, $		2542.5015	238.67281		301.02984
HOURSRUN - Runtime Hours		136.59	189.93	180.34	175.12
MARKETGENERATIONCOST - Market Sales Generation Costs		2274.0626	217.33878		286.47231
MARKETSALES - Spot Sales $		2486.7091	236.76885		301.02984
MARKETSALESMW - Spot Sales		7.120797	2.229993		0.98
MARKETSALESMWH - Spot Sales MWh		56.864344	6.639948		6.58
MCP - MCP		38.017091	19.267672		
MCPMINSPOTPRICE - MCP min spot price		1.140512	0.192676		

NETPOS - Net Position (MWh)		58.1	6.72		6.58
NETPOSMW - Net position per MW		0.165056	0.01792		0.016785
NETREVENUE - Net Revenue $		224.60314	19.791634		14.557529
NETREVENUEUNHEDGED - Net Revenue without hedges		224.60314	19.791634		14.557529
NLGENERATION - Native Load Generation MWh		1.235655	0.080051		
NLGENERATIONCOST - Native Load Generation Costs		43.835818	1.542401		
NonZeroMCPHour - Market sales hours greater than colstrip price		2.8	0.38		0.41
NWECOSTS - NWE Costs		-224.60314	-19.791634		-14.55753
NWECOSTSMPS - NWE Costs w/ MPS		-2711.3123	-256.56048		-315.5874
OTHERMCPHOUR - Other MCP Hours		0.04			
PORTFOLIOLOADNATIVE - Portfolio Load		918.0878	94.1048		85.6181
STARTS - Number Starts		0.13			0.01
STARTUPCOST - StartupCost		136.5			10.5
TOTALCOSTOFSUPPLY - Total Cost of Supply		2317.8984	218.88118		286.47231
TOTALCOSTS - Total Cost		2317.8984	218.88118		286.47231
TOTALFUELCOST - Total Fuel Cost		2181.3984	218.88118		275.97231
TOTALGEN - All Generation		58.1	6.72		6.58
TOTALSTARTUPCOST - TotalStartupCost		136.5			10.5
TOTALVARIABLECOST - Variable Costs $		2317.8984	218.88118		286.47231
zeroMCPHour - Market sales hours less than colstrip price					
Generation Asset - Total					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.779489	10.89683	11.113942	11.507123	11.481697
CAPACITYFACTOR - Net Generation Capacity Factor	0.409175	0.377477	0.297667	0.228314	0.223523
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.394214	0.362576	0.286152	0.218909	0.173636
COSTTOSERVELOAD - Cost to Serve Load	957708.66	804602.47	690806.91	543436.05	508706.08
COSTTOSERVELOADPMW - Cost to Serve Load PMW	4207.7048	3682.5502	3599.8174	3169.8461	3034.25
EXPORTGENERATION - Export generation	56728.728	46851.868	39497.574	32144.646	24986.856
FO - Forced Outage Rate	0.034972	0.035263	0.03387	0.035652	0.036143
FUELCONSUMED - Fuel Consumed	609714.54	508379.03	438525	369546.98	286412.75
FUELCOST - Fuel Cost	542152.69	482623.77	397518.43	329603.02	262333.42
FUELCOSTPMMBTU - Cost, $/mmBtu	2.133281	2.150534	2.133022	2.139815	2.221975
FUELDELIVERYCOST - Fuel Delivery Cost	758223.56	610831.42	538991.26	461617.01	374791.66
GASNLFUELCONSUMED - Native Load Gas Used		1135.441	281.73667		171.4621
GENCAPACITY - Net Thermal Generation Capacity MWh	138570.7	124119.27	132636.48	140712.7	111767.04
GENCAPACITYMW - Net Thermal Generation Capacity	353.49669	352.61157	353.69729	351.78176	285.11999

GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	143903.2	129219.2	138029.6	146840	143903.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.1	368.07893	367.1	367.1
GENERATION - Thermal Generation MWh	56728.728	46851.868	39497.574	32144.646	24986.856
GENERATIONCOSTPMW - Generation Cost	71.560557	163.78431	118.03686	81.087374	78.0591
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.01612	24.59131	24.764045	25.675651	26.825184
GENERATIONCOSTS - Thermal Generation Costs	1391362	1178990.5	1008549.9	861127.7	683586.02
GENERATIONGROSSREVENUE - Gross Generation Revenue	1628741.3	1222983.8	841739.52	502281.01	461936.92
GENERATIONNETREVENUE - Net Revenue Generation	237379.32	43993.297	-166810.41	-358846.69	-221649.1
GROSSREVENUE - Gross Revenue, $	1628741.3	1222983.8	841739.52	502281.01	461936.92
HOURSRUN - Runtime Hours	1123.67	1664.03	1878.33	1883.56	1317.79
MARKETGENERATIONCOST - Market Sales Generation Costs	400487.66	343400.38	287669.05	281676.37	161561.14
MARKETSALES - Spot Sales $	497648.26	396534.05	281819.1	180515.44	131172.88
MARKETSALESMW - Spot Sales	27.121967	23.693548	19.759565	17.074404	12.703724
MARKETSALESMWH - Spot Sales MWh	15520.79	12752.202	10932.036	10533.06	5880.0095
MCP - MCP	22.13148	22.819371	21.055887	21.273857	21.385465
MCPMINSPOTPRICE - MCP min spot price	21.646883	22.164385	18.986332	14.77306	17.197213
NETPOS - Net Position (MWh)	56728.728	46851.868	39497.574	32144.646	24986.856
NETPOSMW - Net position per MW	144.71614	133.1019	105.32686	80.361615	63.741979
NETREVENUE - Net Revenue $	-81318.465	-213392.89	-394170.31	-551960.35	-369493
NETREVENUEUNHEDGED - Net Revenue without hedges	-81318.465	-213392.89	-394170.31	-551960.35	-369493
NLGENERATION - Native Load Generation MWh	41207.938	34099.666	28565.538	21611.586	19106.846
NLGENERATIONCOST - Native Load Generation Costs	957708.66	804602.47	690806.91	543436.05	508706.08
NonZeroMCPHour - Market sales hours greater than colstrip price	228.99	175.03	161.15	147.83	113.48
NWECOSTS - NWE Costs	-237379.32	-43993.297	166810.41	358846.69	221649.11
NWECOSTSMPS - NWE Costs w/ MPS	-735027.58	-440527.35	-115008.7	178331.25	90476.229
OTHERMCPHOUR - Other MCP Hours	158.3	169.72	182.88	151.33	221.75
PO - Planned Outage Rate				0.000454	0.118506
PORTFOLIOLOADNATIVE - Portfolio Load	241316.32	214745.16	195678.36	183325.26	102579.19
STARTS - Number Starts	3.4	4.18	3.41	3.64	2.89
STARTUPCOST - StartupCost	33165.647	31447.184	30145.781	36019.025	13374.226
TOTALCOSTOFSUPPLY - Total Cost of Supply	1710059.8	1436376.7	1235909.8	1054241.4	831429.93
TOTALCOSTS - Total Cost	1710059.8	1436376.7	1235909.8	1054241.4	831429.93
TOTALFUELCOST - Total Fuel Cost	1300376.2	1093455.2	936509.69	791220.04	637125.08
TOTALGEN - All Generation	56728.728	46851.868	39497.574	32144.646	24986.856
TOTALSTARTUPCOST - TotalStartupCost	33165.647	31447.184	30145.781	36019.025	13374.226

TOTALVARIABLECOST - Variable Costs $	1710059.8	1436376.7	1235909.8	1054241.4	831429.93
VOMCOSTS - VOM Costs	57820.072	54088.12	41894.453	33888.64	33086.721
zeroMCPHour - Market sales hours less than colstrip price	4.5	6.78	31.57	100.59	46.01
Load					
South Dakota Load					
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
COSTTOSERVELOAD - Cost to Serve Load	132351.96	131922.78	100625.46	60362.929	132313.35
COSTTOSERVELOADPMW - Cost to Serve Load PMW	578.69434	597.88206	517.69806	346.14252	781.55498
EXPORTGENERATION - Export generation	-88770.189	-76594.939	-71662.167	-68030.107	-65409.01
GENERATIONLOAD - Load @ Generation	88770.189	76594.939	71662.167	68030.107	65409.007
MARKETPURCHASES - Spot Purchases $	132351.96	131922.78	100625.46	60362.929	132313.35
MARKETPURCHASESHOURS - Market Purchase Flag	156.88	168.31	180.68	148.03	229.13
MARKETPURCHASESMAX - Max Spot Purchases	134.57594	132.74217	109.3256	91.36111	112.73621
MARKETPURCHASESMW - Spot Purchases	47.312361	48.72224	37.901664	28.955551	37.740575
MARKETPURCHASESMWH - Spot Purchases MWh	7824.3224	8589.2426	7020.5339	4504.174	8887.802
NETPOS - Net Position (MWh)	-88770.189	-76594.939	-71662.167	-68030.107	-65409.01
NETPOSMW - Net position per MW	-226.45456	-217.59926	-191.09911	-170.07527	-166.8597
NETREVENUE - Net Revenue $	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071639
NETREVENUEPMW - Net Revenue $/MWh	-25.705063	-22.387854	-18.398349	-14.396074	-16.38194
NETREVENUEUNHEDGED - Net Revenue without hedges	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071639
NWECOSTS - NWE Costs	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
NWECOSTSMPS - NWE Costs w/ MPS	2414321.4	1847474.4	1419267.1	1039565.9	1203951.9
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALCOSTOFSUPPLY - Total Cost of Supply	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
TOTALCOSTS - Total Cost	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
TOTALVARIABLECOST - Variable Costs $	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
Load - Total					
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
COSTTOSERVELOAD - Cost to Serve Load	132351.96	131922.78	100625.46	60362.929	132313.35
COSTTOSERVELOADPMW - Cost to Serve Load PMW	578.69434	597.88206	517.69806	346.14252	781.55498
EXPORTGENERATION - Export generation	-88770.189	-76594.939	-71662.167	-68030.107	-65409.01
GENERATIONLOAD - Load @ Generation	88770.189	76594.939	71662.167	68030.107	65409.007
MARKETPURCHASES - Spot Purchases $	132351.96	131922.78	100625.46	60362.929	132313.35
MARKETPURCHASESHOURS - Market Purchase Flag	156.88	168.31	180.68	148.03	229.13
MARKETPURCHASESMAX - Max Spot Purchases	134.57594	132.74217	109.3256	91.36111	112.73621

MARKETPURCHASESMW - Spot Purchases	47.312361	48.72224	37.901664	28.955551	37.740575
MARKETPURCHASESMWH - Spot Purchases MWh	7824.3224	8589.2426	7020.5339	4504.174	8887.802
NETPOS - Net Position (MWh)	-88770.189	-76594.939	-71662.167	-68030.107	-65409.01
NETPOSMW - Net position per MW	-226.45456	-217.59926	-191.09911	-170.07527	-166.8597
NETREVENUE - Net Revenue $	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071639
NETREVENUEPMW - Net Revenue $/MWh	-25.705063	-22.387854	-18.398349	-14.396074	-16.38194
NETREVENUEUNHEDGED - Net Revenue without hedges	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071639
NWECOSTS - NWE Costs	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
NWECOSTSMPS - NWE Costs w/ MPS	2414321.4	1847474.4	1419267.1	1039565.9	1203951.9
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALCOSTOFSUPPLY - Total Cost of Supply	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
TOTALCOSTS - Total Cost	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
TOTALVARIABLECOST - Variable Costs $	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
N/A					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
Wind Asset					
Aurora County Wind					
EXPORTGENERATION - Export generation	4964.3355	4073.7621	3917.4661	4498.2671	4371.8708
GROSSREVENUE - Gross Revenue, $	127125.53	90125.18	71398.263	63975.153	70887.941
MARKETSALES - Spot Sales $			1.519744	458.29688	113.34805
MARKETSALESMW - Spot Sales			0.043691	3.891604	2.001614
MARKETSALESMWH - Spot Sales MWh			0.11692	40.27704	10.080248
MCP - MCP	16.666984	21.900654	16.159951	13.95914	15.840356
MCPMINSPOTPRICE - MCP min spot price	0.666679	0.876026	0.807997	1.256322	10.454635
NETPOS - Net Position (MWh)	4964.3355	4073.7621	3917.4661	4498.2671	4371.8708
NETPOSMW - Net position per MW	12.664121	11.573187	10.446576	11.245667	11.152731
NETREVENUE - Net Revenue $	127125.53	90125.18	71398.263	63975.153	70887.941
NETREVENUEUNHEDGED - Net Revenue without hedges	127125.53	90125.18	71398.263	63975.153	70887.941
NLGENERATION - Native Load Generation MWh	4964.3355	4073.7621	3917.3492	4457.9901	4361.7905
NonZeroMCPHour - Market sales hours greater than colstrip price					0.02
NWECOSTS - NWE Costs	-127125.53	-90125.18	-71398.263	-63975.153	-70887.94
NWECOSTSMPS - NWE Costs w/ MPS	-127125.53	-90125.18	-71399.782	-64433.45	-71001.29

OTHERMCPHOUR - Other MCP Hours	0.21	0.47	0.4	0.25	10.69
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALGEN - All Generation	4964.3355	4073.7621	3917.4661	4498.2671	4371.8708
WINDGEN - Generation - Wind	4964.3355	4073.7621	3917.4661	4498.2671	4371.8708
WINDGROSSREVENUE - Gross Wind Revenue	127125.53	90125.18	71398.263	63975.153	70887.941
WINDNETREVENUE - Net Wind Revenue $	127125.53	90125.18	71398.263	63975.153	70887.941
zeroMCPHour - Market sales hours less than colstrip price					0.05
B & H					
COSTTOSERVELOAD - Cost to Serve Load	217467.77	200328.3	211879.25	247784.93	222608.72
COSTTOSERVELOADPMW - Cost to Serve Load PMW	964.86361	925.16473	1120.0148	1465.0109	1339.9574
EXPORTGENERATION - Export generation	8572.135	7449.9184	7879.4812	9214.7612	8278.4946
GROSSREVENUE - Gross Revenue, $	216392.44	165113.77	142284.16	130230.16	133230.78
NETPOS - Net Position (MWh)	8572.135	7449.9184	7879.4812	9214.7612	8278.4946
NETPOSMW - Net position per MW	21.867691	21.16454	21.011949	23.036902	21.118608
NETREVENUE - Net Revenue $	-13635.632	-35214.535	-69595.086	-117554.77	-89377.94
NETREVENUEUNHEDGED - Net Revenue without hedges	-13635.632	-35214.535	-69595.086	-117554.77	-89377.94
NLGENERATION - Native Load Generation MWh	8095.4977	7449.9184	7879.4812	9214.7612	8278.4946
NLGENERATIONCOST - Native Load Generation Costs	217467.77	200328.3	211879.25	247784.93	222608.72
NWECOSTS - NWE Costs	13635.632	35214.535	69595.086	117554.77	89377.941
NWECOSTSMPS - NWE Costs w/ MPS	13635.632	35214.535	69595.086	117554.77	89377.941
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALCOSTOFSUPPLY - Total Cost of Supply	230028.07	200328.3	211879.25	247784.93	222608.72
TOTALCOSTS - Total Cost	230028.07	200328.3	211879.25	247784.93	222608.72
TOTALGEN - All Generation	8572.135	7449.9184	7879.4812	9214.7612	8278.4946
TOTALVARIABLECOST - Variable Costs $	230028.07	200328.3	211879.25	247784.93	222608.72
WINDCOSTS - Wind Cost	230028.07	200328.3	211879.25	247784.93	222608.72
WINDGEN - Generation - Wind	8572.135	7449.9184	7879.4812	9214.7612	8278.4946
WINDGROSSREVENUE - Gross Wind Revenue	216392.44	165113.77	142284.16	130230.16	133230.78
WINDNETREVENUE - Net Wind Revenue $	-13635.632	-35214.535	-69595.086	-117554.77	-89377.94
WINDTOTALCOST - Wind Total Costs	230028.07	200328.3	211879.25	247784.93	222608.72
B & H II					
COSTTOSERVELOAD - Cost to Serve Load	226359.47	208582.65	220643.58	257775.09	231705.92
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1004.3115	963.27071	1166.3916	1523.9648	1394.6961
EXPORTGENERATION - Export generation	9632.6486	8370.0901	8854.0762	10344.105	9297.9903
GROSSREVENUE - Gross Revenue, $	243157.24	185512.27	159863.56	146236.78	149654.02

MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)	9632.6486	8370.0901	8854.0762	10344.105	9297.9903
NETPOSMW - Net position per MW	24.573083	23.778665	23.610869	25.860261	23.719363
NETREVENUE - Net Revenue $	3679.3934	-23070.378	-60780.024	-111538.31	-82051.9
NETREVENUEUNHEDGED - Net Revenue without hedges	3679.3934	-23070.378	-60780.024	-111538.31	-82051.9
NLGENERATION - Native Load Generation MWh	9097.0291	8370.0901	8854.0762	10344.105	9297.9903
NLGENERATIONCOST - Native Load Generation Costs	226359.47	208582.65	220643.58	257775.09	231705.92
NWECOSTS - NWE Costs	-3679.3934	23070.378	60780.024	111538.31	82051.896
NWECOSTSMPS - NWE Costs w/ MPS	-3679.3934	23070.378	60780.024	111538.31	82051.896
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALCOSTOFSUPPLY - Total Cost of Supply	239477.85	208582.65	220643.58	257775.09	231705.92
TOTALCOSTS - Total Cost	239477.85	208582.65	220643.58	257775.09	231705.92
TOTALGEN - All Generation	9632.6486	8370.0901	8854.0762	10344.105	9297.9903
TOTALVARIABLECOST - Variable Costs $	239477.85	208582.65	220643.58	257775.09	231705.92
WINDCOSTS - Wind Cost	239477.85	208582.65	220643.58	257775.09	231705.92
WINDGEN - Generation - Wind	9632.6486	8370.0901	8854.0762	10344.105	9297.9903
WINDGROSSREVENUE - Gross Wind Revenue	243157.24	185512.27	159863.56	146236.78	149654.02
WINDNETREVENUE - Net Wind Revenue $	3679.3934	-23070.378	-60780.024	-111538.31	-82051.9
WINDTOTALCOST - Wind Total Costs	239477.85	208582.65	220643.58	257775.09	231705.92
Brule County Wind					
EXPORTGENERATION - Export generation	4923.2595	3966.798	3807.7845	4438.1079	4272.4974
GROSSREVENUE - Gross Revenue, $	125889.29	87679.164	69467.895	63127.761	69325.329
MARKETSALES - Spot Sales $				1.485536	
MARKETSALESMW - Spot Sales				0.063597	
MARKETSALESMWH - Spot Sales MWh				0.163184	
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)	4923.2595	3966.798	3807.7845	4438.1079	4272.4974
NETPOSMW - Net position per MW	12.559335	11.269312	10.154092	11.095269	10.899227
NETREVENUE - Net Revenue $	125889.29	87679.164	69467.895	63127.761	69325.329
NETREVENUEUNHEDGED - Net Revenue without hedges	125889.29	87679.164	69467.895	63127.761	69325.329
NLGENERATION - Native Load Generation MWh	4923.2595	3966.798	3807.7845	4437.9447	4272.4974
NWECOSTS - NWE Costs	-125889.29	-87679.164	-69467.895	-63127.761	-69325.33

NWECOSTSMPS - NWE Costs w/ MPS	-125889.29	-87679.164	-69467.895	-63129.247	-69325.33
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALGEN - All Generation	4923.2595	3966.798	3807.7845	4438.1079	4272.4974
WINDGEN - Generation - Wind	4923.2595	3966.798	3807.7845	4438.1079	4272.4974
WINDGROSSREVENUE - Gross Wind Revenue	125889.29	87679.164	69467.895	63127.761	69325.329
WINDNETREVENUE - Net Wind Revenue $	125889.29	87679.164	69467.895	63127.761	69325.329
Davison County Wind					
EXPORTGENERATION - Export generation	4671.796	3861.4252	3904.9093	4280.2925	4190.6651
GROSSREVENUE - Gross Revenue, $	120360.11	85955.324	71140.387	61098.556	68752.859
MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)	4671.796	3861.4252	3904.9093	4280.2925	4190.6651
NETPOSMW - Net position per MW	11.917846	10.969957	10.413091	10.700731	10.690472
NETREVENUE - Net Revenue $	120360.11	85955.324	71140.387	61098.556	68752.859
NETREVENUEUNHEDGED - Net Revenue without hedges	120360.11	85955.324	71140.387	61098.556	68752.859
NLGENERATION - Native Load Generation MWh	4671.796	3861.4252	3904.9093	4280.2925	4190.6651
NWECOSTS - NWE Costs	-120360.11	-85955.324	-71140.387	-61098.556	-68752.86
NWECOSTSMPS - NWE Costs w/ MPS	-120360.11	-85955.324	-71140.387	-61098.556	-68752.86
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALGEN - All Generation	4671.796	3861.4252	3904.9093	4280.2925	4190.6651
WINDGEN - Generation - Wind	4671.796	3861.4252	3904.9093	4280.2925	4190.6651
WINDGROSSREVENUE - Gross Wind Revenue	120360.11	85955.324	71140.387	61098.556	68752.859
WINDNETREVENUE - Net Wind Revenue $	120360.11	85955.324	71140.387	61098.556	68752.859
OakTree					
COSTTOSERVELOAD - Cost to Serve Load	185383.77	175346.55	189615.16	224030.83	169030.08
COSTTOSERVELOADPMW - Cost to Serve Load PMW	820.37253	809.95291	1002.2731	1328.8406	1016.9117
EXPORTGENERATION - Export generation	3618.6565	3422.7318	3701.2525	4373.0399	3299.4355
GROSSREVENUE - Gross Revenue, $	91120.02	74172.378	65832.355	59587.865	52248.811
NETPOS - Net Position (MWh)	3618.6565	3422.7318	3701.2525	4373.0399	3299.4355
NETPOSMW - Net position per MW	9.231266	9.723669	9.870006	10.932599	8.416927

NETREVENUE - Net Revenue $	-94263.754	-101174.17	-123782.81	-164442.97	-116781.3
NETREVENUEUNHEDGED - Net Revenue without hedges	-94263.754	-101174.17	-123782.81	-164442.97	-116781.3
NLGENERATION - Native Load Generation MWh	3618.6565	3422.7318	3701.2525	4373.0399	3299.4355
NLGENERATIONCOST - Native Load Generation Costs	185383.77	175346.55	189615.16	224030.83	169030.08
NWECOSTS - NWE Costs	94263.754	101174.17	123782.81	164442.97	116781.27
NWECOSTSMPS - NWE Costs w/ MPS	94263.754	101174.17	123782.81	164442.97	116781.27
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.939	71662.167	68030.107	65409.007
TOTALCOSTOFSUPPLY - Total Cost of Supply	185383.77	175346.55	189615.16	224030.83	169030.08
TOTALCOSTS - Total Cost	185383.77	175346.55	189615.16	224030.83	169030.08
TOTALGEN - All Generation	3618.6565	3422.7318	3701.2525	4373.0399	3299.4355
TOTALVARIABLECOST - Variable Costs $	185383.77	175346.55	189615.16	224030.83	169030.08
WINDCOSTS - Wind Cost	185383.77	175346.55	189615.16	224030.83	169030.08
WINDGEN - Generation - Wind	3618.6565	3422.7318	3701.2525	4373.0399	3299.4355
WINDGROSSREVENUE - Gross Wind Revenue	91120.02	74172.378	65832.355	59587.865	52248.811
WINDNETREVENUE - Net Wind Revenue $	-94263.754	-101174.17	-123782.81	-164442.97	-116781.3
WINDTOTALCOST - Wind Total Costs	185383.77	175346.55	189615.16	224030.83	169030.08
Titan					
COSTTOSERVELOAD - Cost to Serve Load	275930.7	174624.9	253670.94	303945	234840.78
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1232.7619	811.29377	1350.3481	1803.9089	1416.7779
EXPORTGENERATION - Export generation	4632.5637	2761.3045	4011.2419	4806.2144	3713.4848
GROSSREVENUE - Gross Revenue, $	113924.33	60069.209	70103.132	65907.478	58068.476
NETPOS - Net Position (MWh)	4632.5637	2761.3045	4011.2419	4806.2144	3713.4848
NETPOSMW - Net position per MW	11.817764	7.844615	10.696645	12.015536	9.473175
NETREVENUE - Net Revenue $	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
NETREVENUEUNHEDGED - Net Revenue without hedges	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
NLGENERATION - Native Load Generation MWh	4367.3548	2761.3045	4011.2419	4806.2144	3713.4848
NLGENERATIONCOST - Native Load Generation Costs	275930.7	174624.9	253670.94	303945	234840.78
NWECOSTS - NWE Costs	178627.92	114555.69	183567.81	238037.52	176772.3
NWECOSTSMPS - NWE Costs w/ MPS	178627.92	114555.69	183567.81	238037.52	176772.3
PORTFOLIOLOADNATIVE - Portfolio Load	88123.451	75044.076	71547.88	68030.107	65347.808
TOTALCOSTOFSUPPLY - Total Cost of Supply	292552.25	174624.9	253670.94	303945	234840.78
TOTALCOSTS - Total Cost	292552.25	174624.9	253670.94	303945	234840.78
TOTALGEN - All Generation	4632.5637	2761.3045	4011.2419	4806.2144	3713.4848
TOTALVARIABLECOST - Variable Costs $	292552.25	174624.9	253670.94	303945	234840.78
WINDCOSTS - Wind Cost	292552.25	174624.9	253670.94	303945	234840.78

WINDGEN - Generation - Wind	4632.5637	2761.3045	4011.2419	4806.2144	3713.4848
WINDGROSSREVENUE - Gross Wind Revenue	113924.33	60069.209	70103.132	65907.478	58068.476
WINDNETREVENUE - Net Wind Revenue $	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
WINDTOTALCOST - Wind Total Costs	292552.25	174624.9	253670.94	303945	234840.78
Wind Asset - Total					
COSTTOSERVELOAD - Cost to Serve Load	905141.72	758882.4	875808.93	1033535.8	858185.5
COSTTOSERVELOADPMW - Cost to Serve Load PMW	4022.3095	3509.6821	4639.0277	6121.7253	5168.343
EXPORTGENERATION - Export generation	41015.395	33906.03	36076.212	41954.788	37424.439
GROSSREVENUE - Gross Revenue, $	1037969	748627.29	650089.75	590163.75	602168.22
MARKETSALES - Spot Sales $			1.519744	459.78242	113.34805
MARKETSALESMW - Spot Sales			0.006241	0.565028	0.285944
MARKETSALESMWH - Spot Sales MWh			0.11692	40.440225	10.080248
MCP - MCP	16.666984	21.900654	16.159951	13.95914	15.840356
MCPMINSPOTPRICE - MCP min spot price	0.666679	0.876026	0.807997	1.256322	10.454635
NETPOS - Net Position (MWh)	41015.395	33906.03	36076.212	41954.788	37424.439
NETPOSMW - Net position per MW	104.63111	96.323949	96.203231	104.88697	95.470506
NETREVENUE - Net Revenue $	90527.013	-10255.107	-225719.18	-443372.1	-256017.3
NETREVENUEUNHEDGED - Net Revenue without hedges	90527.013	-10255.107	-225719.18	-443372.1	-256017.3
NLGENERATION - Native Load Generation MWh	39737.929	33906.03	36076.095	41914.347	37414.358
NLGENERATIONCOST - Native Load Generation Costs	905141.72	758882.4	875808.93	1033535.8	858185.5
NonZeroMCPHour - Market sales hours greater than colstrip price					0.02
NWECOSTS - NWE Costs	-90527.013	10255.107	225719.18	443372.1	256017.28
NWECOSTSMPS - NWE Costs w/ MPS	-90527.013	10255.107	225717.66	442912.31	255903.93
OTHERMCPHOUR - Other MCP Hours	0.21	0.47	0.4	0.25	10.69
PORTFOLIOLOADNATIVE - Portfolio Load	620744.59	534613.71	501520.88	476210.75	457801.85
TOTALCOSTOFSUPPLY - Total Cost of Supply	947441.95	758882.4	875808.93	1033535.8	858185.5
TOTALCOSTS - Total Cost	947441.95	758882.4	875808.93	1033535.8	858185.5
TOTALGEN - All Generation	41015.395	33906.03	36076.212	41954.788	37424.439
TOTALVARIABLECOST - Variable Costs $	947441.95	758882.4	875808.93	1033535.8	858185.5
WINDCOSTS - Wind Cost	947441.95	758882.4	875808.93	1033535.8	858185.5
WINDGEN - Generation - Wind	41015.395	33906.03	36076.212	41954.788	37424.439
WINDGROSSREVENUE - Gross Wind Revenue	1037969	748627.29	650089.75	590163.75	602168.22
WINDNETREVENUE - Net Wind Revenue $	90527.013	-10255.107	-225719.18	-443372.1	-256017.3
WINDTOTALCOST - Wind Total Costs	947441.95	758882.4	875808.93	1033535.8	858185.5
zeroMCPHour - Market sales hours less than colstrip price					0.05

Total

Total - Total

Total - Total - Total

AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.779489	10.89683	11.113942	11.507123	11.481697
CAPACITYFACTOR - Net Generation Capacity Factor	0.409175	0.377477	0.297667	0.228314	0.223523
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.394214	0.362576	0.286152	0.218909	0.173636
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.6	1318641.6	979202.97	1071638.6
COSTTOSERVELOAD - Cost to Serve Load	1995202.3	1695407.7	1667241.3	1637334.8	1499204.9
COSTTOSERVELOADPMW - Cost to Serve Load PMW	8808.7087	7790.1143	8756.5431	9637.7139	8984.148
EXPORTGENERATION - Export generation	8973.9338	4162.9593	3911.6189	6069.3262	-2997.712
FIXEDCOST - Fixed Cost	3076588.1	2762650.5	2951013	3139375.6	3076588.1
FO - Forced Outage Rate	0.034972	0.035263	0.03387	0.035652	0.036143
FUELCONSUMED - Fuel Consumed	609714.54	508379.03	438525	369546.98	286412.75
FUELCOST - Fuel Cost	542152.69	482623.77	397518.43	329603.02	262333.42
FUELCOSTPMMBTU - Cost, $/mmBtu	2.133281	2.150534	2.133022	2.139815	2.221975
FUELDELIVERYCOST - Fuel Delivery Cost	758223.56	610831.42	538991.26	461617.01	374791.66
GASNLFUELCONSUMED - Native Load Gas Used		1135.441	281.73667		171.4621
GENCAPACITY - Net Thermal Generation Capacity MWh	138570.7	124119.27	132636.48	140712.7	111767.04
GENCAPACITYMW - Net Thermal Generation Capacity	353.49669	352.61157	353.69729	351.78176	285.11999
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	143903.2	129219.2	138029.6	146840	143903.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.1	367.1	368.07893	367.1	367.1
GENERATION - Thermal Generation MWh	56728.728	46851.868	39497.574	32144.646	24986.856
GENERATIONCOSTPMW - Generation Cost	71.560557	163.78431	118.03686	81.087374	78.0591
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.01612	24.59131	24.764045	25.675651	26.825184
GENERATIONCOSTS - Thermal Generation Costs	1391362	1178990.5	1008549.9	861127.7	683586.02
GENERATIONGROSSREVENUE - Gross Generation Revenue	1628741.3	1222983.8	841739.52	502281.01	461936.92
GENERATIONLOAD - Load @ Generation	88770.189	76594.939	71662.167	68030.107	65409.007
GENERATIONNETREVENUE - Net Revenue Generation	237379.32	43993.297	-166810.41	-358846.69	-221649.1
GROSSREVENUE - Gross Revenue, $	2666710.2	1971611.1	1491829.3	1092444.8	1064105.1
HOURSRUN - Runtime Hours	1123.67	1664.03	1878.33	1883.56	1317.79
MARKETGENERATIONCOST - Market Sales Generation Costs	400487.66	343400.38	287669.05	281676.37	161561.14
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
MARKETPURCHASES - Spot Purchases $	132351.96	131922.78	100625.46	60362.929	132313.35
MARKETPURCHASESHOURS - Market Purchase Flag	156.88	168.31	180.68	148.03	229.13
MARKETPURCHASESMAX - Max Spot Purchases	134.57594	132.74217	109.3256	91.36111	112.73621

MARKETPURCHASESMW - Spot Purchases	4.301123	3.248149	2.526777	2.412962	2.695755
MARKETPURCHASESMWH - Spot Purchases MWh	7,824	8,589	7,021	4,504	8,888
MARKETSALES - Spot Sales $	497648.26	396534.05	281820.62	180975.22	131286.23
MARKETSALESMW - Spot Sales	7.3969	11.056989	9.224043	6.021068	5.587425
MARKETSALESMWH - Spot Sales MWh	15,521	12,752	10,932	10,574	5,890
MCP - MCP	22.075044	22.804555	21.005325	21.111538	20.290447
MCPMINSPOTPRICE - MCP min spot price	21.596336	22.154051	18.96099	14.748215	17.005891
NETPOS - Net Position (MWh)	8973.9338	4162.9593	3911.6189	6069.3262	-2997.712
NETPOSMW - Net position per MW	22.892688	11.826589	10.430983	15.173315	-7.647225
NETREVENUE - Net Revenue $	-5349348.9	-4701850.2	-4889544.1	-5113911	-4773737
NETREVENUEPMW - Net Revenue $/MWh	-60.272732	-61.403853	-68.251712	-75.19791	-72.98859
NETREVENUEUNHEDGED - Net Revenue without hedges	-5349348.9	-4701850.2	-4889544.1	-5113911	-4773737
NLGENERATION - Native Load Generation MWh	80945.867	68005.696	64641.633	63525.933	56521.205
NLGENERATIONCOST - Native Load Generation Costs	1862850.4	1563484.9	1566615.8	1576971.9	1366891.6
NWECOSTS - NWE Costs	5030651.1	4444464	4662184.2	4920797.3	4625893
NWECOSTSMPS - NWE Costs w/ MPS	4665354.8	4179852.7	4480989.1	4800185	4626920.2
PO - Planned Outage Rate				0.000454	0.118506
PORTFOLIOLOADNATIVE - Portfolio Load	950831.09	825953.8	768861.41	727566.12	625790.04
STARTS - Number Starts	3.4	4.18	3.41	3.64	2.89
STARTUPCOST - StartupCost	33165.647	31447.184	30145.781	36019.025	13374.226
TOTALCOSTOFSUPPLY - Total Cost of Supply	8016059.2	6673461.2	6381373.4	6206355.8	5837842.1
TOTALCOSTS - Total Cost	4939471.1	3910810.7	3430360.4	3066980.2	2761254
TOTALFUELCOST - Total Fuel Cost	1300376.2	1093455.2	936509.69	791220.04	637125.08
TOTALGEN - All Generation	97744.123	80757.898	75573.786	74099.434	62411.295
TOTALSTARTUPCOST - TotalStartupCost	33165.647	31447.184	30145.781	36019.025	13374.226
TOTALVARIABLECOST - Variable Costs $	4939471.1	3910810.7	3430360.4	3066980.2	2761254
VOMCOSTS - VOM Costs	57820.072	54088.12	41894.453	33888.64	33086.721
WINDCOSTS - Wind Cost	947441.95	758882.4	875808.93	1033535.8	858185.5
WINDGEN - Generation - Wind	41015.395	33906.03	36076.212	41954.788	37424.439
WINDGROSSREVENUE - Gross Wind Revenue	1037969	748627.29	650089.75	590163.75	602168.22
WINDNETREVENUE - Net Wind Revenue $	90527.013	-10255.107	-225719.18	-443372.1	-256017.3
WINDTOTALCOST - Wind Total Costs	947441.95	758882.4	875808.93	1033535.8	858185.5

ects

2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04
2888225.5	3327738.11	2951013.04	3139375.6	3076588.1	3013800.55	3327895.08	3138119.8	2817903.5	3138119.8	3074076.6
-2888226	-3327738.1	-2951013	-3139375.6	-3076588.1	-3013800.6	-3327895.1	-3138119.8	-2817903.5	-3138119.8	-3074076.6
-2888226	-3327738.1	-2951013	-3139375.6	-3076588.1	-3013800.6	-3327895.1	-3138119.8	-2817903.5	-3138119.8	-3074076.6
2888225.5	3327738.11	2951013.04	3139375.6	3076588.1	3013800.55	3327895.08	3138119.8	2817903.5	3138119.8	3074076.6
2888225.5	3327738.11	2951013.04	3139375.6	3076588.1	3013800.55	3327895.08	3138119.8	2817903.5	3138119.8	3074076.6
2888225.5	3327738.11	2951013.04	3139375.6	3076588.1	3013800.55	3327895.08	3138119.8	2817903.5	3138119.8	3074076.6

15.87	18.17	15.869999	16.42	17.37	16.62	20.27	26.77	24.419999	19.869999	18.77
0	0	0	0	0	0	0	0	0	0	0
15.74	18.04	15.739999	16.29	17.24	16.49	20.14	26.64	24.289999	19.739999	18.64
15.84	18.14	15.839999	16.39	17.34	16.59	20.24	26.74	24.389999	19.839999	18.74
15.089999	17.389999	15.09	15.64	16.589999	15.839999	19.49	25.989999	23.64	19.09	17.99
15.379999	17.679999	15.38	15.93	16.879999	16.129999	19.78	26.279999	23.93	19.38	18.28
$ 15.82	$ 18.12	$ 15.82	$ 16.37	$ 17.32	$ 16.57	$ 20.22	$ 26.72	$ 24.37	$ 19.82	$ 18.72
$ 15.86	$ 18.16	$ 15.86	$ 16.41	$ 17.36	$ 16.61	$ 20.26	$ 26.76	$ 24.41	$ 19.86	$ 18.76

17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	18.329023	18.329023	18.329023	18.329023
0.89	0.889999	0.89	0.89	0.89	0.89	0.889999	0.969999	0.97	0.97	0.97
15.55	17.85	15.55	16.1	17.05	16.3	19.95	26.45	24.1	19.55	18.45
2.839587	2.857735	2.855461	2.847505	2.892249	3.345245	3.748458	4.017809	4.031241	3.631875	3.278932
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
0.023125	0.033018	0.031409	0.032025	0.031173	0.028906	0.024693	0.021122	0.034232	0.024132	0.034843
8088.525	9225	8194.275	8711.775	8545.05	8390.25	9304.425	8633.7	7648.875	8607.15	8338.95
21.979687	21.757075	21.793284	21.779437	21.798596	21.792857	21.944398	22.024744	21.729758	22.013171	21.716015
8280	9540	8460	9000	8820	8640	9540	8820	7920	8820	8640
22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.557544	22.5

5.74559	8.853859	6.40492	5.46302	3.01408	3.67341	3.10827	8.288719	7.911959	6.21654	4.99207
0.019972	0.057938	0.022638	0.029791	0.006291	0.003596	0.002363	0.085526	0.069331	0.013144	0.010811
0.019402	0.055872	0.021914	0.028575	0.005994	0.003463	0.002311	0.083392	0.067102	0.012704	0.010468
923.35773	12745.7377	3176.40716	1704.4298	5.461697	137.061343	275.203821	6557.8147	4182.0438	703.64298	384.56285
4.209209	48.822515	12.992551	8.242188	0.028207	0.668657	1.093892	26.910078	18.07852	3.173382	2.086915
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16

0.033152	0.031957	0.032553	0.0308	0.030765	0.032369	0.021202	0.027933	0.03392	0.029056	0.031328
3900.5963	12941.8944	4501.52848	6244.2319	1283.8097	726.58166	535.37596	17858.612	12903.653	2720.584	2196.134
11223.375	37917.0559	13255.3873	17665.691	3452.6514	2079.18536	1976.08827	56464.909	39329.725	8539.6968	7333.966
1.759866	2.70544	1.960542	1.640795	0.846661	1.140421	1.192313	2.841539	2.654972	2.072595	1.731023
254.45933	3423.41469	841.490898	466.44288	1.473592	39.48714	63.959296	1664.0613	1181.7374	178.98262	94.856927
20636.4	23806.1	21098.08	22485.44	22036.52	21551.06	24070.58	22100.9	19723.48	22075.38	21574.26
56.077173	56.146462	56.111914	56.2136	56.215612	55.976779	56.770235	56.379846	56.032613	56.458772	56.182968
21344	24592	21808	23200	22736	22272	24592	22736	20416	22736	22272
58	58	58	58	58	57.84935	58	58	58	58.148337	58
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
21.129403	32.370204	23.479081	19.785825	10.396439	13.685982	13.712468	33.360194	31.268481	24.578053	20.362312
21.129403	32.370204	23.479081	19.785825	10.396439	13.685982	13.712468	33.360194	31.268481	24.578053	20.362312
14221.374	47888.5421	16727.6369	22470.215	4455.7838	2656.17156	2396.90107	70577.249	49459.601	10715.007	9096.2887
16732.179	57807.5457	19324.5164	26229.222	4770.1624	2836.20386	2560.47848	81302.633	58554.011	11781.948	10023.7
2510.8047	9919.00356	2596.87946	3759.0066	314.37858	180.032295	163.577414	10725.384	9094.4108	1066.9407	927.41104
16732.179	57807.5457	19324.5164	26229.222	4770.1624	2836.20386	2560.47848	81302.633	58554.011	11781.948	10023.7
222.33	368.33	306.79	190.26	196.05	187.56	189.08	288.63	248.42	218.81	179.74
13298.016	35142.8044	13551.2298	20765.785	4450.3221	2519.11022	2121.69725	64019.435	45277.557	10011.364	8711.7258
15631.502	42264.119	15671.8032	24217.687	4764.1879	2692.52306	2269.42332	73624.943	53466.84	10981.216	9583.1423
33.720443	45.029344	32.728168	30.953241	18.536079	22.210509	16.734671	48.38431	45.834612	36.998555	29.862047
387.10446	1010.5616	388.580271	613.41851	136.14355	72.947714	50.049544	1719.3493	1244.4968	269.8377	223.08919
34.605262	35.04371	35.6149	33.901533	33.64644	34.749074	41.123553	39.205535	36.970588	38.524878	39.380265
9.333816	31.467712	17.309524	11.858	0.672928	3.449622	7.391006	28.568848	19.9538	7.645255	2.756618
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
1.125326	3.240613	1.271063	1.65735	0.347704	0.200363	0.134056	4.836785	3.891931	0.738721	0.607187
2510.8047	9919.00356	2596.87946	3759.0066	314.37858	180.032295	163.577414	10725.384	9094.4108	1066.9407	927.41104
2510.8047	9919.00356	2596.87946	3759.0066	314.37858	180.032295	163.577414	10725.384	9094.4108	1066.9407	927.41104
27.015535	363.458402	89.339728	49.521486	0.156448	4.192285	6.790455	176.67069	125.46315	19.002295	10.070806
923.35773	12745.7377	3176.40716	1704.4298	5.461697	137.061343	275.203821	6557.8147	4182.0438	703.64298	384.56285
4.42	12.38	5.28	7.27	2.06	1.16	0.93	21.34	13.73	3.9	3.47
-2510.805	-9919.0036	-2596.8795	-3759.0066	-314.37858	-180.0323	-163.57741	-10725.384	-9094.4108	-1066.9407	-927.41104
-18142.31	-52183.123	-18268.683	-27976.694	-5078.5665	-2872.5554	-2433.0007	-84350.328	-62561.251	-12048.157	-10510.553
0.1	1.51	0.43	0.1		0.05	0.02	0.87	0.36	0.09	0.09
1496.3134	5949.9155	1960.195	2237.8589	423.6893	272.9302	245.8124	7809.6678	5375.6197	1039.6229	728.3295
0.11	0.43	0.16	0.19	0.08	0.07	0.04	0.81	0.41	0.19	0.17

41.1818	160.9834	59.9008	71.1322	29.9504	26.2066	14.9752	309.3147	156.5667	72.5553	64.9179
14221.374	47888.5421	16727.6369	22470.215	4455.7838	2656.17156	2396.90107	70577.249	49459.601	10715.007	9096.2887
14221.374	47888.5421	16727.6369	22470.215	4455.7838	2656.17156	2396.90107	70577.249	49459.601	10715.007	9096.2887
11223.375	37917.0559	13255.3873	17665.691	3452.6514	2079.18536	1976.08827	56464.909	39329.725	8539.6968	7333.966
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
41.1818	160.9834	59.9008	71.1322	29.9504	26.2066	14.9752	309.3147	156.5667	72.5553	64.9179
14221.374	47888.5421	16727.6369	22470.215	4455.7838	2656.17156	2396.90107	70577.249	49459.601	10715.007	9096.2887
2956.8168	9810.5028	3412.3488	4733.3916	973.182	550.7796	405.8376	13803.026	9973.3088	2102.7552	1697.4048

11.360276	11.190404	11.336745	11.289732	11.337329	11.346685	11.109756	10.855335	10.943361	11.160155	11.245465
0.449369	0.508166	0.458264	0.47432	0.460784	0.452209	0.54444	0.705645	0.643596	0.523826	0.487081
0.432266	0.491569	0.443975	0.457176	0.44828	0.435042	0.526781	0.683559	0.618075	0.503339	0.464109
349653.83	565703.806	462171.839	341519.49	268138.85	354191.837	515272.515	441812.74	365800.05	339178.34	224151.21
1997.9359	2567.1777	2227.33436	2002.3336	1560.572	1816.09009	2215.17795	1887.9872	1635.3495	1731.1393	1285.3699
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
0.039211	0.033608	0.031675	0.036475	0.027474	0.038723	0.033207	0.031785	0.039289	0.040051	0.045364
200385.44	258707.154	209878.224	228823.94	220884.4	210259.991	275111.343	321748.59	263372.05	243973.72	222123.1
178832.23	230993.926	187245.998	203948.23	197359.54	187746.3	246049.047	311859.47	254973.48	237187.45	216346.56
2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.399699	2.3997	2.3997	2.3997
287893.76	371684.568	301532.045	328751.35	317344.62	302080.529	395252.466	460003.96	376543.02	348809.23	317569.4
39246.27	45482.25	40413.99	42780.51	42316.53	40973.43	45501.12	42128.94	37536.87	41769.3	40587.15
106.64747	107.269457	107.484015	106.95128	107.95033	106.424493	107.313962	107.47179	106.63884	106.82685	105.6957
40848	47064	41736	44400	43512	42624	47064	43512	39072	43512	42624
111	111	111	111	111	110.711688	111	111	111	111.28389	111
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
28.167786	27.727942	28.040633	28.020879	28.020407	28.173022	27.501766	27.691557	27.915743	28.534271	28.811264
27.798178	27.402818	27.742427	27.635836	27.742593	27.765275	27.213329	27.450986	27.663592	28.177304	28.379759
497051.66	641303.064	519288.569	567943.27	546695.94	522376.879	681835.564	820203.14	671215.33	623873.28	569709.23
317195.65	499362.551	336624.649	387046.15	371708.55	341831.838	568248.741	904221.95	679925.95	503246.37	420156.36
-179856	-141940.51	-182663.92	-180897.12	-174987.39	-180545.04	-113586.82	84018.811	8710.6185	-120626.91	-149552.87
317195.65	499362.551	336624.649	387046.15	371708.55	341831.838	568248.741	904221.95	679925.95	503246.37	420156.36
353.57	409.75	364.09	385.41	381.23	369.13	409.92	379.54	338.17	376.3	365.65
141262.54	68669.9778	51991.9499	218989.24	273287.95	161039.223	159994.669	371690.98	299525.68	277480.18	337459.82
109922.38	74105.5865	51537.9235	178276.31	224642.51	141901.075	168676.658	467283.66	362329.23	281697.05	292427.63

33.188557	31.069395	28.34681	38.142224	41.7548	40.396278	43.471687	57.171986	57.791688	49.746866	47.701172
5160.4109	2594.40446	1945.82583	8041.3156	9974.5253	5932.06511	6037.36939	13842.178	11130.324	10077.704	12046.546
19.560729	17.462279	16.380634	20.400947	21.284349	18.789839	20.103112	22.972018	21.872895	21.043318	22.822242
15.213052	16.647656	15.206058	15.392108	15.624981	15.639264	19.27656	22.100987	20.746387	17.746932	16.44781
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
47.981543	54.564264	49.281228	50.74662	49.759117	48.164244	58.472783	75.875153	68.606369	56.013595	51.51614
-284597.5	-277166.74	-292367.27	-300503.39	-290443.67	-290447.94	-257387.52	-84159.179	-128953.95	-248151.97	-265656.61
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12496.797	20540.8435	16583.9162	12257.332	9531.0487	12611.1689	18755.0906	15900.882	13019.118	11823.612	7735.6516
349653.83	565703.806	462171.839	341519.49	268138.85	354191.837	515272.515	441812.74	365800.05	339178.34	224151.21
91.19	58.4	45.74	128.08	187.28	114.86	130.99	191.32	155.21	166.03	198.6
179856.02	141940.513	182663.921	180897.12	174987.39	180545.041	113586.823	-84018.811	-8710.6185	120626.91	149552.87
69933.636	67834.9262	131125.997	2620.8079	-49655.122	38643.9661	-55089.835	-551302.48	-371039.84	-161070.14	-142874.76
190.73	308.12	288.01	168.16	138.35	214.64	264.43	144.05	147.41	171.14	103.35
										0.002604
60058.452	87175.9545	73463.223	62857.955	63617.848	69753.6031	92418.0231	85684.154	72838.613	71200.559	61100.873
0.85	0.96	0.71	1.03	0.73	0.99	0.91	0.91	0.8	0.98	1.1
6135.3	6929.28	5124.78	7434.54	5269.14	7145.82	6568.38	6699.42	5889.6	7214.76	8098.2
601793.13	776529.293	628991.917	687549.54	662152.21	632279.777	825636.262	988381.13	808879.9	751398.34	685812.98
601793.13	776529.293	628991.917	687549.54	662152.21	632279.777	825636.262	988381.13	808879.9	751398.34	685812.98
466725.99	602678.494	488778.043	532699.58	514704.16	489826.829	641301.513	771863.44	631516.51	585996.68	533915.96
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
6135.3	6929.28	5124.78	7434.54	5269.14	7145.82	6568.38	6699.42	5889.6	7214.76	8098.2
601793.13	776529.293	628991.917	687549.54	662152.21	632279.777	825636.262	988381.13	808879.9	751398.34	685812.98
24190.375	31695.2898	25385.7465	27809.148	26722.636	25404.2306	33965.6702	41640.284	33809.219	30661.842	27695.077
54.24	9.45	12.92	66.78	44.56	27.03	2.74	3.05	3.56	23.35	47.11

0.02625	0.037122	0.022473	0.029325	0.024515	0.027864	0.018726	0.039005	0.029403	0.023903	0.034843

1075.02	1224.78	1102.65	1164.81	1147.17	1119.9	1248.18	1130.13	1024.95	1147.89	1111.86
2.92125	2.888632	2.932579	2.912025	2.926454	2.908831	2.94382	2.882984	2.911789	2.93578	2.895468
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

12.00423	11.78077	12.010657	11.998742	11.839823	11.918486	11.523317	11.307663	11.377445	11.581261	11.637739
0.517097	0.576777	0.516744	0.509935	0.563592	0.533924	0.658601	0.807793	0.756262	0.656575	0.632731
0.493903	0.551242	0.492504	0.389517	0.537331	0.504603	0.537131	0.775899	0.717352	0.627912	0.603045
171877.09	229251.722	185083.054	130914.08	157490.1	175311.778	215397.562	276355.79	230784.96	228073.81	200067.8
972.82889	1033.46761	884.45493	787.48202	916.32861	894.970097	916.26816	1192.3838	1042.1769	1165.7932	1149.7014
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
0.045516	0.045165	0.045106	0.0499	0.047066	0.053203	0.04316	0.039897	0.051562	0.044515	0.047447
93660.618	118332.453	95534.6185	80087.491	107011.6	99187.8384	112677.447	147080.89	122953.41	122192.12	115588.54
83607.829	105527.886	85314.4072	71456.612	95801.009	88629.1204	100751.802	142490.06	119042.26	118705.53	112360.22
1.868399	1.868399	1.868399	1.868399	1.8684	1.868399	1.8684	1.799299	1.7993	1.7993	1.7993
91637.549	115776.472	93471.0708	78357.601	104700.15	97045.3811	110243.614	121974.18	101965.26	101333.92	95857.576
15103.75	17408.55	15399.59	13129.19	16062.65	15593.52	14846.18	16183.48	14355.55	16105.65	15728.54
41.042798	41.0579	40.956356	32.822975	40.976147	40.502649	35.014575	41.284387	40.782812	41.19092	40.959739
15824	18232	16168	17200	16856	16512	18232	16856	15136	16856	16512
43	43	43	43	43	42.888311	43	43	43	43.109974	43
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
23.861436	23.352669	23.830691	24.546518	23.524734	23.838755	23.197862	21.585095	21.810196	22.188483	22.301641
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186306.7	234568.78	189727.988	163773.75	213024.62	198587.79	227029.668	280262.03	235185.01	233967.83	221648.78
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351.25	404.85	358.13	305.33	373.55	362.64	345.26	376.36	333.85	374.55	365.78
10324.108	997.358252	789.33408	24862.867	51072.018	17778.2128	4313.60597	9.946455	103.19881	1597.1726	17211.299
8446.6204	1083.1519	830.154641	22443.259	52481.196	19114.5768	4791.97776	10.597218	113.7898	1718.5131	17584.956
13.624646	8.122905	8.152624	17.740182	22.793597	20.333806	12.376832	0.187337	1.415125	7.417866	14.152672
451.51304	45.576023	36.138973	1097.2849	2308.7915	812.458168	198.565948	0.442166	4.819822	75.212519	803.73288
19.926958	17.723262	16.565641	20.673301	21.342833	19.466582	20.828007	24.180648	22.001683	20.504134	21.325655
15.451294	16.131006	15.248889	15.90086	18.703063	18.188637	20.689248	8.812147	11.885502	18.333312	18.135096
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
21.237853	23.703419	21.177712	16.74925	23.105255	21.641584	23.09665	33.363673	30.846136	27.069309	25.930937
-95957.81	-86398.072	-97053.047	-84451.793	-97468.237	-97979.75	-66785.509	18319.01	-12058.869	-64701.142	-75971.785
-95957.81	-86398.072	-97053.047	-84451.793	-97468.237	-97979.75	-66785.509	18319.01	-12058.869	-64701.142	-75971.785

7364.017	10004.674	7926.68103	5602.4151	6748.4685	7519.55183	9594.41405	13078.118	10853.02	10508.887	9153.7471
171877.09	229251.722	185083.054	130914.08	157490.1	175311.778	215397.562	276355.79	230784.96	228073.81	200067.8
1.5	0.23	0.16	2.5	4.43	2.26	0.52		0.01	0.15	0.88
47001.406	24545.6994	47117.102	42590.062	41533.275	46134.2672	7889.00786	-95198.192	-52208.879	831.32195	15553.656
38554.786	23462.5475	46286.9473	20146.803	-10947.921	27019.6903	3097.03009	-95208.789	-52322.668	-887.19111	-2031.3001
19.33	20.81	18.61	14.48	12	21.61	17.07	3.24	3.14	4.48	5.53
		0.002659	0.1975		0.002604	0.148584				
59119.752	85280.5678	71665.4393	46732.537	61260.486	67365.359	76089.0704	84547.399	70976.958	70260.542	60933.433
1.15	1.21	1.08	2.24	1.25	1.54	2.05	1.07	1.18	1.18	1.2
4105.5	4319.7	3855.6	7996.8	4462.5	5497.8	7318.5	3896.298	4296.852	4296.852	4369.68
235263.1	296421.153	239663.933	205635.48	268959.58	250433.273	285926.17	357141.21	299452.76	297837.65	282066.91
235263.1	296421.153	239663.933	205635.48	268959.58	250433.273	285926.17	357141.21	299452.76	297837.65	282066.91
175245.38	221304.358	178785.478	149814.21	200501.16	185674.501	210995.416	264464.24	221007.52	220039.45	208217.79
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
4105.5	4319.7	3855.6	7996.8	4462.5	5497.8	7318.5	3896.298	4296.852	4296.852	4369.68
235263.1	296421.153	239663.933	205635.48	268959.58	250433.273	285926.17	357141.21	299452.76	297837.65	282066.91
6955.8217	8944.7225	7086.9098	5962.733	8060.9614	7415.4889	8715.7522	11901.49	9880.6344	9631.531	9061.3068
0.78			1.29	0.41	0.07					0.05
0.051413	0.036391	0.030398	0.031	0.03176	0.035911	0.024174	0.031326	0.036619	0.030408	0.028489
1047.24	1225.71	1093.71	1162.8	1138.65	1110.63	1241.25	1139.16	1017.33	1140.24	1119.18
2.84576	2.890825	2.908803	2.907	2.904719	2.884753	2.927476	2.90602	2.890142	2.916214	2.914531
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

4.644095	11.418982	5.767336	5.065717	1.12	1.12	0.42	11.232565	10.14801	3.084406	1.540909
0.006266	0.020549	0.005794	0.009227	0.000655	0.000258	0.000056	0.023048	0.022865	0.001731	0.00104
0.006184	0.019952	0.005622	0.00883	0.000612	0.00025	0.000056	0.022438	0.022267	0.001719	0.001005
116.22442	1569.33825	137.579449	31.45509				269.90394	326.62709	56.545084	68.804016

0.504851	5.847378	0.585482	0.150429				1.100953	1.420682	0.23498	0.366587
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
0.026182	0.031627	0.025757	0.030637	0.025816	0.032526	0.028466	0.025599	0.031448	0.032627	0.028476
1608.2	5992.2	1490.9	2495.8	168	67.2	16.8	6193.8	5546.3	473.3	270.5
4544.5588	17563.9962	4338.93385	7016.6351	428.35655	177.450459	60.231472	16887.252	14709.572	1251.4219	874.68669
0.954834	2.343185	1.18206	1.022782	0.194531	0.213866	0.107556	2.290983	2.019889	0.594148	0.35302
40.02486	524.509623	47.041877	10.459434				91.691958	137.65192	13.565715	21.154583
17941.5	20531.9	18369.3	19364.3	19106.9	18609.4	20623.5	19073.5	17061.8	18982.4	18580.2
48.754076	48.424292	48.854521	48.41075	48.742091	48.336103	48.64033	48.656887	48.471022	48.548337	48.385937
18400	21200	18800	20000	19600	19200	21200	19600	17600	19600	19200
50	50	50	50	50	49.870129	50	50	50	50.127877	50
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
18.576477	54.153894	25.15828	22.300215	2.723436	3.019657	1.505786	39.67966	40.967936	9.836775	5.670672
13.450949	33.263995	16.662977	14.431723	2.723436	3.019657	1.505786	32.931531	28.657089	8.34223	5.070756
4553.7428	17672.0582	4354.64585	7048.4671	428.35655	181.534459	60.231472	17102.79	14771.286	1256.1079	883.12269
5160.4737	20426.2739	4859.7035	7966.843	447.98823	187.035919	62.466632	19323.784	17194.877	1374.343	935.47232
606.73094	2754.21566	505.057652	918.37593	19.631678	5.50146	2.235159	2220.9936	2423.5904	118.23508	52.349627
5160.4737	20426.2739	4859.7035	7966.843	447.98823	187.035919	62.466632	19323.784	17194.877	1374.343	935.47232
353.89	604.68	487.67	297.22	177.86	122.67	117.53	340.57	319.55	214.77	152.63
4437.5183	16102.72	4217.0664	7017.012	428.35655	181.534459	60.231472	16832.886	14444.659	1199.5629	814.31868
5028.6023	18651.041	4702.38623	7929.7287	447.98823	187.035919	62.466632	19030.154	16825.654	1312.5793	863.20716
7.115882	17.373638	8.856841	7.984174	3.2	3.2	1.2	16.618854	15.680409	4.438503	2.190746
110.95893	385.734864	102.339865	175.8529	12	4.8	1.2	433.25057	382.06772	32.73102	17.788958
40.537841	42.898928	40.994041	41.805147				42.325287	35.10186	58.355284	47.723626
1.216135	17.465462	2.459642	1.672205				5.079034	3.861204	0.583552	0.954472
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
0.309239	0.997641	0.281117	0.4415	0.030612	0.012467	0.00283	1.121938	1.113352	0.086189	0.05026
606.73094	2754.21566	505.057652	918.37593	19.631678	5.50146	2.235159	2220.9936	2423.5904	118.23508	52.349627
606.73094	2754.21566	505.057652	918.37593	19.631678	5.50146	2.235159	2220.9936	2423.5904	118.23508	52.349627
2.841068	37.265135	3.360134	0.747102				6.549425	9.832279	0.968979	1.511041
116.22442	1569.33825	137.579449	31.45509				269.90394	326.62709	56.545084	68.804016
1.41	5.43	1.51	2.45	0.24	0.11	0.03	6.05	5.54	0.49	0.33
-606.7309	-2754.2157	-505.05765	-918.37593	-19.631678	-5.50146	-2.235159	-2220.9936	-2423.5904	-118.23508	-52.349627
-5635.333	-21405.257	-5207.4439	-8848.1047	-467.61991	-192.53738	-64.701792	-21251.148	-19249.244	-1430.8144	-915.55679
0.01	0.24						0.06	0.06		0.02

678.7755	3106.0022	693.3049	978.4227	55.1522	24.0529	7.7027	2844.6797	2567.4383	183.4803	90.2532
0.01	0.16	0.02	0.04		0.01		0.45	0.08	0.01	0.02
4.084	84.194	11.938	23.876		4.084		202.85	41.018	4.166	8.332
4553.7428	17672.0582	4354.64585	7048.4671	428.35655	181.534459	60.231472	17102.79	14771.286	1256.1079	883.12269
4553.7428	17672.0582	4354.64585	7048.4671	428.35655	181.534459	60.231472	17102.79	14771.286	1256.1079	883.12269
4544.5588	17563.9962	4338.93385	7016.6351	428.35655	177.450459	60.231472	16887.252	14709.572	1251.4219	874.68669
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
4.084	84.194	11.938	23.876		4.084		202.85	41.018	4.166	8.332
4553.7428	17672.0582	4354.64585	7048.4671	428.35655	181.534459	60.231472	17102.79	14771.286	1256.1079	883.12269
5.1	23.868	3.774	7.956				12.688	20.696	0.52	0.104

0.03538	0.033608	0.029707	0.0202	0.02528	0.023359	0.032334	0.029821	0.031562	0.025025	0.01927

1419.92	1639	1459.32	1567.68	1528.36	1500.12	1641.16	1521.24	1363.56	1528.76	1506.4
3.858478	3.865566	3.88117	3.9192	3.898877	3.896415	3.87066	3.880714	3.87375	3.909872	3.922916
1472	1696	1504	1600	1568	1536	1696	1568	1408	1568	1536
4	4	4	4	4	3.98961	4	4	4	4.01023	4

10.521997	10.396507	10.553706	10.543499	10.395114	10.48236	10.251198	10.219755	10.277113	10.431846	10.503217
0.389476	0.45562	0.384208	0.421413	0.463737	0.418393	0.566222	0.657629	0.607756	0.463853	0.421473
0.202859	0.430293	0.360354	0.398892	0.439255	0.396628	0.53625	0.618799	0.578329	0.440626	0.397123
91897.295	225222.391	169598.602	190676.49	199929	187368.377	276873.388	310648.83	258033.28	207957.44	137396.97
480.32747	998.234724	797.259485	1104.3156	1162.0001	952.466068	1186.34536	1334.6977	1157.7901	1048.7236	783.74952
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
0.052364	0.057075	0.064893	0.05475	0.056198	0.055781	0.05599	0.061071	0.049801	0.050153	0.058177
45834.765	111073.848	83623.8202	97820.678	104596.57	93358.375	136399.139	144198.48	121660.58	105072.06	93415.092
41073.347	99380.0677	74907.2518	87412.98	93994.145	83897.1984	122328.14	139348.82	117620.49	102407.39	91148.622
1.9798	1.9798	1.9798	1.9798	1.9798	1.9798	1.9798	2.2315	2.2315	2.2315	2.2315
49950.727	121048.28	91133.2392	106604.98	113989.34	101741.957	148647.782	181906.39	153474.83	132548.4	117843.14

11157.44	23428.28	20603.76	22156.66	21680.242	21247.188	23455.236	21568.316	19599.942	21819.124	21138.192
30.31913	55.255377	54.797234	55.391649	55.306739	55.187501	55.318952	55.021214	55.681653	55.803386	55.047374
21564.8	24846.4	22033.6	23440	22971.2	22502.4	24846.4	22971.2	20627.2	22971.2	22502.4
58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.749872	58.599999
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
28.579968	23.648992	24.856162	23.940441	23.993573	24.410233	22.921457	25.342194	25.455471	26.35036	26.688859
21.276912	21.029649	21.337856	21.322596	21.022154	21.19633	20.740573	23.266658	23.396036	23.735854	23.89215
119713.65	250988.723	194553.04	218630.59	238111.47	214595.043	303044.889	352571.56	297396.02	263233.15	234906.75
92025.627	250414.813	162417.258	198164.16	211764.48	182707.786	314547.755	436873.9	344620.5	249804.28	206490.36
-27688.02	-573.91072	-32135.782	-20466.436	-26346.987	-31887.257	11502.8664	84302.339	47224.487	-13428.87	-28416.387
92025.627	250414.813	162417.258	198164.16	211764.48	182707.786	314547.755	436873.9	344620.5	249804.28	206490.36
190.4	399.8	351.6	378.1	369.97	362.58	400.26	368.06	334.47	372.34	360.62
1095.3641	17.013399	14.846687	7548.9863	12595.088	2287.07454	98.291672	17145.08	18549.516	31654.349	75705.449
997.10115	18.910482	16.076181	6806.5688	14001.021	2706.04169	110.241882	23776.451	25074.536	37546.847	83307.486
7.712081	0.347271	0.276914	11.894317	15.80483	9.274892	1.415689	14.858313	18.057093	20.228134	25.066034
51.732601	0.802362	0.702118	354.18742	608.94269	110.639255	4.764484	754.99655	814.36968	1370.7291	3235.9484
20.470592	16.805186	16.377871	20.874031	20.356703	19.73099	19.086789	22.950206	22.567174	21.938483	22.448106
13.644481	4.866809	4.878023	15.095576	18.899911	18.679572	11.99008	22.399326	21.983144	20.575939	19.417514
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
11.887586	25.215183	21.116771	23.3751	25.740382	23.182083	31.424306	36.261673	33.89009	25.886777	23.271411
-51645.85	-58632.211	-75845.953	-71597.305	-81019.616	-80685.68	-59792.964	8929.7927	-16367.501	-68350.035	-77244.456
-51645.85	-58632.211	-75845.953	-71597.305	-81019.616	-80685.68	-59792.964	8929.7927	-16367.501	-68350.035	-77244.456
4322.8994	10690.4356	7939.20388	8995.8526	9481.2873	8814.46274	13319.1415	13459.579	11114.942	8751.0009	5700.2736
91897.295	225222.391	169598.602	190676.49	199929	187368.377	276873.388	310648.83	258033.28	207957.44	137396.97
			0.39	0.33	0.12		2.13	2.62	3.74	8.52
27688.023	573.910717	32135.7821	20466.436	26346.987	31887.2573	-11502.866	-84302.339	-47224.487	13428.87	28416.387
26690.922	555.000234	32119.7059	13659.867	12345.966	29181.2156	-11613.108	-108078.79	-72299.022	-24117.977	-54891.099
1.15	2.28	1.99	5.63	2.01	1.9	6.19	14.84	16.3	17.5	14.73
0.453804										0.002604
30501.109	78383.8452	65424.4102	57991.216	56850.95	63651.3193	83156.8032	76756.524	67257.065	65509.621	56456.216
1.65	1.59	1.54	1.26	1.58	1.54	1.61	1.5	1.26	1.43	1.32
26720.991	25749.3186	24939.5916	20405.12	25587.373	24939.5916	26073.2094	24777.645	20813.222	23621.355	21804.328
143671.48	309047.024	238263.211	269761.46	292784.09	263393.466	374340.719	427944.1	360988.01	318154.31	283734.82
143671.48	309047.024	238263.211	269761.46	292784.09	263393.466	374340.719	427944.1	360988.01	318154.31	283734.82
91024.074	220428.348	166040.491	194017.96	207983.49	185639.155	270975.922	321255.21	271095.31	234955.8	208991.76

4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
26720.991	25749.3186	24939.5916	20405.12	25587.373	24939.5916	26073.2094	24777.645	20813.222	23621.355	21804.328
143671.48	309047.024	238263.211	269761.46	292784.09	263393.466	374340.719	427944.1	360988.01	318154.31	283734.82
1968.5844	4811.0571	3572.9577	4207.518	4540.6035	4016.2959	5995.7577	6538.705	5487.4835	4655.9958	4110.6621
			0.07	0.01					0.22	0.86
3.9	11.1	4.35	4.5	0.45	0.15		8.1	7.8	1.65	0.6
0.005037	0.016675	0.003783	0.006793	0.000153	0.000026		0.01529	0.017124	0.000997	0.000354
0.004918	0.01625	0.003723	0.0064	0.000153	0.000026		0.014897	0.016448	0.000943	0.000312
8.864214	209.860102	7.847213					5.050937	43.854526		
0.038315	0.777847	0.033371					0.020749	0.186216		
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
0.026793	0.028325	0.03601	0.033775	0.039183	0.026692	0.022783	0.024821	0.033295	0.024336	0.031276
380.1	1446.9	294	537.6	12.6	2.1		1226.4	1215.9	77.7	25.2
1069.977	4249.5997	860.636449	1507.4175	32.26095	5.172174		3198.8529	3059.6857	201.94161	79.790333
0.745279	2.142874	0.832023	0.838689	0.075829	0.024629		1.488289	1.390576	0.301967	0.121596
3.059766	68.755251	2.79568					1.798009	14.7		
5013.96	5767.86	5074.44	5410.86	5272.96	5232.5	5800.76	5351.78	4763.92	5354.44	5207.86
13.624891	13.603443	13.495851	13.52715	13.451428	13.590909	13.681037	13.6525	13.533863	13.694219	13.562135
5152	5936	5264	5600	5488	5376	5936	5488	4928	5488	5376
14	14	14	14	14	13.963636	14	14	14	14.035805	14
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
11.179188	33.074473	12.587488	12.905335	1.137441	0.369441		24.936821	22.380145	4.904519	1.823947
11.179188	33.074473	12.587488	12.905335	1.137441	0.369441		24.936821	22.380145	4.904519	1.823947
1069.977	4323.0997	871.136449	1528.4175	32.26095	5.172174		3429.8529	3143.6857	212.44161	79.790333
1195.3549	4872.23814	954.872204	1681.7284	33.23268	5.256304		3642.6605	3595.1944	218.5508	81.913571
125.37789	549.138443	83.735754	153.3109	0.97173	0.08413		212.80758	451.50865	6.109191	2.123237
1195.3549	4872.23814	954.872204	1681.7284	33.23268	5.256304		3642.6605	3595.1944	218.5508	81.913571
198.16	337.38	263.57	159.72	95.87	75.92	49.34	182.84	184.97	136.85	98.19
1061.1128	4113.23959	863.289236	1528.4175	32.26095	5.172174		3424.802	3099.8312	212.44161	79.790333
1185.1905	4638.05958	945.813616	1681.7284	33.23268	5.256304		3637.3695	3559.5269	218.5508	81.913571
3.635734	10.297869	4.039291	4.2	0.42	0.14		7.550458	7.28	1.54	0.56
25.136015	91.876316	19.413621	35.84	0.84	0.14		81.640132	80.08	5.18	1.68
43.853564	47.969931	42.103592					43.365216	38.930057		
0.438535	7.675189	0.421035					1.734608	0.778601		

25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
0.068858	0.2275	0.052127	0.0896	0.002142	0.000363		0.208571	0.230284	0.013248	0.004375
125.37789	549.138443	83.735754	153.3109	0.97173	0.08413		212.80758	451.50865	6.109191	2.123237
125.37789	549.138443	83.735754	153.3109	0.97173	0.08413		212.80758	451.50865	6.109191	2.123237
0.203984	4.583683	0.186378					0.119867	0.98		
8.864214	209.860102	7.847213					5.050937	43.854526		
1.31	4.38	1.04	1.88	0.06	0.01		4.76	3.78	0.32	0.12
-125.3779	-549.13844	-83.735754	-153.3109	-0.97173	-0.08413		-212.80758	-451.50865	-6.109191	-2.123237
-1310.568	-5187.198	-1029.5494	-1835.0393	-34.204411	-5.340435		-3850.1771	-4011.0355	-224.65999	-84.036808
	0.19							0.07		
386.1172	1733.8198	333.5299	503.7417	11.0092	2.1035		1402.3878	1322.7501	77.5945	22.0339
	0.07	0.01	0.02				0.22	0.08	0.01	
	73.5	10.5	21				231	84	10.5	
1069.977	4323.0997	871.136449	1528.4175	32.26095	5.172174		3429.8529	3143.6857	212.44161	79.790333
1069.977	4323.0997	871.136449	1528.4175	32.26095	5.172174		3429.8529	3143.6857	212.44161	79.790333
1069.977	4249.5997	860.636449	1507.4175	32.26095	5.172174		3198.8529	3059.6857	201.94161	79.790333
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
	73.5	10.5	21				231	84	10.5	
1069.977	4323.0997	871.136449	1528.4175	32.26095	5.172174		3429.8529	3143.6857	212.44161	79.790333

11.393647	11.118096	11.299851	11.214822	11.205078	11.260917	10.95444	10.793161	10.873402	11.084578	11.16681
0.251644	0.30564	0.263771	0.269986	0.279436	0.265059	0.324492	0.428191	0.393122	0.309903	0.288515
0.225035	0.294057	0.253827	0.253498	0.269641	0.254545	0.308173	0.413151	0.377494	0.298359	0.276165
614476.66	1034702.86	820175.329	664845.94	625563.42	717009.052	1007818.67	1035650.1	859170.81	775969.78	562069.35
3455.8446	4654.32777	3922.66018	3902.5239	3638.9289	3664.19492	4318.88536	4443.1005	3855.0019	3949.0645	3221.2744
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
0.035051	0.03632	0.034158	0.034502	0.033186	0.03526	0.030291	0.032544	0.036598	0.032439	0.035272
345769.72	508494.449	395323.092	416009.74	433956.98	403602.086	524740.105	638306.78	527651.9	474509.48	433618.56
320351.32	495632.532	365922.614	389007.57	391067.96	362534.427	471165.308	670249.37	548735.21	468293.43	428143.84
2.16456	2.166291	2.150683	2.167434	2.131692	2.13518	2.139606	2.24654	2.239046	2.211461	2.207924
429482.04	608509.32	486136.355	513713.93	536034.11	500867.867	654143.863	763884.53	631983.11	582691.55	531270.11
297.54396	4016.67956	891.328456	476.90231	1.473592	39.48714	63.959296	1757.5512	1334.0893	192.54833	116.01151
120730.03	149739.43	132809.115	137934.03	138835.03	135327.998	147732.391	138831.15	124096.28	138530.33	134892.59
328.07072	353.159033	353.215731	344.83506	354.171	351.501293	348.42545	354.16109	352.54624	354.29753	351.28279

135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
367.1	367.099999	367.099999	367.1	367.1	366.146493	367.099999	367.1	367.1	368.03887	367.1
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
131.49426	194.328176	137.952338	131.49922	89.796033	93.497091	88.839341	172.59552	169.79797	116.39246	105.6587
25.838239	25.287961	25.416687	25.448534	24.918026	25.081784	24.456093	25.4912	25.554395	25.604901	25.74209
822917.11	1196744.27	925523.017	981394.71	1002748.4	938402.591	1214367.25	1544146.6	1271170.9	1133257.8	1036324
571614.58	1042906.5	666791.885	742271.79	760215.75	680021.643	1104560.1	1820825.1	1391284.4	999562	843782.93
-251302.5	-153837.77	-258731.13	-239122.93	-242532.67	-258380.95	-109807.15	276678.53	120113.49	-133695.82	-192541.03
571614.58	1042906.5	666791.885	742271.79	760215.75	680021.643	1104560.1	1820825.1	1391284.4	999562	843782.93
1669.6	2524.79	2131.85	1716.04	1594.53	1480.5	1511.39	1936	1759.43	1693.62	1522.61
171478.66	125043.113	71427.716	280712.31	341865.99	183810.327	166588.495	473123.12	381000.44	322155.07	439982.41
141211.4	140760.868	73704.1573	241355.29	296370.14	166606.509	175910.768	587363.18	461369.57	333474.76	403848.33
15.159032	18.516294	13.036784	16.985473	17.084884	15.925914	15.039776	23.05573	23.10562	17.829775	17.389059
6186.8559	4128.95562	2493.00068	10317.899	13041.243	6933.05024	6291.94937	16831.856	13656.158	11831.395	16328.786
21.082911	25.304012	19.716348	21.948217	21.049712	19.737947	21.266953	26.644785	24.286016	22.008156	22.567041
17.198776	24.962083	19.151632	17.199043	17.874554	18.125112	20.895999	26.263342	23.781498	20.103797	18.445325
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
82.610407	107.948622	93.180021	93.05942	98.985214	93.201106	113.130627	151.6678	138.57816	109.80784	101.38031
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24213.774	41641.2604	32542.6873	26905.869	25760.961	28949.3758	41675.4366	42621.92	35123.356	31103.471	22601.254
614476.66	1034702.86	820175.329	664845.94	625563.42	717009.052	1007818.67	1035650.1	859170.81	775969.78	562069.35
99.83	80.82	53.73	142.57	194.4	118.52	132.47	225.6	180.89	174.63	211.92
251302.53	153837.765	258731.132	239122.93	242532.67	258380.948	109807.152	-276678.53	-120113.49	133695.82	192541.03
110091.13	13076.8968	185026.974	-2232.3597	-53837.468	91774.4389	-66103.616	-864041.71	-581483.07	-199778.94	-211307.31
211.32	333.15	309.04	188.37	152.36	238.2	287.71	163.06	167.34	193.21	123.72
0.041254		0.000241	0.017954		0.000236	0.013507				0.000473
152240.52	261630.105	213540.102	171301.73	182219.13	201069.368	251917.412	259044.81	220338.44	208271.42	179331.14
3.77	4.42	3.52	4.78	3.64	4.15	4.61	4.96	3.81	3.8	3.81
37007.057	37316.976	34002.3104	35952.469	35348.964	37613.5022	39975.0646	36116.528	31281.259	35220.188	34345.458
1000572.8	1451881.17	1128872.48	1193993.6	1228812.3	1148949.39	1488360.28	1864576.3	1536695.2	1379573.9	1261673.9
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749833.35	1104141.85	852058.969	902721.5	927102.08	863402.294	1125309.17	1434133.9	1180718.3	1050985	959413.95
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
37007.057	37316.976	34002.3104	35952.469	35348.964	37613.5022	39975.0646	36116.528	31281.259	35220.188	34345.458

1000572.8	1451881.17	1128872.48	1193993.6	1228812.3	1148949.39	1488360.28	1864576.3	1536695.2	1379573.9	1261673.9
36076.698	55285.4402	39461.7368	42720.746	40297.383	37386.795	49083.0177	73896.192	59171.342	47052.644	42564.555
55.02	9.45	12.92	68.14	44.98	27.1	2.74	3.05	3.56	23.57	48.02
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
125494.82	324118.193	264339.493	103869.86	70196.981	147381.007	284211.371	149301.07	144660.34	117461.78	56178.714
678.45534	1461.20517	1248.17503	579.79065	398.59016	745.390764	1220.54418	636.26761	642.75398	590.02087	317.76369
-64520.23	-92728.964	-77944.374	-67245.785	-66946.697	-74871.976	-98199.756	-90937.155	-78164.858	-76474.277	-66479.906
64520.226	92728.9635	77944.3736	67245.785	66946.697	74871.9758	98199.7556	90937.155	78164.858	76474.277	66479.906
125494.82	324118.193	264339.493	103869.86	70196.981	147381.007	284211.371	149301.07	144660.34	117461.78	56178.714
210.25	331.77	307.57	186.25	149.5	235.71	286.83	161.7	166.21	191.3	121.2
126.84863	168.629508	158.108772	120.39271	95.756521	123.191692	154.978792	138.39696	134.91896	116.13424	91.797648
40.071165	64.227253	60.240751	37.772641	31.657721	43.385225	58.605225	49.929389	51.322337	38.742808	29.070605
8655.7717	21591.6102	18769.423	7363.7292	4913.1637	10451.3744	17268.6893	8729.1724	8874.1945	7646.5466	3692.5654
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-1058175	-1747117.2	-1270635.9	-1137889.7	-1166074.1	-1251882.3	-2007080.9	-2444394.8	-1914021.2	-1535577.3	-1251573.9
-16.39466	-18.843545	-16.302176	-16.914944	-17.419629	-16.726111	-20.447584	-26.903421	-24.493433	-20.074762	-18.823965
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1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1183669.6	2071235.44	1534975.37	1241759.5	1236271.1	1399263.27	2291292.24	2593695.9	2058681.6	1653039	1307752.6
64520.226	92728.9635	77944.3736	67245.785	66946.697	74871.9758	98199.7556	90937.155	78164.858	76474.277	66479.906
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
125494.82	324118.193	264339.493	103869.86	70196.981	147381.007	284211.371	149301.07	144660.34	117461.78	56178.714
678.45534	1461.20517	1248.17503	579.79065	398.59016	745.390764	1220.54418	636.26761	642.75398	590.02087	317.76369
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64520.226	92728.9635	77944.3736	67245.785	66946.697	74871.9758	98199.7556	90937.155	78164.858	76474.277	66479.906
125494.82	324118.193	264339.493	103869.86	70196.981	147381.007	284211.371	149301.07	144660.34	117461.78	56178.714
210.25	331.77	307.57	186.25	149.5	235.71	286.83	161.7	166.21	191.3	121.2
126.84863	168.629508	158.108772	120.39271	95.756521	123.191692	154.978792	138.39696	134.91896	116.13424	91.797648

40.071165	64.227253	60.240751	37.772641	31.657721	43.385225	58.605225	49.929389	51.322337	38.742808	29.070605
8655.7717	21591.6102	18769.423	7363.7292	4913.1637	10451.3744	17268.6893	8729.1724	8874.1945	7646.5466	3692.5654
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-175.3267	-218.70039	-207.29887	-168.11446	-170.78239	-194.47266	-231.6032	-231.98254	-222.05925	-195.58639	-173.12475
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-16.39466	-18.843545	-16.302176	-16.914944	-17.419629	-16.726111	-20.447584	-26.903421	-24.493433	-20.074762	-18.823965
-1058175	-1747117.2	-1270635.9	-1137889.7	-1166074.1	-1251882.3	-2007080.9	-2444394.8	-1914021.2	-1535577.3	-1251573.9
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1183669.6	2071235.44	1534975.37	1241759.5	1236271.1	1399263.27	2291292.24	2593695.9	2058681.6	1653039	1307752.6
64520.226	92728.9635	77944.3736	67245.785	66946.697	74871.9758	98199.7556	90937.155	78164.858	76474.277	66479.906
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9

3641.4932	3314.96168	3167.46351	4065.2066	4698.5805	4372.27074	4758.29487	4932.3437	4134.2808	4108.464	4363.8183
57056.997	55918.6296	47105.166	65258.978	81824.906	72199.4696	94619.5486	131276.09	100804.51	81457.024	81971.697
204.76327			348.54573	83.429953	2.833777				0.096858	359.81397
3.785518			5.435381	1.135723	0.115795				0.009772	3.255075
18.720262			33.41176	4.756603	0.200612				0.009772	21.991715
14.613999	19.200006	12.997324	14.667009	14.603217	15.597035	19.57467	25.925253	24.504346	20.212389	18.700111
2.338239	0.96	0.779839	1.4667	0.73016	0.623881	1.565973	1.03701	0.73513	1.212743	2.431014
3641.4932	3314.96168	3167.46351	4065.2066	4698.5805	4372.27074	4758.29487	4932.3437	4134.2808	4108.464	4363.8183
9.895361	7.818305	8.424105	10.163016	11.986174	11.356547	11.222393	12.582509	11.745115	10.50758	11.36411
57056.997	55918.6296	47105.166	65258.978	81824.906	72199.4696	94619.5486	131276.09	100804.51	81457.024	81971.697
57056.997	55918.6296	47105.166	65258.978	81824.906	72199.4696	94619.5486	131276.09	100804.51	81457.024	81971.697
3622.7729	3314.96168	3167.46351	4031.7949	4693.8239	4372.07013	4758.29487	4932.3437	4134.2808	4108.4542	4341.8266
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1.81	0.54	0.31	0.89	0.26	0.16	1.08	0.29	0.21	0.59	0.34
64520.226	87715.6329	77944.3736	67245.785	66946.697	73318.5608	98199.7556	90937.155	78164.858	76474.277	66479.906
3641.4932	3314.96168	3167.46351	4065.2066	4698.5805	4372.27074	4758.29487	4932.3437	4134.2808	4108.464	4363.8183
3641.4932	3314.96168	3167.46351	4065.2066	4698.5805	4372.27074	4758.29487	4932.3437	4134.2808	4108.464	4363.8183
57056.997	55918.6296	47105.166	65258.978	81824.906	72199.4696	94619.5486	131276.09	100804.51	81457.024	81971.697
57056.997	55918.6296	47105.166	65258.978	81824.906	72199.4696	94619.5486	131276.09	100804.51	81457.024	81971.697
0.02			0.01							
170186.06	154441.098	134826.901	180989.6	197628.18	199948.71	223929.743	228019.89	210611.55	231903.41	248689.57
993.53589	718.162591	658.718474	1098.8906	1166.4147	1031.17704	973.291931	988.003	953.22177	1198.0627	1444.4331
6328.9722	5743.43986	5014.01642	6730.7399	7349.5048	7435.8018	8347.15622	8573.7931	7463.2015	8217.697	8812.529
99297.241	102233.609	78127.761	108611.05	126631.1	122548.787	167941.147	227779.66	181274.13	161989.88	163806.57
6328.9722	5743.43986	5014.01642	6730.7399	7349.5048	7435.8018	8347.15622	8573.7931	7463.2015	8217.697	8812.529
17.198294	13.545848	13.33515	16.826849	18.748736	19.31377	19.686689	21.871921	21.202277	21.017127	22.949294
-70888.82	-52207.489	-56699.14	-72378.55	-70997.081	-77399.923	-56540.609	-13533.506	-29337.42	-69913.532	-84883.002
-70888.82	-52207.489	-56699.14	-72378.55	-70997.081	-77399.923	-56540.609	-13533.506	-29337.42	-69913.532	-84883.002
6328.9722	5743.43986	5014.01642	6730.7399	7349.5048	7435.8018	8327.06203	8093.1358	7463.2015	8217.697	8812.529
170186.06	154441.098	134826.901	180989.6	197628.18	199948.71	223929.743	228019.89	210611.55	231903.41	248689.57
70888.822	52207.4888	56699.1404	72378.55	70997.081	77399.9234	56540.6093	13533.506	29337.42	69913.532	84883.002
70888.822	52207.4888	56699.1404	72378.55	70997.081	77399.9234	56540.6093	13533.506	29337.42	69913.532	84883.002
64520.226	92728.9635	77944.3736	67245.785	66946.697	74871.9758	98199.7556	90937.155	78164.858	76474.277	66479.906
170186.06	154441.098	134826.901	180989.6	197628.18	199948.71	224481.756	241313.17	210611.55	231903.41	248689.57
170186.06	154441.098	134826.901	180989.6	197628.18	199948.71	224481.756	241313.17	210611.55	231903.41	248689.57
6328.9722	5743.43986	5014.01642	6730.7399	7349.5048	7435.8018	8347.15622	8573.7931	7463.2015	8217.697	8812.529
170186.06	154441.098	134826.901	180989.6	197628.18	199948.71	224481.756	241313.17	210611.55	231903.41	248689.57
170186.06	154441.098	134826.901	180989.6	197628.18	199948.71	224481.756	241313.17	210611.55	231903.41	248689.57
6328.9722	5743.43986	5014.01642	6730.7399	7349.5048	7435.8018	8347.15622	8573.7931	7463.2015	8217.697	8812.529
99297.241	102233.609	78127.761	108611.05	126631.1	122548.787	167941.147	227779.66	181274.13	161989.88	163806.57
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170186.06	154441.098	134826.901	180989.6	197628.18	199948.71	224481.756	241313.17	210611.55	231903.41	248689.57
177566.57	160639.991	140251.718	188581.58	205935.72	208237.054	233228.037	235755.05	217667.06	239723.64	256887.22
1036.6755	746.935313	685.208915	1145.0925	1215.5959	1073.93569	1013.78129	1021.5262	985.13758	1238.5183	1491.9153
7125.4644	6446.22756	5628.07857	7567.4793	8263.8732	8356.22209	9381.33992	9634.5271	8384.7096	9234.3468	9895.5014
111738.35	114825.368	87730.747	122060.24	142355.15	137715.308	188727.772	255955.72	203656.85	182013.14	183976.84

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19.362674	15.203366	14.968294	18.918698	21.081309	21.704472	22.125801	24.577875	23.820197	23.617255	25.769534
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7125.4644	6446.22756	5628.07857	7567.4793	8263.8732	8356.22209	9358.70338	9094.3533	8384.7096	9234.3468	9895.5014
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65828.219	45814.6231	52520.9711	66521.346	63580.57	70521.7469	45078.7607	-6405.1749	14010.211	57710.502	72910.38
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	0.04									
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177566.57	160639.991	140251.718	188581.58	205935.72	208237.054	233806.533	249550.54	217667.06	239723.64	256887.22
177566.57	160639.991	140251.718	188581.58	205935.72	208237.054	233806.533	249550.54	217667.06	239723.64	256887.22
7125.4644	6446.22756	5628.07857	7567.4793	8263.8732	8356.22209	9381.33992	9634.5271	8384.7096	9234.3468	9895.5014
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7125.4644	6446.22756	5628.07857	7567.4793	8263.8732	8356.22209	9381.33992	9634.5271	8384.7096	9234.3468	9895.5014
111738.35	114825.368	87730.747	122060.24	142355.15	137715.308	188727.772	255955.72	203656.85	182013.14	183976.84
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177566.57	160639.991	140251.718	188581.58	205935.72	208237.054	233806.533	249550.54	217667.06	239723.64	256887.22
3735.3794	3307.1813	3262.75287	4048.7721	4582.3162	4240.89913	4664.39171	4886.4869	4031.6266	3994.3292	4304.6474
58401.147	55849.3456	48277.1857	64597.891	79732.529	70158.336	92518.8912	129925.47	98284.507	79221.551	80795.619
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3735.3794	3307.1813	3262.75287	4048.7721	4582.3162	4240.89913	4664.39171	4886.4869	4031.6266	3994.3292	4304.6474
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58401.147	55849.3456	48277.1857	64597.891	79732.529	70158.336	92518.8912	129925.47	98284.507	79221.551	80795.619
3734.4137	3307.1813	3262.75287	4048.0158	4582.3162	4240.89913	4664.39171	4886.4869	4031.6266	3994.3292	4304.5098
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64520.226	88087.1594	77944.3736	67245.785	65894.628	72953.0249	98199.7556	88857.678	76732.874	74385.752	66479.906
3735.3794	3307.1813	3262.75287	4048.7721	4582.3162	4240.89913	4664.39171	4886.4869	4031.6266	3994.3292	4304.6474
3735.3794	3307.1813	3262.75287	4048.7721	4582.3162	4240.89913	4664.39171	4886.4869	4031.6266	3994.3292	4304.6474
58401.147	55849.3456	48277.1857	64597.891	79732.529	70158.336	92518.8912	129925.47	98284.507	79221.551	80795.619
58401.147	55849.3456	48277.1857	64597.891	79732.529	70158.336	92518.8912	129925.47	98284.507	79221.551	80795.619
3416.0846	3105.96983	2817.20593	3832.0018	4509.5769	4257.13119	4382.32292	4622.4162	3902.0584	4092.1152	4155.4983
54223.077	53461.6759	42827.8891	62565.593	78841.012	70398.7532	87878.8801	123664.55	95465.754	81132.465	78130.457
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3416.0846	3105.96983	2817.20593	3832.0018	4509.5769	4257.13119	4382.32292	4622.4162	3902.0584	4092.1152	4155.4983
54223.077	53461.6759	42827.8891	62565.593	78841.012	70398.7532	87878.8801	123664.55	95465.754	81132.465	78130.457
54223.077	53461.6759	42827.8891	62565.593	78841.012	70398.7532	87878.8801	123664.55	95465.754	81132.465	78130.457
195326.28	219744.174	189402.475	159428.78	129420.74	146323.64	192182.256	184408.31	176393.66	198614.34	212618.25
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3812.7324	4289.36511	3697.10082	3112.0199	2526.2685	2856.21004	3751.36163	3599.6157	3443.1712	3876.9146	4150.2683
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3812.7324	4289.36511	3697.10082	3112.0199	2526.2685	2856.21004	3751.36163	3599.6157	3443.1712	3876.9146	4150.2683
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135606.71	144716.565	132213.03	110827.58	86893.722	99902.0701	116772.514	89266.181	93923.458	123181.62	137407.08
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64520.226	92728.9635	77944.3736	67245.785	66946.697	69701.7769	98199.7556	90937.155	78164.858	76474.277	66479.906
195326.28	219744.174	189402.475	159428.78	129420.74	146323.64	192182.256	184408.31	176393.66	198614.34	212618.25
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3812.7324	4289.36511	3697.10082	3112.0199	2526.2685	2856.21004	3751.36163	3599.6157	3443.1712	3876.9146	4150.2683
195326.28	219744.174	189402.475	159428.78	129420.74	146323.64	192182.256	184408.31	176393.66	198614.34	212618.25
195326.28	219744.174	189402.475	159428.78	129420.74	146323.64	192182.256	184408.31	176393.66	198614.34	212618.25
3812.7324	4289.36511	3697.10082	3112.0199	2526.2685	2856.21004	3751.36163	3599.6157	3443.1712	3876.9146	4150.2683
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228311.77	207993.043	192606.598	231087.51	274917.47	249980.842	253824.258	282270.97	182031.33	272270.05	293372.24
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3610.243	3288.94754	3045.64512	3654.1353	4347.2086	3952.89123	4025.9407	4635.2279	2808.2587	4200.4018	4525.9525
54456.257	54440.5485	44514.1589	55784.954	73293.251	64175.4566	79192.1876	120741.13	67801.033	80607.866	82303.054
3610.243	3288.94754	3045.64512	3654.1353	4347.2086	3952.89123	4025.9407	4635.2279	2808.2587	4200.4018	4525.9525
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3610.243	3288.94754	3045.64512	3654.1353	4347.2086	3952.89123	4013.49309	4357.7115	2808.2587	4200.4018	4525.9525
228311.77	207993.043	192606.598	231087.51	274917.47	249980.842	253824.258	282270.97	182031.33	272270.05	293372.24
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173855.51	153552.494	148092.439	175302.56	201624.22	185805.385	175427.969	179275.87	114230.3	191662.18	211069.18
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228311.77	207993.043	192606.598	231087.51	274917.47	249980.842	254620.157	300017	182031.33	272270.05	293372.24
228311.77	207993.043	192606.598	231087.51	274917.47	249980.842	254620.157	300017	182031.33	272270.05	293372.24
3610.243	3288.94754	3045.64512	3654.1353	4347.2086	3952.89123	4025.9407	4635.2279	2808.2587	4200.4018	4525.9525
228311.77	207993.043	192606.598	231087.51	274917.47	249980.842	254620.157	300017	182031.33	272270.05	293372.24
228311.77	207993.043	192606.598	231087.51	274917.47	249980.842	254620.157	300017	182031.33	272270.05	293372.24

3610.243	3288.94754	3045.64512	3654.1353	4347.2086	3952.89123	4025.9407	4635.2279	2808.2587	4200.4018	4525.9525
54456.257	54440.5485	44514.1589	55784.954	73293.251	64175.4566	79192.1876	120741.13	67801.033	80607.866	82303.054
-173855.5	-153552.49	-148092.44	-175302.56	-201624.22	-185805.38	-175427.97	-179275.87	-114230.3	-191662.18	-211069.18
228311.77	207993.043	192606.598	231087.51	274917.47	249980.842	254620.157	300017	182031.33	272270.05	293372.24
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	903164.294	930454.22	786703.6	942511.43	1011567.3
4499.8948	3457.79494	3210.18313	4632.4955	4781.9499	4151.87563	3933.8554	4040.324	3567.1843	4880.2366	5887.7983
31670.369	29496.0929	26632.2632	33010.355	36277.329	35471.4262	39310.808	40884.411	34167.307	37724.269	40208.215
494892.64	511756.786	405772.353	527479.9	625204.97	583617.68	786288.169	1084484.8	829756.99	741854.64	746195.39
218.31227			353.4757	83.429953	2.833777				0.096858	361.66401
0.562554			0.814371	0.162246	0.016542				0.001396	0.473254
19.689141			34.168045	4.756603	0.200612				0.009772	22.12928
14.613999	18.082901	12.997324	14.667009	14.603217	15.553396	19.57467	25.925253	24.504346	20.212389	18.700111
2.338239	0.904145	0.779839	1.4667	0.73016	0.622135	1.565973	1.03701	0.73513	1.212743	2.431014
31670.369	29496.0929	26632.2632	33010.355	36277.329	35471.4262	39310.808	40884.411	34167.307	37724.269	40208.215
86.060785	69.566256	70.830487	82.525887	92.544205	92.133574	92.714169	104.29697	97.066212	96.481505	104.70889
-276498	-231061.52	-251315.34	-232607.57	-182697.14	-220872.57	-118802.53	109195.73	43053.388	-200656.79	-265371.88
-276498	-231061.52	-251315.34	-232607.57	-182697.14	-220872.57	-118802.53	109195.73	43053.388	-200656.79	-265371.88
31650.68	29496.0929	26632.2632	32976.187	36272.572	35471.2256	39255.6296	39586.063	34167.307	37724.259	40186.086
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	903164.294	930454.22	786703.6	942511.43	1011567.3
			0.02							
276498.05	231061.52	251315.34	232607.57	182697.14	220872.567	118802.533	-109195.73	-43053.388	200656.79	265371.88
276279.73	231061.52	251315.34	232254.1	182613.71	220869.733	118802.533	-109195.73	-43053.388	200656.69	265010.21
1.81	0.58	0.31	0.89	0.26	0.18	1.08	0.29	0.21	0.59	0.34
451569.53	631777.094	545610.615	470473.75	466184.79	515410.316	687398.289	633918.1	544417.13	531020.82	465359.34
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	905090.702	975289.02	786703.6	942511.43	1011567.3
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	905090.702	975289.02	786703.6	942511.43	1011567.3
31670.369	29496.0929	26632.2632	33010.355	36277.329	35471.4262	39310.808	40884.411	34167.307	37724.269	40208.215
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	905090.702	975289.02	786703.6	942511.43	1011567.3
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	905090.702	975289.02	786703.6	942511.43	1011567.3
31670.369	29496.0929	26632.2632	33010.355	36277.329	35471.4262	39310.808	40884.411	34167.307	37724.269	40208.215
494892.64	511756.786	405772.353	527479.9	625204.97	583617.68	786288.169	1084484.8	829756.99	741854.64	746195.39
-276498	-231061.52	-251315.34	-232607.57	-182697.14	-220872.57	-118802.53	109195.73	43053.388	-200656.79	-265371.88
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	905090.702	975289.02	786703.6	942511.43	1011567.3
0.02			0.01							

11.393647	11.118096	11.299851	11.214822	11.205078	11.260917	10.95444	10.793161	10.873402	11.084578	11.16681
0.251644	0.30564	0.263771	0.269986	0.279436	0.265059	0.324492	0.428191	0.393122	0.309903	0.288515
0.225035	0.294057	0.253827	0.253498	0.269641	0.254545	0.308173	0.413151	0.377494	0.298359	0.276165
1058174.8	1747117.25	1270635.88	1137889.7	1166074.1	1251882.27	2007080.87	2444394.8	1914021.2	1535577.3	1251573.9
1511362.2	2101639.35	1741602.51	1528803.3	1503662.5	1668880.31	2195194.33	2115405.4	1790534.8	1835943	1629815.3
8634.1947	9573.32788	8381.01834	9114.81	8819.469	8561.46131	9473.28495	9119.6921	8064.9402	9419.3219	9426.8363
-2449.227	-17462.655	-16276.422	2988.3382	8132.8359	-3518.1236	-10921.562	9401.0315	4781.9632	4184.8577	12658.35
2888225.5	3327738.11	2951013.04	3139375.6	3076588.1	3013800.55	3327895.08	3138119.8	2817903.5	3138119.8	3074076.6
0.035051	0.03632	0.034158	0.034502	0.033186	0.03526	0.030291	0.032544	0.036598	0.032439	0.035272
345769.72	508494.449	395323.092	416009.74	433956.98	403602.086	524740.105	638306.78	527651.9	474509.48	433618.56
320351.32	495632.532	365922.614	389007.57	391067.96	362534.427	471165.308	670249.37	548735.21	468293.43	428143.84
2.16456	2.166291	2.150683	2.167434	2.131692	2.13518	2.139606	2.24654	2.239046	2.211461	2.207924
429482.04	608509.32	486136.355	513713.93	536034.11	500867.867	654143.863	763884.53	631983.11	582691.55	531270.11
297.54396	4016.67956	891.328456	476.90231	1.473592	39.48714	63.959296	1757.5512	1334.0893	192.54833	116.01151
120730.03	149739.43	132809.115	137934.03	138835.03	135327.998	147732.391	138831.15	124096.28	138530.33	134892.59
328.07072	353.159033	353.215731	344.83506	354.171	351.501293	348.42545	354.16109	352.54624	354.29753	351.28279
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
367.1	367.099999	367.099999	367.1	367.1	366.146493	367.099999	367.1	367.1	368.03887	367.1
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
131.49426	194.328176	137.952338	131.49922	89.796033	93.497091	88.839341	172.59552	169.79797	116.39246	105.6587
25.838239	25.287961	25.416687	25.448534	24.918026	25.081784	24.456093	25.4912	25.554395	25.604901	25.74209
822917.11	1196744.27	925523.017	981394.71	1002748.4	938402.591	1214367.25	1544146.6	1271170.9	1133257.8	1036324
571614.58	1042906.5	666791.885	742271.79	760215.75	680021.643	1104560.1	1820825.1	1391284.4	999562	843782.93
64520.226	92728.9635	77944.3736	67245.785	66946.697	74871.9758	98199.7556	90937.155	78164.858	76474.277	66479.906
-251302.5	-153837.77	-258731.13	-239122.93	-242532.67	-258380.95	-109807.15	276678.53	120113.49	-133695.82	-192541.03
1066507.2	1554663.29	1072564.24	1269751.7	1385420.7	1263639.32	1890848.27	2905309.9	2221041.4	1741416.6	1589978.3
1669.6	2524.79	2131.85	1716.04	1594.53	1480.5	1511.39	1936	1759.43	1693.62	1522.61
171478.66	125043.113	71427.716	280712.31	341865.99	183810.327	166588.495	473123.12	381000.44	322155.07	439982.41
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
125494.82	324118.193	264339.493	103869.86	70196.981	147381.007	284211.371	149301.07	144660.34	117461.78	56178.714
210.25	331.77	307.57	186.25	149.5	235.71	286.83	161.7	166.21	191.3	121.2
126.84863	168.629508	158.108772	120.39271	95.756521	123.191692	154.978792	138.39696	134.91896	116.13424	91.797648

2.671411	4.281816	4.01605	2.518176	2.261265	3.098944	4.508094	3.328625	3.421489	2.582853	1.93804
8,656	21,592	18,769	7,364	4,913	10,451	17,269	8,729	8,874	7,647	3,693
141429.71	140760.868	73704.1573	241708.76	296453.57	166609.342	175910.768	587363.18	461369.57	333474.86	404210
7.33674	8.640937	6.083832	8.306594	7.403216	6.833663	5.784529	10.759341	10.782622	8.321213	8.335746
6,207	4,129	2,493	10,352	13,046	6,933	6,292	16,832	13,656	11,831	16,351
20.841732	25.218674	19.622793	21.775653	20.972497	19.714731	21.227182	26.647209	24.291218	21.978544	22.424714
17.121695	24.880617	19.068037	17.09949	17.834394	18.114178	20.864058	26.266923	23.787684	20.100591	18.427459
-2449.227	-17462.655	-16276.422	2988.3382	8132.8359	-3518.1236	-10921.562	9401.0315	4781.9632	4184.8577	12658.35
-6.655507	-41.185506	-43.288357	7.470845	20.74703	-9.137983	-25.7584	23.982223	13.585122	10.70296	32.964452
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-72.15644	-61.685039	-63.34764	-73.834243	-73.117121	-66.198574	-59.465771	-60.689867	-61.869764	-68.723981	-75.363875
-4651857	-5714891.5	-4935044.9	-4961594.6	-4893955.9	-4955483.1	-5837578.7	-5517070.1	-4834282.2	-5254365.7	-5008913.3
55864.454	71137.3533	59174.9506	59882.056	62033.533	64420.6014	80931.0663	82207.983	69290.663	68827.73	62787.34
1385867.3	1777521.16	1477263.02	1424933.4	1433465.5	1521499.3	1910982.96	1966104.4	1645874.4	1718481.2	1573636.6
4474200.9	5459754.64	4731695.39	4748995.7	4667892	4744936.33	5563585.63	5196640.4	4568757.8	5008049.7	4783563.3
4458266	5643111.96	4922330.72	4611156.8	4441635.4	4725708	5671886.24	4758578.3	4252048.6	4792036.6	4435532
0.041254		0.000241	0.017954		0.000236	0.013507				0.000473
668330.27	986136.163	837095.091	709021.27	715350.62	791351.66	1037515.46	983900.07	842920.44	815766.51	711170.38
3.77	4.42	3.52	4.78	3.64	4.15	4.61	4.96	3.81	3.8	3.81
37007.057	37316.976	34002.3104	35952.469	35348.964	37613.5022	39975.0646	36116.528	31281.259	35220.188	34345.458
5718363.8	7269554.83	6007609.09	6231346.3	6279376.6	6219122.46	7728426.93	8422380	7055323.6	6995782.4	6598891.6
2830138.3	3941816.72	3056596.05	3091970.7	3202788.5	3205321.91	4400531.86	5284260.2	4237420	3857662.6	3524815
749833.35	1104141.85	852058.969	902721.5	927102.08	863402.294	1125309.17	1434133.9	1180718.3	1050985	959413.95
62070.999	75266.3089	61667.9512	70234.123	75079.533	71353.8522	87278.194	100338.19	82946.821	80659.135	79138.255
37007.057	37316.976	34002.3104	35952.469	35348.964	37613.5022	39975.0646	36116.528	31281.259	35220.188	34345.458
2830138.3	3941816.72	3056596.05	3091970.7	3202788.5	3205321.91	4400531.86	5284260.2	4237420	3857662.6	3524815
36076.698	55285.4402	39461.7368	42720.746	40297.383	37386.795	49083.0177	73896.192	59171.342	47052.644	42564.555
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	905090.702	975289.02	786703.6	942511.43	1011567.3
31670.369	29496.0929	26632.2632	33010.355	36277.329	35471.4262	39310.808	40884.411	34167.307	37724.269	40208.215
494892.64	511756.786	405772.353	527479.9	625204.97	583617.68	786288.169	1084484.8	829756.99	741854.64	746195.39
-276498	-231061.52	-251315.34	-232607.57	-182697.14	-220872.57	-118802.53	109195.73	43053.388	-200656.79	-265371.88
771390.68	742818.306	657087.692	760087.47	807902.11	804490.247	905090.702	975289.02	786703.6	942511.43	1011567.3

2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03
3138119.82	3074076.6	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.2	2874261.6	3331530.5
-3138119.8	-3074077	-3266206.3	-3010033.3	-3330249.6	-3010033	-3074076.6	-3394453	-3200882.2	-2874261.6	-3331530.5
-3138119.8	-3074077	-3266206.3	-3010033.3	-3330249.6	-3010033	-3074076.6	-3394453	-3200882.2	-2874261.6	-3331530.5
3138119.82	3074076.6	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.2	2874261.6	3331530.5
3138119.82	3074076.6	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.2	2874261.6	3331530.5
3138119.82	3074076.6	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.2	2874261.6	3331530.5
14.87	15.519999	17.169999	16.819999	14.82	16.42	17.27	18.019999	29.240345	26.670345	21.690276
0	0	0	0	0	0	0	0	0	0	0
14.74	15.389999	17.039999	16.689999	14.69	16.29	17.14	17.889999	29.114267	26.544267	21.564226
14.84	15.489999	17.139999	16.789999	14.79	16.39	17.24	17.989999	29.21125	26.64125	21.661188
14.089999	14.74	16.39	16.04	14.039999	15.639999	16.489999	17.24	28.483878	25.913877	20.933977
14.379999	15.03	16.68	16.33	14.329999	15.929999	16.779999	17.53	28.765129	26.195128	21.215165
$ 14.82	$ 15.47	$ 17.12	$ 16.77	$ 14.77	$ 16.37	$ 17.22	$ 17.97	$ 29.19	$ 26.62	$ 21.64
$ 14.86	$ 15.51	$ 17.16	$ 16.81	$ 14.81	$ 16.41	$ 17.26	$ 18.01	$ 29.23	$ 26.66	$ 21.68

18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.695603	18.695603	18.695603
0.97	0.969999	0.97	0.97	0.969999	0.969999	0.969999	0.97	0.989999	0.99	0.989999
14.55	15.2	16.85	16.5	14.5	16.1	16.95	17.7	28.93	26.36	21.38
3.088624	3.100873	3.127452	3.117214	3.115298	3.162432	3.665525	4.095906	4.410663	4.398186	3.946946
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
0.033545	0.023437	0.024607	0.030744	0.030096	0.032393	0.026953	0.037311	0.033035	0.034005	0.026348
8524.125	8437.5	8954.1	8199.9	9078.3	8185.95	8407.125	9184.05	8528.625	7650.675	8938.125
21.745216	21.972656	21.946323	21.808244	21.822836	21.771143	21.836688	21.660495	21.756696	21.734872	21.960995
8820	8640	9180	8460	9360	8460	8640	9540	8820	7920	9180
22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.555282

3.12

2.18

2.54313	3.95598	6.875869	4.7095	3.20246	0.75352	1.60123	0.56514	7.911959	7.535199	6.12235
0.007231	0.010718	0.023899	0.01525	0.014261	0.001152	0.001643	0.000239	0.100649	0.083868	0.021504
0.006989	0.01039	0.023259	0.01468	0.013966	0.001117	0.001614	0.000235	0.097295	0.081306	0.020906
1164.08889	583.41174	6313.87466	2222.05601	881.588562		54.84988	40.377757	6224.2338	4682.2823	863.87052
6.512854	2.520107	23.530865	9.23427	3.830241		0.252022	0.15627	25.157949	19.986425	3.990134
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74

0.030688	0.030651	0.03348	0.029707	0.02798	0.032021	0.027005	0.023938	0.027295	0.030937	0.03397
1496.86748	2179.745	5184.40598	3015.58704	3174.01462	229.44684	338.70724	54.6302	20835.958	15635.163	4659.9561
4495.21331	6952.5774	16545.75	9734.26178	9578.66164	735.86089	1086.01434	232.325259	73173.123	54587.59	17135.362
0.807338	1.314594	2.297678	1.582223	1.05806	0.246834	0.540662	0.244939	2.971744	2.849507	2.267655
306.521912	144.77374	1574.69229	549.914754	231.237447		14.076732	7.904761	1461.9104	1123.1757	219.70285
22038.26	21589.34	22871.72	21160.14	23452.88	21109.68	21670.54	24003.3	22115.4	19784.38	22860.12
56.220051	56.222239	56.058137	56.276968	56.377115	56.142765	56.287116	56.611556	56.416836	56.205625	56.167371
22736	22272	23664	21808	24128	21808	22272	24592	22736	20416	23664
58	58	58	58	58	58	57.84935	58	58	58	58.142506
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
9.707582	15.482511	27.164232	18.574697	12.502601	2.952401	6.39045	2.743889	34.444872	32.920752	26.462608
9.707582	15.482511	27.164232	18.574697	12.502601	2.952401	6.39045	2.743889	34.444872	32.920752	26.462608
5663.60701	8656.4085	20648.2751	12091.7575	12058.6069	928.47649	1359.25924	274.549259	89944.154	67111.953	20893.077
6226.12657	10048.696	24637.8361	13961.1659	14280.4599	962.24139	1448.86904	288.314552	105411.14	81523.351	23730.4
562.519561	1392.2878	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.398	2837.3225
6226.12657	10048.696	24637.8361	13961.1659	14280.4599	962.24139	1448.86904	288.314552	105411.14	81523.351	23730.4
146.75	186.64	267.39	218.08	139.08	169.88	140.67	129.23	267.65	233.31	218.01
4499.51813	8072.9967	14334.4005	9869.70147	11177.0184	928.47649	1304.40936	234.171502	83719.92	62429.671	20029.207
4966.40829	9299.2053	17137.0973	11443.7833	13243.394	962.24139	1391.40076	247.053254	98038.443	75679.455	22762.949
13.282675	23.29805	30.971259	24.367501	18.578988	4.64	9.002074	3.393588	46.322974	43.862296	35.917239
126.377064	216.04961	383.237465	261.776439	312.429894	24.36	34.465496	4.960764	2056.9113	1540.7143	471.4145
35.858881	37.56125	37.771583	38.106201	36.543445		38.648159	48.288815	42.001084	42.029706	40.324871
6.766393	4.507334	24.907314	14.856247	7.308623		1.159444	0.965776	31.429483	23.096563	9.633085
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
0.405408	0.602656	1.349068	0.851489	0.810048	0.064787	0.093402	0.013679	5.643163	4.715795	1.215577
562.519561	1392.2878	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.398	2837.3225
562.519561	1392.2878	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.398	2837.3225
32.542935	15.370393	167.182534	58.38356	24.550105		1.494503	0.839235	155.20866	119.24575	23.325496
1164.08889	583.41174	6313.87466	2222.05601	881.588562		54.84988	40.377757	6224.2338	4682.2823	863.87052
2.09	3.08	5.53	3.67	3.44	0.42	0.58	0.09	24.91	16.77	6.58
-562.51956	-1392.288	-3989.5609	-1869.4084	-2221.853	-33.7649	-89.6098	-13.765292	-15466.988	-14411.398	-2837.3225
-5528.9278	-10691.49	-21126.658	-13313.192	-15465.247	-996.0063	-1481.0106	-260.81855	-113505.43	-90090.852	-25600.272
0.23	0.03	0.8	0.4	0.09		0.01	0.01	0.55	0.45	0.07
490.2062	867.2993	2475.6405	1325.6842	1174.4926	78.1616	128.4995	26.4554	9263.0047	6604.8708	1795.3147
0.03	0.05	0.25	0.07	0.07	0.04	0.03		0.86	0.49	0.21

11.4561	19.0935	95.4675	26.7309	26.7309	15.2748	11.4561		334.9786	190.8599	81.7971
5663.60701	8656.4085	20648.2751	12091.7575	12058.6069	928.47649	1359.25924	274.549259	89944.154	67111.953	20893.077
5663.60701	8656.4085	20648.2751	12091.7575	12058.6069	928.47649	1359.25924	274.549259	89944.154	67111.953	20893.077
4495.21331	6952.5774	16545.75	9734.26178	9578.66164	735.86089	1086.01434	232.325259	73173.123	54587.59	17135.362
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
11.4561	19.0935	95.4675	26.7309	26.7309	15.2748	11.4561		334.9786	190.8599	81.7971
5663.60701	8656.4085	20648.2751	12091.7575	12058.6069	928.47649	1359.25924	274.549259	89944.154	67111.953	20893.077
1156.9376	1684.7376	4007.0576	2330.7648	2453.2144	177.3408	261.7888	42.224	16436.052	12333.503	3675.9182

11.420911	11.397074	11.301002	11.344154	11.385415	11.449437	11.340637	11.308853	10.843652	10.92799	11.10734
0.41796	0.438622	0.469878	0.456573	0.444915	0.426857	0.456734	0.467941	0.735243	0.673341	0.55782
0.21493	0.422425	0.454524	0.441102	0.430816	0.4135	0.441249	0.454292	0.710941	0.647932	0.53782
188716.79	367928.7	548807.443	477092.677	402927.203	311981.65	385520.484	540982.352	477159.33	397642.94	384830.45
1110.84546	2027.9501	2455.89637	2249.3757	2314.38844	1786.8273	1935.97268	2287.37129	1999.9736	1740.1161	1915.8771
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
0.034515	0.037786	0.033161	0.034175	0.03262	0.031968	0.034687	0.029834	0.033903	0.040625	0.035735
106657.742	205005.1	232379.224	208603.796	226099.178	197361.08	213070.256	241514.715	333467.6	274756.16	269576.79
103447.797	198966.32	225961.036	202981.518	218555.45	192613.34	207976.906	235575.193	329991.99	272542.76	267473.43
2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.475999	2.476	2.476
152488.573	293095.79	332232.577	298240.847	323253.995	282167.13	304626.545	345293.588	495532.86	408287.66	400591.11
22349.85	41013.39	43786.17	40309.65	44669.73	40401.78	41145.48	45659.85	42036.81	37484.7	43669.62
57.014923	106.8057	107.319044	107.206515	107.379158	107.45154	106.871376	107.688325	107.23676	106.49063	107.29636
43512	42624	45288	41736	46176	41736	42624	47064	43512	39072	45288
111	111	111	111	111	111	110.711688	111	111	111	111.27273
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
30.029258	29.161338	28.865128	28.915483	29.089435	29.204167	28.992336	28.87424	28.530118	28.815995	29.220897
28.807404	28.748008	28.514276	28.617519	28.724819	28.865762	28.604919	28.528965	28.278282	28.48552	28.929501
279924.995	524190.06	593858.567	532149.566	576359.631	504462.96	545707.464	617722.24	876669.45	723865.51	709502.69
156222.535	314107.3	409184.537	350485.327	338322.876	304980.1	361729.887	428737.944	1033178.4	791603.36	619707.6
-123702.46	-210082.8	-184674.03	-181664.24	-238036.76	-199482.9	-183977.58	-188984.3	156508.99	67737.843	-89795.085
156222.535	314107.3	409184.537	350485.327	338322.876	304980.1	361729.887	428737.944	1033178.4	791603.36	619707.6
201.35	369.49	394.47	363.15	402.43	363.98	370.68	411.35	378.71	337.7	393.42
80312.4446	149341.08	38204.4645	49903.4884	166733.008	186959.8	153413.939	69819.6077	392601.83	319389.38	318064.32
59602.4914	113053.08	39976.2073	49516.1323	125157.741	140039.08	139757.879	71666.5422	527667.57	417153.41	351777.05

32.301038	33.561	26.239923	28.962779	33.182651	34.195326	39.897736	37.105834	56.429004	55.122847	52.617737
2852.43483	5288.7925	1394.29713	1813.82311	5951.18261	6540.2912	5480.31175	2541.50352	14203.08	11521.969	11302.181
19.596116	19.544599	16.975948	17.25101	18.937334	21.114851	19.266286	18.167928	23.586588	22.589095	21.724872
14.513471	14.905855	16.331712	16.248376	14.164137	15.55056	16.350414	17.670741	23.065278	21.775534	18.92592
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
23.85726	46.88926	50.452196	48.962388	47.820682	45.898526	48.851527	50.426514	78.914515	71.920494	59.844712
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6499.61117	12716.684	19190.1989	16596.0349	13942.2214	10717.555	13327.5262	18839.3385	16731.41	13794.045	13054.617
188716.79	367928.7	548807.443	477092.677	402927.203	311981.65	385520.484	540982.352	477159.33	397642.94	384830.45
51.78	90.53	37.27	45.24	98.47	142.45	108.24	62.38	189.5	151.53	168.15
123702.46	210082.76	184674.03	181664.239	238036.756	199482.86	183977.577	188984.296	-156508.99	-67737.843	89795.085
64099.9683	97029.677	144697.823	132148.106	112879.015	59443.772	44219.698	117317.754	-684176.57	-484891.26	-261981.96
104.46	205.8	329.56	293.53	219.39	166.94	229.03	335.07	141.32	143.72	183.87
0.466836										
31983.7737	64743.274	85390.1855	74845.1262	67419.3224	61709.428	71691.2677	94580.3156	87274.588	74022.201	76531.669
1.48	0.94	0.93	0.7	0.91	0.75	0.92	0.94	0.92	0.91	0.88
10895.76	6920.28	6846.66	5153.4	6699.42	5521.5	6773.04	6920.28	6908.28	6833.19	6607.92
335674.996	631346.22	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050973	867480.56	850410.48
335674.996	631346.22	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050973	867480.56	850410.48
255936.37	492062.11	558193.613	501222.365	541809.445	474780.47	512603.45	580868.781	825524.85	680830.42	668064.55
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
10895.76	6920.28	6846.66	5153.4	6699.42	5521.5	6773.04	6920.28	6908.28	6833.19	6607.92
335674.996	631346.22	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050973	867480.56	850410.48
13092.8644	25207.666	28818.2944	25773.8012	27850.7656	24160.984	26330.9732	29933.1788	44236.321	36201.9	34830.221
30.73	58.29	7.46	9.32	67.09	45.15	22.41	2.75	1.92	3.87	22.95

0.029362	0.034322	0.033725	0.030425	0.028581	0.028164	0.023671	0.027783	0.019285	0.032982	0.023602

1141.47	1112.46	1182.72	1093.68	1212.33	1096.23	1124.73	1236.66	1153.32	1021.17	1195.11
2.911913	2.897031	2.898823	2.908723	2.914254	2.915505	2.921376	2.91665	2.942142	2.901051	2.936388
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

12.046299	11.993596	11.834613	11.869709	12.065908	11.927806	11.803615	11.684142	11.391681	11.506097	11.707037
0.503256	0.521539	0.56248	0.554289	0.502771	0.542238	0.571293	0.5993	0.775285	0.728753	0.623612
0.292162	0.497906	0.538665	0.525637	0.390339	0.518106	0.54012	0.486621	0.741125	0.698146	0.593703
107063.374	182257.17	210021.513	189227.355	152771.483	183960.73	197563.859	194773.675	293883.03	247856.18	233786.62
626.093543	1003.1559	932.835985	887.109899	906.330173	1055.6419	989.924775	813.406739	1240.2011	1091.4012	1163.8146
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
0.047857	0.045989	0.043357	0.050372	0.045456	0.04468	0.053515	0.046509	0.043928	0.043494	0.049289
59058.9463	98382.53	111706.521	100682.919	83755.0597	99642.268	105051.569	103502.094	141088.96	120289.33	121153.55
57008.5858	95579.52	108783.477	98001.918	80927.5227	97246.659	102655.79	100866.943	139510.75	119322.29	120142.42
1.7993	1.7993	1.7993	1.7993	1.799299	1.7993	1.7993	1.7993	2.1015	2.1015	2.1015
48977.5842	81588.632	92638.2175	83496.3449	69458.071	82633.333	87119.2659	85834.2867	156820.38	133701.59	134662.17
9771.75	15752.62	16783.33	15311.87	13865.35	15445.6	15589.22	14800.17	16115.54	14477.67	16679.27
24.927933	41.022447	41.135612	40.723058	33.330168	41.078723	40.49148	34.906061	41.111071	41.129744	40.981007
16856	16512	17544	16168	17888	16168	16512	18232	16856	15136	17544
43	43	43	43	43	43	42.888311	43	43	43	43.105651
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
23.885562	23.105407	22.669076	22.839093	23.858956	22.888577	22.745646	22.853909	25.265649	25.521403	26.013119
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116439.534	189456.31	214209.123	193856.476	164677.821	191654.03	202988.823	202713.083	312554.71	266602.69	269097.05
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81461.2358	142975.36	184548.955	159716.942	114789.385	148814.12	170004.249	176834.026	400517.91	316150.26	256406.05
227.03	366.34	390.31	356.09	322.45	359.2	362.54	344.19	374.78	336.69	387.89
3404.26362	2392.4886		4.543362	3968.08556	3542.1086	327.004436	1.156435	14066.043	14995.139	30704.79
2777.56811	1398.5602		4.134688	2638.26736	3188.2828	337.672125	1.076988	19990.754	20941.374	37255.382
9.652202	8.492537		0.220099	9.982293	9.505865	2.79813	0.0585	12.913399	14.94351	19.51394
156.763333	103.78878		0.220099	177.689985	162.84459	15.104815	0.0585	584.6212	620.51072	1262.5389
15.205888	21.520245	16.597518	15.656648	21.654658	21.076588	19.115789	16.681588	23.853878	22.551012	22.571507
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4767.92667	8117.6512	9450.35	8498.2799	6804.70001	8213.9054	8903.36518	8872.0315	11907.789	9946.6293	9153.3911
107063.374	182257.17	210021.513	189227.355	152771.483	183960.73	197563.859	194773.675	293883.03	247856.18	233786.62
4.92	0.01			0.13	0.23	0.02		1.98	1.47	3.55
34978.2981	46480.947	29660.1677	34139.5335	49888.4355	42839.91	32984.5742	25879.0568	-87963.199	-49547.569	12690.999
32200.73	45082.387	29660.1677	34135.3988	47250.1681	39651.627	32646.9021	25877.9798	-107953.95	-70488.943	-24564.383
101.84	3.37	2.7	2.34	3.25	3.25	3.29	2.35	15.97	20.57	17.78
0.387755			0.002659	0.189903		0.002604	0.148584			
36298.6049	63519.5	83580.8777	72523.095	50860.8753	60109.727	69004.0426	77244.6049	85252.064	73583.298	74552.734
1.64	1.32	1.15	1.27	2.18	1.14	1.4	2.18	1.24	1.01	1.24
5971.896	4806.648	4187.61	4624.578	7938.252	4151.196	5097.96	7938.252	4605.6427	3751.3703	4605.6427
147309.645	240880.86	272598.121	246483.438	208456.59	243737.04	257899.278	256813.628	386301.91	329477.93	332424.01
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4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
5971.896	4806.648	4187.61	4624.578	7938.252	4151.196	5097.96	7938.252	4605.6427	3751.3703	4605.6427
147309.645	240880.86	272598.121	246483.438	208456.59	243737.04	257899.278	256813.628	386301.91	329477.93	332424.01
4481.4679	7481.5104	8599.8185	7733.635	6353.9749	7622.8425	8115.8077	8073.6019	11617.941	9827.4402	9686.8149
2.18	0.01			0.05						0.07
0.020535	0.042265	0.048161	0.028351	0.024543	0.027739	0.027031	0.024174	0.029642	0.033011	0.025661
1151.85	1103.31	1165.05	1096.02	1217.37	1096.71	1120.86	1241.25	1141.14	1021.14	1192.59
2.938392	2.873203	2.855514	2.914946	2.92637	2.916781	2.911324	2.927476	2.911071	2.900965	2.930196
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

1.121139	2.255511	5.780576	3.650712	2.953673	0.42	10.959117	9.731199	5.501745
0.001103	0.001989	0.007199	0.003152	0.004746	0.000064	0.027911	0.028848	0.003642
0.001015	0.001911	0.006911	0.003101	0.004629	0.000062	0.02702	0.02775	0.003549
94.840562	23.889426	466.560643	47.722822	14.357269		463.35273	417.00328	

0.532505	0.107611	1.701002	0.213274	0.06106				1.900037	1.718593	
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
0.024948	0.024257	0.031875	0.030824	0.032788	0.022686	0.032213	0.032912	0.031352	0.025482	0.031237
279.5	520.7	1999.8	821.9	1361.1		16.8		7464.8	6912	1018.4
794.014468	1683.8074	6386.86263	2614.15289	4023.2318		48.89333		22770.683	21482.51	3348.0384
0.240671	0.510242	1.286237	0.825619	0.648873		0.087309		2.546135	2.237376	1.25071
33.6	7.588303	145.208668	14.736115	4.797341				130.82139	122.17193	
19099	18707.7	19814.7	18291.9	20064.6	18361.5	18583.6	20500.6	19007.4	17141	19792.6
48.721938	48.717968	48.565441	48.64867	48.232211	48.833776	48.26909	48.350471	48.488265	48.696022	48.630466
19600	19200	20400	18800	20800	18800	19200	21200	19600	17600	20400
50	50	50	50	50	50	49.870129	50	50	50	50.12285
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
3.888294	9.469216	28.321223	14.995078	14.641609		1.222333		45.798364	46.620775	22.043214
3.43357	7.200753	18.228249	11.702251	9.301471		1.222333		36.261182	31.701522	17.815532
802.658468	1686.1994	6428.49263	2620.29489	4048.2128		48.89333		23040.815	21567.63	3370.6524
853.301524	1987.3541	7514.47508	2936.54714	4559.13714		52.18403		26158.613	25564.193	3731.902
50.643055	301.15477	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.5626	361.24959
853.301524	1987.3541	7514.47508	2936.54714	4559.13714		52.18403		26158.613	25564.193	3731.902
258.25	268.62	395.11	306.12	202.19	122.94	83.96	59.21	314.86	299.3	243.28
707.817906	1662.3099	5961.93199	2572.57207	4033.85553		48.89333		22577.462	21150.627	3370.6524
751.33765	1958.4756	6989.597	2886.21146	4544.34189		52.18403		25652.531	25026.924	3731.902
1.65	3.384943	8.774433	5.448661	4.69388		1.2		16.428074	15.00323	8
17.5	36.157978	130.642894	57.24742	95.957332		1.2		520.25562	479.67343	72.4
40.638393	44.074668	44.755757	45.104568	41.898572				44.779158	47.164799	
0.812767	0.440746	4.028018	1.804182	0.418985				5.82129	7.546367	
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
0.050765	0.095572	0.345588	0.155053	0.23149		0.003116		1.35102	1.3875	0.177886
50.643055	301.15477	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.5626	361.24959
50.643055	301.15477	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.5626	361.24959
2.4	0.542021	10.357105	1.052579	0.342667				9.344384	8.726566	
94.840562	23.889426	466.560643	47.722822	14.357269				463.35273	417.00328	
0.3	0.5	1.96	0.84	1.22		0.03		7.4	6.95	1.11
-50.643055	-301.1548	-1085.9824	-316.25225	-510.92435		-3.290699		-3117.7985	-3996.5626	-361.24959
-801.98071	-2259.63	-8075.5794	-3202.4637	-5055.2662		-55.474729		-28770.33	-29023.487	-4093.1516
0.02		0.02	0.01					0.1	0.01	

93.9643	235.6471	1083.9315	380.7935	548.6188		6.1061		3511.8229	3268.2025	402.5856
0.02		0.06	0.01	0.04				0.52	0.12	0.04
8.332		32.686	4.166	20.509				252.324	58.832	20.918
802.658468	1686.1994	6428.49263	2620.29489	4048.2128		48.89333		23040.815	21567.63	3370.6524
802.658468	1686.1994	6428.49263	2620.29489	4048.2128		48.89333		23040.815	21567.63	3370.6524
794.014468	1683.8074	6386.86263	2614.15289	4023.2318		48.89333		22770.683	21482.51	3348.0384
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
8.332		32.686	4.166	20.509				252.324	58.832	20.918
802.658468	1686.1994	6428.49263	2620.29489	4048.2128		48.89333		23040.815	21567.63	3370.6524
0.312	2.392	8.944	1.976	4.472				17.808	26.288	1.696

0.029362	0.034843	0.03522	0.038085	0.024471	0.027792	0.026354	0.032122	0.03079	0.039119	0.028529

1521.96	1482.48	1574.52	1446.72	1623.28	1462.2	1495.52	1641.52	1519.72	1352.92	1585.44
3.882551	3.860625	3.859117	3.847659	3.902115	3.888829	3.884467	3.871509	3.876836	3.843522	3.895429
1568	1536	1632	1504	1664	1504	1536	1696	1568	1408	1632
4	4	4	4	4	4	3.98961	4	4	4	4.009828

10.819721	10.776439	10.625278	10.679926	10.798298	10.762547	10.638053	10.5825	10.234215	10.313534	10.410828
0.300058	0.316071	0.35911	0.343956	0.319636	0.319837	0.361396	0.378342	0.679048	0.63164	0.502724
0.212967	0.299767	0.34103	0.323587	0.302707	0.302289	0.341514	0.358828	0.646149	0.599842	0.47577
106128.642	152209.83	196516.008	171784.604	164059.517	137203.14	172708.772	213806.75	349735.89	292219.86	269373.18
619.570324	820.85063	857.590844	793.955507	931.569951	778.92022	860.025837	894.778326	1478.3821	1288.8462	1337.7571
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
0.069387	0.055625	0.051911	0.062207	0.055096	0.057553	0.055182	0.053797	0.048877	0.052869	0.053308
52520.487	72326.885	86379.7049	75789.4861	78994.067	71283.605	81443.2125	94020.3001	150305.33	125846.25	117373.9
50856.2344	70407.354	84196.643	73879.9604	76423.2591	70284.464	79937.748	92215.7713	148928.73	124536.27	116713.34
2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2803	2.2803	2.2803
66254.5944	91240.365	108967.998	95608.4367	99651.0156	89924.268	102740.613	118606.609	193938.97	162379.42	151447.55

16249.194	21250.704	22667.652	20662.946	23034.488	20765.496	21260.666	23509.734	21848.424	19536.654	22634.25
41.452025	55.340374	55.55797	54.954643	55.371365	55.227382	55.222509	55.447485	55.735775	55.501857	55.612407
22971.2	22502.4	23908.8	22033.6	24377.6	22033.6	22502.4	24846.4	22971.2	20627.2	23908.8
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.74398
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
32.645267	29.133998	27.335526	28.048017	28.754681	28.510373	27.149956	27.764382	25.611573	26.650986	26.892471
24.607884	24.506586	24.164839	24.28574	24.560888	24.46019	24.185533	24.062481	23.806019	23.984959	24.211117
153719.538	189858.66	220701.85	196224.277	205072.313	186893.93	206696.267	243335.254	373432.15	315308.43	298274.93
92712.6142	134025.75	181327.217	152038.569	143577.415	131938.75	164250.125	195647.544	504464.92	395791.17	305652.02
-61006.924	-55832.91	-39374.633	-44185.708	-61494.898	-54955.18	-42446.142	-47687.709	131032.76	80482.745	7377.0872
92712.6142	134025.75	181327.217	152038.569	143577.415	131938.75	164250.125	195647.544	504464.92	395791.17	305652.02
277.29	362.64	386.82	352.61	393.08	354.36	362.81	401.19	372.84	333.39	386.25
13232.5617	12540.816	399.30268	983.501495	15409.2292	26069.434	13504.6415	1116.80356	107.94054	511.17613	4134.0096
12595.0946	11474.317	415.827456	1063.13748	13769.9593	26202.653	15184.866	1246.15951	129.88652	643.7221	5049.1629
14.692432	13.992558	3.947341	7.431325	14.270713	18.420563	18.450249	7.709361	1.764328	3.959556	10.590715
562.47515	522.13245	16.49797	42.096764	647.996529	1097.6918	577.956744	47.735257	4.548928	21.465774	175.49787
16.352512	20.458401	17.022316	17.325249	20.532342	21.689037	20.861258	18.621123	26.014336	23.802028	23.076023
14.54154	16.030684	14.124953	15.713804	15.29357	18.159851	19.894368	17.246749	17.562944	17.197001	21.237259
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
12.479897	17.56639	19.984387	18.962239	17.738668	17.714186	19.960774	21.027349	37.864367	35.150789	27.948658
-88459.383	-93638.18	-84525.305	-83800.872	-102785.1	-92215.12	-85016.509	-96832.12	52468.169	14702.909	-53974.253
-88459.383	-93638.18	-84525.305	-83800.872	-102785.1	-92215.12	-85016.509	-96832.12	52468.169	14702.909	-53974.253
4329.64485	6223.3616	8137.13203	7087.70524	6731.28947	5562.8422	7106.94126	8867.86074	14838.283	12351.612	11199.606
106128.642	152209.83	196516.008	171784.604	164059.517	137203.14	172708.772	213806.75	349735.89	292219.86	269373.18
12	0.97	0.02	0.12	1.51	2.07	1.6	0.34	0.01	0.03	0.18
61006.9242	55832.913	39374.6332	44185.708	61494.8978	54955.179	42446.142	47687.7093	-131032.76	-80482.745	-7377.0872
48411.8296	44358.596	38958.8057	43122.5705	47724.9385	28752.526	27261.2759	46441.5498	-131162.65	-81126.467	-12426.25
65.21	19.98	21.02	19.56	17.55	14.61	18.54	20.49	2.84	1.75	2.54
0.242346										
40903.2043	59625.878	77786.1536	67285.9337	61011.2013	55515.702	65474.7566	84867.9682	79954.302	68853.791	69765.521
2.08	1.52	1.44	1.42	1.55	1.43	1.24	1.72	1.4	1.34	1.47
34358.3344	25108.014	23786.5392	23456.1706	25603.5665	23621.355	20482.8532	28411.6996	23588.32	22577.392	24767.736
181171.997	227663.92	265852.521	235839.441	246362.512	224153.87	249266.634	292479.664	451996.75	381088.26	359626.27
181171.997	227663.92	265852.521	235839.441	246362.512	224153.87	249266.634	292479.664	451996.75	381088.26	359626.27
117110.829	161647.72	193164.641	169488.397	176074.275	160208.73	182678.361	210822.38	342867.7	286915.69	268160.89

4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
34358.3344	25108.014	23786.5392	23456.1706	25603.5665	23621.355	20482.8532	28411.6996	23588.32	22577.392	24767.736
181171.997	227663.92	265852.521	235839.441	246362.512	224153.87	249266.634	292479.664	451996.75	381088.26	359626.27
2250.3752	3102.9272	3750.6698	3279.70892	3394.47156	3063.8456	3535.05308	4101.17416	6976.131	5815.3467	5346.2989
4.72	0.88			1.07	0.62	0.02				
0.75	1.65	4.5	2.7	2.4				7.2	7.8	3.3
0.000584	0.001566	0.0055	0.00224	0.003898				0.018055	0.021381	0.002194
0.000535	0.001536	0.005392	0.002101	0.00375				0.017755	0.020625	0.002107
23.651171		72.770588						8.768184	21.956055	
0.133705		0.25827						0.033062	0.089806	
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
0.032168	0.030677	0.022426	0.03109	0.032307	0.037632	0.02888	0.026367	0.025357	0.03534	0.03223
44.1	123.9	462	165.9	327.6				1461.6	1524.6	180.6
123.083651	398.27896	1479.13449	532.924157	959.133938				4220.1915	4663.2476	580.56789
0.14818	0.351881	0.939189	0.579092	0.49237				1.479735	1.68146	0.696588
8.4		22.609379						2.1	6.699236	
5311.46	5211.08	5583.9	5100.34	5635.84	5065.9	5220.74	5779.48	5348.84	4753.84	5527.9
13.549642	13.57052	13.686029	13.564734	13.547692	13.473138	13.560363	13.630849	13.645	13.505227	13.582063
5488	5376	5712	5264	5824	5264	5376	5936	5488	4928	5712
14	14	14	14	14	14	13.963636	14	14	14	14.034398
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
2.222707	5.278229	14.375346	8.769714	8.88556				23.004878	25.85789	10.823822
2.222707	5.278229	14.375346	8.769714	8.88556				23.004878	25.85789	10.823822
123.083651	398.27896	1500.13449	543.424157	980.133938				4430.1915	4768.2476	591.06789
131.695252	457.64631	1714.13989	598.037885	1070.36838				4871.0964	5535.0018	640.07225
8.6116	59.367352	214.005394	54.613728	90.234438				440.90491	766.75426	49.004366
131.695252	457.64631	1714.13989	598.037885	1070.36838				4871.0964	5535.0018	640.07225
149.37	162.49	222.55	168.51	107.9	66.46	47.21	39.63	159.42	149.56	121.08
99.43248	398.27896	1427.3639	543.424157	980.133938				4421.4233	4746.2915	591.06789
107.168246	457.64631	1635.50323	598.037885	1070.36838				4862.2659	5503.2145	640.07225
0.7	1.54	4.019534	2.52	2.24				6.72	7.270918	3.08
2.38	8.26	29.292708	11.06	21.84				97.3	101.19338	12.04
44.068224		49.979556						63.336947	51.484664	
0.440682		2.998773						0.633369	1.544539	

2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
0.0075	0.02151	0.07549	0.029414	0.0525				0.248571	0.28875	0.029582
8.6116	59.367352	214.005394	54.613728	90.234438				440.90491	766.75426	49.004366
8.6116	59.367352	214.005394	54.613728	90.234438				440.90491	766.75426	49.004366
0.56		1.507291						0.14	0.446615	
23.651171		72.770588						8.768184	21.956055	
0.13	0.4	1.34	0.6	1.13				5.09	4.86	0.71
-8.6116	-59.36735	-214.00539	-54.613728	-90.234438				-440.90491	-766.75426	-49.004366
-115.77985	-517.0137	-1849.5086	-652.65161	-1160.6028				-5303.1708	-6269.9688	-689.07662
0.04		0.06						0.01	0.01	
38.3247	128.8311	573.0886	186.2648	313.2553				1681.9216	1683.4726	180.2451
		0.02	0.01	0.02				0.2	0.1	0.01
		21	10.5	21				210	105	10.5
123.083651	398.27896	1500.13449	543.424157	980.133938				4430.1915	4768.2476	591.06789
123.083651	398.27896	1500.13449	543.424157	980.133938				4430.1915	4768.2476	591.06789
123.083651	398.27896	1479.13449	532.924157	959.133938				4220.1915	4663.2476	580.56789
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
		21	10.5	21				210	105	10.5
123.083651	398.27896	1500.13449	543.424157	980.133938				4430.1915	4768.2476	591.06789

11.411005	11.409336	11.278099	11.325382	11.386549	11.428281	11.302027	11.228348	10.802976	10.901615	11.063927
0.180635	0.245013	0.269473	0.259487	0.2411	0.242926	0.261267	0.265477	0.440328	0.406329	0.324496
0.134469	0.235863	0.259791	0.249422	0.227289	0.234148	0.251466	0.251681	0.424652	0.390857	0.311977
403191.387	703003	962198.169	840374.415	720654.149	633145.52	755847.965	949603.155	1127474.6	942840.23	888854.12
2363.6884	3854.5843	4271.81334	3939.88865	4156.17987	3621.3894	3786.17532	3995.71263	4745.6478	4142.1583	4421.4389
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
0.034301	0.034919	0.035436	0.036073	0.033339	0.03321	0.033428	0.033424	0.032256	0.035759	0.033741
220057.642	378538.86	438111.656	389079.588	393711.02	368516.4	399920.544	439091.74	654624.25	544963.51	513963.2
216724.929	373987.86	443352.903	387744.735	390467.26	360880.33	391705.351	428890.232	718595.47	597134.67	525393.17
2.202277	2.216516	2.225421	2.218446	2.244757	2.205237	2.208511	2.222168	2.3867	2.383402	2.354074
267720.752	465924.78	533838.792	477345.628	492363.082	454724.73	494486.423	549734.483	846292.2	704368.67	686700.83
348.521912	152.36204	1742.51034	564.650869	236.034789		14.076732	7.904761	1594.8318	1252.0468	219.70285
107158.919	135660.58	144383.862	132673.166	143854.168	132991.05	135618.481	147556.614	138815.22	124224.15	144075.03
273.364589	353.28277	353.882014	352.854164	345.803288	353.69959	352.255794	348.010882	354.12046	352.90951	353.99269

143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8
367.099999	367.1	367.099999	367.099999	367.099999	367.1	366.146493	367.099999	367.1	367.1	368.00197
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
102.378673	111.6307	148.730533	122.142085	117.732845	83.55552	86.500723	82.236421	182.65546	186.3878	141.45613
26.212093	26.411519	26.249067	26.248846	26.712232	26.273744	26.029525	26.017102	27.064578	27.229947	27.185728
556673.416	914245.91	1057346.44	937485.795	963196.718	883939.39	956800.707	1064045.13	1680071.5	1399224.5	1301729.5
337607.508	603602.1	808927.16	679736.589	616599.641	586695.22	697485.314	801507.829	2074602.1	1616167.3	1209868
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337607.508	603602.1	808927.16	679736.589	616599.641	586695.22	697485.314	801507.829	2074602.1	1616167.3	1209868
1260.04	1716.22	2056.65	1764.56	1570.25	1436.82	1367.87	1384.8	1868.26	1692.13	1749.93
102256.038	174407.97	60327.4635	63877.231	202301.331	217499.82	168598.888	71171.7392	517494.62	423222.28	376894.05
80800.0683	137641.29	66154.2323	65511.4371	160424.072	170392.26	156724.002	73160.8319	676341.46	544948.1	421216.52
10.561192	12.522004	11.818132	10.628432	12.520344	16.690438	14.269638	12.066821	22.429407	22.166513	19.674233
3717.93038	6175.1813	1953.96817	2186.22383	7207.09635	7825.1877	6109.03881	2594.25805	17466.717	14285.527	13296.073
18.024066	21.084764	22.260757	19.842036	21.183669	21.28524	19.942419	18.372857	27.767929	25.846085	23.251253
15.57326	15.443842	21.959704	19.336585	15.186043	16.919009	18.25349	18.107696	27.536936	25.497822	21.80598
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
49.363816	86.58539	95.369352	91.562978	83.43798	85.95609	92.073677	92.392283	155.89003	143.48361	114.80838
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15632.6856	27073.609	36956.7278	32241.4562	27503.1036	24494.302	29339.3272	36580.07	43642.175	36220.705	33430.939
403191.387	703003	962198.169	840374.415	720654.149	633145.52	755847.965	949603.155	1127474.6	942840.23	888854.12
71.22	95.49	46.12	50.47	105.9	145.17	110.47	62.81	228.89	181.61	180.28
219065.908	310643.81	248419.282	257749.206	346597.077	297244.18	259315.393	262537.297	-394530.65	-216942.87	91861.42
138265.839	173002.52	182265.05	192237.769	186173.005	126851.92	102591.391	189376.465	-1070872.1	-761890.98	-329355.1
271.8	229.18	354.16	315.84	240.28	184.8	250.87	357.92	160.79	166.51	204.26
0.099721			0.000241	0.017263		0.000236	0.013507			
109808.078	189120.43	250889.877	216546.897	181327.766	177413.02	206304.673	256719.344	266937.7	228015.84	223228.07
5.25	3.83	3.85	3.48	4.77	3.36	3.59	4.84	5.14	3.97	3.85
51245.7785	36854.035	34969.9627	33275.5455	40309.4784	33309.326	32365.3093	43270.2316	35899.545	33516.644	36094.514
670745.987	1110631.9	1282350.73	1138765.13	1166447.73	1076443	1165653.35	1293529.82	2006686.8	1671494.6	1567315.6
670745.987	1110631.9	1282350.73	1138765.13	1166447.73	1076443	1165653.35	1293529.82	2006686.8	1671494.6	1567315.6
484445.68	839912.64	977191.695	865090.363	882830.341	815605.06	886191.774	978624.716	1564887.7	1301503.3	1212094
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
51245.7785	36854.035	34969.9627	33275.5455	40309.4784	33309.326	32365.3093	43270.2316	35899.545	33516.644	36094.514

670745.987	1110631.9	1282350.73	1138765.13	1166447.73	1076443	1165653.35	1293529.82	2006686.8	1671494.6	1567315.6
20981.9571	37479.234	45184.7843	39119.8859	40056.8985	35025.013	38243.6228	42150.1789	79284.253	64204.478	53540.949
37.63	59.18	7.46	9.32	68.21	45.77	22.43	2.75	1.92	3.87	23.02
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
187600.792	139369.83	391417.039	311542.816	133430.752	87383.967	171688.424	387223.626	157986.22	155544.33	142068.78
1089.26364	716.90329	1718.90134	1435.22244	727.521288	487.02858	849.013139	1624.05931	662.52476	674.64199	697.54237
-66610.613	-69404.78	-90815.352	-79606.195	-71730.997	-65390.83	-76385.908	-100132.93	-92711.942	-79883.674	-81547.903
66610.6127	69404.776	90815.3515	79606.1945	71730.9971	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
187600.792	139369.83	391417.039	311542.816	133430.752	87383.967	171688.424	387223.626	157986.22	155544.33	142068.78
280.52	226.25	352.82	314.53	238.4	181.28	248.73	356.88	159.62	165.12	202.23
128.292182	131.72235	176.165972	164.672505	133.443906	99.68423	127.247443	164.874833	139.39671	141.38798	117.66206
48.391459	41.41052	71.533193	64.819647	41.854119	31.967901	45.522411	67.343004	52.537888	54.309453	42.161714
13769.7194	9662.7244	25530.3182	20673.8041	10291.257	5975.0969	11536.6832	24299.3302	9191.8023	9630.456	8875.6467
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996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
1183637.89	1252562.1	2000560.84	1680150.54	1219294.2	1165434.5	1498786.1	2208167.37	2881411.3	2291375.6	1925334.7
66610.6127	69404.776	90815.3515	79606.1945	71730.9971	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
187600.792	139369.83	391417.039	311542.816	133430.752	87383.967	171688.424	387223.626	157986.22	155544.33	142068.78
1089.26364	716.90329	1718.90134	1435.22244	727.521288	487.02858	849.013139	1624.05931	662.52476	674.64199	697.54237
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66610.6127	69404.776	90815.3515	79606.1945	71730.9971	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
187600.792	139369.83	391417.039	311542.816	133430.752	87383.967	171688.424	387223.626	157986.22	155544.33	142068.78
280.52	226.25	352.82	314.53	238.4	181.28	248.73	356.88	159.62	165.12	202.23
128.292182	131.72235	176.165972	164.672505	133.443906	99.68423	127.247443	164.874833	139.39671	141.38798	117.66206

48.391459	41.41052	71.533193	64.819647	41.854119	31.967901	45.522411	67.343004	52.537888	54.309453	42.161714
13769.7194	9662.7244	25530.3182	20673.8041	10291.257	5975.0969	11536.6832	24299.3302	9191.8023	9630.456	8875.6467
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996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
1183637.89	1252562.1	2000560.84	1680150.54	1219294.2	1165434.5	1498786.1	2208167.37	2881411.3	2291375.6	1925334.7
66610.6127	69404.776	90815.3515	79606.1945	71730.9971	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9

4361.04021	3778.0562	3138.14732	3169.4764	4149.90582	4496.912	4428.51605	4755.1753	4992.8949	4117.5015	4289.2333
64094.4665	58581.858	50610.2542	50690.4627	59846.0241	73555.416	76116.8905	83936.6389	145704.79	109314.33	93002.188
76.260053	103.80619			229.563245	31.503846					
1.738721	2.888442			3.541967	0.894372					
6.11012	9.891217			19.399642	2.498594					
14.15761	11.911494	14.922037	16.891589	12.397571	16.903649	18.46684	16.705901	31.884164	14.554803	20.027396
10.193479	0.357344	0.596881	1.182411	1.239757	0.845182	0.923342	1.169413	1.913049	0.145548	1.001369
4361.04021	3778.0562	3138.14732	3169.4764	4149.90582	4496.912	4428.51605	4755.1753	4992.8949	4117.5015	4289.2333
11.125102	9.838688	7.691537	8.429458	9.975735	11.959872	11.502639	11.215036	12.736976	11.697447	10.538656
64094.4665	58581.858	50610.2542	50690.4627	59846.0241	73555.416	76116.8905	83936.6389	145704.79	109314.33	93002.188
64094.4665	58581.858	50610.2542	50690.4627	59846.0241	73555.416	76116.8905	83936.6389	145704.79	109314.33	93002.188
4354.93009	3768.165	3138.14732	3169.4764	4130.50618	4494.4134	4428.51605	4755.1753	4992.8949	4117.5015	4289.2333
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11.33	0.15	0.22	0.37	1.61	0.26	0.23	0.51	0.4	0.01	0.44
66610.6127	69404.776	86062.5164	79606.1945	71730.9971	65390.828	74850.9994	97719.8727	92711.942	79883.674	81547.903
4361.04021	3778.0562	3138.14732	3169.4764	4149.90582	4496.912	4428.51605	4755.1753	4992.8949	4117.5015	4289.2333
4361.04021	3778.0562	3138.14732	3169.4764	4149.90582	4496.912	4428.51605	4755.1753	4992.8949	4117.5015	4289.2333
64094.4665	58581.858	50610.2542	50690.4627	59846.0241	73555.416	76116.8905	83936.6389	145704.79	109314.33	93002.188
64094.4665	58581.858	50610.2542	50690.4627	59846.0241	73555.416	76116.8905	83936.6389	145704.79	109314.33	93002.188
0.01										
232881.842	185554.65	156276.078	141703.445	196921.739	199134.83	209415.474	235011.948	240602.08	221653.41	254252.02
1376.85135	1052.0823	713.546019	678.9337	1164.53218	1153.8608	1058.81785	1001.54629	1022.2169	981.66897	1281.2649
8252.36861	6575.2888	5537.77738	5021.38361	6978.09137	7056.5144	7420.81763	8347.23613	8578.9875	7453.0401	8549.1602
121406.43	100785.99	93186.051	83293.4135	101740.279	114838.93	126948.138	149179.967	248854.85	197562.85	184128.58
8252.36861	6575.2888	5537.77738	5021.38361	6978.09137	7056.5144	7420.81763	8347.23613	8578.9875	7453.0401	8549.1602
21.05196	17.123147	13.572983	13.354743	16.774258	18.767325	19.27485	19.686877	21.885172	21.173409	21.005307
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8252.36861	6575.2888	5537.77738	5021.38361	6978.09137	7056.5144	7420.81763	8327.26304	8104.2684	7453.0401	8549.1602
232881.842	185554.65	156276.078	141703.445	196921.739	199134.83	209415.474	235011.948	240602.08	221653.41	254252.02
111475.412	84768.66	63090.0268	58410.0319	95181.4593	84295.907	82467.3359	86409.3955	5562.6709	24090.558	70123.44
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66610.6127	69404.776	90815.3515	79606.1945	71730.9971	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
232881.842	185554.65	156276.078	141703.445	196921.739	199134.83	209415.474	235589.363	254417.52	221653.41	254252.02
232881.842	185554.65	156276.078	141703.445	196921.739	199134.83	209415.474	235589.363	254417.52	221653.41	254252.02
8252.36861	6575.2888	5537.77738	5021.38361	6978.09137	7056.5144	7420.81763	8347.23613	8578.9875	7453.0401	8549.1602
232881.842	185554.65	156276.078	141703.445	196921.739	199134.83	209415.474	235589.363	254417.52	221653.41	254252.02
232881.842	185554.65	156276.078	141703.445	196921.739	199134.83	209415.474	235589.363	254417.52	221653.41	254252.02
8252.36861	6575.2888	5537.77738	5021.38361	6978.09137	7056.5144	7420.81763	8347.23613	8578.9875	7453.0401	8549.1602
121406.43	100785.99	93186.051	83293.4135	101740.279	114838.93	126948.138	149179.967	248854.85	197562.85	184128.58
-111475.41	-84768.66	-63090.027	-58410.032	-95181.459	-84295.91	-82467.336	-86409.396	-5562.6709	-24090.558	-70123.44
232881.842	185554.65	156276.078	141703.445	196921.739	199134.83	209415.474	235589.363	254417.52	221653.41	254252.02
240642.126	192047.01	161334.65	146311.213	203642.17	206052.04	216474.017	242968.18	246260.77	226755.08	260144.48
1422.70588	1089.0203	736.574662	700.975781	1204.33133	1194.0818	1094.52596	1035.51033	1046.2648	1004.2472	1310.999
9269.7275	7397.8046	6214.73997	5636.02514	7844.45954	7937.2898	8338.75258	9381.43903	9640.412	8373.5259	9606.5169
136383.204	113322.91	104647.544	93511.3994	114332.425	129127.18	142640.96	167641.376	279636.53	221969.05	206884.26

		8.690136					12.111901			
		0.086901					0.121119			
9269.7275	7397.8046	6214.73997	5636.02514	7844.45954	7937.2898	8338.75258	9381.43903	9640.412	8373.5259	9606.5169
23.647264	19.265116	15.232205	14.989428	18.856873	21.109813	21.659097	22.126035	24.592887	23.788425	23.603235
-104258.92	-78724.1	-56687.106	-52799.813	-89309.745	-76924.86	-73833.057	-75925.966	19171.636	-4786.0346	-53260.213
-104258.92	-78724.1	-56687.106	-52799.813	-89309.745	-76924.86	-73833.057	-75925.966	19171.636	-4786.0346	-53260.213
9269.7275	7397.8046	6214.73997	5636.02514	7844.45954	7937.2898	8338.75258	9358.95266	9106.9657	8373.5259	9606.5169
240642.126	192047.01	161334.65	146311.213	203642.17	206052.04	216474.017	242968.18	246260.77	226755.08	260144.48
104258.922	78724.099	56687.1059	52799.8132	89309.7447	76924.859	73833.0575	75925.9662	-19171.636	4786.0346	53260.213
104258.922	78724.099	56687.1059	52799.8132	89309.7447	76924.859	73833.0575	75925.9662	-19171.636	4786.0346	53260.213
		0.03					0.01			
66610.6127	69404.776	90815.3515	79606.1945	71730.9971	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
240642.126	192047.01	161334.65	146311.213	203642.17	206052.04	216474.017	243567.342	260464.9	226755.08	260144.48
240642.126	192047.01	161334.65	146311.213	203642.17	206052.04	216474.017	243567.342	260464.9	226755.08	260144.48
9269.7275	7397.8046	6214.73997	5636.02514	7844.45954	7937.2898	8338.75258	9381.43903	9640.412	8373.5259	9606.5169
240642.126	192047.01	161334.65	146311.213	203642.17	206052.04	216474.017	243567.342	260464.9	226755.08	260144.48
240642.126	192047.01	161334.65	146311.213	203642.17	206052.04	216474.017	243567.342	260464.9	226755.08	260144.48
9269.7275	7397.8046	6214.73997	5636.02514	7844.45954	7937.2898	8338.75258	9381.43903	9640.412	8373.5259	9606.5169
136383.204	113322.91	104647.544	93511.3994	114332.425	129127.18	142640.96	167641.376	279636.53	221969.05	206884.26
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240642.126	192047.01	161334.65	146311.213	203642.17	206052.04	216474.017	243567.342	260464.9	226755.08	260144.48
4263.39234	3872.9436	3134.43888	3266.91746	4130.94972	4390.8043	4298.38969	4663.97546	4947.3351	4011.3724	4169.7363
62725.8193	59871.046	50586.6397	51999.3026	59284.2643	71744.607	74005.3739	82106.0357	144162.43	106432.25	90412.017
	0.217227			7.333894						
	0.016386			0.285075						
	0.016386			0.58566						
		13.098647								
		0.130986								
4263.39234	3872.9436	3134.43888	3266.91746	4130.94972	4390.8043	4298.38969	4663.97546	4947.3351	4011.3724	4169.7363
10.876	10.08579	7.682448	8.68861	9.930167	11.677671	11.164648	10.999942	12.620752	11.395944	10.245052
62725.8193	59871.046	50586.6397	51999.3026	59284.2643	71744.607	74005.3739	82106.0357	144162.43	106432.25	90412.017
62725.8193	59871.046	50586.6397	51999.3026	59284.2643	71744.607	74005.3739	82106.0357	144162.43	106432.25	90412.017
4263.39234	3872.9272	3134.43888	3266.91746	4130.36406	4390.8043	4298.38969	4663.97546	4947.3351	4011.3724	4169.7363
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66610.6127	67477.946	86303.3664	79606.1945	71730.9971	65390.828	76385.9083	97648.2741	92711.942	79883.674	81547.903
4263.39234	3872.9436	3134.43888	3266.91746	4130.94972	4390.8043	4298.38969	4663.97546	4947.3351	4011.3724	4169.7363
4263.39234	3872.9436	3134.43888	3266.91746	4130.94972	4390.8043	4298.38969	4663.97546	4947.3351	4011.3724	4169.7363
62725.8193	59871.046	50586.6397	51999.3026	59284.2643	71744.607	74005.3739	82106.0357	144162.43	106432.25	90412.017
62725.8193	59871.046	50586.6397	51999.3026	59284.2643	71744.607	74005.3739	82106.0357	144162.43	106432.25	90412.017
4185.28425	3549.7956	2934.24923	2817.09111	3913.70559	4317.0349	4315.69012	4379.59255	4679.1346	3880.2422	4272.5857
62122.3465	55695.189	48159.5468	45714.6464	57091.7661	70883.02	74222.0496	78073.1319	137343.88	103474.57	92478.768
4185.28425	3549.7956	2934.24923	2817.09111	3913.70559	4317.0349	4315.69012	4379.59255	4679.1346	3880.2422	4272.5857
10.676745	9.244259	7.191787	7.492263	9.407946	11.481475	11.209584	10.329227	11.936567	11.023415	10.497753
62122.3465	55695.189	48159.5468	45714.6464	57091.7661	70883.02	74222.0496	78073.1319	137343.88	103474.57	92478.768
62122.3465	55695.189	48159.5468	45714.6464	57091.7661	70883.02	74222.0496	78073.1319	137343.88	103474.57	92478.768
4185.28425	3549.7956	2934.24923	2817.09111	3913.70559	4317.0349	4315.69012	4379.59255	4679.1346	3880.2422	4272.5857
-62122.346	-55695.19	-48159.547	-45714.646	-57091.766	-70883.02	-74222.05	-78073.132	-137343.88	-103474.57	-92478.768
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66610.6127	65964.512	84805.8116	79606.1945	71730.9971	65390.828	74675.1907	96964.314	92711.942	79883.674	81547.903
4185.28425	3549.7956	2934.24923	2817.09111	3913.70559	4317.0349	4315.69012	4379.59255	4679.1346	3880.2422	4272.5857
4185.28425	3549.7956	2934.24923	2817.09111	3913.70559	4317.0349	4315.69012	4379.59255	4679.1346	3880.2422	4272.5857
62122.3465	55695.189	48159.5468	45714.6464	57091.7661	70883.02	74222.0496	78073.1319	137343.88	103474.57	92478.768
62122.3465	55695.189	48159.5468	45714.6464	57091.7661	70883.02	74222.0496	78073.1319	137343.88	103474.57	92478.768
166351.591	198700.6	213536.203	190060.912	163997.892	126942.81	144051.894	192047.983	186584.78	174848.03	205160.63
983.432455	1123.4118	973.591828	911.479434	970.218974	738.78826	728.958899	816.443342	790.78329	775.59995	1032.1432
3247.15188	3878.5984	4168.18666	3709.95339	3201.20813	2477.8999	2811.86598	3748.74064	3642.0999	3413.0008	4004.6971
46857.9654	58655.388	68752.1134	60901.208	45296.5085	39056.742	47080.6004	66641.6299	105587.08	89180.021	85334.118
3247.15188	3878.5984	4168.18666	3709.95339	3201.20813	2477.8999	2811.86598	3748.74064	3642.0999	3413.0008	4004.6971
8.28355	10.100516	10.216143	9.866897	7.695211	6.590159	7.303548	8.841369	9.291071	9.696024	9.83955

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3247.15188	3878.5984	4168.18666	3709.95339	3201.20813	2477.8999	2811.86598	3748.74064	3642.0999	3413.0008	4004.6971
166351.591	198700.6	213536.203	190060.912	163997.892	126942.81	144051.894	192047.983	186584.78	174848.03	205160.63
119493.626	140045.21	144784.089	129159.704	118701.384	87886.069	96971.294	125406.353	80997.7	85668.009	119826.51
119493.626	140045.21	144784.089	129159.704	118701.384	87886.069	96971.294	125406.353	80997.7	85668.009	119826.51
66610.6127	69404.776	90815.3515	77752.873	68997.7259	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
166351.591	198700.6	213536.203	190060.912	163997.892	126942.81	144051.894	192047.983	186584.78	174848.03	205160.63
166351.591	198700.6	213536.203	190060.912	163997.892	126942.81	144051.894	192047.983	186584.78	174848.03	205160.63
3247.15188	3878.5984	4168.18666	3709.95339	3201.20813	2477.8999	2811.86598	3748.74064	3642.0999	3413.0008	4004.6971
166351.591	198700.6	213536.203	190060.912	163997.892	126942.81	144051.894	192047.983	186584.78	174848.03	205160.63
166351.591	198700.6	213536.203	190060.912	163997.892	126942.81	144051.894	192047.983	186584.78	174848.03	205160.63
3247.15188	3878.5984	4168.18666	3709.95339	3201.20813	2477.8999	2811.86598	3748.74064	3642.0999	3413.0008	4004.6971
46857.9654	58655.388	68752.1134	60901.208	45296.5085	39056.742	47080.6004	66641.6299	105587.08	89180.021	85334.118
-119493.63	-140045.2	-144784.09	-129159.7	-118701.38	-87886.07	-96971.294	-125406.35	-80997.7	-85668.009	-119826.51
166351.591	198700.6	213536.203	190060.912	163997.892	126942.81	144051.894	192047.983	186584.78	174848.03	205160.63

235643.583	235028.43	207473.65	199003.046	242316.708	275321.11	252530.027	260573.506	292434.42	184957.65	288973.32
1397.30144	1341.3439	954.589204	959.288493	1439.77403	1604.3234	1280.45268	1117.80321	1251.5783	824.45792	1464.1406
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.4716	3895.8659	4031.50706	4662.5774	2783.8298	4349.3877
52190.0055	52934.722	50264.0677	48830.4027	51912.0099	67142.634	65135.229	70150.0882	131720.97	72456.556	91413.82
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.4716	3895.8659	4031.50706	4662.5774	2783.8298	4349.3877
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3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.4716	3895.8659	4019.83461	4405.2657	2783.8298	4349.3877
235643.583	235028.43	207473.65	199003.046	242316.708	275321.11	252530.027	260573.506	292434.42	184957.65	288973.32
183453.578	182093.71	157209.582	150172.644	190404.698	208178.48	187394.798	191191.109	177643.83	112501.09	197559.5
183453.578	182093.71	157209.582	150172.644	190404.698	208178.48	187394.798	191191.109	177643.83	112501.09	197559.5
66565.6271	69241.317	89584.1086	78434.4951	71454.5265	65390.828	76385.9083	100132.934	92711.942	79883.674	81415.954
235643.583	235028.43	207473.65	199003.046	242316.708	275321.11	252530.027	261341.197	309364.8	184957.65	288973.32
235643.583	235028.43	207473.65	199003.046	242316.708	275321.11	252530.027	261341.197	309364.8	184957.65	288973.32
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.4716	3895.8659	4031.50706	4662.5774	2783.8298	4349.3877
235643.583	235028.43	207473.65	199003.046	242316.708	275321.11	252530.027	261341.197	309364.8	184957.65	288973.32
235643.583	235028.43	207473.65	199003.046	242316.708	275321.11	252530.027	261341.197	309364.8	184957.65	288973.32

3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.4716	3895.8659	4031.50706	4662.5774	2783.8298	4349.3877
52190.0055	52934.722	50264.0677	48830.4027	51912.0099	67142.634	65135.229	70150.0882	131720.97	72456.556	91413.82
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235643.583	235028.43	207473.65	199003.046	242316.708	275321.11	252530.027	261341.197	309364.8	184957.65	288973.32
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	930601.617	965882.06	808214.17	1008530.5
5180.29112	4605.8584	3378.30172	3250.67741	4778.85651	4691.0542	4162.75539	3971.30318	4110.8433	3585.974	5088.5477
37214.3178	32678.35	28328.3054	26690.9342	33956.6217	34923.927	35509.898	39307.6662	41143.442	34032.513	39241.317
545780.237	499847.1	466206.217	434940.835	489503.277	566348.53	606149.241	697728.868	1193010.5	900389.63	843653.76
76.260053	104.02342			236.89714	31.503846					
0.248388	0.414975			0.54672	0.127767					
6.11012	9.907604			19.985303	2.498594					
14.15761	11.911494	14.983892	16.891589	12.397571	16.903649	18.46684	16.595759	31.884164	14.554803	20.027396
10.193479	0.357344	0.599355	1.182411	1.239757	0.845182	0.923342	1.161703	1.913049	0.145548	1.001369
37214.3178	32678.35	28328.3054	26690.9342	33956.6217	34923.927	35509.898	39307.6662	41143.442	34032.513	39241.317
94.934484	85.09987	69.432121	70.986527	81.626494	92.882784	92.233501	92.706759	104.95776	96.683274	96.416012
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37208.2077	32668.443	28328.3054	26690.9342	33936.6364	34921.428	35509.898	39253.5343	39877.964	34032.513	39241.317
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	930601.617	965882.06	808214.17	1008530.5
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329738.905	311483.58	272414.364	242137.781	317375.232	241102.27	216322.172	234817.017	-182178.54	-92175.456	164876.69
329662.645	311379.56	272414.364	242137.781	317138.334	241070.77	216322.172	234817.017	-182178.54	-92175.456	164876.69
11.33	0.15	0.26	0.37	1.61	0.26	0.23	0.52	0.4	0.01	0.44
466229.303	480302.88	619201.858	554218.341	499107.238	457735.79	531455.732	692864.198	648983.59	559185.72	570703.37
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	932545.884	1010832	808214.17	1008530.5
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	932545.884	1010832	808214.17	1008530.5
37214.3178	32678.35	28328.3054	26690.9342	33956.6217	34923.927	35509.898	39307.6662	41143.442	34032.513	39241.317
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	932545.884	1010832	808214.17	1008530.5
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	932545.884	1010832	808214.17	1008530.5
37214.3178	32678.35	28328.3054	26690.9342	33956.6217	34923.927	35509.898	39307.6662	41143.442	34032.513	39241.317
545780.237	499847.1	466206.217	434940.835	489503.277	566348.53	606149.241	697728.868	1193010.5	900389.63	843653.76
-329738.91	-311483.6	-272414.36	-242137.78	-317375.23	-241102.3	-216322.17	-234817.02	182178.54	92175.456	-164876.69
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	932545.884	1010832	808214.17	1008530.5
0.01										

11.411005	11.409336	11.278099	11.325382	11.386549	11.428281	11.302027	11.228348	10.802976	10.901615	11.063927
0.180635	0.245013	0.269473	0.259487	0.2411	0.242926	0.261267	0.265477	0.440328	0.406329	0.324496
0.134469	0.235863	0.259791	0.249422	0.227289	0.234148	0.251466	0.251681	0.424652	0.390857	0.311977
996037.098	1113192.2	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.1	2135831.2	1783265.9
1466311.32	1653703.5	2092235.79	1828995.85	1660963.41	1527980.3	1750007.8	2267428.4	2251342.9	1906598.7	2039453.4
8633.24317	9177.346	9369.0164	8625.78851	9662.55767	8799.4722	8797.94385	9591.07512	9519.0158	8402.7743	10207.529
-10045.679	-3477.636	-23576.35	-18487.58	-3064.1754	1852.5893	-5427.6443	-21650.94	9540.3918	4655.0707	4420.4258
3138119.82	3074076.6	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.2	2874261.6	3331530.5
0.034301	0.034919	0.035436	0.036073	0.033339	0.03321	0.033428	0.033424	0.032256	0.035759	0.033741
220057.642	378538.86	438111.656	389079.588	393711.02	368516.4	399920.544	439091.74	654624.25	544963.51	513963.2
216724.929	373987.86	443352.903	387744.735	390467.26	360880.33	391705.351	428890.232	718595.47	597134.67	525393.17
2.202277	2.216516	2.225421	2.218446	2.244757	2.205237	2.208511	2.222168	2.3867	2.383402	2.354074
267720.752	465924.78	533838.792	477345.628	492363.082	454724.73	494486.423	549734.483	846292.2	704368.67	686700.83
348.521912	152.36204	1742.51034	564.650869	236.034789		14.076732	7.904761	1594.8318	1252.0468	219.70285
107158.919	135660.58	144383.862	132673.166	143854.168	132991.05	135618.481	147556.614	138815.22	124224.15	144075.03
273.364589	353.28277	353.882014	352.854164	345.803288	353.69959	352.255794	348.010882	354.12046	352.90951	353.99269
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8
367.099999	367.1	367.099999	367.099999	367.099999	367.1	366.146493	367.099999	367.1	367.1	368.00197
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
102.378673	111.6307	148.730533	122.142085	117.732845	83.55552	86.500723	82.236421	182.65546	186.3878	141.45613
26.212093	26.411519	26.249067	26.248846	26.712232	26.273744	26.029525	26.017102	27.064578	27.229947	27.185728
556673.416	914245.91	1057346.44	937485.795	963196.718	883939.39	956800.707	1064045.13	1680071.5	1399224.5	1301729.5
337607.508	603602.1	808927.16	679736.589	616599.641	586695.22	697485.314	801507.829	2074602.1	1616167.3	1209868
66610.6127	69404.776	90815.3515	79606.1945	71730.9971	65390.828	76385.9083	100132.934	92711.942	79883.674	81547.903
-219065.91	-310643.8	-248419.28	-257749.21	-346597.08	-297244.2	-259315.39	-262537.3	394530.65	216942.87	-91861.42
883387.745	1103449.2	1275133.38	1114677.42	1106102.92	1153043.7	1303634.55	1499236.7	3267612.7	2516557	2053521.8
1260.04	1716.22	2056.65	1764.56	1570.25	1436.82	1367.87	1384.8	1868.26	1692.13	1749.93
102256.038	174407.97	60327.4635	63877.231	202301.331	217499.82	168598.888	71171.7392	517494.62	423222.28	376894.05
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
187600.792	139369.83	391417.039	311542.816	133430.752	87383.967	171688.424	387223.626	157986.22	155544.33	142068.78
280.52	226.25	352.82	314.53	238.4	181.28	248.73	356.88	159.62	165.12	202.23
128.292182	131.72235	176.165972	164.672505	133.443906	99.68423	127.247443	164.874833	139.39671	141.38798	117.66206

3.226097	2.760701	4.768879	4.321309	2.790274	2.663991	3.501723	5.611917	3.502525	3.62063	2.81078
13,770	9,663	25,530	20,674	10,291	5,975	11,537	24,299	9,192	9,630	8,876
80876.3284	137745.31	66154.2323	65511.4371	160660.969	170423.76	156724.002	73160.8319	676341.46	544948.1	421216.52
5.044471	6.037257	5.515128	4.959935	6.097963	5.63801	5.488322	4.022273	10.467057	10.344372	9.181308
3,724	6,185	1,954	2,186	7,227	7,828	6,109	2,594	17,467	14,286	13,296
17.427235	21.01691	22.17968	19.756478	20.99658	21.252698	19.939245	18.319997	27.779081	25.823648	23.226681
15.429408	15.404251	21.886177	19.256163	15.125379	16.924733	18.272169	18.059207	27.553187	25.475675	21.797455
-10045.679	-3477.636	-23576.35	-18487.58	-3064.1754	1852.5893	-5427.6443	-21650.94	9540.3918	4655.0707	4420.4258
-25.626731	-9.056342	-57.785171	-49.169096	-7.365806	4.927099	-14.097777	-51.063538	24.337734	13.224632	10.860997
-4797034.3	-5005782	-5621188.1	-5079807.3	-5283336.4	-4818934	-5085664.5	-5942235.7	-5674213.5	-4973244.6	-5637120.6
-72.020477	-72.15579	-61.933973	-63.849147	-73.705302	-73.70915	-66.592643	-59.359136	-61.213342	-62.271303	-69.137631
-4797034.3	-5005782	-5621188.1	-5079807.3	-5283336.4	-4818934	-5085664.5	-5942235.7	-5674213.5	-4973244.6	-5637120.6
52840.8933	59742.051	65285.0333	58932.3904	61439.7401	59415.731	64849.2251	75833.6042	83520.139	70253.218	72672.257
1278710.53	1514333.7	1700818.75	1517453.03	1527532.66	1440596.3	1578319.38	1880204.77	2093356.7	1751054.4	1897384.6
4682961.73	4809396.2	5396183.79	4878528.01	5080085.37	4626430.2	4876811.81	5712751.04	5347598.2	4700974.5	5371534.5
4789686.2	4811020.7	5721446.6	5124559.39	5052855.15	4543390.5	4891776.23	6026813.83	4829242.9	4311570.7	5092386.8
0.099721			0.000241	0.017263		0.000236	0.013507			
642647.994	738828.08	960907.086	850371.433	752166.001	700539.64	814146.312	1049716.48	1008633.2	867085.23	875479.35
5.25	3.83	3.85	3.48	4.77	3.36	3.59	4.84	5.14	3.97	3.85
51245.7785	36854.035	34969.9627	33275.5455	40309.4784	33309.326	32365.3093	43270.2316	35899.545	33516.644	36094.514
5680422.05	6109231.4	6896321.46	6194484.77	6389439.29	5971977.6	6389299.01	7441472.43	8941826.1	7489801.6	7690642.4
2542302.23	3035154.8	3630115.11	3184451.47	3059189.69	2961944.3	3315222.44	4047019.45	5740943.9	4615540	4359111.9
484445.68	839912.64	977191.695	865090.363	882830.341	815605.06	886191.774	978624.716	1564887.7	1301503.3	1212094
56564.9338	65927.14	67239.0014	61118.6142	68666.8217	67243.417	70958.264	78481.9942	102252.33	84538.745	85968.329
51245.7785	36854.035	34969.9627	33275.5455	40309.4784	33309.326	32365.3093	43270.2316	35899.545	33516.644	36094.514
2542302.23	3035154.8	3630115.11	3184451.47	3059189.69	2961944.3	3315222.44	4047019.45	5740943.9	4615540	4359111.9
20981.9571	37479.234	45184.7843	39119.8859	40056.8985	35025.013	38243.6228	42150.1789	79284.253	64204.478	53540.949
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	932545.884	1010832	808214.17	1008530.5
37214.3178	32678.35	28328.3054	26690.9342	33956.6217	34923.927	35509.898	39307.6662	41143.442	34032.513	39241.317
545780.237	499847.1	466206.217	434940.835	489503.277	566348.53	606149.241	697728.868	1193010.5	900389.63	843653.76
-329738.91	-311483.6	-272414.36	-242137.78	-317375.23	-241102.3	-216322.17	-234817.02	182178.54	92175.456	-164876.69
875519.142	811330.69	738620.58	677078.617	806878.509	807450.8	822471.412	932545.884	1010832	808214.17	1008530.5

2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	2020-02
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255956	3123059.79
-3004909.8	-3200882.2	-3266206.3	-3200882.2	-3200882.2	-3266206.3	-3070234	-3266206.3	-3331671	-3255956	-3123059.8
-3004909.8	-3200882.2	-3266206.3	-3200882.2	-3200882.2	-3266206.3	-3070234	-3266206.3	-3331671	-3255956	-3123059.8
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255956	3123059.79
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255956	3123059.79
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255956	3123059.79
20.490312	16.220249	16.930291	18.7404	18.350198	16.170409	17.920308	18.850292	19.67038	31.819922	29.019947
0	0	0	0	0	0	0	0	0	0	0
20.364247	16.09421	16.804235	18.6143	18.22418	16.044305	17.794245	18.724236	19.544288	31.698079	28.898094
20.46122	16.191163	16.901201	18.7113	18.321117	16.141308	17.891216	18.821202	19.641282	31.791804	28.991827
19.733926	15.464015	16.173955	17.9838	17.594089	15.413786	17.163931	18.093953	18.913827	31.088861	28.288825
20.015146	15.745179	16.455157	18.2651	17.875206	15.695094	17.445148	18.375156	19.19511	31.360666	28.560652
$ 20.44	$ 16.17	$ 16.88	$ 18.69	$ 18.30	$ 16.12	$ 17.87	$ 18.80	$ 19.62	$ 31.77	$ 28.97
$ 20.48	$ 16.21	$ 16.92	$ 18.73	$ 18.34	$ 16.16	$ 17.91	$ 18.84	$ 19.66	$ 31.81	$ 29.01

18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	19.069515	19.069515
0.99	0.989999	0.99	0.99	0.99	0.99	0.99	0.989999	0.99	1.01	1.01
20.18	15.91	16.62	18.43	18.04	15.86	17.61	18.54	19.36	31.52	28.72
3.587167	3.380853	3.394446	3.421353	3.414619	3.407638	3.453368	4.007485	4.483509	4.795435	4.805875
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
0.030353	0.028877	0.02665	0.026836	0.025561	0.037925	0.032047	0.0295	0.032328	0.030816	0.035106
8028.675	8565.3	8760.15	8583.3	8594.55	8658.675	8188.875	8734.5	8883.225	8548.2	8163
21.817051	21.850255	21.900375	21.896173	21.924872	21.646687	21.778922	21.781795	21.77261	21.806632	21.710106
8280	8820	9000	8820	8820	9000	8460	9000	9180	8820	8460
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5	22.5

	10.4		2.74	3.07	6.23				3.32	5.01

4.80369	3.67341	4.14436	6.781679	5.46302	4.52112	0.56514	1.78961	0.47095	7.911959	7.441009
0.01529	0.020722	0.020009	0.030487	0.018975	0.02642	0.000876	0.001921	0.000199	0.11094	0.09399
0.014701	0.020127	0.019425	0.029489	0.018341	0.0256	0.000851	0.001875	0.000196	0.108801	0.090691
108.83059	1827.12008	1863.18623	9665.04201	4165.81656	3509.1503	240.296395	61.460907	18.084048	9820.7053	6697.0691
0.593292	10.008611	7.765988	35.511663	16.065783	16.803718	1.321884	0.246805	0.063392	38.637165	27.711672
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8

0.035163	0.02903	0.02945	0.029336	0.030331	0.028175	0.025452	0.028975	0.023039	0.022372	0.032712
2955.4938	4310.32278	4244.76654	6315.25112	3927.91138	5594.13248	174.81664	409.7265	43.70416	23299.78	18628.8982
10888.068	14044.5562	14881.6175	22492.4545	13959.3842	18958.6228	625.61972	1519.25875	200.059491	91472.678	69813.1162
1.875648	1.283829	1.516209	2.52051	2.013861	1.650764	0.208167	0.713272	0.232379	3.270445	3.028408
24.978569	448.340525	430.026976	2189.06477	961.021123	841.337751	54.485913	12.929594	3.040996	2022.7635	1459.9626
20593.48	22075.96	22516.76	22069	22046.38	22546.34	21252.94	22527.78	23118.8	22227.34	21094.6
55.960543	56.316224	56.2919	56.298469	56.240765	56.36585	56.523776	56.179002	56.663725	56.702397	56.102659
21344	22736	23200	22736	22736	23200	21808	23200	23664	22736	21808
58	58	58	58	58	58	58	57.855361	58	58	58
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
21.599414	15.235987	17.815248	29.238418	23.474634	19.28472	2.478163	8.194372	2.644232	37.441636	34.710605
21.599414	15.235987	17.815248	29.238418	23.474634	19.28472	2.478163	8.194372	2.644232	37.441636	34.710605
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.87	85043.2202
14886.745	20481.2867	22010.3769	33776.4722	20210.6793	28647.3846	873.236162	1965.02084	247.822672	129459.11	104138.238
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.242	19095.0176
14886.745	20481.2867	22010.3769	33776.4722	20210.6793	28647.3846	873.236162	1965.02084	247.822672	129459.11	104138.238
163.93	127.29	157.34	259.39	216.49	126.5	135.59	133.34	110.01	262.2	242.95
13149.574	15683.7694	16421.3665	17886.9809	12958.243	19975.256	531.014325	1796.58324	224.240842	100764.16	78346.1511
14764.815	18394.5245	19839.9324	21771.3566	15088.6755	24153.6536	587.722237	1900.19969	229.465617	117953.53	95869.2293
29.274695	21.389431	22.591987	30.625844	26.255287	25.67263	2.424776	10.397457	2.577142	46.148074	43.892851
311.12807	410.020411	405.004731	438.070533	314.989941	504.596531	12.775318	42.127285	4.317142	2258.9465	1822.79813
40.896748	38.323869	41.236965	41.50246	41.128592	40.327483	40.575724	46.383175	56.012449	47.225464	44.97892
2.862772	6.842876	13.100847	26.528645	18.88615	14.507699	1.623028	0.927663	0.560124	32.974602	30.131129
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
0.852663	1.167397	1.12665	1.710408	1.063826	1.4848	0.049361	0.108478	0.011372	6.310459	5.260106
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.242	19095.0176
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.242	19095.0176
2.651934	47.599588	45.655268	232.409466	102.030058	89.323468	5.784681	1.372714	0.322857	214.75353	155.001868
108.83059	1827.12008	1863.18623	9665.04201	4165.81656	3509.1503	240.296395	61.460907	18.084048	9820.7053	6697.0691
4.61	5.35	4.86	6.23	4.77	6.17	0.26	0.73	0.08	28.65	19.9
-1628.3406	-2970.3973	-3725.8242	-6224.4493	-3086.6198	-5162.9783	-101.92544	-106.97669	-5.497781	-18874.242	-19095.018
-16393.156	-21364.922	-23565.757	-27995.806	-18175.295	-29316.632	-689.64768	-2007.1764	-234.9634	-136827.77	-114964.25
	0.29	0.18	1.02	0.4	0.38	0.02	0.02		1.44	0.64
997.0249	1435.5813	1754.7481	3066.7741	1811.2982	2069.8661	57.5671	165.4412	21.1413	10549.175	7988.559
0.1	0.17	0.14	0.2	0.17	0.29	0.02	0.04	0.02	0.91	0.6

38.951	66.2167	54.5314	77.902	66.2167	112.9579	7.7902	15.5804	7.7902	361.543	238.38
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.87	85043.2202
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.87	85043.2202
10888.068	14044.5562	14881.6175	22492.4545	13959.3842	18958.6228	625.61972	1519.25875	200.059491	91472.678	69813.1162
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
38.951	66.2167	54.5314	77.902	66.2167	112.9579	7.7902	15.5804	7.7902	361.543	238.38
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.87	85043.2202
2331.3854	3400.1166	3348.4038	4981.6664	3098.4586	4412.8256	137.9008	323.205	34.4752	18750.646	14991.724

11.169292	11.299768	11.344918	11.260323	11.305482	11.272681		11.279351	11.243621	10.830021	10.890884
0.524176	0.476799	0.458326	0.483267	0.471307	0.495528		0.471913	0.490591	0.752839	0.706949
0.503126	0.459962	0.442023	0.467068	0.454742	0.390784		0.457291	0.473772	0.726412	0.681402
228283.63	434224.912	456554.338	555844.06	524272.083	321696.799		426237.382	544833.385	516095.81	476570.732
1287.85	2489.56486	2455.96965	2438.80879	2409.58557	1784.52434		2085.53336	2255.97061	2122.0789	2046.98431
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
0.041086	0.03602	0.036375	0.034693	0.036326	0.037525	0.037845	0.03135	0.035122	0.035408	0.036968
228827.01	225405.589	222204.845	228490.342	223299.703	194629.482		228691.616	240911.783	339913.75	307544.971
227823.96	222814.835	220204.247	226636.837	221470.596	192312.776		226946.916	239158.916	342891.43	310078.54
2.476	2.476	2.476	2.476	2.476	2.476		2.476	2.476	2.546699	2.5467
340036.93	334952.706	330196.399	339536.648	331823.359	289219.41		339835.742	357994.91	522345.46	472604.357
39169.68	41944.68	42784.95	42002.4	41931.36	35001.63	104.34	43008.06	43697.37	41971.32	40193.1
106.43935	107.001734	106.962375	107.148979	106.967755	87.504075	0.2775	107.252019	107.101397	107.06969	106.896542
40848	43512	44400	43512	43512	44400	41736	44400	45288	43512	41736
111	111	111	111	111	111	111	110.723192	111	111	111
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
29.479698	29.829301	29.921882	29.680316	29.777695	29.726925		29.676974	29.639809	29.323162	29.435784
29.078488	29.410943	29.519129	29.307112	29.418922	29.344081		29.35428	29.26521	29.042378	29.19745
604984.12	594121.659	585899.539	602143.767	588272.02	512200.907	7058.46	601974.392	635270.085	919502.63	830024.704
484641.26	386150.588	385322.472	447018.062	415702.923	349906.152		432949.591	472259.664	1147396.1	962207.409
-120342.87	-207971.07	-200577.07	-155125.71	-172569.1	-162294.76	-7058.46	-169024.8	-163010.42	227893.48	132182.705
484641.26	386150.588	385322.472	447018.062	415702.923	349906.152		432949.591	472259.664	1147396.1	962207.409
352.88	377.88	385.45	378.4	377.76	315.33	0.94	387.46	393.67	378.12	362.1
368966.22	152162.478	121911.291	39391.4275	57316.9273	184647.088		169579.63	83002.7902	395288.27	347633.131
348607.22	141314.46	106239.86	42982.2863	60466.013	169223.388		167576.873	87661.7902	555523.81	474289.22

52.310307	35.321926	31.775648	26.841744	31.448941	39.620942		42.784836	39.494982	53.739632	52.641037
12885.231	5356.31803	4242.0003	1398.77516	2032.05579	6494.55219		5969.60746	2957.24526	13906.459	12233.6445
23.408511	18.752038	19.314127	18.042841	18.159979	19.341572		20.149027	19.528298	24.633326	23.55487
17.679396	15.160277	16.050019	17.533328	17.454401	14.924754		17.813299	19.137215	24.151372	22.929696
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
55.847065	51.055816	49.064655	51.844586	50.476408	43.3771		50.632778	52.588696	80.631801	75.635686
-239950.74	-325790.57	-316723.54	-274557.61	-289287.85	-264027.59	-7058.46	-288561.91	-288935.01	50220.559	-28571.051
-239950.74	-325790.57	-316723.54	-274557.61	-289287.85	-264027.59	-7058.46	-288561.91	-288935.01	50220.559	-28571.051
7666.4894	14657.562	15383.8617	18924.3028	17754.6962	10856.2878		14334.1365	18498.9427	17701.207	16205.3735
228283.63	434224.912	456554.338	555844.06	524272.083	321696.799		426237.382	544833.385	516095.81	476570.732
188.21	88.71	74.76	37.75	48.76	94.47		110.36	68.59	189.99	168.41
120342.87	207971.071	200577.066	155125.705	172569.097	162294.756	7058.46	169024.801	163010.421	-227893.48	-132182.71
-228264.35	66656.6107	94337.2058	112143.419	112103.084	-6928.6326	7058.46	1447.92855	75348.6309	-783417.28	-606471.92
103.5	227.83	248.79	312.39	305.96	159.74		241.22	312.02	134.66	149.14
					0.1825	0.99734				
59930.882	63676.5878	69650.3984	82978.5641	79776.8992	54500.8862		75891.2182	92165.9757	88316.994	81359.2611
1.03	1.03	0.99	0.92	0.89	0.78	0.94	0.82	0.99	1.06	0.76
7734.27	7734.27	7433.91	6908.28	6683.01	5857.02	7058.46	6157.38	7433.91	8118.54	5820.84
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.5	990778.46
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.5	990778.46
567860.89	557767.541	550400.646	566173.486	553293.955	481532.186		566782.658	597153.826	865236.89	782682.897
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
7734.27	7734.27	7433.91	6908.28	6683.01	5857.02	7058.46	6157.38	7433.91	8118.54	5820.84
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.5	990778.46
29388.96	28619.8484	28064.9827	29062.0015	28295.0554	24811.7012		29034.3539	30682.3488	46147.192	41520.9663
44.23	42.07	43.16	5.39	6.22	44.33		19.16	1.86	1.83	2.19

0.024429	0.027933	0.0425	0.024948	0.032244	0.036425	0.027021	0.025025	0.044828	0.02602	0.029042

1077.03	1143.15	1149	1146.66	1138.08	1156.29	1097.52	1169.97	1169.13	1145.4	1095.24
2.926711	2.916198	2.8725	2.925153	2.903265	2.890725	2.918936	2.91763	2.865514	2.921938	2.912872
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1128
3	3	3	3	3	3	3	2.992518	3	3	3

11.772411		12.036038	11.953258	12.008427	12.084636	12.051604	11.9375	11.824193	11.338286	11.388704
0.594446		0.489909	0.535781	0.52266	0.513061	0.512923	0.535663	0.560204	0.821532	0.783742
0.563168		0.234648	0.516072	0.497427	0.411686	0.491744	0.505179	0.474357	0.786852	0.746554
154847.71		101638.855	226005.072	217715.443	160613.336	177923.923	211960.455	213102.443	292156.2	266839.17
873.39305		503.391403	987.696279	997.84261	931.992414	999.55219	1034.79369	875.61246	1214.0062	1157.49622
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
0.051277	0.052551	0.048275	0.037729	0.046989	0.0494	0.041941	0.05575	0.044411	0.042984	0.048191
104302.12		48301.5035	103707.087	100350.916	84638.7946	95465.4904	103399.542	98136.7627	148818.35	136001.41
103747.95		47893.791	102938.412	99623.5595	83515.6573	94875.5092	102571.039	97500.8519	150277.66	137246.408
2.1015		2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	1.8787	1.8787
115931.81		53687.1212	115270.427	111540.043	94076.0202	106109.893	114928.591	109079.012	129278.5	118144.424
14973.03		8214.72	16220.03	16023.09	13789.24	15489.89	16200.68	14836.72	16131.45	15388.84
40.687581		20.5368	41.377627	40.875229	34.4731	41.196515	40.400698	36.364509	41.151658	40.927765
15824	16856	17200	16856	16856	17200	16168	17200	17544	16856	16168
43	43	43	43	43	43	43	42.892768	43	43	43
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
26.280947		27.808599	26.539942	26.681448	27.539048	26.807671	26.679773	26.721178	22.614648	22.823822
25.663156		26.223883	26.04381	26.158394	26.333848	26.24737	26.010974	25.77209	22.252185	22.347194
232944.6		111239.977	230273.05	223084.111	192014.038	212465.045	231003.248	221822.176	296285.67	271934.211
203846.78		83605.3694	188011.134	173139.547	133801.596	154746.324	181396.115	181790.56	458201.92	385734.511
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203846.78		83605.3694	188011.134	173139.547	133801.596	154746.324	181396.115	181790.56	458201.92	385734.511
348.21		191.04	377.21	372.56	320.68	360.23	376.58	345.04	375.15	357.88
73119.825		3695.50011	293.753302	1245.87464	23563.6808	30455.4714	13620.02	1216.99213		18.438003
79393.573		3468.63287	297.944546	1308.45812	23486.1571	30980.7451	15351.0669	1337.63573		39.365802
23.291478		11.465886	3.346104	8.276288	17.027178	19.624615	17.752419	6.079171		0.318014
2951.8618		147.144382	11.739635	50.487315	955.471359	1228.17379	556.801608	49.776703		0.860336
24.067299		21.944081	18.236985	18.770458	16.663289	17.657703	19.996426	20.602177	27.157825	25.640304
20.072151		16.501078	15.121616	16.991805	14.532605	17.194369	19.44148	18.687385	8.418926	6.922882
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
24.21625		10.0899	22.191096	21.389387	17.702525	21.145026	21.668528	20.397352	33.834668	32.101835
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5959.7182		3888.81562	8687.17036	8334.15268	6125.53864	6722.35621	8132.27839	8272.3433	13263.19	12069.4297
154847.71		101638.855	226005.072	217715.443	160613.336	177923.923	211960.455	213102.443	292156.2	266839.17
8.2		0.78	0.04	0.23	8.26	49.99	2.02	0.13		
29097.815		27634.6081	42261.9157	49944.5642	58212.4415	57718.7217	49607.1325	40031.6159	-161916.25	-113800.3
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14.06		9.58	22.63	21.17	66.18	284.57	22.88	19.18	3.46	2.01
0.002717	1	0.4975		0.002551	0.1575		0.0025	0.115196		
58453.33		34569.2516	82438.395	77772.4144	51601.356	61485.4648	73323.2948	78938.4235	87346.38	78965.0607
1.34		1.59	1.07	1.11	2.11	1.1	1.46	2.02	1.09	1.34
4977.0655		5905.62252	3974.22396	4122.79308	7837.02108	4085.6508	5422.77288	7502.74056	4129.4759	5076.6034
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.02	343022.148
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.02	343022.148
219679.76		101580.912	218208.839	211163.603	177591.678	200985.402	217499.631	206579.864	279556.17	255390.832
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
4977.0655		5905.62252	3974.22396	4122.79308	7837.02108	4085.6508	5422.77288	7502.74056	4129.4759	5076.6034
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.02	343022.148
8287.7694		3753.4428	8089.9863	7797.7152	6585.3393	7393.9929	8080.8444	7739.5716	12600.031	11466.7755
1.01		0.17			3.67	5.27	0.2			

0.031114	0.025357	0.031425	0.044693	0.018622	0.024775	0.029468	0.031225	0.023848	0.029438	0.030372

1069.65	1146.18	1162.29	1123.44	1154.1	1170.27	1094.76	1162.53	1194.81	1141.38	1093.74
2.906657	2.923928	2.905725	2.865918	2.944132	2.925675	2.911595	2.899077	2.928455	2.911683	2.908882
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1128
3	3	3	3	3	3	3	2.992518	3	3	3

2.247115	2.392721	3.941803	6.485692	2.814952	2.823302	0.143333	9.40993	10.016141
0.001867	0.005399	0.005877	0.009722	0.004602	0.00824	0.00011	0.026985	0.031606
0.001793	0.005285	0.00583	0.009464	0.004566	0.00804	0.000095	0.026244	0.030329
	89.972028	51.414388	1176.13681	362.460664	343.177483		560.04873	1055.43716

	0.491816	0.253656	4.367712	1.370447	1.478401				2.160337	4.236371
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
0.033505	0.028507	0.0279	0.027869	0.025561	0.031912	0.027234	0.0317	0.027487	0.02454	0.033324
465	1468.4	1647.4	2632.7	1268.3	2283.6	25.8			7234	8077
1670.408	4700.44135	5768.69615	9376.44157	4550.79009	7719.54736	98.719424			25007.24	27529.0144
0.578322	0.543293	0.962711	1.635182	0.71576	0.68503	0.038263			2.35708	2.528219
	27.509395	15.618662	324.554459	102.950265	103.894899				157.56518	290.49266
17728.3	19014.7	19534.1	19025.7	19178.8	19332.2	18250.5	19392.7	19787.2	19072.2	18114.1
48.174728	48.506887	48.83525	48.534948	48.92551	48.3305	48.538563	48.360847	48.498039	48.653571	48.175797
18400	19600	20000	19600	19600	20000	18800	20000	20400	19600	18800
50	50	50	50	50	50	50	49.875311	50	50	50
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
9.35279	10.64914	20.152192	36.502122	14.91781	17.038766	1.196763			45.211351	54.253591
8.145695	7.670184	13.593309	23.149691	10.086574	9.722852	0.549619			33.471095	36.032199
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.274	27703.2844
1842.5854	5455.72579	6616.05286	11077.457	5257.7966	9207.6149	122.965512			28443.496	32735.4275
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.2218	5032.14308
1842.5854	5455.72579	6616.05286	11077.457	5257.7966	9207.6149	122.965512			28443.496	32735.4275
143.49	203.6	232.57	366.82	269.65	167.38	129.93	84.78	72.49	301.13	315.96
1675.717	4629.24933	5735.32876	8242.33476	4197.98443	7421.15587	98.931424			24682.225	26647.8472
1842.5854	5358.27742	6560.41953	9727.25375	4825.56691	8778.26036	122.965512			27809.117	31482.6982
3.3	3.563414	6.105402	9.221621	4.241697	4.579502	0.25			14.25688	15.413664
33	101.635043	115.484381	162.42176	82.146409	153.469992	1.8			503.16206	549.483469
	45.786877	49.801354	51.337761	50.271244	50.140537				53.816329	48.789959
	0.915737	1.49404	10.267552	4.524411	2.005621				9.548675	8.275156
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
0.089673	0.264285	0.2915	0.473214	0.228316	0.402	0.004787			1.312244	1.516489
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.2218	5032.14308
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.2218	5032.14308
	1.964956	1.115618	23.078239	7.35359	7.330007				11.237937	20.71653
	89.972028	51.414388	1176.13681	362.460664	343.177483				560.04873	1055.43716
0.6	1.45	1.53	2.4	1.29	2.06	0.02			6.98	7.94
-166.86838	-736.50444	-829.30971	-1658.9855	-697.35151	-1443.2815	-24.034087			-3201.2218	-5032.1431
-2009.4538	-6094.7819	-7389.7292	-11386.239	-5522.9184	-10221.542	-146.9996			-31010.339	-36514.841
	0.02		0.18	0.03	0.06				0.08	0.05

164.7957	551.374	750.5176	1478.7668	673.0947	987.1801	10.5061			3386.2279	3907.0508
0.01	0.02	0.03	0.06	0.01	0.06				0.46	0.25
4.249	12.42	12.747	29.416	4.249	33.338				223.37	140.358
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.274	27703.2844
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.274	27703.2844
1670.408	4700.44135	5768.69615	9376.44157	4550.79009	7719.54736	98.719424			25007.24	27529.0144
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
4.249	12.42	12.747	29.416	4.249	33.338				223.37	140.358
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.274	27703.2844
1.06	6.36	5.3	12.614	5.406	11.448	0.212			11.664	33.912

0.019836	0.028622	0.034775	0.037806	0.04028	0.02335	0.022367	0.025575	0.038431	0.035714	0.031888

1442.8	1523.12	1544.36	1508.72	1504.84	1562.64	1470.36	1559.08	1569.28	1512	1456.04
3.920652	3.88551	3.8609	3.848775	3.838877	3.9066	3.910531	3.88798	3.846274	3.857142	3.872446
1472	1568	1600	1568	1568	1600	1504	1600	1632	1568	1504
4	4	4	4	4	4	4	3.990024	4	4	4

10.443003	10.707151	10.718721	10.576693	10.621568	10.712244	10.626104	10.545144	10.484965	10.246081	10.294387
0.480022	0.368172	0.345953	0.386435	0.37145	0.38766	0.369027	0.406652	0.43021	0.686133	0.651012
0.45152	0.262387	0.327036	0.367006	0.349121	0.365131	0.344655	0.386637	0.408253	0.651716	0.613724
206803.91	140253.571	187511.608	206835.578	197152.282	200883.541	180106.815	219946.534	237605.325	359568.83	323311.831
1170.451	802.332453	984.293843	886.139407	890.391512	1139.98898	1010.65352	1067.98086	974.861361	1488.4622	1400.48112
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
0.056983	0.065561	0.056625	0.0525	0.064438	0.05915	0.068377	0.05095	0.053357	0.05176	0.058484
100772.24	63508.0276	81482.7721	88770.4374	84593.9357	89964.7604	80141.1858	95068.8098	101871.22	151439.05	137268.958
100329.42	62632.2323	80905.1792	88342.9169	84340.4157	88400.3016	80009.7783	94437.7615	101587.972	152779.64	138153.508
2.2803	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.4044	2.4044
130026.42	81944.4081	105137.221	114540.495	109151.555	116081.53	103406.172	122667.285	131444.436	211166.61	191407.836

20282.632	16318.928	22112.71	21765.212	21490.964	22053.524	20526.994	22245.732	22633.078	21782.206	20744.986
55.115847	41.629918	55.281774	55.523499	54.823887	55.133809	54.593069	55.47564	55.47323	55.566852	55.172835
21564.8	22971.2	23440	22971.2	22971.2	23440	22033.6	23440	23908.8	22971.2	22033.6
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.599999
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
27.129623	31.584418	29.022559	27.994972	28.473929	28.826117	28.641863	27.15996	27.437921	27.147242	27.398351
24.279768	24.890404	24.909327	24.584436	24.683997	24.902088	24.693213	24.511561	24.374539	25.116797	25.233339
258183.55	179590.703	216266.396	231950.502	223208.398	233609.128	212595.307	242594.048	263061.696	395020.42	357534.399
246677.07	134717.89	170373.728	206587.212	188335.275	194698.391	165174.764	210761.05	232214.808	557477.39	470104.475
-11506.482	-44872.813	-45892.668	-25363.29	-34873.123	-38910.738	-47420.544	-31832.998	-30846.888	162456.97	112570.076
246677.07	134717.89	170373.728	206587.212	188335.275	194698.391	165174.764	210761.05	232214.808	557477.39	470104.475
345.89	278.48	377.35	371.42	366.74	376.34	350.29	379.62	386.23	371.71	354.01
28128.301	7155.9235	2133.68433	10.211615	108.964139	7620.87493	6878.31581	1418.02622	14.682855	11563.361	12740.3436
32348.17	8335.16792	1779.5281	9.678942	111.835424	8119.63963	7442.6953	1529.00279	14.399936	17363.712	19539.0374
18.30277	12.183449	7.844631	0.385161	1.296026	11.651236	13.093332	8.221788	0.537908	11.495854	13.019874
1183.0779	304.209863	85.759822	0.408965	4.345244	321.670968	287.025822	59.360644	0.602943	471.84752	519.450254
23.811888	21.057662	20.576264	22.526029	21.359167	22.590552	20.779258	22.644599	20.501733	24.471546	23.797154
20.532641	16.215896	15.176241	12.325978	10.770466	15.480646	19.926545	19.905399	11.623157	23.682179	22.998929
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
26.459114	15.375892	19.16432	21.506607	20.458505	21.396725	20.196813	22.600483	23.923656	38.190586	35.964265
-64180.129	-78068.459	-88483.713	-71763.597	-79090.373	-85935.318	-89310.342	-81525.465	-84094.975	83299.778	40819.591
-64180.129	-78068.459	-88483.713	-71763.597	-79090.373	-85935.318	-89310.342	-81525.465	-84094.975	83299.778	40819.591
8553.8761	5723.14014	7579.96818	8430.18103	8015.38876	8237.01903	7306.97618	9003.43336	9760.24906	14498.862	13003.1137
206803.91	140253.571	187511.608	206835.578	197152.282	200883.541	180106.815	219946.534	237605.325	359568.83	323311.831
0.66	1.2	0.19		0.02	0.95	2.91	0.04	0.01	1.69	1.66
11506.482	44872.8127	45892.6681	25363.2898	34873.123	38910.7375	47420.5437	31832.998	30846.8882	-162456.97	-112570.08
-20841.688	36537.6448	44113.14	25353.6109	34761.2876	30791.0979	39977.8484	30303.9952	30832.4883	-179820.68	-132109.11
2.06	12.88	11.73	1.81	1.72	9.65	28.38	2.48	5.22	17.39	18.01
0.002717	0.242346									
54848.843	42397.4561	63867.5587	76437.7832	71152.4269	58954.4475	55597.1498	70422.2474	83621.6314	80855.595	74131.7187
1.38	1.91	1.58	1.49	1.54	1.49	1.52	1.26	1.51	1.39	1.25
23251.344	32181.208	26621.104	25104.712	25947.152	25104.712	25610.176	21229.488	25441.688	23888.234	21482.225
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.61	429284.884
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.61	429284.884
230355.84	144576.64	186042.4	202883.412	193491.971	204481.832	183415.95	217105.047	233032.408	363946.25	329561.343

9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
23251.344	32181.208	26621.104	25104.712	25947.152	25104.712	25610.176	21229.488	25441.688	23888.234	21482.225
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.61	429284.884
4576.3684	2832.8545	3602.89216	3962.3773	3769.27498	4022.5843	3569.18094	4259.51318	4587.60044	7185.9408	6490.83072
0.03	0.17	0.21			0.07	0.04				
1.05	1.95	3.45	5.1	2.25	2.55	0.15			7.35	9
0.000851	0.00408	0.004339	0.007878	0.003412	0.007061	0.000053			0.017726	0.025066
0.000815	0.004005	0.00425	0.00778	0.003265	0.006825	0.000053			0.017372	0.024175
			143.719267	24.524226	81.585003				68.641781	100.967074
			0.527583	0.091643	0.344486				0.258751	0.393505
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
0.034157	0.034489	0.02685	0.024464	0.035918	0.03565	0.029122	0.0207	0.019803	0.020637	0.033457
63	329.7	357	640.5	268.8	573.3	4.2			1430.1	1908.9
226.64449	1054.56679	1250.00964	2282.05554	969.602674	1933.16738	16.070604			4850.0652	6380.82296
0.260422	0.421519	0.795754	1.213646	0.530934	0.583582	0.038263			1.670533	2.089654
			39.171298	6.962673	25.00117				19.369828	25.083427
4976.02	5298.72	5449.64	5353.74	5290.88	5400.36	5110.7	5484.08	5598.88	5374.74	5087.88
13.521793	13.517142	13.6241	13.6575	13.497142	13.5009	13.592287	13.676009	13.722745	13.711071	13.531595
5152	5488	5600	5488	5488	5600	5264	5600	5712	5488	5264
14	14	14	14	14	14	14	13.965087	14	14	14
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
3.906331	6.322795	12.019648	18.422883	8.339012	9.292031	0.94895			27.509842	32.258425
3.906331	6.322795	12.019648	18.422883	8.339012	9.292031	0.94895			27.509842	32.258425
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604			5133.5652	6538.32296
254.68754	1217.49223	1412.97495	2657.09029	1115.73012	2263.70979	18.542416			5489.0491	7556.35537
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187			355.48398	1018.03241
254.68754	1217.49223	1412.97495	2657.09029	1115.73012	2263.70979	18.542416			5489.0491	7556.35537
87.1	140.07	154.09	178	121.11	79.67	70.91	64.37	61.75	156.06	171.06
226.64449	1054.56679	1260.50964	2159.33627	955.578447	1893.58238	26.570604			5064.9234	6437.35589
254.68754	1217.49223	1412.97495	2493.8073	1090.20692	2165.07666	18.542416			5413.0067	7440.05914
0.98	1.82	3.22	4.745435	2.098232	2.363328	0.14			6.656577	8.357668
4.2	21.98	23.8	40.08858	17.455821	36.553255	0.28			94.048678	125.587771
			57.60666	53.666264	51.836009				56.128781	55.494868
			5.184599	1.609987	1.03672				1.683863	3.88464

4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
0.011413	0.056071	0.0595	0.108928	0.045714	0.09555	0.000744			0.243214	0.338457
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187			355.48398	1018.03241
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187			355.48398	1018.03241
			2.611419	0.464178	1.666744				1.291321	1.672228
			143.719267	24.524226	81.585003				68.641781	100.967074
0.2	0.97	1.26	1.74	0.76	1.63	0.02			5.67	5.91
-28.04305	-162.92544	-152.46531	-354.03475	-135.62744	-288.5424	8.028187			-355.48398	-1018.0324
-282.73059	-1380.4177	-1565.4403	-2847.8421	-1225.8344	-2453.6191	-10.514229			-5768.4907	-8458.0916
			0.13	0.03	0.05				0.05	0.04
55.0873	284.5324	387.934	819.0162	327.6034	557.0257	3.4714			1689.8144	2136.4033
		0.01	0.02	0.01	0.04	0.01			0.27	0.15
		10.5	21	10.5	42	10.5			283.5	157.5
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604			5133.5652	6538.32296
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604			5133.5652	6538.32296
226.64449	1054.56679	1250.00964	2282.05554	969.602674	1933.16738	16.070604			4850.0652	6380.82296
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
		10.5	21	10.5	42	10.5			283.5	157.5
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604			5133.5652	6538.32296

11.118066	11.149406	11.269129	11.257356	11.307087	11.29535	11.363908	11.252645	11.178867	10.789688	10.857888
0.305805	0.227534	0.239449	0.276198	0.265227	0.258721	0.168071	0.26915	0.277384	0.452891	0.428261
0.29277	0.185016	0.217369	0.266507	0.25514	0.23007	0.112766	0.25946	0.264018	0.437273	0.410833
590044.08	576395.575	747619.401	999669.608	943692.609	687127.589	358271.035	858205.832	995559.237	1178270.2	1074575.21
3332.2874	3302.39774	3951.67454	4353.05143	4315.34757	3875.13234	2011.52759	4188.55472	4106.50783	4865.6035	4637.30319
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
0.035583	0.035041	0.035338	0.033522	0.034712	0.036018	0.033464	0.03295	0.033649	0.031294	0.036624
437384.86	295022.04	358238.287	430556.318	413709.566	377684.069	175811.493	427569.695	440963.471	672135.03	609430.137
444686.46	305246.632	370903.54	452069.118	424914.348	392840.072	175625.697	425474.976	438447.799	767278.71	689201.41
2.34994	2.448097	2.396608	2.366798	2.357174	2.36271	2.183486	2.343369	2.347892	2.41734	2.409137
585995.16	416897.114	489020.741	569347.571	552514.957	499376.961	209516.065	577431.619	598518.357	862790.58	782156.617
24.978569	475.849921	445.645638	2552.79052	1070.93406	970.233822	54.485913	12.929594	3.040996	2199.6985	1775.53869
129341.3	117030.738	133228.68	138798.202	138353.044	130671.169	92586.879	141485.112	142488.493	138906.24	132431.526
351.47092	298.547801	333.0717	354.077045	352.941438	326.677922	246.241699	352.830703	349.236502	354.35264	352.211505

135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	138029.6
367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.1	367.099999
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
117.74881	93.621643	136.74013	168.378656	131.664531	131.70761	60.073412	91.711081	86.443141	189.24788	200.88058
27.245567	28.597312	28.211317	27.832149	27.809536	27.861774	25.517922	27.46262	27.333647	27.403113	27.448973
1111273	796997.04	938737.718	1103640.87	1057229.14	971047.98	433015.625	1077429.73	1120396.28	1751769.4	1578778.14
952149.12	548022.983	669340.975	889127.427	803761.951	718524.848	320935.831	827071.777	886512.854	2326467.1	1962476.42
-159123.91	-248974.06	-269396.74	-214513.44	-253467.19	-252523.13	-112079.79	-250357.96	-233883.43	574697.65	383698.274
952149.12	548022.983	669340.975	889127.427	803761.951	718524.848	320935.831	827071.777	886512.854	2326467.1	1962476.42
1441.5	1137.72	1497.84	1933.98	1727.38	1392.13	1047.89	1426.15	1369.19	1847.69	1808.97
485266.28	180685.987	151157.68	67984.0443	76783.5719	245121.638	37990.3036	186414.259	84458.706	537362.94	471823.267
477211.05	174619.922	139301.348	77282.3274	82890.7559	235926.176	39152.6706	186357.142	89243.2915	724063.17	628659.61
18.679892	12.973606	12.729851	12.055361	11.122596	15.070617	5.963787	19.789125	12.172301	20.936271	21.293824
17368.498	6194.16335	5019.19362	2051.50464	2501.48052	8466.3143	1530.05494	6627.89699	3011.94205	17234.464	15251.8245
24.051936	20.848988	22.221204	24.975513	22.445536	21.348055	19.497336	20.837155	20.164938	29.972416	28.41771
19.783541	16.942681	18.202312	24.765888	22.104051	17.100837	18.849466	19.682766	19.948548	29.719566	28.155394
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
107.47618	67.919464	79.796525	97.834841	93.662158	84.4587	41.396734	95.010269	96.921078	160.52297	150.81684
-385924.16	-399989.2	-453381.46	-434553.35	-466856.61	-445521.24	-203869.4	-473634.47	-464352.19	240080.18	80106.096
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22182.736	20430.2666	26899.4164	36299.7534	34214.0855	25317.1657	14035.1171	31471.221	36531.8579	45690.542	41455.3075
590044.08	576395.575	747619.401	999669.608	943692.609	687127.589	358271.035	858205.832	995559.237	1178270.2	1074575.21
202.48	97.68	83.38	48.16	55.83	113.54	53.2	113.15	68.81	232.98	203.82
159123.91	248974.057	269396.743	214513.441	253467.186	252523.132	112079.794	250357.955	233883.428	-574697.65	-383698.27
-318087.14	74354.1342	130095.395	137231.114	170576.43	16596.9567	72927.1235	64000.813	144640.136	-1298760.8	-1012357.9
119.62	241.02	270.28	338.16	329.31	236.06	312.97	266.6	336.42	157.08	169.89
0.000494	0.11294	0.045227		0.000231	0.030909	0.090667	0.000227	0.010472		
174449.96	108345.532	170980.408	247219.299	231513.737	168670.762	117154.159	219802.202	254747.172	272144.19	248488.054
3.86	3.13	4.34	3.76	3.73	4.77	3.59	3.58	4.54	5.18	4.35
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.663	32915.9064
1338073.3	948012.187	1122722.43	1323680.77	1270618.57	1164046.09	524805.235	1300706.25	1350865.04	2086386.9	1882370.32
1338073.3	948012.187	1122722.43	1323680.77	1270618.57	1164046.09	524805.235	1300706.25	1350865.04	2086386.9	1882370.32
1030681.6	722143.746	859924.281	1021416.69	977429.305	892217.033	385141.762	1002906.59	1036966.16	1630069.3	1471358.03
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.663	32915.9064

1338073.3	948012.187	1122722.43	1323680.77	1270618.57	1164046.09	524805.235	1300706.25	1350865.04	2086386.9	1882370.32
44585.543	34859.1795	38775.0214	46108.6455	42965.9101	39843.8984	11101.2866	41697.9165	43043.9961	84695.474	74504.2085
45.27	42.24	43.54	5.39	6.22	48.07	5.31	19.36	1.86	1.83	2.19
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
58186.934	141419.606	200931.32	407595.097	371523.633	140738.955	288818.609	211249.772	413095.288	161352.82	169287.236
322.91577	803.300922	1025.12787	1766.44149	1676.6594	776.15575	1599.28706	1021.08942	1700.23296	662.40275	723.364273
-64667.472	-68238.156	-74464.451	-88768.168	-85041.515	-69903.316	-66689.204	-81597.947	-98298.264	-94502.396	-86889.195
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.396	86889.1949
58186.934	141419.606	200931.32	407595.097	371523.633	140738.955	288818.609	211249.772	413095.288	161352.82	169287.236
117.72	249.27	270.25	337.07	328.44	235.58	315.55	265.36	335.83	155.93	168.58
92.614419	118.169455	144.457807	182.869634	174.996309	139.370534	136.381814	135.256738	169.435772	146.49193	143.019408
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3708.2788	10724.9333	13235.6909	25104.6395	23086.2483	11756.1883	17855.9322	13235.7933	24048.0029	9047.8311	10353.6223
-64667.472	-68238.156	-74464.451	-88768.168	-85041.515	-69903.316	-66689.204	-81597.947	-98298.264	-94502.396	-86889.195
-175.72682	-174.07693	-186.16113	-226.44941	-216.94264	-174.75829	-177.3649	-203.48615	-240.92712	-241.07754	-231.08828
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1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
1387221.4	1251725.13	1508009.12	2126616.78	1967348.85	1293587.89	1487212.82	1760766.78	2362213.4	3183967.5	2695217.83
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.396	86889.1949
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
58186.934	141419.606	200931.32	407595.097	371523.633	140738.955	288818.609	211249.772	413095.288	161352.82	169287.236
322.91577	803.300922	1025.12787	1766.44149	1676.6594	776.15575	1599.28706	1021.08942	1700.23296	662.40275	723.364273
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64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.396	86889.1949
58186.934	141419.606	200931.32	407595.097	371523.633	140738.955	288818.609	211249.772	413095.288	161352.82	169287.236
117.72	249.27	270.25	337.07	328.44	235.58	315.55	265.36	335.83	155.93	168.58
92.614419	118.169455	144.457807	182.869634	174.996309	139.370534	136.381814	135.256738	169.435772	146.49193	143.019408

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1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
1387221.4	1251725.13	1508009.12	2126616.78	1967348.85	1293587.89	1487212.82	1760766.78	2362213.4	3183967.5	2695217.83
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.396	86889.1949
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.7	2525930.59

4169.9058	4334.77547	4007.31268	3048.4434	3295.48078	4000.94962	4458.64251	4564.16561	4564.89826	4986.133	4247.82692
86456.875	69445.2008	66593.2869	53227.8161	57761.2845	64212.3639	80503.2368	85757.433	87904.5302	156668.35	123191.789
277.83892	25.355235	75.393684			163.264492	5.852464				
2.986088	0.662417	2.008967			2.54167	0.228151				
16.460472	1.830247	7.14314			11.604435	0.391715				
20.371075	15.754768	15.675736	15.692825	16.562127	17.646921	16.205384	18.732527	18.955501	49.710432	36.236188
2.85195	10.083051	3.291904	0.470784	1.32497	3.882322	4.861615	1.685927	1.705995	1.491312	0.724723
4169.9058	4334.77547	4007.31268	3048.4434	3295.48078	4000.94962	4458.64251	4564.16561	4564.89826	4986.133	4247.82692
11.331265	11.0581	10.018281	7.776641	8.406838	10.002374	11.858091	11.381959	11.188476	12.719726	11.297412
86456.875	69445.2008	66593.2869	53227.8161	57761.2845	64212.3639	80503.2368	85757.433	87904.5302	156668.35	123191.789
86456.875	69445.2008	66593.2869	53227.8161	57761.2845	64212.3639	80503.2368	85757.433	87904.5302	156668.35	123191.789
4153.4454	4332.94522	4000.16954	3048.4434	3295.48078	3989.34519	4458.2508	4564.16561	4564.89826	4986.133	4247.82692

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0.63	11.03	2.8	0.29	0.59	2.3	4.48	0.89	0.91	0.11	0.1
64667.472	68238.1557	74464.4505	83639.3554	81763.0419	67455.0729	66027.5887	81597.9469	98298.264	92543.956	85151.7412
4169.9058	4334.77547	4007.31268	3048.4434	3295.48078	4000.94962	4458.64251	4564.16561	4564.89826	4986.133	4247.82692
4169.9058	4334.77547	4007.31268	3048.4434	3295.48078	4000.94962	4458.64251	4564.16561	4564.89826	4986.133	4247.82692
86456.875	69445.2008	66593.2869	53227.8161	57761.2845	64212.3639	80503.2368	85757.433	87904.5302	156668.35	123191.789
86456.875	69445.2008	66593.2869	53227.8161	57761.2845	64212.3639	80503.2368	85757.433	87904.5302	156668.35	123191.789
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252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238292.214	254025.99	241739.756
1445.4425	1415.45543	1124.93384	711.238407	725.51412	1168.36732	1192.21455	1134.93433	995.3398	1059.0635	1051.03132
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.0636	7688.92354
172423.19	132502.534	114865.661	98021.7132	94695.34	107654.791	125520.546	144719.418	156826.747	270458.71	222029.664
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.0636	7688.92354
23.072416	21.043422	17.141521	13.587322	13.320759	16.833867	18.766497	19.288503	19.686013	21.859856	20.449264
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-80088.721	-112823.36	-89049.882	-60380.383	-60599.134	-92600.899	-84330.937	-85310.264	-82075.757	1854.6935	-19710.092
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8011.8975	8094.1578	7688.92354
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238292.214	254025.99	241739.756
80088.721	112823.365	89049.8822	60380.3827	60599.1344	92600.8994	84330.9367	85310.2641	82075.7566	-1854.6935	19710.0917
80088.721	112823.365	89049.8822	60380.3827	60599.1344	92600.8994	84330.9367	85310.2641	82075.7566	-1854.6935	19710.0917
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.396	86889.1949
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.02	241739.756
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8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.0636	7688.92354
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.02	241739.756
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.02	241739.756
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.0636	7688.92354
172423.19	132502.534	114865.661	98021.7132	94695.34	107654.791	125520.546	144719.418	156826.747	270458.71	222029.664
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258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	243848.742	256399.52	243868.25
1477.1662	1447.74046	1152.81841	726.687301	741.542334	1196.20801	1221.21305	1161.30528	1018.62386	1068.9605	1060.26998
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.1689	8638.62027
193573.86	148850.537	129194.448	110064.829	106317.547	121020.838	141169.381	162620.003	176231.517	303906.45	249456.836

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9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9004.38429	9095.5111	8638.62027
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	243848.742	256399.52	243868.25
64501.53	102075.631	79743.6758	51792.291	52411.5031	83995.8634	73759.5039	72749.8015	68242.7994	-32688.719	-5588.5862
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					0.02	0.03				
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.396	86889.1949
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.73	243868.25
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.73	243868.25
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.1689	8638.62027
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.73	243868.25
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.73	243868.25
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.1689	8638.62027
193573.86	148850.537	129194.448	110064.829	106317.547	121020.838	141169.381	162620.003	176231.517	303906.45	249456.836
-64501.53	-102075.63	-79743.676	-51792.291	-52411.503	-83995.863	-73759.504	-72749.801	-68242.799	32688.719	5588.58617
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.73	243868.25
4112.9285	4236.84858	4099.05088	3049.42229	3395.31645	3988.93036	4352.22428	4431.22595	4477.32523	4943.0439	4139.68548
85192.04	67938.145	67936.5478	53412.8312	59272.4698	63730.9879	78539.5844	83335.4837	85997.1179	155064.98	119912.063
		0.267893			0.67967					
		0.092097			0.024399					
		0.109712			0.034883					
				11.971304	2.046765	10.303985				
				0.239426	0.020467	0.103039				
4112.9285	4236.84858	4099.05088	3049.42229	3395.31645	3988.93036	4352.22428	4431.22595	4477.32523	4943.0439	4139.68548
11.176436	10.808287	10.247627	7.779138	8.661521	9.972325	11.575064	11.050438	10.973836	12.609805	11.009801
85192.04	67938.145	67936.5478	53412.8312	59272.4698	63730.9879	78539.5844	83335.4837	85997.1179	155064.98	119912.063
85192.04	67938.145	67936.5478	53412.8312	59272.4698	63730.9879	78539.5844	83335.4837	85997.1179	155064.98	119912.063
4112.9285	4236.84858	4098.94116	3049.42229	3395.31645	3988.89548	4352.22428	4431.22595	4477.32523	4943.0439	4139.68548
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-85192.04	-67938.145	-67936.816	-53412.831	-59272.47	-63731.668	-78539.584	-83335.484	-85997.118	-155064.98	-119912.06
				0.05	0.01	0.01				
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	67611.1355	65829.095	81597.9469	95893.3327	92536.925	86889.1949
4112.9285	4236.84858	4099.05088	3049.42229	3395.31645	3988.93036	4352.22428	4431.22595	4477.32523	4943.0439	4139.68548
4112.9285	4236.84858	4099.05088	3049.42229	3395.31645	3988.93036	4352.22428	4431.22595	4477.32523	4943.0439	4139.68548
85192.04	67938.145	67936.5478	53412.8312	59272.4698	63730.9879	78539.5844	83335.4837	85997.1179	155064.98	119912.063
85192.04	67938.145	67936.5478	53412.8312	59272.4698	63730.9879	78539.5844	83335.4837	85997.1179	155064.98	119912.063
3961.7894	4155.30098	3779.19589	2841.74497	2940.6559	3765.67374	4270.23302	4446.21023	4193.10753	4674.7583	4009.04245
82284.558	66976.7061	63624.6709	50511.3845	52413.1047	60959.6826	77429.5803	83593.7291	81452.3315	148016.29	116674.119
3961.7894	4155.30098	3779.19589	2841.74497	2940.6559	3765.67374	4270.23302	4446.21023	4193.10753	4674.7583	4009.04245
10.765732	10.600257	9.447989	7.249349	7.501673	9.414184	11.357002	11.087806	10.277224	11.925403	10.662346
82284.558	66976.7061	63624.6709	50511.3845	52413.1047	60959.6826	77429.5803	83593.7291	81452.3315	148016.29	116674.119
82284.558	66976.7061	63624.6709	50511.3845	52413.1047	60959.6826	77429.5803	83593.7291	81452.3315	148016.29	116674.119
3961.7894	4155.30098	3779.19589	2841.74497	2940.6559	3765.67374	4270.23302	4446.21023	4193.10753	4674.7583	4009.04245
-82284.558	-66976.706	-63624.671	-50511.385	-52413.105	-60959.683	-77429.58	-83593.729	-81452.331	-148016.29	-116674.12
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64667.472	68238.1557	74464.4505	82312.0216	85041.5154	66556.3235	65518.8867	81597.9469	95168.9141	94502.396	86889.1949
3961.7894	4155.30098	3779.19589	2841.74497	2940.6559	3765.67374	4270.23302	4446.21023	4193.10753	4674.7583	4009.04245
3961.7894	4155.30098	3779.19589	2841.74497	2940.6559	3765.67374	4270.23302	4446.21023	4193.10753	4674.7583	4009.04245
82284.558	66976.7061	63624.6709	50511.3845	52413.1047	60959.6826	77429.5803	83593.7291	81452.3315	148016.29	116674.119
82284.558	66976.7061	63624.6709	50511.3845	52413.1047	60959.6826	77429.5803	83593.7291	81452.3315	148016.29	116674.119
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.13	179694.226
1198.3406	952.035469	1147.43278	923.737605	922.770617	932.0256	725.064355	746.296585	770.968318	768.47991	781.75806
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.6348	3507.59761
80704.163	50748.5732	67644.8941	72940.2841	70105.2469	48810.9052	43444.0947	54682.7525	69996.755	112851.22	100383.502
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.6348	3507.59761
11.064199	8.214026	10.178011	10.262936	9.866053	7.785064	6.596856	7.358799	8.845185	9.203149	9.328717

-127885.21	-114206.81	-140922.92	-133161.65	-128026.43	-110720.63	-83627.726	-96490.758	-114883.89	-71967.908	-79310.724
-127885.21	-114206.81	-140922.92	-133161.65	-128026.43	-110720.63	-83627.726	-96490.758	-114883.89	-71967.908	-79310.724
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.6348	3507.59761
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.13	179694.226
127885.21	114206.811	140922.919	133161.653	128026.426	110720.627	83627.726	96490.7576	114883.89	71967.908	79310.7239
127885.21	114206.811	140922.919	133161.653	128026.426	110720.627	83627.726	96490.7576	114883.89	71967.908	79310.7239
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	75865.1219	98298.264	94502.396	86889.1949
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.13	179694.226
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.13	179694.226
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.6348	3507.59761
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.13	179694.226
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.13	179694.226
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.6348	3507.59761
80704.163	50748.5732	67644.8941	72940.2841	70105.2469	48810.9052	43444.0947	54682.7525	69996.755	112851.22	100383.502
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208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.13	179694.226

296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	256330.997	296863.2	193987.536
1701.9392	1392.82571	1407.28202	931.013216	983.527836	1429.09052	1611.58439	1339.09826	1079.95775	1247.2719	847.844411
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.228	2848.56881
88657.922	56897.8877	61431.9378	53550.9602	55299.4214	57048.482	74300.5361	75122.9917	73656.3429	141112.24	81341.4371
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.228	2848.56881
12.108447	9.241925	9.519088	7.902715	8.058702	9.169237	11.287267	10.1549	9.484655	11.783744	7.57598
-207392.65	-183803.25	-191547.35	-152271.16	-154585.3	-186633.18	-207671.65	-195428.33	-183468.71	-173031.49	-112646.1
-207392.65	-183803.25	-191547.35	-152271.16	-154585.3	-186633.18	-207671.65	-195428.33	-183468.71	-173031.49	-112646.1
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3857.95483	4362.7838	2848.56881
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	256330.997	296863.2	193987.536
207392.65	183803.247	191547.348	152271.157	154585.303	186633.183	207671.649	195428.329	183468.713	173031.49	112646.099
207392.65	183803.247	191547.348	152271.157	154585.303	186633.183	207671.649	195428.329	183468.713	173031.49	112646.099
64667.472	68238.1557	74320.1588	87751.9685	85041.5154	69655.3663	66689.2037	81597.9469	97649.2643	93865.892	85366.5491
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.73	193987.536
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.73	193987.536
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.228	2848.56881
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.73	193987.536
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.73	193987.536

4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.228	2848.56881
88657.922	56897.8877	61431.9378	53550.9602	55299.4214	57048.482	74300.5361	75122.9917	73656.3429	141112.24	81341.4371
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296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.73	193987.536
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	923352.598	992107.84	859289.768
5822.8886	5208.05707	4832.46705	3292.67653	3373.35491	4725.69146	4750.07634	4381.63447	3864.88973	4143.7758	3740.90378
38792.918	37084.786	34336.5961	27363.7754	27741.1816	32841.6008	34798.5462	36890.9326	37772.6985	41029.03	35080.2651
789292.61	593359.583	571291.447	491729.818	495864.415	523438.05	620906.96	689831.811	732065.342	1288078.2	1012989.41
277.83892	25.355235	75.661578			163.944162	5.852464				
0.426584	0.094631	0.300152			0.366581	0.032593				
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20.371075	15.754768	15.675736	15.692825	16.365813	17.699561	16.139743	18.732527	18.955501	49.710432	36.236188
2.85195	10.083051	3.291904	0.470784	1.309265	3.893903	4.841923	1.685927	1.705995	1.491312	0.724723
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38776.457	37082.9557	34329.3432	27363.7754	27741.1816	32829.9615	34798.1544	36890.9326	37718.4032	39764.023	35080.2651
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	923352.598	992107.84	859289.768
225934.64	308549.001	303109.32	240453.452	226175.507	285047.539	212917.414	197292.507	193317.179	-249293.64	-153699.64
225656.8	308523.646	303033.658	240453.452	226175.507	284883.594	212911.562	197292.507	193317.179	-249293.64	-153699.64
0.63	11.03	2.8	0.29	0.64	2.33	4.52	0.89	0.91	0.11	0.1
452672.3	477667.09	521106.862	608776.018	592012.134	480987.845	464132.385	565452.803	681904.567	656956.36	604964.265
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.6	859289.768
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.6	859289.768
38792.918	37084.786	34336.5961	27363.7754	27741.1816	32841.6008	34798.5462	36890.9326	37772.6985	41029.03	35080.2651
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.6	859289.768
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.6	859289.768
38792.918	37084.786	34336.5961	27363.7754	27741.1816	32841.6008	34798.5462	36890.9326	37772.6985	41029.03	35080.2651
789292.61	593359.583	571291.447	491729.818	495864.415	523438.05	620906.96	689831.811	732065.342	1288078.2	1012989.41
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1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.6	859289.768
	0.03									

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437384.86	295022.04	358238.287	430556.318	413709.566	377684.069	175811.493	427569.695	440963.471	672135.03	609430.137
444686.46	305246.632	370903.54	452069.118	424914.348	392840.072	175625.697	425474.976	438447.799	767278.71	689201.41
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585995.16	416897.114	489020.741	569347.571	552514.957	499376.961	209516.065	577431.619	598518.357	862790.58	782156.617
24.978569	475.849921	445.645638	2552.79052	1070.93406	970.233822	54.485913	12.929594	3.040996	2199.6985	1775.53869
129341.3	117030.738	133228.68	138798.202	138353.044	130671.169	92586.879	141485.112	142488.493	138906.24	132431.526
351.47092	298.547801	333.0717	354.077045	352.941438	326.677922	246.241699	352.830703	349.236502	354.35264	352.211505
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	138029.6
367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.1	367.099999
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117.74881	93.621643	136.74013	168.378656	131.664531	131.70761	60.073412	91.711081	86.443141	189.24788	200.88058
27.245567	28.597312	28.211317	27.832149	27.809536	27.861774	25.517922	27.46262	27.333647	27.403113	27.448973
1111273	796997.04	938737.718	1103640.87	1057229.14	971047.98	433015.625	1077429.73	1120396.28	1751769.4	1578778.14
952149.12	548022.983	669340.975	889127.427	803761.951	718524.848	320935.831	827071.777	886512.854	2326467.1	1962476.42
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.396	86889.1949
-159123.91	-248974.06	-269396.74	-214513.44	-253467.19	-252523.13	-112079.79	-250357.96	-233883.43	574697.65	383698.274
1741441.7	1141382.57	1240632.42	1380857.25	1299626.37	1241962.9	941842.791	1516903.59	1618578.2	3614545.3	2975465.83
1441.5	1137.72	1497.84	1933.98	1727.38	1392.13	1047.89	1426.15	1369.19	1847.69	1808.97
485266.28	180685.987	151157.68	67984.0443	76783.5719	245121.638	37990.3036	186414.259	84458.706	537362.94	471823.267
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
58186.934	141419.606	200931.32	407595.097	371523.633	140738.955	288818.609	211249.772	413095.288	161352.82	169287.236
117.72	249.27	270.25	337.07	328.44	235.58	315.55	265.36	335.83	155.93	168.58
92.614419	118.169455	144.457807	182.869634	174.996309	139.370534	136.381814	135.256738	169.435772	146.49193	143.019408

1.983795	3.01833	3.178037	4.909819	4.610721	3.196171	3.993125	4.055192	5.875381	3.47354	3.749695
3,708	10,725	13,236	25,105	23,086	11,756	17,856	13,236	24,048	9,048	10,354
477488.89	174645.278	139377.01	77282.3274	82890.7559	236090.12	39158.523	186357.142	89243.2915	724063.17	628659.61
8.916355	5.607432	6.080668	5.625835	5.190544	7.204026	2.572205	6.596375	4.057433	9.77026	9.937118
17,385	6,196	5,026	2,052	2,501	8,478	1,530	6,628	3,012	17,234	15,252
23.934015	19.820135	21.922659	24.951853	22.361211	21.140101	19.13868	20.819647	20.143767	30.057149	28.462861
19.790316	16.668429	18.080211	24.744126	22.025685	17.091059	18.560855	19.688642	19.931863	29.805204	28.203264
13676.68	-4528.9397	-8209.2444	-23053.135	-20584.768	-3278.2347	-16325.486	-6607.8963	-20981.765	9451.6403	4898.20218
37.164891	-11.553417	-20.523111	-58.809017	-52.512162	-8.195586	-43.418844	-16.478544	-51.425895	24.111327	13.027133
-4945803.1	-5019725.9	-5329774.9	-5594910.7	-5489739.6	-5149624.1	-4685415	-5486650.3	-5938458.4	-5789196.8	-5415184.6
-76.497363	-73.569002	-71.6149	-63.067001	-64.580793	-73.709597	-70.271921	-67.253961	-60.434028	-61.274441	-62.341485
-4945803.1	-5019725.9	-5329774.9	-5594910.7	-5489739.6	-5149624.1	-4685415	-5486650.3	-5938458.4	-5789196.8	-5415184.6
60959.193	57513.2224	61228.7596	63663.5287	61955.2671	58147.1272	48833.2715	68362.1536	74250.2611	85454.565	76535.5726
1605271.3	1478304.16	1622020.17	1731852.88	1665732.53	1495613.18	1192095.41	1745330.15	1918911.84	2170378.1	1933864.97
4719002.9	4868710.8	5145790.21	5374870.8	5276350.13	4956625.95	4593625.38	5263373.82	5707989.69	5454579.3	5111592.47
4299700.9	4835485.13	5207344.52	5705183.57	5564983.01	4861274.78	4843285.47	5288266.45	6031841.68	4891869	4652220.1
0.000494	0.11294	0.045227		0.000231	0.030909	0.090667	0.000227	0.010472		
691789.73	654250.777	766551.721	944763.486	908567.387	719561.922	647975.748	866852.952	1034950	1023602.9	940341.513
3.86	3.13	4.34	3.76	3.73	4.77	3.59	3.58	4.54	5.18	4.35
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.663	32915.9064
6687244.8	6161108.51	6570407.34	6975767.95	6789365.93	6391586.96	5627257.78	7003553.92	7557036.64	9403742.1	8390650.47
3682335	2960226.29	3304201	3774885.73	3588483.71	3125380.61	2557023.82	3737347.58	4225365.67	6147786.2	5267590.68
1030681.6	722143.746	859924.281	1021416.69	977429.305	892217.033	385141.762	1002906.59	1036966.16	1630069.3	1471358.03
78344.152	63709.216	66255.2061	65715.0334	64456.7476	66625.0808	50363.7182	74990.0506	77316.4985	103954.04	91787.3971
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.663	32915.9064
3682335	2960226.29	3304201	3774885.73	3588483.71	3125380.61	2557023.82	3737347.58	4225365.67	6147786.2	5267590.68
44585.543	34859.1795	38775.0214	46108.6455	42965.9101	39843.8984	11101.2866	41697.9165	43043.9961	84695.474	74504.2085
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.6	859289.768
38792.918	37084.786	34336.5961	27363.7754	27741.1816	32841.6008	34798.5462	36890.9326	37772.6985	41029.03	35080.2651
789292.61	593359.583	571291.447	491729.818	495864.415	523438.05	620906.96	689831.811	732065.342	1288078.2	1012989.41
-225934.64	-308549	-303109.32	-240453.45	-226175.51	-285047.54	-212917.41	-197292.51	-193317.18	249293.64	153699.642
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.6	859289.768

2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01
3255956	3056611.7	3521748.28	3056611.7	3123059.79	3388852.12	3189507.9	3255956	3322404.04	3256145.35	3602050.75
-3255956	-3056611.7	-3521748.3	-3056612	-3123059.8	-3388852.1	-3189508	-3255956	-3322404	-3256145.3	-3602050.7
-3255956	-3056611.7	-3521748.3	-3056612	-3123059.8	-3388852.1	-3189508	-3255956	-3322404	-3256145.3	-3602050.7
3255956	3056611.7	3521748.28	3056611.7	3123059.79	3388852.12	3189507.9	3255956	3322404.04	3256145.35	3602050.75
3255956	3056611.7	3521748.28	3056611.7	3123059.79	3388852.12	3189507.9	3255956	3322404.04	3256145.35	3602050.75
3255956	3056611.7	3521748.28	3056611.7	3123059.79	3388852.12	3189507.9	3255956	3322404.04	3256145.35	3602050.75
23.60004	22.289948	17.639935	18.420124	20.379981	19.970019	17.580032	19.48999	20.499953	21.400088	33.389068
0	0	0	0	0	0	0	0	0	0	21.11
23.478148	22.168094	17.518086	18.298198	20.258113	19.848136	17.458144	19.368119	20.378097	21.278177	33.263509
23.571911	22.261828	17.611816	18.391987	20.351858	19.941892	17.551904	19.461866	20.471832	21.371955	33.360093
22.868692	21.558823	16.908843	17.688571	19.648776	19.238722	16.848703	18.758764	19.768816	20.668622	32.635713
23.140603	21.830652	17.180659	17.960558	19.920634	19.510614	17.120607	19.03063	20.040649	20.940577	32.915807
$ 23.55	$ 22.24	$ 17.59	$ 18.37	$ 20.33	$ 19.92	$ 17.53	$ 19.44	$ 20.45	$ 21.35	$ 33.34
$ 23.59	$ 22.28	$ 17.63	$ 18.41	$ 20.37	$ 19.96	$ 17.57	$ 19.48	$ 20.49	$ 21.39	$ 33.38

19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.450905
1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.03
23.3	21.99	17.34	18.12	20.08	19.67	17.28	19.19	20.2	21.1	33.08
4.307969	3.907202	3.690458	3.697729	3.721525	3.720869	3.706986	3.763385	4.364653	4.87507	5.011922
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
0.029795	0.035625	0.026438	0.026331	0.026037	0.033676	0.031536	0.025943	0.029725	0.027142	0.032995
8557.2	7985.025	9287.775	8061.975	8239.725	8870.85	8367.525	8591.175	8732.475	8580.6	9225.225
21.885421	21.698437	21.905129	21.90754	21.914162	21.742279	21.790429	21.916262	21.776745	21.889285	21.757606
8820	8280	9540	8280	8460	9180	8640	8820	9000	8820	9540
22.557544	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5

2.24	7.77	2	2.64	9.84						6.74

5.55721	5.55721	3.10827	3.7676	6.875869	4.89788	3.67341	0.84771	1.60123	0.28257	7.5352
0.023676	0.026399	0.016501	0.01593	0.035688	0.021567	0.01709	0.001133	0.00153	0.000103	0.117272
0.022857	0.02538	0.016297	0.015407	0.034707	0.020833	0.016588	0.001122	0.001475	0.000102	0.113867
898.57234	184.36633	1684.27338	1810.276	11675.0731	6803.69548	1619.4657	20.956014	51.760014	2.947674	11123.3929
4.253703	1.00404	8.933385	7.301926	42.657743	24.881457	7.767446	0.101266	0.219531	0.011487	42.758212
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24

0.032321	0.034456	0.027452	0.036467	0.026409	0.0325	0.030572	0.026505	0.02945	0.029311	0.027405
4894.8659	5102.4607	3774.94682	3097.5323	7129.2411	4643.567	3479.9437	240.37288	322.31818	21.85208	26375.4606
19465.346	20595.88	13436.0368	12081.421	27684.4692	18007.6875	12717.75	821.35401	1324.60535	106.552084	105446.969
2.296897	2.331374	1.195097	1.540939	2.770677	1.96373	1.42275	0.319101	0.707156	0.144662	3.199687
243.20046	37.47651	388.92294	383.06327	2490.21395	1470.83717	374.18203	4.997672	10.014603	0.504498	2299.29658
22001.14	20608.56	23916.88	20565.64	21232.06	22894.92	21591.08	22133.38	22516.76	22069.58	23918.04
56.2689	56.001521	56.407735	55.884891	56.468244	56.115	56.22677	56.462704	56.151521	56.299948	56.410471
22736	21344	24592	21344	21808	23664	22272	22736	23200	22736	24592
58.148337	58	58	58	58	58	58	58	57.855361	58	58
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
26.330807	26.690487	13.978566	17.609403	31.791549	22.564366	16.462101	3.722067	7.983556	1.658473	36.495781
26.330807	26.690487	13.978566	17.609403	31.791549	22.564366	16.462101	3.722067	7.983556	1.658473	36.495781
23523.71	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.041	1022.7416	1587.96595	128.110684	127526.431
26725.818	28580.022	19043.3957	17499.284	41182.9724	25464.551	19049.107	1082.3676	1702.55284	132.99554	149895.073
3202.108	3770.634	2545.6085	2885.3739	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
26725.818	28580.022	19043.3957	17499.284	41182.9724	25464.551	19049.107	1082.3676	1702.55284	132.99554	149895.073
193.46	157.3	126.95	147.56	248.79	223.51	109.2	152.47	133.53	113.22	282.01
22625.138	24625.022	14813.5138	12803.634	21830.1312	15012.446	13930.575	1001.7856	1536.20594	125.163009	116403.038
25686.496	28356.4	17080.8841	15331.035	26745.0953	17452.3603	17010.495	1060.6682	1641.18081	129.752998	136477.717
32.762097	33.942743	17.909241	21.242128	31.36298	23.314491	21.168405	5.146687	9.763353	1.713219	44.391072
493.8598	537.74118	359.48868	288.19079	492.518011	336.843596	329.7337	24.989405	33.156765	2.266438	2556.1274
44.580819	46.954654	41.570719	44.774616	44.355328	44.478249	43.00941	40.880641	54.046176	55.033157	48.567165
11.505032	4.225918	7.066991	11.632982	30.065674	19.954904	8.979145	0.817612	0.540461	0.550331	35.903558
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
1.329104	1.472065	0.945235	0.893641	2.013031	1.208333	0.962135	0.065102	0.085336	0.005918	6.604339
3202.108	3770.634	2545.6085	2885.3739	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
3202.108	3770.634	2545.6085	2885.3739	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
25.820199	3.97882	41.291319	40.669207	264.381988	156.156403	39.726301	0.530594	1.063234	0.053561	244.112599
898.57234	184.36633	1684.27338	1810.276	11675.0731	6803.69548	1619.4657	20.956014	51.760014	2.947674	11123.3929
7.27	7.44	4.89	3.69	6.92	5.41	3.85	0.44	0.56	0.04	32.44
-3202.108	-3770.634	-2545.6085	-2885.374	-7677.7681	-3648.4095	-3499.067	-59.625988	-114.58689	-4.884856	-22368.642
-28888.604	-32127.034	-19626.493	-18216.41	-34422.863	-21100.77	-20509.56	-1120.2941	-1755.7677	-134.63785	-158846.36
0.05	0.01	0.17	0.24	1.26	1.03	0.27		0.01		1.29
1903.9896	1738.0067	1290.3496	1283.6638	3454.1581	2191.6417	1293.2841	86.1975	131.0083	10.5793	12200.0645
0.3	0.27	0.06	0.1	0.21	0.18	0.08	0.02	0.01	0.01	1.07

119.19	107.271	23.838	39.73	83.433	71.514	31.784	7.946	3.973	3.973	433.6068
23523.71	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.041	1022.7416	1587.96595	128.110684	127526.431
23523.71	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.041	1022.7416	1587.96595	128.110684	127526.431
19465.346	20595.88	13436.0368	12081.421	27684.4692	18007.6875	12717.75	821.35401	1324.60535	106.552084	105446.969
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
119.19	107.271	23.838	39.73	83.433	71.514	31.784	7.946	3.973	3.973	433.6068
23523.71	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.041	1022.7416	1587.96595	128.110684	127526.431
3939.1744	4106.2376	3037.9124	2492.7588	5737.302	3736.94	2800.5068	193.4416	259.3876	17.5856	21645.8552

11.046984	11.112282	11.284003	11.296532	11.215004	11.236195	11.292489	11.326168	11.232178	11.180647	10.810755
0.588153	0.553214	0.480824	0.4712	0.500477	0.493562	0.475759	0.464833	0.493482	0.520418	0.768524
0.568472	0.532121	0.462186	0.453655	0.484535	0.479039	0.457497	0.446914	0.475239	0.504922	0.747639
375684.82	228694.33	430044.666	387051.87	558580.359	582849.691	376511.09	342379.37	434891.256	554396.731	620332.641
1838.5077	1264.4885	2410.01766	2036.4846	2421.92938	2624.31079	2111.9899	1873.42	2085.80118	2264.78347	2486.0284
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
0.034438	0.039402	0.039929	0.037744	0.032898	0.030367	0.039348	0.038775	0.0383	0.030382	0.028066
272241.88	240611.62	244756.677	209039.63	226481.735	243420.778	219705.76	219871.02	236693.738	245117.156	377982.099
276299.68	244186.53	247000.57	211705.09	229388.922	246750.757	221519.05	223017.67	239978.744	249295.386	389616.86
2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.618499
418354.1	369747.87	376117.585	321231.19	348034.482	374064.71	337621.84	337875.79	363727.267	376671.533	600424.565
42013.5	39238.5	45184.77	39306.21	40362.93	43912.71	40946.79	41824.8	42699.48	42189.99	45743.1
107.45141	106.62636	106.567853	106.81035	107.348218	107.629191	106.63227	106.69592	106.482493	107.627525	107.884669
43512	40848	47064	40848	41736	45288	42624	43512	44400	43512	47064
111.28389	111	111	111	111	111	111	111	110.723192	111	111
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
29.884243	30.112591	30.619218	30.646432	30.348775	30.404765	30.611064	30.666292	30.449148	30.22372	30.004285
29.589072	29.754802	30.199018	30.22555	30.017035	30.070025	30.221223	30.297449	30.059769	29.923671	29.78624
737354.15	652715.41	663224.897	567420.64	613152.172	659306.298	594657.72	596101.36	642018.733	664247.172	1048836.36
686696.72	568436.53	450866.814	394650.3	487995.528	502831.143	402665.44	416427.01	487090.765	530118.504	1330533.03
-50657.437	-84278.887	-212358.08	-172770.3	-125156.64	-156475.15	-191992.3	-179674.35	-154927.97	-134128.67	281696.667
686696.72	568436.53	450866.814	394650.3	487995.528	502831.143	402665.44	416427.01	487090.765	530118.504	1330533.03
378.5	353.5	407.07	354.11	363.63	395.61	368.89	376.8	384.68	380.09	412.1
355082.6	416974.8	224831.92	172939.54	48368.0238	69640.0967	211100.35	246905.48	199621.657	103646.651	421785.398
405698.68	425951.99	201458.815	152931.83	54106.227	74729.6889	187096.1	217055.33	201194.191	111321.298	597722.343

55.706688	56.003696	39.953352	37.048433	30.0331	31.774357	39.627884	41.465642	45.340348	40.249593	53.002157
12273.586	14243.705	7653.98459	5842.2411	1674.28123	2394.41094	7185.5547	8301.3845	6839.67691	3579.77684	14440.4816
23.014203	24.135827	20.39695	21.348813	19.331388	19.551652	20.55756	22.471611	21.525896	21.121467	25.856905
20.465681	18.678019	16.180472	17.211571	18.850118	18.87778	16.266363	18.012311	19.28922	20.696165	25.562428
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
63.261805	59.065538	51.302712	50.355733	53.783478	53.173382	50.782239	49.60754	52.619995	56.046377	82.987976
-192958.27	-210046.58	-340292.4	-282035.3	-243538.65	-283711.2	-306832.5	-294600.93	-278647.79	-262251.41	84125.4238
-192958.27	-210046.58	-340292.4	-282035.3	-243538.65	-283711.2	-306832.5	-294600.93	-278647.79	-262251.41	84125.4238
12461.78	7492.4126	14098.3654	12688.669	18548.3068	19300.3291	12314.825	11144.771	14260.9411	18390.4032	20746.4204
375684.82	228694.33	430044.666	387051.87	558580.359	582849.691	376511.09	342379.37	434891.256	554396.731	620332.641
181.12	200.84	126.47	106.2	44.47	61.18	120.72	166.94	131.99	83.41	201.34
50657.437	84278.887	212358.083	172770.34	125156.645	156475.155	191992.28	179674.35	154927.968	134128.668	-281696.67
-355041.24	-341673.1	10899.2681	19838.507	71050.4176	81745.4657	4896.1782	-37380.981	-46266.222	22807.3698	-879419.01
164.23	97.16	214.81	191.78	292.51	310.88	188.13	174.38	229.09	287.05	153.9
74757.819	61239.28	70207.6435	64694.253	80811.3397	84954.6181	63145.016	66737.839	77663.6916	90508.4857	99512.1223
0.86	0.92	1.09	0.97	0.81	0.89	0.92	0.89	0.98	0.81	0.86
6586.74	7046.28	8348.31	7429.23	6203.79	6816.51	7046.28	6816.51	7505.82	6203.79	6718.32
879654.99	778483.11	791159.212	676685.65	731534.175	786542.339	709497.92	711027.95	765738.55	792369.909	1246407.6
879654.99	778483.11	791159.212	676685.65	731534.175	786542.339	709497.92	711027.95	765738.55	792369.909	1246407.6
694653.78	613934.4	623118.156	532936.28	577423.404	620815.467	559140.89	560893.47	603706.011	625966.919	990041.425
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
6586.74	7046.28	8348.31	7429.23	6203.79	6816.51	7046.28	6816.51	7505.82	6203.79	6718.32
879654.99	778483.11	791159.212	676685.65	731534.175	786542.339	709497.92	711027.95	765738.55	792369.909	1246407.6
36113.634	31734.732	31758.431	27055.129	29524.9785	31674.3204	28470.555	28391.388	30806.9023	32076.4628	52076.615
14.95	35.08	46.91	40.08	3.43	4.53	43	25.09	11.6	0.61	0.5

1158.51	1072.8	1230.6	1072.29	1081.8	1190.55	1114.56	1131.24	1162.29	1132.68	1231.86
2.962941	2.915217	2.902358	2.913831	2.877127	2.918014	2.9025	2.885816	2.898478	2.889489	2.90533
1176	1104	1272	1104	1128	1224	1152	1176	1200	1176	1272
3.007672	3	3	3	3	3	3	3	2.992518	3	3

11.467516	11.523147	11.840787	11.792088	11.660943	11.668914	11.846779	11.625157	11.569716	11.488706	11.317476
0.716398	0.691666	0.575148	0.585172	0.617128	0.619564	0.565778	0.63636	0.657898	0.672012	0.822498
0.684015	0.654815	0.351483	0.560712	0.591412	0.591065	0.493184	0.607304	0.626497	0.590955	0.786088
257410.58	216673.32	141792.974	202442.48	218592.048	237238.145	182352.25	229809.54	244277.537	224480.669	343315.86
1271.2652	1209.1198	796.517483	1068.227	946.796479	1069.28357	1034.9036	1263.5535	1172.71393	912.721806	1389.57967
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
0.046147	0.050896	0.050566	0.042391	0.042632	0.044166	0.053255	0.047066	0.046	0.046301	0.045495
131533.17	118668.97	75120.2777	104234.85	111368.657	120801.496	95524.573	118680.15	124427.917	114114.3	160791.87
133278.47	120140.19	75824.403	105521.63	112762.234	122453.418	96244.092	120310.67	126144.094	115887.125	165762.618
1.8787	1.8787	1.878699	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	2.0478
114262.87	103087.74	65256.9853	90548.811	96745.9521	104940.259	82982.196	103097.44	108090.531	99131.0925	163653.966
16078.13	14978.19	11137	15153.2	15478.71	16730.01	14364.15	16062.65	16367.95	14805.33	17402.53
41.120537	40.701603	26.266509	41.177173	41.166781	41.004926	37.40664	40.976147	40.81783	37.768698	41.043702
16856	15824	18232	15824	16168	17544	16512	16856	17200	16856	18232
43.109974	43	43	43	43	43	43	43	42.892768	43	43
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
22.965127	23.098647	24.389857	23.636189	23.35454	23.367416	24.414225	23.332068	23.13474	23.352873	24.542875
22.489272	22.594243	23.19732	23.10248	22.85153	22.865436	23.21202	22.78291	22.68002	22.523899	24.143656
263457.55	238072.47	154064.314	209007.84	223214.03	242207.793	195600.39	238247.49	249055.685	232247.746	348148.947
300656.45	256927.06	130446.179	186596.39	221200.69	232000.492	168027.15	216801.43	242009.536	233352.191	517711.085
37198.899	18854.595	-23618.135	-22411.45	-2013.3402	-10207.301	-27573.23	-21446.054	-7046.1489	1104.44473	169562.137
300656.45	256927.06	130446.179	186596.39	221200.69	232000.492	168027.15	216801.43	242009.536	233352.191	517711.085
373.91	348.33	259	352.4	359.97	389.07	334.05	373.55	380.65	344.31	404.71
1084.0254	16398.314	5376.25129	2057.0359		6.700372	4610.3317	3323.4585	194.050777	0.631781	2.734657
1282.3191	19790.798	5666.76201	1655.4497		6.642149	3938.5895	3488.6822	200.314357	0.664264	1.942315
5.455033	14.388546	10.42037	8.677316		0.227022	10.692204	9.726387	2.545299	0.027931	0.097135
49.25008	744.02001	242.948144	89.354573		0.311404	203.12093	150.50918	8.799041	0.027931	0.097135
21.864922	22.126363	22.230813	22.837551	19.12481	19.108956	22.650971	21.522484	21.514658	19.993302	26.249151
17.650055	19.60713	16.730857	15.823426	4.207458	7.05666	15.723056	19.654956	13.930026	4.598459	9.112682
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
29.487877	28.157065	15.113797	24.110625	25.430744	25.415808	21.206953	26.114081	26.872194	25.411071	33.801816
-31553.49	-43173.676	-62883.504	-76895	-60225.737	-73350.243	-77503.93	-83480.166	-72084.621	-58543.1	85516.2268
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11480.51	9617.78	6165.30186	8783.3554	9561.96	10369.3386	7940.3491	10086.211	10766.951	9961.11207	14331.8729
257410.58	216673.32	141792.974	202442.48	218592.048	237238.145	182352.25	229809.54	244277.537	224480.669	343315.86
0.02	0.72	0.18				0.28	0.22	0.04		
-37198.899	-18854.595	23618.1346	22411.448	2013.34019	10207.3011	27573.234	21446.054	7046.14888	-1104.4447	-169562.14
-38481.218	-38645.393	17951.3726	20755.998	2013.34019	10200.6589	23634.645	17957.372	6845.83452	-1105.109	-169564.08
2.76	3.5	2.58	2.59	2.55	3.81	2.3	4.54	3.83	3.07	2.68
	0.002717	0.356132			0.00245	0.080729		0.0025	0.079081	
72906.489	59486.906	42921.51	63952.427	79106.7638	82924.4264	54303.551	65241.096	76311.0293	78629.7253	96819.143
1.31	1.32	1.82	1.19	1.22	1.31	2.28	1.35	1.21	2.05	1.25
4962.9481	5000.8332	6895.0882	4508.3269	4621.9822	4962.9481	8637.8028	5114.4885	4584.0971	7766.4455	4830.3525
332209.94	300100.74	193329.683	263491.39	281426.427	305350.735	245531.08	300281.6	314094.157	291895.291	432194.858
332209.94	300100.74	193329.683	263491.39	281426.427	305350.735	245531.08	300281.6	314094.157	291895.291	432194.858
247541.33	223227.92	141081.388	196070.44	209508.186	227393.678	179226.29	223408.12	234234.625	215018.217	329416.584
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
4962.9481	5000.8332	6895.0882	4508.3269	4621.9822	4962.9481	8637.8028	5114.4885	4584.0971	7766.4455	4830.3525
332209.94	300100.74	193329.683	263491.39	281426.427	305350.735	245531.08	300281.6	314094.157	291895.291	432194.858
10953.272	9843.71	6087.8375	8429.0745	9083.862	9851.1675	7736.2965	9724.884	10236.9625	9463.083	13902.0109
	0.05	0.03	0.01			0.03				
0.0325	0.026603	0.020849	0.043858	0.039946	0.022009	0.028437	0.023061	0.03495	0.02079	0.027523
1137.78	1074.63	1245.48	1055.58	1082.94	1197.06	1119.24	1148.88	1158.06	1151.55	1236.99
2.909923	2.92019	2.937452	2.868423	2.880159	2.93397	2.914687	2.930816	2.88793	2.937627	2.917429
1176	1104	1272	1104	1128	1224	1152	1176	1200	1176	1272
3.007672	3	3	3	3	3	3	3	2.992518	3	3

4.380787	3.367072	2.246386	3.10005	7.332652	3.942877	3.244685	0.14	9.849246
0.003263	0.004314	0.003659	0.004416	0.01127	0.004444	0.005626	0.00004	0.028896
0.003158	0.00419	0.003528	0.004184	0.011031	0.004338	0.005322	0.00004	0.028301
96.968856		72.290038	147.53511	1142.56043	750.604382	122.93245		1233.41322

0.47641		0.390453	0.552577	4.064231	2.639735	0.589525				4.645932
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
0.026224	0.033029	0.028761	0.028288	0.029321	0.028676	0.03427	0.029426	0.026462	0.035153	0.026167
873.5	1085.1	1052	1089.4	2936.6	1250.1	1453		11.2		8464.8
2983.7891	4331.9192	3635.8509	4309.8513	11440.5646	4952.71184	5194.5335		40.367809		28999.5014
1.114316	0.958661	0.56527	0.83308	2.002067	1.069695	0.851719		0.036042		2.474521
53.991877		20.448424	38.212522	288.764875	195.01582	34.898682				361.121322
19058.1	17786.1	20669	17888.8	18287.3	19822.8	18432.2	19061.2	19519.5	18922.4	20621.7
48.741943	48.331793	48.747641	48.610869	48.636436	48.585294	48.00052	48.62551	48.677057	48.271428	48.636084
19600	18400	21200	18400	18800	20400	19200	19600	20000	19600	21200
50.127877	50	50	50	50	50	50	50	49.875311	50	50
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
18.280162	16.875989	10.977836	18.058107	45.750894	25.266254	20.219995		0.504597		49.173864
15.818574	13.474262	7.945832	12.007812	28.289981	15.190269	12.081381		0.504597		35.355448
2999.2751	4342.6392	3641.9129	4348.2943	11469.4476	4965.37584	5224.1955		40.367809		29354.4834
3349.3889	4764.881	4025.45901	4918.043	13279.6378	5596.58612	6187.0626		42.173006		33572.4521
350.11383	422.24182	383.546116	569.7487	1810.19019	631.210283	962.86706		1.805196		4217.96875
3349.3889	4764.881	4025.45901	4918.043	13279.6378	5596.58612	6187.0626		42.173006		33572.4521
221.61	149.95	198.77	218.17	385.06	322.72	166.73	123.51	93.17	65.26	303.63
2902.3062	4342.6392	3569.62286	4200.7592	10326.8871	4214.77146	5101.2631		40.367809		28121.0702
3240.1143	4764.881	3949.85235	4767.5549	11900.4419	4753.71402	6036.1711		42.173006		32053.0104
6.166109	5.05	3.399016	4.394344	10.66279	5.683613	5.013894		0.4		14.657102
58.043437	77.1	73.339398	74.270534	186.883783	74.591727	99.750094		0.8		574.367249
30.814391		50.124807	57.003386	55.614009	55.031018	61.986116				51.996003
0.616287		1.002496	2.280135	13.347362	8.804962	1.239722				11.95908
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
0.158312	0.20951	0.176415	0.209239	0.551595	0.216911	0.266145		0.001995		1.415094
350.11383	422.24182	383.546116	569.7487	1810.19019	631.210283	962.86706		1.805196		4217.96875
350.11383	422.24182	383.546116	569.7487	1810.19019	631.210283	962.86706		1.805196		4217.96875
3.856562		1.460601	2.729465	20.516216	13.908272	2.449905				25.63275
96.968856		72.290038	147.53511	1142.56043	750.604382	122.93245				1233.41322
1	1.16	1	1.05	2.63	1.11	1.32		0.01		8.05
-350.11383	-422.24182	-383.54612	-569.7487	-1810.1902	-631.21028	-962.8671		-1.805196		-4217.9688
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		0.01	0.02	0.08	0.13	0.02				0.14

368.5069	386.9871	371.7878	503.8366	1599.7649	662.2043	635.6778	4.4321			4217.4591
0.03	0.02	0.01	0.07	0.03	0.02	0.05				0.62
13.002	8.668	4.334	34.339	17.003	8.668	21.67				331.222
2999.2751	4342.6392	3641.9129	4348.2943	11469.4476	4965.37584	5224.1955	40.367809			29354.4834
2999.2751	4342.6392	3641.9129	4348.2943	11469.4476	4965.37584	5224.1955	40.367809			29354.4834
2983.7891	4331.9192	3635.8509	4309.8513	11440.5646	4952.71184	5194.5335	40.367809			28999.5014
61.9	77.1	74.8	77	207.4	88.5	102.2	0.8			600
13.002	8.668	4.334	34.339	17.003	8.668	21.67				331.222
2999.2751	4342.6392	3641.9129	4348.2943	11469.4476	4965.37584	5224.1955	40.367809			29354.4834
2.484	2.052	1.728	4.104	11.88	3.996	7.992				23.76

0.025918	0.020869	0.029787	0.034755	0.037978	0.036691	0.025598	0.026479	0.030025	0.034311	0.030707

1527.36	1441.28	1645.48	1420.84	1446.88	1572.12	1496.68	1526.48	1551.96	1514.2	1643.92
3.906291	3.916521	3.880849	3.860978	3.848085	3.853235	3.897604	3.894081	3.870224	3.862755	3.877169
1568	1472	1696	1472	1504	1632	1536	1568	1600	1568	1696
4.01023	4	4	4	4	4	4	4	3.990024	4	4

10.376217	10.430862	10.698545	10.646836	10.538186	10.5437	10.692099	10.570466	10.500479	10.455863	10.221934
0.519981	0.492043	0.335689	0.364263	0.396787	0.393236	0.36445	0.388602	0.421245	0.452689	0.689159
0.487623	0.464176	0.245359	0.344259	0.378113	0.369813	0.343298	0.365042	0.402628	0.429659	0.655448
247502.71	165916.73	124384.04	177924.52	214722.959	227067.392	175648.43	178112.03	228372.956	251570.553	411260.19
1207.416	916.51848	695.826218	916.01291	914.24008	1005.66689	972.88863	966.71887	1085.73525	1021.91172	1659.96871
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
0.061377	0.055108	0.067099	0.059402	0.048696	0.061666	0.058828	0.063571	0.04625	0.051811	0.051061
115316.99	103400.53	64459.9102	78537.88	87523.2815	92866.5934	81759.88	88199.806	98692.5302	102638.755	164657.793
117109.35	105048.81	64919.7304	79655.683	88892.5231	94504.3373	82139.591	89835.823	100300.733	104929.65	169779.04
2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.5022
160798.01	144181.7	89882.8987	109513.22	122042.464	129493.178	114005.98	122985.81	137616.864	143119.48	242409.203

21561.284	20321.894	18073.998	20283.804	20960.634	22434.424	21178.626	21510.888	22355.9	21781.034	23577.71
55.143948	55.222538	42.627353	55.119032	55.746367	54.986333	55.152671	54.874714	55.750374	55.563862	55.607806
22971.2	21564.8	24846.4	21564.8	22033.6	23908.8	22502.4	22971.2	23440	22971.2	24846.4
58.749872	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
27.906779	28.668651	33.885843	29.982986	28.848029	29.328762	30.059979	29.504759	28.760122	28.330672	28.512683
25.424684	25.556245	26.206662	26.077118	25.812966	25.824044	26.191727	25.886937	25.722095	25.610353	26.065497
308203.36	279126.49	195881.29	216105.03	237447.331	254879.537	224772.96	243140.9	267195.17	276159.291	449617.695
324108.47	278712.73	138661.458	178223.62	220312.966	225152.885	179310.71	195974.7	235791.286	253508.679	628648.543
15905.11	-413.75508	-57219.832	-37881.41	-17134.365	-29726.652	-45462.26	-47166.194	-31403.883	-22650.612	179030.847
324108.47	278712.73	138661.458	178223.62	220312.966	225152.885	179310.71	195974.7	235791.286	253508.679	628648.543
367.94	346.63	308.43	346.14	357.69	382.84	361.41	367.08	381.5	371.69	402.35
35781.273	88118.516	33344.8191	14807.853	211.000299	1174.18588	24205.149	38734.619	14074.6903	1216.0773	8907.96186
46094.356	106978.88	37314.5432	15005.074	223.006051	1268.03381	24535.518	41869.104	16103.4192	1365.40446	13191.0026
20.76797	26.324275	20.415335	16.161151	3.23295	6.949789	17.611865	21.272017	17.022528	6.90878	10.147372
1443.3709	3531.7057	1335.49741	582.37153	8.477019	46.886183	963.37597	1542.4527	566.506398	48.796333	348.703614
23.147802	24.177812	23.006857	22.40185	18.762453	20.450355	22.04035	23.492249	22.794769	22.028591	25.802321
22.050692	21.205975	18.411845	18.536706	15.324817	19.008574	17.64984	21.536566	21.774759	20.646062	25.245887
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
28.6478	27.200728	14.378094	20.173608	22.157425	21.671073	20.117276	21.391479	23.535167	25.17804	38.409268
-44371.082	-54461.214	-90913.027	-78933.16	-62882.784	-78268.02	-88198.14	-93268.232	-82990.469	-76299.89	92964.2188
-44371.082	-54461.214	-90913.027	-78933.16	-62882.784	-78268.02	-88198.14	-93268.232	-82990.469	-76299.89	92964.2188
9757.9191	6478.1623	4760.81459	6841.5165	8322.71498	8794.91182	6761.658	6843.0073	8871.0956	9820.99567	15936.8264
247502.71	165916.73	124384.04	177924.52	214722.959	227067.392	175648.43	178112.03	228372.956	251570.553	411260.19
2.18	7.84	2.95	1.53	0.07	0.12	2.39	4.1	1.86	0.23	1.43
-15905.11	413.75508	57219.8323	37881.409	17134.3646	29726.6521	45462.256	47166.194	31403.8833	22650.6123	-179030.85
-61999.465	-106565.13	19905.2891	22876.334	16911.3586	28458.6183	20926.738	5297.0898	15300.4641	21285.2079	-192221.85
17.57	12.08	12.81	19.5	19.64	18.87	18.93	15.92	20.21	16.66	15.22
	0.002717	0.224056								
67332.827	55865.376	45469.0214	59144.751	73925.7097	76075.3984	57745.2	60635.049	71831.5027	81618.7245	89171.9848
1.45	1.46	2.22	1.36	1.31	1.55	1.45	1.53	1.44	1.36	1.68
24919.381	25091.239	38152.4316	23372.661	22513.3718	26637.959	24919.381	26294.243	24747.5232	23372.6608	29449.5432
368479.55	333173.95	229574.486	257156.78	283195.75	303420.906	267508.85	289242.93	318781.755	329808.568	535684.324
368479.55	333173.95	229574.486	257156.78	283195.75	303420.906	267508.85	289242.93	318781.755	329808.568	535684.324
277907.36	249230.51	154802.629	189168.9	210934.987	223997.515	196145.57	212821.63	237917.598	248049.13	412188.243

11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
24919.381	25091.239	38152.4316	23372.661	22513.3718	26637.959	24919.381	26294.243	24747.5232	23372.6608	29449.5432
368479.55	333173.95	229574.486	257156.78	283195.75	303420.906	267508.85	289242.93	318781.755	329808.568	535684.324
5376.6192	4804.7366	2926.22976	3563.4662	3998.97216	4244.06304	3708.0163	4025.0208	4530.04896	4737.50016	7979.9097
0.12	0.88	0.62	0.49		0.01	0.76	0.07	0.04		
2.7	2.7	1.8	2.4	6.45	3.15	2.85		0.15		8.1
0.001909	0.002822	0.00247	0.003126	0.009005	0.003241	0.004821		0.000025		0.021189
0.001862	0.002771	0.002429	0.00307	0.008909	0.003161	0.004791		0.000025		0.021037
			4.309975	151.174157	80.757899	23.500464				144.272145
			0.018089	0.549518	0.267434	0.104375				0.537682
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88
0.036071	0.035733	0.030778	0.027934	0.024414	0.036911	0.030416	0.029897	0.028275	0.0275	0.022783
153.3	214.2	216.3	237.3	703.5	270.9	386.4		2.1		1873.2
562.40012	849.17836	733.145397	937.01327	2733.56021	1077.42308	1387.6207		7.568964		6096.3306
0.695356	0.717687	0.417268	0.616655	1.663106	0.81394	0.692767		0.036042		1.815123
			1.245028	37.881654	20.667139	7.138537				43.54777
5290.04	4967.9	5753.3	5008.08	5135.48	5501.16	5212.48	5323.92	5441.66	5337.08	5800.76
13.529514	13.499728	13.569103	13.608913	13.658191	13.483235	13.574166	13.581428	13.570224	13.615	13.681037
5488	5152	5936	5152	5264	5712	5376	5488	5600	5488	5936
14.035805	14	14	14	14	14	14	14	13.965087	14	14
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88
10.430352	10.823008	6.25902	9.249838	25.884092	12.209103	10.641505		0.54064		28.926669
10.430352	10.823008	6.25902	9.249838	25.884092	12.209103	10.641505		0.54064		28.926669
562.40012	859.67836	733.145397	937.01327	2754.56021	1077.42308	1398.1207		7.568964		6400.8306
644.93077	933.26138	806.181921	1047.4679	3123.67609	1207.82702	1620.8571		7.583515		7031.89622
82.530652	73.583028	73.036523	110.45467	369.115884	130.403941	222.7364		0.014551		631.065614
644.93077	933.26138	806.181921	1047.4679	3123.67609	1207.82702	1620.8571		7.583515		7031.89622
131.1	104.58	125.07	122.4	206.64	170.22	108.18	65.92	59.44	43.32	168.14
562.40012	859.67836	733.145397	932.70329	2603.38605	996.665176	1374.6203		7.568964		6256.55846
644.93077	933.26138	806.181921	1043.1478	2946.89901	1118.90389	1591.3181		7.583515		6853.76835
2.52	2.52	1.68	2.198499	5.970706	2.847799	2.604097		0.14		7.512478
10.22	14.28	14.42	15.736998	44.374556	16.68219	25.284097		0.14		121.976815
			51.926245	61.719645	60.004273	54.536647				57.04914
			0.519262	4.937571	3.000213	1.090732				3.873698

10.22	14.28	14.42	15.82	46.9	18.06	25.76	0.14	124.88		
0.026138	0.038804	0.034009	0.042989	0.124734	0.044264	0.067083	0.000349	0.294528		
82.530652	73.583028	73.036523	110.45467	369.115884	130.403941	222.7364	0.014551	631.065614		
82.530652	73.583028	73.036523	110.45467	369.115884	130.403941	222.7364	0.014551	631.065614		
			0.083001	2.525443	1.377809	0.475902		2.903184		
			4.309975	151.174157	80.757899	23.500464		144.272145		
0.5	0.83	0.86	0.78	2.14	0.85	1.08	0.01	6.66		
-82.530652	-73.583028	-73.036523	-110.4547	-369.11588	-130.40394	-222.7364	-0.014551	-631.06561		
-727.46142	-1006.8444	-879.21844	-1153.602	-3316.0149	-1249.3078	-1814.054	-7.598067	-7484.834		
				0.1	0.07	0.01		0.07		
156.5593	190.0741	193.4555	256.1137	896.8847	346.5587	379.8135	2.1886	2264.6123		
	0.01			0.02		0.01		0.29		
	10.5			21		10.5		304.5		
562.40012	859.67836	733.145397	937.01327	2754.56021	1077.42308	1398.1207	7.568964	6400.8306		
562.40012	859.67836	733.145397	937.01327	2754.56021	1077.42308	1398.1207	7.568964	6400.8306		
562.40012	849.17836	733.145397	937.01327	2733.56021	1077.42308	1387.6207	7.568964	6096.3306		
10.22	14.28	14.42	15.82	46.9	18.06	25.76	0.14	124.88		
	10.5			21		10.5		304.5		
562.40012	859.67836	733.145397	937.01327	2754.56021	1077.42308	1398.1207	7.568964	6400.8306		

10.982253	11.042006	11.266932	11.273854	11.166498	11.184774	11.275733	11.235775	11.150933	11.083534	10.770898
0.347373	0.330073	0.251419	0.27146	0.293398	0.287938	0.268034	0.275373	0.292066	0.304006	0.460628
0.333962	0.316381	0.223236	0.260925	0.283467	0.277117	0.254431	0.264718	0.281593	0.290496	0.445418
881593.64	611468.75	697978.244	769380.99	1004864.17	1054790.29	736277.67	750321.9	907593.509	1030450.9	1387409.77
4321.919	3391.1308	3911.6852	4028.597	4330.23744	4727.04988	4128.2434	4103.7936	4344.46989	4199.42848	5583.5186
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
0.033262	0.035728	0.034815	0.035834	0.034419	0.034788	0.036276	0.034383	0.033393	0.034063	0.031811
525013.71	469082.88	389380.112	396236.58	436143.014	463253.435	402309.55	426991.34	460149.803	461892.063	740145.223
549699.03	495152.5	405549.737	414210.68	472902.273	487746.335	419202.64	433985.52	467796.113	470218.713	865701.319
2.360153	2.362213	2.405604	2.355686	2.376575	2.358732	2.372509	2.331951	2.336173	2.349861	2.520385
693414.98	617017.31	531257.469	521293.22	566822.898	608498.147	534610.01	563959.05	609434.662	618922.106	1006487.73
297.19233	37.47651	409.371364	422.52082	2816.86048	1686.52013	416.21925	4.997672	10.014603	0.504498	2703.96567
138383.04	129474.88	138144.283	129816.42	133308.459	144126.604	133823.33	138314.61	141506.035	137484.444	150401.835
353.92083	351.83391	325.811988	352.76201	354.543773	353.25148	348.49826	352.8434	352.88288	350.725622	354.721308

143903.2	135092.8	155650.4	135092.8	138029.6	149776.8	140966.4	143903.2	146840	143903.2	155650.4
368.03887	367.1	367.099999	367.1	367.099999	367.099999	367.1	367.1	366.184538	367.099999	367.099999
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
135.79747	136.26937	120.110341	129.18296	185.977881	143.140667	132.40887	87.225187	91.372806	83.565739	197.65616
27.08188	27.250903	28.3594	27.730328	27.758824	27.560671	27.944658	27.306934	27.154567	27.144161	28.500059
1336100.5	1199926.1	1034043.35	1012432.7	1121542.75	1184252.57	1037203.4	1078512.5	1159905.49	1172782.32	2009884.75
1342181.8	1138354.5	743849.488	782935.11	987095.47	992253.484	776860.33	830285.52	966643.896	1017112.37	2667392.08
6081.3238	-61571.588	-290193.86	-229497.6	-134447.28	-191999.08	-260343.1	-248226.97	-193261.59	-155669.95	657507.329
1342181.8	1138354.5	743849.488	782935.11	987095.47	992253.484	776860.33	830285.52	966643.896	1017112.37	2667392.08
1668.76	1460.29	1433.06	1542.78	1921.78	1886.61	1458.3	1459.33	1432.97	1317.89	1979.68
418037.74	551318.97	282669.273	207741.52	83339.4284	91044.8656	260322.29	289965.35	215474.541	104988.523	581476.761
482646.89	586776.21	266277.039	190734.09	95921.6693	99329.343	240208.2	263473.79	219188.861	112817.12	786299.784
18.506287	20.468466	13.882333	13.445173	13.132188	10.925812	14.533177	19.402683	12.535255	12.224881	20.637774
14328.33	19148.552	9679.67822	6892.1655	2406.5346	2869.72604	8806.8195	10019.336	7449.07911	3630.86755	18041.7538
23.946173	23.986434	22.755377	23.90944	27.116103	24.650573	23.080341	22.565523	22.017255	21.451912	31.481359
22.647989	20.392517	18.20534	19.390269	26.887713	24.297523	18.10727	19.936518	20.741263	21.224869	31.323583
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
122.91104	116.14371	81.950264	95.785836	104.06101	101.729774	93.401833	97.178204	103.115037	106.641408	163.513023
-265248.09	-303415.01	-491086.74	-434297.9	-356790.09	-430919.44	-467849.9	-471289.71	-433606.47	-397089.51	289823.546
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33729.886	23592.334	25067.2338	28357.022	36720.4054	38636.022	27059.485	28074.52	33900.0509	38172.5645	51287.7682
881593.64	611468.75	697978.244	769380.99	1004864.17	1054790.29	736277.67	750321.9	907593.509	1030450.9	1387409.77
192.09	218.83	136.35	113.25	56.23	68.67	129.64	171.7	134.47	83.68	249.92
-6081.3238	61571.588	290193.859	229497.61	134447.275	191999.084	260343.1	248226.97	193261.594	155669.951	-657507.33
-488728.22	-525204.63	23916.8203	38763.525	38525.606	92669.7411	20134.907	-15246.813	-25927.268	42852.8308	-1443807.1
184.61	112.75	230.38	214.13	316.14	334.79	209.66	194.84	253.14	306.78	173.3
	0.000494	0.052744			0.000222	0.007339		0.000227	0.007189	
217426.19	178906.63	160453.768	189835.05	239794.621	247154.848	177502.54	192700.18	225943.853	250767.515	304185.386
3.95	4	5.2	3.69	3.6	3.95	4.79	3.79	3.64	4.23	5.77
36601.261	37264.791	53424.0018	35384.287	33460.58	38497.5991	40667.418	38233.188	36841.4133	37346.8693	42067.5445
1607429.9	1441769.5	1234936.23	1217233	1343885.56	1423172.92	1244710.2	1301575.2	1400250.36	1414201.88	2377568.53
1607429.9	1441769.5	1234936.23	1217233	1343885.56	1423172.92	1244710.2	1301575.2	1400250.36	1414201.88	2377568.53
1243114	1112169.8	936807.206	935503.91	1039725.17	1096244.48	953812.65	997944.57	1077230.78	1089140.82	1872189.05
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
36601.261	37264.791	53424.0018	35384.287	33460.58	38497.5991	40667.418	38233.188	36841.4133	37346.8693	42067.5445

1607429.9	1441769.5	1234936.23	1217233	1343885.56	1423172.92	1244710.2	1301575.2	1400250.36	1414201.88	2377568.53
56385.184	50491.469	43812.1387	41544.532	48356.9946	49510.4869	42723.366	42334.734	45833.3013	46294.6316	95628.1508
15.07	36.01	47.56	40.58	3.43	4.54	43.79	25.16	11.64	0.61	0.5
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
134677.59	56329.713	145548.878	149044.2	391858.554	387351.388	127904.82	115233.34	214244.881	382442.941	200557.783
650.80275	307.80658	805.629606	743.58241	1690.4505	1717.04192	688.06032	615.44861	1013.68219	1558.92692	801.349272
-79474.083	-65805.32	-75447.936	-69377.26	-86030.025	-90160.044	-67830.64	-71342.226	-83233.564	-95601.887	-104924.35
79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
134677.59	56329.713	145548.878	149044.2	391858.554	387351.388	127904.82	115233.34	214244.881	382442.941	200557.783
182.6	110.76	236.79	211.62	314.94	333.2	208.14	191.79	251.45	306.12	171.84
119.49483	93.629828	122.421237	135.32322	179.160047	174.411453	133.0554	107.94363	135.012034	167.220807	154.098779
42.24993	30.621069	41.70816	42.751542	71.95059	67.267517	43.03816	35.736829	48.562348	67.775528	54.639632
8112.4166	3580.1226	10143.6236	9338.9947	22944.0697	22715.2828	9266.0737	7073.4065	12526.2958	21162.6902	10736.0413
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1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
2024145.5	1527007.1	1481825.18	1471035.9	2199211.91	2231887.73	1342749.4	1510220.1	1932318.55	2443037.31	3719221.21
79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
134677.59	56329.713	145548.878	149044.2	391858.554	387351.388	127904.82	115233.34	214244.881	382442.941	200557.783
650.80275	307.80658	805.629606	743.58241	1690.4505	1717.04192	688.06032	615.44861	1013.68219	1558.92692	801.349272
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79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
134677.59	56329.713	145548.878	149044.2	391858.554	387351.388	127904.82	115233.34	214244.881	382442.941	200557.783
182.6	110.76	236.79	211.62	314.94	333.2	208.14	191.79	251.45	306.12	171.84
119.49483	93.629828	122.421237	135.32322	179.160047	174.411453	133.0554	107.94363	135.012034	167.220807	154.098779

42.24993	30.621069	41.70816	42.751542	71.95059	67.267517	43.03816	35.736829	48.562348	67.775528	54.639632
8112.4166	3580.1226	10143.6236	9338.9947	22944.0697	22715.2828	9266.0737	7073.4065	12526.2958	21162.6902	10736.0413
-79474.083	-65805.32	-75447.936	-69377.26	-86030.025	-90160.044	-67830.64	-71342.226	-83233.564	-95601.887	-104924.35
-203.25852	-178.8188	-177.94324	-188.5252	-228.80326	-220.9805	-176.6423	-181.99547	-207.565	-243.88237	-247.46309
-1889467.9	-1470677.3	-1336276.3	-1321992	-1807353.4	-1844536.3	-1214845	-1394986.8	-1718073.7	-2060594.4	-3518663.4
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-1889467.9	-1470677.3	-1336276.3	-1321992	-1807353.4	-1844536.3	-1214845	-1394986.8	-1718073.7	-2060594.4	-3518663.4
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
2024145.5	1527007.1	1481825.18	1471035.9	2199211.91	2231887.73	1342749.4	1510220.1	1932318.55	2443037.31	3719221.21
79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43

4072.6417	4156.7547	4701.39394	3652.8569	2910.00265	3439.50278	3850.644	4657.1167	4558.69936	4391.18242	5380.44489
97154.109	93109.992	82922.363	66151.155	55504.6767	64885.3046	65927.557	91598.228	92781.3936	92161.0585	178662.141
0.260573	221.6713	25.830202	47.624094			111.96585	2.628722			
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25.626505	18.607542	15.835189	14.595979	22.868645		17.304522	19.252681	21.198209	19.056886	24.510028
1.281325	2.41898	8.709354	0.291919	0.228686		1.384361	0.770107	2.331803	1.715119	1.225501
4072.6417	4156.7547	4701.39394	3652.8569	2910.00265	3439.50278	3850.644	4657.1167	4558.69936	4391.18242	5380.44489
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97154.109	93109.992	82922.363	66151.155	55504.6767	64885.3046	65927.557	91598.228	92781.3936	92161.0585	178662.141
258424.48	266370.92	280742.05	199044.71	161489.725	170456.391	203045.28	231115.93	242958.949	242127.5	289041.713
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8219.6082	8472.3574	8929.4545	6330.9385	5136.44164	5421.64095	6458.1832	7351.0156	7727.70194	7720.98733	9225.82851
192819.72	187309.22	156496.051	115332.11	102842.29	106731.141	112351.88	142372.52	157284.326	164058.312	305872.433
8219.6082	8472.3574	8929.4545	6330.9385	5136.44164	5421.64095	6458.1832	7351.0156	7727.70194	7720.98733	9225.82851
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65604.757	79061.693	124245.999	83712.6	58647.4345	63725.2502	90693.399	88743.406	85674.6227	78723.1864	-1297.935
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79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
258424.48	266370.92	280742.05	199044.71	161489.725	170456.391	203045.28	231115.93	242958.949	242781.498	304574.498
258424.48	266370.92	280742.05	199044.71	161489.725	170456.391	203045.28	231115.93	242958.949	242781.498	304574.498
8219.6082	8472.3574	8929.4545	6330.9385	5136.44164	5421.64095	6458.1832	7351.0156	7727.70194	7720.98733	9225.82851
258424.48	266370.92	280742.05	199044.71	161489.725	170456.391	203045.28	231115.93	242958.949	242781.498	304574.498
258424.48	266370.92	280742.05	199044.71	161489.725	170456.391	203045.28	231115.93	242958.949	242781.498	304574.498
8219.6082	8472.3574	8929.4545	6330.9385	5136.44164	5421.64095	6458.1832	7351.0156	7727.70194	7720.98733	9225.82851
192819.72	187309.22	156496.051	115332.11	102842.29	106731.141	112351.88	142372.52	157284.326	164058.312	305872.433
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260750.33	268500.26	283150.939	201223.92	162672.023	171820.812	204974.33	233354.54	245135.204	244342.647	288197.544
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79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
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260750.33	268500.26	283150.939	201223.92	162672.023	171820.812	204974.33	233354.54	245135.204	245002.074	303865.353
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3960.9755	4102.5977	4592.36459	3743.3494	2910.62817	3531.81403	3840.296	4540.6841	4422.03389	4311.02785	5331.36252
94564.19	91758.932	81176.6785	67544.007	55582.307	66273.0816	65557.323	89240.695	90095.8818	90247.7841	176923.581
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10.130372	11.148363	10.831048	10.172145	7.741032	8.656406	10.00077	11.583377	11.027515	10.99752	12.573968
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77218.252	65805.32	75447.9358	69377.264	86030.0253	90160.0439	65320.063	71342.226	83233.5644	95601.8872	104924.349
3960.9755	4102.5977	4592.36459	3743.3494	2910.62817	3531.81403	3840.296	4540.6841	4422.03389	4311.02785	5331.36252
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4054.796	3954.1314	4518.94448	3426.6338	2706.82452	3090.94931	3622.9897	4471.7784	4438.34647	4022.40876	5068.89254
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4054.796	3954.1314	4518.94448	3426.6338	2706.82452	3090.94931	3622.9897	4471.7784	4438.34647	4022.40876	5068.89254
10.370322	10.744922	10.657887	9.311504	7.199001	7.575856	9.434868	11.407598	11.068195	10.261246	11.954935
96592.382	88570.058	80310.0327	62861.774	52468.701	59366.1026	62610.921	88215.095	90302.3453	85027.9734	169603.092
96592.382	88570.058	80310.0327	62861.774	52468.701	59366.1026	62610.921	88215.095	90302.3453	85027.9734	169603.092
4054.796	3954.1314	4518.94448	3426.6338	2706.82452	3090.94931	3622.9897	4471.7784	4438.34647	4022.40876	5068.89254
-96592.382	-88570.058	-80310.033	-62861.77	-52468.701	-59366.103	-62610.92	-88215.095	-90302.345	-85027.973	-169603.09
-96592.382	-88570.058	-80310.033	-62861.77	-52468.701	-59366.103	-62610.92	-88215.095	-90302.345	-85027.973	-169603.09
79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	64121.416	71342.226	83233.5644	92388.1563	104924.349
4054.796	3954.1314	4518.94448	3426.6338	2706.82452	3090.94931	3622.9897	4471.7784	4438.34647	4022.40876	5068.89254
4054.796	3954.1314	4518.94448	3426.6338	2706.82452	3090.94931	3622.9897	4471.7784	4438.34647	4022.40876	5068.89254
96592.382	88570.058	80310.0327	62861.774	52468.701	59366.1026	62610.921	88215.095	90302.3453	85027.9734	169603.092
96592.382	88570.058	80310.0327	62861.774	52468.701	59366.1026	62610.921	88215.095	90302.3453	85027.9734	169603.092
198541.94	206836.43	180875.806	194033.33	199094.444	204833.657	152593.47	130314.33	150019.172	177342.904	199043.703
985.71443	1167.9597	1020.21884	1053.9183	879.811336	938.944183	882.94121	725.3481	724.540402	729.863078	806.608308
3875.5016	4037.4084	3530.66184	3787.4942	3886.28624	3998.31461	2978.5959	2543.7112	2928.34612	3461.70026	3885.29578
90221.428	87090.13	61457.1141	68294.245	76817.1447	77873.642	51118.042	48863.611	58905.6902	73346.5172	129905.877
3875.5016	4037.4084	3530.66184	3787.4942	3886.28624	3998.31461	2978.5959	2543.7112	2928.34612	3461.70026	3885.29578
9.911768	10.971218	8.327032	10.292103	10.335867	9.79979	7.75676	6.489059	7.302608	8.830868	9.163433

-108320.52	-119746.3	-119418.69	-125739.1	-122277.3	-126960.02	-101475.4	-81450.715	-91113.482	-103996.39	-69137.825
-108320.52	-119746.3	-119418.69	-125739.1	-122277.3	-126960.02	-101475.4	-81450.715	-91113.482	-103996.39	-69137.825
3875.5016	4037.4084	3530.66184	3787.4942	3886.28624	3998.31461	2978.5959	2543.7112	2928.34612	3461.70026	3885.29578
198541.94	206836.43	180875.806	194033.33	199094.444	204833.657	152593.47	130314.33	150019.172	177342.904	199043.703
108320.52	119746.3	119418.692	125739.08	122277.3	126960.015	101475.43	81450.715	91113.4815	103996.387	69137.8254
108320.52	119746.3	119418.692	125739.08	122277.3	126960.015	101475.43	81450.715	91113.4815	103996.387	69137.8254
79474.083	65805.32	69140.3306	68049.001	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
198541.94	206836.43	180875.806	194033.33	199094.444	204833.657	152593.47	130314.33	150019.172	177342.904	199043.703
198541.94	206836.43	180875.806	194033.33	199094.444	204833.657	152593.47	130314.33	150019.172	177342.904	199043.703
3875.5016	4037.4084	3530.66184	3787.4942	3886.28624	3998.31461	2978.5959	2543.7112	2928.34612	3461.70026	3885.29578
198541.94	206836.43	180875.806	194033.33	199094.444	204833.657	152593.47	130314.33	150019.172	177342.904	199043.703
198541.94	206836.43	180875.806	194033.33	199094.444	204833.657	152593.47	130314.33	150019.172	177342.904	199043.703
3875.5016	4037.4084	3530.66184	3787.4942	3886.28624	3998.31461	2978.5959	2543.7112	2928.34612	3461.70026	3885.29578
90221.428	87090.13	61457.1141	68294.245	76817.1447	77873.642	51118.042	48863.611	58905.6902	73346.5172	129905.877
-108320.52	-119746.3	-119418.69	-125739.1	-122277.3	-126960.02	-101475.4	-81450.715	-91113.482	-103996.39	-69137.825
198541.94	206836.43	180875.806	194033.33	199094.444	204833.657	152593.47	130314.33	150019.172	177342.904	199043.703

286812.16	300188.42	268047.472	246225.74	207908.326	220647.801	238558.9	297188.7	275708.975	253655.322	325375.063
1434.6485	1696.8381	1516.47686	1352.046	924.812773	1018.08486	1386.1075	1655.6633	1335.13585	1052.50335	1331.62809
4211.6323	4408.0531	3936.08623	3615.6496	3052.98569	3240.05582	3503.0676	4364.0044	4048.58995	3738.1238	4943.93906
97076.283	95607.205	68467.0635	62849.715	57524.944	60551.8926	59343.594	83713.877	81013.4634	77257.1304	161652.012
4211.6323	4408.0531	3936.08623	3615.6496	3052.98569	3240.05582	3503.0676	4364.0044	4048.58995	3738.1238	4943.93906
10.771438	11.978405	9.283222	9.825134	8.119642	7.941313	9.122571	11.132664	10.096234	9.53603	11.660233
-189735.88	-204581.21	-199580.41	-183376	-150383.38	-160095.91	-179215.3	-213474.82	-194695.51	-177332.09	-182961.85
-189735.88	-204581.21	-199580.41	-183376	-150383.38	-160095.91	-179215.3	-213474.82	-194695.51	-177332.09	-182961.85
4211.6323	4408.0531	3936.08623	3615.6496	3052.98569	3240.05582	3503.0676	4364.0044	4048.58995	3724.60073	4665.65494
286812.16	300188.42	268047.472	246225.74	207908.326	220647.801	238558.9	297188.7	275708.975	253655.322	325375.063
189735.88	204581.21	199580.409	183376.03	150383.382	160095.909	179215.31	213474.82	194695.512	177332.09	182961.851
189735.88	204581.21	199580.409	183376.03	150383.382	160095.909	179215.31	213474.82	194695.512	177332.09	182961.851
79474.083	65805.32	75375.1001	69377.264	84946.1929	90160.0439	67586.282	71342.226	83201.9329	94946.1142	104214.971
286812.16	300188.42	268047.472	246225.74	207908.326	220647.801	238558.9	297188.7	275708.975	254589.22	344613.863
286812.16	300188.42	268047.472	246225.74	207908.326	220647.801	238558.9	297188.7	275708.975	254589.22	344613.863
4211.6323	4408.0531	3936.08623	3615.6496	3052.98569	3240.05582	3503.0676	4364.0044	4048.58995	3738.1238	4943.93906
286812.16	300188.42	268047.472	246225.74	207908.326	220647.801	238558.9	297188.7	275708.975	254589.22	344613.863
286812.16	300188.42	268047.472	246225.74	207908.326	220647.801	238558.9	297188.7	275708.975	254589.22	344613.863

4211.6323	4408.0531	3936.08623	3615.6496	3052.98569	3240.05582	3503.0676	4364.0044	4048.58995	3738.1238	4943.93906
97076.283	95607.205	68467.0635	62849.715	57524.944	60551.8926	59343.594	83713.877	81013.4634	77257.1304	161652.012
-189735.88	-204581.21	-199580.41	-183376	-150383.38	-160095.91	-179215.3	-213474.82	-194695.51	-177332.09	-182961.85
286812.16	300188.42	268047.472	246225.74	207908.326	220647.801	238558.9	297188.7	275708.975	254589.22	344613.863
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	917468.373	1101658.02
4999.5544	5873.8715	5721.45384	4581.4522	3242.72902	3529.88691	4622.497	4952.6682	4418.95551	3788.39226	4482.25445
37631.795	38642.47	40239.0486	31684.939	26365.5502	28808.7391	31514.645	36194.5	36807.2177	36323.2913	44202.9108
885093.62	853765.16	706612.963	572797.31	516186.585	555538.683	543205.08	704100.26	747113.003	766459.473	1466327.33
0.260573	221.6713	25.830202	47.624094			112.94218	2.628722			
0.001002	0.259371	0.082833	0.188984			0.374616	0.023728			
0.014036	9.606176	1.970246	3.693145			9.55946	0.201389			
25.626505	18.607542	15.835189	14.595979	22.868645		17.304522	19.252681	21.198209	19.056886	24.510028
1.281325	2.41898	8.709354	0.291919	0.228686		1.384361	0.770107	2.331803	1.715119	1.225501
37631.795	38642.47	40239.0486	31684.939	26365.5502	28808.7391	31514.645	36194.5	36807.2177	36323.2913	44202.9108
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37631.781	38632.864	40237.0784	31681.246	26365.5502	28808.7391	31505.086	36194.299	36807.2177	36266.6325	42900.5394
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	0.01					0.02				
119435.3	188130.86	306203.304	267730.39	214977.933	212219.978	255966.9	187873.24	166709.297	153256.224	-314229.91
119435.04	187909.19	306177.474	267682.77	214977.933	212219.978	255853.96	187870.61	166709.297	153256.224	-314229.91
0.23	0.4	9.71	0.04	0.2		0.89	0.3	0.75	0.93	0.28
554062.75	459556.21	521755.11	484312.58	601126.345	631120.307	465630.06	499395.58	582603.319	662997.622	733761.064
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	919715.696	1152097.42
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	919715.696	1152097.42
37631.795	38642.47	40239.0486	31684.939	26365.5502	28808.7391	31514.645	36194.5	36807.2177	36323.2913	44202.9108
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	919715.696	1152097.42
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	919715.696	1152097.42
37631.795	38642.47	40239.0486	31684.939	26365.5502	28808.7391	31514.645	36194.5	36807.2177	36323.2913	44202.9108
885093.62	853765.16	706612.963	572797.31	516186.585	555538.683	543205.08	704100.26	747113.003	766459.473	1466327.33
-119435.3	-188130.86	-306203.3	-267730.4	-214977.93	-212219.98	-255966.9	-187873.24	-166709.3	-153256.22	314229.91
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	919715.696	1152097.42

10.982253	11.042006	11.266932	11.273854	11.166498	11.184774	11.275733	11.235775	11.150933	11.083534	10.770898
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0.333962	0.316381	0.223236	0.260925	0.283467	0.277117	0.254431	0.264718	0.281593	0.290496	0.445418
1889467.9	1470677.3	1336276.3	1321991.7	1807353.36	1844536.35	1214844.5	1394986.8	1718073.67	2060594.36	3518663.43
2020800.2	1709694.5	1856343.39	1758952.9	2127887.25	2209900.34	1663354.5	1757528.7	2035660.69	2330362.21	2689625.58
9972.2762	9572.8089	10438.7686	9353.6316	9263.41696	9973.9787	9438.8007	9671.9104	9777.10759	9546.74766	10867.1223
6215.9279	15578.036	-461.97515	-2443.136	-20537.535	-19845.557	-449.6948	2946.1307	-5077.2167	-17475.164	8608.08393
3255956	3056611.7	3521748.28	3056611.7	3123059.79	3388852.12	3189507.9	3255956	3322404.04	3256145.35	3602050.75
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525013.71	469082.88	389380.112	396236.58	436143.014	463253.435	402309.55	426991.34	460149.803	461892.063	740145.223
549699.03	495152.5	405549.737	414210.68	472902.273	487746.335	419202.64	433985.52	467796.113	470218.713	865701.319
2.360153	2.362213	2.405604	2.355686	2.376575	2.358732	2.372509	2.331951	2.336173	2.349861	2.520385
693414.98	617017.31	531257.469	521293.22	566822.898	608498.147	534610.01	563959.05	609434.662	618922.106	1006487.73
297.19233	37.47651	409.371364	422.52082	2816.86048	1686.52013	416.21925	4.997672	10.014603	0.504498	2703.96567
138383.04	129474.88	138144.283	129816.42	133308.459	144126.604	133823.33	138314.61	141506.035	137484.444	150401.835
353.92083	351.83391	325.811988	352.76201	354.543773	353.25148	348.49826	352.8434	352.88288	350.725622	354.721308
143903.2	135092.8	155650.4	135092.8	138029.6	149776.8	140966.4	143903.2	146840	143903.2	155650.4
368.03887	367.1	367.099999	367.1	367.099999	367.099999	367.1	367.1	366.184538	367.099999	367.099999
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
135.79747	136.26937	120.110341	129.18296	185.977881	143.140667	132.40887	87.225187	91.372806	83.565739	197.65616
27.08188	27.250903	28.3594	27.730328	27.758824	27.560671	27.944658	27.306934	27.154567	27.144161	28.500059
1336100.5	1199926.1	1034043.35	1012432.7	1121542.75	1184252.57	1037203.4	1078512.5	1159905.49	1172782.32	2009884.75
1342181.8	1138354.5	743849.488	782935.11	987095.47	992253.484	776860.33	830285.52	966643.896	1017112.37	2667392.08
79474.083	65805.32	75447.9358	69377.264	86030.0253	90160.0439	67830.644	71342.226	83233.5644	95601.8872	104924.349
6081.3238	-61571.588	-290193.86	-229497.6	-134447.28	-191999.08	-260343.1	-248226.97	-193261.59	-155669.95	657507.329
2227275.4	1992119.6	1450462.45	1355732.4	1503282.06	1547792.17	1320065.4	1534385.8	1713756.9	1783571.84	4133719.4
1668.76	1460.29	1433.06	1542.78	1921.78	1886.61	1458.3	1459.33	1432.97	1317.89	1979.68
418037.74	551318.97	282669.273	207741.52	83339.4284	91044.8656	260322.29	289965.35	215474.541	104988.523	581476.761
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
134677.59	56329.713	145548.878	149044.2	391858.554	387351.388	127904.82	115233.34	214244.881	382442.941	200557.783
182.6	110.76	236.79	211.62	314.94	333.2	208.14	191.79	251.45	306.12	171.84
119.49483	93.629828	122.421237	135.32322	179.160047	174.411453	133.0554	107.94363	135.012034	167.220807	154.098779

2.816662	2.041404	2.780544	2.850102	4.796706	4.484501	2.86921	2.978069	3.468739	5.64796	3.642642
8,112	3,580	10,144	9,339	22,944	22,715	9,266	7,073	12,526	21,163	10,736
482647.15	586997.88	266302.869	190781.71	95921.6693	99329.343	240321.14	263476.42	219188.861	112817.12	786299.784
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14,328	19,158	9,682	6,896	2,407	2,870	8,816	10,020	7,449	3,631	18,042
23.954361	23.84203	21.889123	23.876576	27.122453	24.650573	22.970675	22.532363	21.980203	21.39528	31.441002
22.674309	20.365839	18.0007	19.373658	26.894418	24.297523	18.059356	19.926368	20.724713	21.175013	31.284634
6215.9279	15578.036	-461.97515	-2443.136	-20537.535	-19845.557	-449.6948	2946.1307	-5077.2167	-17475.164	8608.08393
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-5530107.3	-5018834.9	-5655314.6	-5080632	-5502181.2	-5876527.9	-5128169	-5310105.7	-5640793.5	-5867085.4	-6516660.7
71361.666	62225.198	65304.3122	60038.269	63085.9556	67444.7611	58564.57	64268.819	70707.2686	74439.197	94188.3076
1886122.6	1653364.8	1710794.51	1609908.7	1736028.69	1822548.95	1535449.7	1642295.4	1821415.81	1947919.27	2489067.79
5258777.9	4776991.5	5454421.74	4875831.4	5279838.36	5637607.53	4920662.4	5087042.9	5400448.6	5625665.89	6148976.94
4910808.3	4246323.3	5333667.75	4834093.9	5575775.25	5925629.57	4808246.1	4938799.9	5395504.62	5895291.71	5563234.94
	0.000494	0.052744			0.000222	0.007339		0.000227	0.007189	
850963.02	704268.16	757656.813	743524.89	926950.991	968435.199	710963.25	763437.99	891780.736	1009367.02	1142870.8
3.95	4	5.2	3.69	3.6	3.95	4.79	3.79	3.64	4.23	5.77
36601.261	37264.791	53424.0018	35384.287	33460.58	38497.5991	40667.418	38233.188	36841.4133	37346.8693	42067.5445
7757382.7	7010954.6	7105777.07	6436364.2	7005463.24	7424320.04	6448234.6	6844491.4	7354550.37	7650657.29	10650380.1
4501426.7	3954342.9	3584028.79	3379752.5	3882403.44	4035467.93	3258726.7	3588535.5	4032146.34	4394511.94	7048329.37
1243114	1112169.8	936807.206	935503.91	1039725.17	1096244.48	953812.65	997944.57	1077230.78	1089140.82	1872189.05
85690.011	81383.356	74985.9606	66934.127	65492.4902	70314.4871	67380.949	74288.356	78156.3477	78126.7233	113532.433
36601.261	37264.791	53424.0018	35384.287	33460.58	38497.5991	40667.418	38233.188	36841.4133	37346.8693	42067.5445
4501426.7	3954342.9	3584028.79	3379752.5	3882403.44	4035467.93	3258726.7	3588535.5	4032146.34	4394511.94	7048329.37
56385.184	50491.469	43812.1387	41544.532	48356.9946	49510.4869	42723.366	42334.734	45833.3013	46294.6316	95628.1508
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	919715.696	1152097.42
37631.795	38642.47	40239.0486	31684.939	26365.5502	28808.7391	31514.645	36194.5	36807.2177	36323.2913	44202.9108
885093.62	853765.16	706612.963	572797.31	516186.585	555538.683	543205.08	704100.26	747113.003	766459.473	1466327.33
-119435.3	-188130.86	-306203.3	-267730.4	-214977.93	-212219.98	-255966.9	-187873.24	-166709.3	-153256.22	314229.91
1004528.9	1041896	1012816.27	840527.7	731164.518	767758.662	799171.98	891973.5	913822.3	919715.696	1152097.42

2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12
2990381.8	3194271.4	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.3	3262234.64	3194441.33
-2990381.8	-3194271.4	-3126308.2	-3602050.7	-3126308.2	-3330197.9	-3330197.9	-3262234.6	-3466124.3	-3262234.6	-3194441.3
-2990381.8	-3194271.4	-3126308.2	-3602050.7	-3126308.2	-3330197.9	-3330197.9	-3262234.6	-3466124.3	-3262234.6	-3194441.3
2990381.8	3194271.4	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.3	3262234.64	3194441.33
2990381.8	3194271.4	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.3	3262234.64	3194441.33
2990381.8	3194271.4	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.3	3262234.64	3194441.33
30.449029	24.759004	23.38915	18.509129	19.319105	21.389147	20.949068	18.449094	20.449103	21.509066	22.449109
21.110102	21.11002	21.109918	21.109918	21.109959	21.110081	21.11004	21.11002	21.110061	21.109979	21.109979
30.323486	24.633471	23.263557	18.383545	19.193531	21.263556	20.823509	18.323525	20.323529	21.383507	22.323534
30.420057	24.730035	23.360167	18.480148	19.290127	21.360164	20.920093	18.420117	20.420124	21.480091	22.42013
29.69577	24.005805	22.635596	17.755626	18.56566	20.6356	20.195713	17.695676	19.695664	20.755717	21.695654
29.975828	24.285841	22.915763	18.035774	18.845787	20.915765	20.475807	17.975793	19.975788	21.035808	21.975785
$ 30.40	$ 24.71	$ 23.34	$ 18.46	$ 19.27	$ 21.34	$ 20.90	$ 18.40	$ 20.40	$ 21.46	$ 22.40
$ 30.44	$ 24.75	$ 23.38	$ 18.50	$ 19.31	$ 21.38	$ 20.94	$ 18.44	$ 20.44	$ 21.50	$ 22.44

19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
30.14	24.45	23.08	18.2	19.01	21.08	20.64	18.14	20.14	21.2	22.14
5.035151	4.515553	4.106789	3.869956	3.887101	3.911873	3.900348	3.888702	3.951111	4.58711	5.120944
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
0.02946	0.028138	0.029266	0.030919	0.023722	0.031352	0.029948	0.040625	0.028431	0.032369	0.023244
7686.675	8221.95	8037.675	9245.025	8083.575	8543.475	8555.85	8289	8919	8360.325	8263.35
21.837144	21.9252	21.841508	21.804304	21.966236	21.794579	21.826147	21.585937	21.860294	21.715129	21.976994
7920	8460	8280	9540	8280	8820	8820	8640	9180	8640	8460
22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5

8.22	0.24		4.48	2.56	1.92	16.36

7.535199	5.46302	4.89788	2.91989	4.42693	6.40492	4.52112	4.33274	1.22447	1.69542	0.56514
0.088177	0.026201	0.022796	0.017782	0.017338	0.03277	0.02236	0.022534	0.001259	0.001565	0.000159
0.085369	0.025212	0.022092	0.017287	0.016983	0.031556	0.021785	0.021718	0.00125	0.00151	0.000159
5678.4153	746.09116	444.30163	7158.76284	2281.8161	15092.7754	5992.32789	1717.2533		61.605515	75.247195
23.500624	3.383458	2.197211	37.585879	9.351851	53.554477	22.494062	7.639165		0.275303	0.265743
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48

0.028494	0.037446	0.032418	0.029316	0.023016	0.035535	0.03028	0.031171	0.028946	0.033828	0.024787
16416.375	5178.943	4441.4353	4004.39366	3414.3875	6757.75574	4665.41908	4556.15868	278.61402	316.85516	32.77812
63687.427	21886.351	19248.663	15146.8482	14339.7051	28280.3441	19684.4123	17272.3056	1126.352	1390.91881	171.819983
3.226456	2.335591	2.194224	1.174822	1.908121	2.742598	1.960867	1.795438	0.535109	0.791786	0.314514
1262.5525	170.38948	90.557857	1549.60065	444.043878	2994.82624	1178.75199	386.397401		12.324024	12.24247
19834.26	20991.36	20652.06	23871.06	20852.74	21928.06	22047.54	21577.74	22979.02	21518.58	21267.44
56.347329	55.97696	56.119728	56.299669	56.665054	55.938928	56.243724	56.192031	56.321127	55.892415	56.56234
20416	21808	21344	24592	21344	22736	22736	22272	23664	22272	21808
58	58.154666	58	58	58	58	58	58	58	57.84935	58
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
36.723214	26.721093	24.964813	13.601655	21.761536	31.225027	22.30711	20.689016	6.138253	8.933078	3.426213
36.723214	26.721093	24.964813	13.601655	21.761536	31.225027	22.30711	20.689016	6.138253	8.933078	3.426213
77395.083	26233.871	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.1102	1671.21801	198.720383
94052.625	30187.61	26275.435	21511.3422	21270.9325	42435.5642	28246.4377	26531.3948	1485.4479	1751.58217	207.648494
16657.542	3953.7389	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.33767	80.364164	8.92811
94052.625	30187.61	26275.435	21511.3422	21270.9325	42435.5642	28246.4377	26531.3948	1485.4479	1751.58217	207.648494
230.65	163.76	154.59	112.5	166.86	240.93	200.44	120	159.99	123.67	106.58
71716.668	25487.78	22558.78	11363.5704	14904.5904	18822.6873	17569.5369	19367.1511	1363.1102	1609.61249	123.473187
87093.777	29338.732	25766.858	13155.4122	18455.2394	23387.3396	21130.7388	24411.2623	1485.4479	1686.94079	128.560392
44.412322	32.960274	29.987183	12.933071	25.044806	26.071003	21.627659	24.95085	7.54	9.379194	2.180236
1608.8568	531.75002	461.92562	260.621404	315.356579	399.504141	370.173806	442.696812	29.58	32.331578	2.180236
47.182786	45.50374	48.807028	45.310341	46.958935	47.190362	47.786304	44.640792		49.79949	57.939128
30.161898	10.465636	4.392632	12.592805	11.733604	30.174332	19.053266	10.24962		1.991979	2.896956
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
4.95142	1.46624	1.281358	1.002688	0.985054	1.830255	1.263571	1.259687	0.0725	0.087376	0.009255
16657.542	3953.7389	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.33767	80.364164	8.92811
16657.542	3953.7389	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.33767	80.364164	8.92811
134.04316	18.089975	9.614381	164.518595	47.14342	317.955858	125.146193	41.023187		1.308421	1.299763
5678.4153	746.09116	444.30163	7158.76284	2281.8161	15092.7754	5992.32789	1717.2533		61.605515	75.247195
18.21	7.22	6.75	4.02	3.84	6.16	5.35	4.61	0.43	0.57	0.06
-16657.542	-3953.7389	-3272.3539	-2989.009	-4084.526	-8520.1014	-4684.573	-5446.9905	-122.33767	-80.364164	-8.92811
-103751.32	-33292.47	-29039.212	-16144.421	-22539.765	-31907.441	-25815.312	-29858.253	-1607.7856	-1767.305	-137.4885
0.52	0.09	0.09	1.34	0.24	1.69	0.74	0.22		0.01	
7113.0888	2049.7612	1577.0555	1410.666	1432.5491	3350.0567	2166.3596	1723.6161	101.8134	132.288	16.9987
0.58	0.24	0.27	0.22	0.11	0.22	0.12	0.18	0.02	0.05	

235.0392	97.2576	109.4148	89.1528	44.5764	89.1528	48.6288	72.9432	8.1048	20.262	
77395.083	26233.871	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.1102	1671.21801	198.720383
77395.083	26233.871	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.1102	1671.21801	198.720383
63687.427	21886.351	19248.663	15146.8482	14339.7051	28280.3441	19684.4123	17272.3056	1126.352	1390.91881	171.819983
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
235.0392	97.2576	109.4148	89.1528	44.5764	89.1528	48.6288	72.9432	8.1048	20.262	
77395.083	26233.871	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.1102	1671.21801	198.720383
13472.617	4250.2632	3645.0042	3286.3322	2802.125	5545.9658	3828.8236	3739.1556	228.6534	260.0372	26.9004

10.872012	11.025998	11.086042	11.260645	11.278102	11.201103	11.250813	11.247428	11.2692	11.219614	11.160415
0.715176	0.597788	0.565452	0.468882	0.480807	0.506447	0.489529	0.496958	0.487483	0.497849	0.527197
0.689977	0.575421	0.544065	0.240306	0.463965	0.486857	0.470307	0.475492	0.471975	0.480905	0.50979
465189.45	382062.87	257194.2	232463.464	417966.515	609201.166	571332.585	398967.508	393036.88	450339.678	555118.716
1954.5694	1836.2334	1387.1517	1275.24979	2165.02353	2567.87149	2525.46287	2178.23974	2095.8179	2118.60053	2227.56657
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
0.033693	0.037978	0.03663	0.029551	0.03557	0.039285	0.040612	0.044765	0.032328	0.034947	0.033457
291355.22	263748.75	245502.07	126911.689	213364.761	236875.034	229801.904	227058.232	240380.77	229599.872	236910.462
299900.31	272669.5	254602.78	130387.861	220539.89	244827.338	237596.719	233924.545	248979.39	237793.824	245267.207
2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185
462817.77	418964.89	389980.04	201599.218	338929.923	376275.991	365040.324	360682.001	381844.86	364719.397	376332.269
37755.54	40150.92	39242.94	24121.41	39395.01	41802.6	41744.88	40715.91	43823.91	41134.38	40339.62
107.26006	107.06912	106.63842	56.890117	107.051657	106.639285	106.49204	106.031015	107.41154	106.842545	107.286223
39072	41736	40848	47064	40848	43512	43512	42624	45288	42624	41736
111	111.296	111	111	111	111	111	111	111	110.711688	111
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
30.17319	30.692044	30.826781	32.012466	31.372129	31.157477	31.331777	31.419511	31.304642	31.281851	31.054153
29.949088	30.346766	30.49998	30.966627	31.006983	30.804331	30.933678	30.930186	30.979536	30.850459	30.697136
808476.13	734833.54	684036.37	360052.929	594002.842	659564.785	640188.947	633429.823	668942.98	641053.041	660119.661
944297.44	701161.71	607854.66	246087.666	426123.584	537331.799	496151.46	453944.489	489227.4	498572.992	539826.486
135821.31	-33671.836	-76181.71	-113965.26	-167879.26	-122232.99	-144037.49	-179485.33	-179715.58	-142480.05	-120293.18
944297.44	701161.71	607854.66	246087.666	426123.584	537331.799	496151.46	453944.489	489227.4	498572.992	539826.486
340.14	361.72	353.54	217.31	354.91	376.6	376.08	366.81	394.81	370.58	363.42
337427.67	345114.91	420280.09	116262.065	169552.366	43254.6985	61591.2021	225634.754	269422.14	182510.763	97970.1451
461858.3	405286.39	441912.68	112259.419	157478.277	49141.003	68448.3483	221123.621	254268.57	190194.486	107633.513

54.744021	56.119715	57.75409	42.102984	37.652124	28.807961	33.170427	41.827762	45.074757	45.229265	39.303518
11548.163	11645.979	14004.751	3897.49885	5590.02898	1458.93243	2072.28694	7528.16485	8894.5359	6091.25081	3311.02874
24.61598	23.499916	24.450455	20.669497	21.75881	20.158861	20.25833	20.682019	22.560484	22.091629	21.97192
24.105596	21.325512	19.504451	17.020461	17.94112	19.841707	19.76058	16.769683	18.740214	20.215274	21.65839
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
76.587539	64.042144	60.391217	26.673971	51.500201	54.041188	52.204122	52.779625	52.389318	53.241875	56.586734
-16470.061	-171533.31	-204505.64	-180302	-279405.02	-246047.57	-264154.94	-298168.67	-305362.61	-262491.9	-244126.27
-16470.061	-171533.31	-204505.64	-180302	-279405.02	-246047.57	-264154.94	-298168.67	-305362.61	-262491.9	-244126.27
15410.651	12369.825	8219.2171	7412.26515	13362.045	19725.2136	18391.7291	12739.2111	12480.306	14406.8712	17965.5833
465189.45	382062.87	257194.2	232463.464	417966.515	609201.166	571332.585	398967.508	393036.88	450339.678	555118.716
159.03	166.9	192.82	60.73	94.2	39.95	51.42	113.58	160.94	115.32	76.68
-135821.31	33671.836	76181.71	113965.263	167879.258	122232.986	144037.487	179485.334	179715.58	142480.05	120293.176
-597679.61	-371614.55	-365730.97	1705.84434	10400.9805	73091.9833	75589.1387	-41638.288	-74552.993	-47714.437	12659.6626
141.92	160.53	108.95	115.89	203.32	310.58	302.77	192.85	197.67	230.62	275.74
		0.002717	0.469339							
78243.383	72396.249	63084.234	36511.0712	66295.1876	85851.7723	82289.9131	64380.9166	72086.788	76014.4092	87644.132
0.75	0.98	0.84	1.45	0.83	0.91	0.93	1.13	0.83	1.05	0.9
5859	7655.76	6562.08	11327.4	6483.96	7108.92	7265.16	8827.56	6483.96	8202.6	7030.8
960767.5	872695.01	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.01	761064.894	783952.76
960767.5	872695.01	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.01	761064.894	783952.76
762718.08	691634.39	644582.81	331987.079	559469.812	621103.329	602637.044	594606.546	630824.25	602513.221	621599.476
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
5859	7655.76	6562.08	11327.4	6483.96	7108.92	7265.16	8827.56	6483.96	8202.6	7030.8
960767.5	872695.01	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.01	761064.894	783952.76
39899.045	35543.39	32891.473	16738.4507	28049.0695	31352.5361	30286.7437	29995.7165	31634.766	30337.2206	31489.3858
1.61	13.98	33.78	20.48	42.15	2.47	2.94	40.5	27.02	11.68	0.73

0.02784	0.022739	0.035896	0.03165	0.035733	0.031147	0.029464	0.030625	0.028088	0.022994	0.02984

1026.6	1102.35	1064.37	1231.74	1064.55	1139.37	1141.35	1116.72	1189.62	1125.51	1094.34
2.916477	2.9396	2.892309	2.905047	2.892798	2.906556	2.911607	2.908125	2.915735	2.923402	2.910478
1056	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

11.376722	11.508623	11.553294	11.847599	11.86486	11.730394	11.744603	11.896022	11.696242	11.640496	11.541988
0.782759	0.701211	0.680842	0.564245	0.562189	0.595581	0.597955	0.560028	0.614533	0.63044	0.653248
0.739945	0.6666	0.647419	0.344262	0.538195	0.569435	0.569468	0.469081	0.589805	0.600932	0.550527
269452.63	262349.77	239640.3	154199.827	213213.563	239761.887	239956.782	190534.606	255138	246054.6	218645.376
1145.0333	1271.2853	1301.3829	845.249881	1107.69458	1010.9008	1062.43466	1064.48663	1367.1432	1158.0984	872.754772
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
0.055539	0.050904	0.050298	0.046556	0.043885	0.04403	0.04551	0.048515	0.041544	0.045078	0.039175
126291.13	123213.38	117655.77	73619.2182	100617.555	112383.889	112455.167	91089.4097	120646.47	115247.185	102344.894
130053.96	127222.29	121821.14	75752.8417	103913.087	116072.328	116188.922	93908.4763	124779.93	119255.22	105848.026
2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478
128539.11	125406.58	119750.04	74929.6403	102408.547	114384.322	114456.869	92710.8011	122793.97	117298.585	104166.633
14295.35	15344.98	15028.07	11103.46	15129.55	16113.82	16048.89	13815.04	16815.15	15727.25	13602.62
40.611789	40.919946	40.837146	26.187405	41.112907	41.106683	40.941045	35.976666	41.213602	40.85	36.17718
15136	16168	15824	18232	15824	16856	16856	16512	17544	16512	16168
43	43.114666	43	43	43	43	43	43	43	42.888311	43
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
24.774169	25.07853	25.054568	26.547931	25.863691	25.559023	25.4952	26.513869	25.400323	25.267911	25.464859
24.267442	24.532379	24.619883	25.23281	25.262824	24.983846	25.010464	25.325782	24.91235	24.79766	24.599304
274519.1	268377.2	255604.73	164151.553	219335.609	245022.521	244400.706	202324.671	262209.53	250584.009	225836.126
374166.11	298447.89	268558.4	137063.08	187395.364	235242.128	225025.276	168782.95	233781.32	234177.93	220450.768
99647.017	30070.691	12953.67	-27088.473	-31940.245	-9780.3931	-19375.431	-33541.721	-28428.211	-16406.078	-5385.3578
374166.11	298447.89	268558.4	137063.08	187395.364	235242.128	225025.276	168782.95	233781.32	234177.93	220450.768
332.45	356.86	349.49	258.22	351.85	374.74	373.23	321.28	391.05	365.75	316.34
4.261612	733.36473	11868.293	2570.94743	1368.97914	5.210809		3597.78653	2473.0316	124.127256	3.185084
5.29631	842.4419	13897.461	2866.60737	1032.56245	4.541167		3381.71978	2637.816	131.707643	4.110513
0.115186	4.31176	12.745282	7.745185	6.565878	0.108983		10.553307	8.020381	1.960031	0.113525
0.171374	30.425986	496.77082	107.625242	53.94565	0.215087		147.776784	101.76556	5.155165	0.113525
27.296742	22.37254	23.702773	18.131979	24.369167	20.400531	19.531804	24.031235	23.766726	21.919699	21.866009
11.165694	17.97003	21.6321	17.936432	15.068457	7.084315	7.617403	16.091278	20.796595	12.968438	5.685162
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
31.817642	28.74024	27.839021	14.803278	23.142391	24.485714	24.487142	20.17052	25.361642	25.772987	23.672686
33634.644	-34332.944	-48544.999	-65569.238	-84533.041	-68523.452	-78155.746	-81154.155	-91490.119	-76645.782	-58881.034
33634.644	-34332.944	-48544.999	-65569.238	-84533.041	-68523.452	-78155.746	-81154.155	-91490.119	-76645.782	-58881.034

11199.639	10747.164	9747.9892	6168.96476	8462.45435	9598.18491	9598.96	7597.70322	10245.784	9917.44483	8900.81647
269452.63	262349.77	239640.3	154199.827	213213.563	239761.887	239956.782	190534.606	255138	246054.6	218645.376
	0.07	0.51	4.58	0.12			0.09	0.06	0.02	
-99647.017	-30070.691	-12953.67	27088.4727	31940.2453	9780.39308	19375.4307	33541.7207	28428.211	16406.0782	5385.3578
-99652.314	-30913.133	-26851.131	24221.8654	30907.6829	9775.85192	19375.4307	30160.0009	25790.394	16274.3706	5381.24729
2.18	4.21	5.13	129.91	3.55	2.54	4.39	2.15	2.43	4.29	2.66
			0.35849			0.002551	0.122395		0.002604	0.125
75306.262	70564.214	61725.201	43296.6234	64726.9936	84506.1162	81191.5046	53508.7786	70365.864	74595.0506	73530.2174
1.31	1.37	1.06	1.91	1.23	1.36	1.15	2.12	1.19	1.14	1.86
5062.2094	5294.0663	4096.1389	7380.77862	4753.06686	5255.42352	4443.9243	8192.27784	4598.4956	4405.28148	7187.56452
340531.47	332780.84	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.43	310823.712	279331.802
340531.47	332780.84	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.43	310823.712	279331.802
258593.07	252628.87	241571.18	150682.482	206321.634	230456.65	230645.791	186619.277	247573.91	236553.805	210014.659
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
5062.2094	5294.0663	4096.1389	7380.77862	4753.06686	5255.42352	4443.9243	8192.27784	4598.4956	4405.28148	7187.56452
340531.47	332780.84	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.43	310823.712	279331.802
10863.816	10454.262	9937.4172	6088.2923	8260.908	9310.448	9310.9912	7513.1156	10037.123	9624.922	8633.9021
		0.02	0.51	0.04			0.13			
0.040426	0.033351	0.020163	0.018514	0.040108	0.042857	0.02551	0.029973	0.02299	0.023151	0.025744
1013.31	1090.38	1081.74	1248.45	1059.72	1125.6	1146	1117.47	1195.86	1125.33	1098.96
2.878721	2.90768	2.93951	2.944457	2.879673	2.871428	2.923469	2.910078	2.931029	2.922935	2.922765
1056	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

10.145833	4.351182	3.086073	2.386103	3.253089	6.219476	4.087329	2.965402	0.14
0.028659	0.00478	0.003119	0.003894	0.005119	0.010289	0.005525	0.008214	0.000156
0.027812	0.004643	0.00301	0.003858	0.005027	0.010035	0.005382	0.007958	0.000156
657.49512	75.083765	21.85606	611.380211	119.932909	2143.07836	372.721761	261.791369	

2.723141	0.326619	0.107596	3.160167	0.42328	7.404253	1.372791	1.139816			
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
0.029588	0.02988	0.033668	0.028879	0.029103	0.029706	0.02667	0.034166	0.026556	0.032669	0.032433
6929.5	1227.3	779.8	1150.6	1316.9	2796.7	1495.9	2172.8	44.8		
23611.777	4628.8311	3405.1813	4285.20333	5663.6217	11905.1128	6375.6621	8087.64788	170.078		
2.617227	1.193522	0.94408	0.63866	0.941884	1.803441	1.205352	0.813494	0.037963		
219.73562	18.988845	5.6	163.609404	28.180924	498.724822	85.275165	79.137228			
17087.8	18274.7	17645.8	20649.4	17922.4	19002.9	19071.4	18547.9	19857.2	18568.1	18164.6
48.544886	48.732533	47.950543	48.701415	48.702173	48.476785	48.65153	48.301822	48.669607	48.228831	48.310106
17600	18800	18400	21200	18400	19600	19600	19200	20400	19200	18800
50	50.133333	50	50	50	50	50	50	50	49.870129	50
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
52.213561	22.411733	15.653235	11.933905	21.876763	45.154901	28.04419	19.84404	0.531493		
37.112619	16.821364	13.39722	9.028264	13.336499	25.535603	17.055485	11.606367	0.531493		
23722.803	4648.3851	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078		
28267.294	5156.8394	3777.7143	4750.93258	6714.44947	14182.2818	7347.51141	9803.53655	179.07149		
4544.4919	508.4543	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
28267.294	5156.8394	3777.7143	4750.93258	6714.44947	14182.2818	7347.51141	9803.53655	179.07149		
279.62	223.15	165.97	171.03	206.69	346.6	283.25	170.96	159.85	90.82	57.19
23065.307	4573.3013	3406.9702	3719.33112	5551.7188	9782.18544	6022.79234	7847.01851	170.078		
27454.041	5075.5793	3755.1278	4075.7645	6579.74342	11608.3495	6920.62505	9460.74874	179.07149		
15.423069	6.549987	4.35	3.262454	4.982288	9.031972	6.091225	4.834519	0.4		
473.86888	85.943653	55	70.177899	90.487076	161.351031	99.408916	147.233055	3.2		
51.071557	48.32331	56.891207	53.476483	68.045599	61.2295	60.827391	54.331624			
7.071799	1.449699	0.568912	5.288504	2.721823	16.531965	6.039652	1.629948			
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
1.390625	0.2328	0.150543	0.192924	0.251358	0.501785	0.269132	0.397916	0.007843		
4544.4919	508.4543	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
4544.4919	508.4543	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
15.631115	1.356346	0.4	11.6221	2.012923	35.348968	6.091083	5.566944			
657.49512	75.083765	21.85606	611.380211	119.932909	2143.07836	372.721761	261.791369			
6.22	1.29	0.83	1	1.27	2.51	1.48	1.93	0.06		
-4544.4919	-508.4543	-348.88797	-420.22125	-1042.7978	-2257.018	-951.99731	-1694.7267	-8.993491		
-31998.533	-5584.0336	-4104.0158	-4495.9858	-7622.5412	-13865.367	-7872.6224	-11155.475	-188.06499		
0.05	0.01	0.01	0.15	0.02	0.25	0.04	0.05			

3343.6995	501.1912	295.9658	418.7838	643.1134	1634.7431	786.7179	956.628	16.0845	
0.16	0.04	0.05	0.08		0.01	0.02	0.02		
82.976	17.684	22.105	43.528		4.421	12.922	8.842		
23722.803	4648.3851	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078	
23722.803	4648.3851	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078	
23611.777	4628.8311	3405.1813	4285.20333	5663.6217	11905.1128	6375.6621	8087.64788	170.078	
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2	
82.976	17.684	22.105	43.528		4.421	12.922	8.842		
23722.803	4648.3851	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078	
28.05	1.87	1.54	1.98	8.03	15.73	6.93	12.32		

0.026363	0.02851	0.022065	0.033844	0.030135	0.043239	0.033392	0.024218	0.027794	0.033984	0.031462

1370.88	1461.12	1439.52	1638.6	1427.64	1500.2	1515.64	1498.8	1586.64	1483.8	1456.68
3.894545	3.89632	3.911739	3.864622	3.879456	3.82704	3.866428	3.903125	3.888823	3.854025	3.874148
1408	1504	1472	1696	1472	1568	1568	1536	1632	1536	1504
4	4.010666	4	4	4	4	4	4	4	3.98961	4

10.278127	10.383388	10.418151	10.670558	10.647519	10.552662	10.582391	10.675914	10.548869	10.501678	10.452951
0.655717	0.526431	0.492915	0.346141	0.363538	0.396618	0.382036	0.388853	0.400032	0.422155	0.456964
0.623099	0.498124	0.462873	0.240734	0.346528	0.373558	0.357043	0.36998	0.38036	0.39966	0.430996
321674.59	257800.78	183961.04	143399.509	189642.059	230164.129	220010.415	199313.576	206573.57	228848.501	251289.702
1363.7498	1234.882	988.21475	786.190221	962.004946	954.92701	959.509028	1080.48222	1094.2184	1068.00437	1003.77123
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
0.050539	0.057499	0.060788	0.064669	0.049375	0.05875	0.067882	0.052421	0.051029	0.055572	0.06125
130476.27	112787.35	103062.9	63004.7134	79057.1024	90174.1324	86357.849	87674.5697	95399.441	93979.6204	98602.3536
134267.76	116909.63	107186.6	64824.9089	81968.1499	93531.1078	89630.642	90331.8701	99146.712	97702.3705	102448.693
2.5022	2.5022	2.5022	2.502199	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022
192087.17	166045.54	151729.21	92755.539	116387.866	132754.358	127136.025	129074.502	140447.06	138356.797	145162.385

19584.706	20766.668	20200.006	17202.03	20500.038	21621.642	21411.854	21322.782	22688.748	21251.876	20684.042
55.638369	55.377781	54.89132	40.570825	55.706624	55.157249	54.622076	55.528078	55.609676	55.199677	55.010749
20627.2	22033.6	21564.8	24846.4	21564.8	22971.2	22971.2	22502.4	23908.8	22502.4	22033.6
58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
28.376483	29.846104	29.884022	35.429927	30.852716	30.115947	30.727172	30.561659	30.183602	30.237785	29.996342
26.20795	26.4679	26.549553	27.190969	27.126589	26.888028	26.960554	27.198777	26.876537	26.757721	26.639675
352811.72	314627.39	289925.82	198900.904	226734.274	255382.069	247956.215	245748.297	271045.23	266234.25	277857.37
462913.66	336032.9	290082.3	145052.986	188500.975	237011.129	217962.579	208586.309	226346.39	236377.102	256486.417
110101.95	21405.508	156.47805	-53847.918	-38233.299	-18370.94	-29993.636	-37161.989	-44698.837	-29857.147	-21370.953
462913.66	336032.9	290082.3	145052.986	188500.975	237011.129	217962.579	208586.309	226346.39	236377.102	256486.417
334.21	354.38	344.49	293.55	349.83	368.97	365.39	363.87	387.18	362.66	352.97
10978.211	30532.376	79845.838	17111.8122	12375.6335	326.064848	775.089945	24172.2694	37476.242	11617.3985	974.611877
16722.733	39630.634	98879.738	19686.6246	12722.8911	363.187648	831.808045	26335.9587	42324.821	13463.0556	1135.04885
12.815881	19.468395	25.863651	16.620587	14.800689	2.8201	6.313915	17.356305	21.840952	16.647872	4.622891
429.81176	1182.9002	3078.7217	664.04475	467.563976	12.334298	29.985208	929.146473	1438.3241	447.576135	37.515231
26.185785	23.696254	25.181821	18.707865	23.623856	20.066557	21.056192	21.7689	24.40179	23.103718	22.817112
24.547325	23.203725	22.643446	17.631738	19.425638	17.675746	19.256286	18.041475	22.747854	22.59588	20.713669
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
36.513607	29.267957	27.12438	14.107014	20.306548	21.890505	20.922729	21.680875	22.289127	23.359298	25.256382
41901.997	-37548.44	-53714.502	-86780.482	-79556.446	-65504.959	-75132.884	-82989.486	-94564.125	-78980.295	-72910.403
41901.997	-37548.44	-53714.502	-86780.482	-79556.446	-65504.959	-75132.884	-82989.486	-94564.125	-78980.295	-72910.403
12422.978	9792.5838	6903.0503	5317.32925	7005.24602	8568.7437	8171.72479	7396.30953	7655.6399	8545.75386	9458.88477
321674.59	257800.78	183961.04	143399.509	189642.059	230164.129	220010.415	199313.576	206573.57	228848.501	251289.702
1.31	2.79	5.87	12.19	1.61	0.08	0.15	2.94	3.7	1.84	0.32
-110101.95	-21405.508	-156.47805	53847.9184	38233.2987	18370.94	29993.636	37161.9886	44698.837	29857.1473	21370.953
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15.25	17.84	11.79	57.67	16.05	23.69	21.44	22	15.55	19.12	18.69
		0.002717	0.261792							
71795.218	65553.268	56887.43	43647.1661	60729.0676	78661.1675	73959.5114	60464.051	65563.037	69115.3581	78493.0553
1.15	1.5	1.49	2.19	1.41	1.42	1.55	1.27	1.54	1.47	1.46
20158.914	26294.235	26118.94	38389.5831	24716.5809	24891.8758	27170.7095	22262.4523	26995.415	25768.3503	25593.0554
421011.66	373581.34	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.51	315357.397	329396.82
421011.66	373581.34	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.51	315357.397	329396.82
326354.94	282955.17	258915.81	157580.448	198356.016	226285.465	216766.667	219406.372	239593.77	236059.168	247611.078

12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
20158.914	26294.235	26118.94	38389.5831	24716.5809	24891.8758	27170.7095	22262.4523	26995.415	25768.3503	25593.0554
421011.66	373581.34	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.51	315357.397	329396.82
6297.8671	5377.9872	4891.0683	2930.87326	3661.6769	4204.72822	4018.8379	4079.47344	4456.0424	4406.7317	4653.236
	0.01	0.38	1.52	0.48			0.51	0.06	0.05	
8.1	3.6	1.65	1.95	2.7	5.55	3.3	2.7	0.15		
0.022996	0.002734	0.001889	0.002414	0.004378	0.008716	0.004153	0.007286	0.000051		
0.022471	0.002686	0.001793	0.002358	0.004293	0.008596	0.00403	0.007005	0.000049		
90.930875			17.905557	16.522255	386.775056	28.759117	55.226524			
0.383782			0.092933	0.053588	1.346006	0.101815	0.244146			
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		
0.027755	0.032632	0.033777	0.027216	0.022391	0.03176	0.040229	0.03414	0.031225	0.030963	0.024308
1661.1	212.1	138.6	210	331.8	707.7	331.8	564.9	4.2		
5508.346	843.53645	607.67237	792.679124	1426.25229	3010.77424	1422.8438	2085.31642	15.944812		
1.91555	0.988668	0.476281	0.485703	0.746125	1.534677	0.91274	0.702867	0.037963		
26.739572			4.251628	4.2	89.74596	6.673763	16.781429			
4791.22	5092.22	4977.98	5774.44	5036.64	5313.7	5267.22	5192.46	5533.64	5209.54	5136.04
13.61142	13.579253	13.527119	13.618962	13.686521	13.555357	13.436785	13.522031	13.562843	13.531272	13.65968
4928	5264	5152	5936	5152	5488	5488	5376	5712	5376	5264
14	14.037333	14	14	14	14	14	14	14	13.963636	14
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		
28.925185	14.830029	7.144229	8.455738	11.249581	23.020166	13.691113	10.54301	0.569457		
28.925185	14.830029	7.144229	8.455738	11.249581	23.020166	13.691113	10.54301	0.569457		
5539.846	843.53645	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812		
6539.1346	925.79693	663.62436	858.811467	1656.89806	3544.01042	1624.22494	2470.40655	16.361991		
999.28864	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178		
6539.1346	925.79693	663.62436	858.811467	1656.89806	3544.01042	1624.22494	2470.40655	16.361991		
158.71	118.5	96.02	116.91	129.11	185.3	143.52	119.18	89.1	42.43	34.59
5448.9151	843.53645	607.67237	827.273567	1420.23004	2623.99918	1394.08468	2030.0899	15.944812		
6428.4406	925.79693	663.62436	843.697851	1639.77372	3096.79641	1594.09051	2399.2851	16.361991		
7.415334	3.36	1.54	1.639214	2.38	4.94224	3.061106	2.515044	0.14		
108.95736	14.14	9.24	13.716558	21.84	41.196935	21.675082	36.541238	0.28		
55.957256			66.198266	61.419153	64.608653	66.451735	52.285945			
2.797862			1.618158	0.614191	8.399124	3.322586	0.522859			

110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28			
0.314602	0.037706	0.025108	0.033018	0.060108	0.120357	0.056428	0.098072	0.000686			
999.28864	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178			
999.28864	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178			
1.782638			0.283441	0.28	5.983064	0.444917	1.118761				
90.930875			17.905557	16.522255	386.775056	28.759117	55.226524				
5.34	0.84	0.51	0.84	0.87	1.71	0.99	1.6	0.02			
-999.28864	-82.260483	-55.951992	-13.632343	-220.14576	-533.23618	-201.38114	-385.09013	-0.417178			
-7427.7292	-1008.0574	-719.57636	-857.33019	-1859.9195	-3630.0326	-1795.4716	-2784.3752	-16.77917			
0.09			0.01	0.02	0.23	0.02	0.03				
1868.5869	222.1683	132.3098	191.4517	350.0085	918.6386	399.3753	549.7977	3.9979			
0.03			0.05	0.01							
31.5			52.5	10.5							
5539.846	843.53645	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812			
5539.846	843.53645	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812			
5508.346	843.53645	607.67237	792.679124	1426.25229	3010.77424	1422.8438	2085.31642	15.944812			
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28			
31.5			52.5	10.5							
5539.846	843.53645	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812			

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0.429013	0.350232	0.332181	0.207301	0.271356	0.292005	0.281782	0.277822	0.282471	0.291055	0.302502	
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1062743.5	903034.59	681261.7	537850.849	823240.409	1096749.81	1037693.59	790849.962	854748.45	925304.384	1025129.04	
4489.96	4346.1108	3679.0541	2947.52888	4244.55177	4596.00404	4571.37523	4332.23171	4557.1795	4344.97861	4104.35832	
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422	
0.03448	0.03536	0.035331	0.033636	0.032922	0.037942	0.036015	0.036799	0.031408	0.034384	0.032558	
573129.6	506367.83	471580.58	268900.614	398102.505	449695.21	435108.039	413116.07	456754.29	439143.533	437890.488	
657029.58	544160.14	506872.03	291190.342	427850.706	497627.005	470899.201	445610.161	474218.41	456142.333	453735.746	
2.509579	2.469193	2.466433	2.453161	2.468283	2.48326	2.466888	2.485275	2.44411	2.444538	2.458982	
783444.06	710417.01	661459.29	369284.397	557726.336	623414.67	606633.219	582467.304	645085.89	620374.779	625661.287	
1509.0277	189.37833	96.157857	1717.46168	476.424803	3583.29702	1270.70092	482.316059		12.324024	12.24247	
124446.34	132496.65	129370.16	116085.615	130471.863	138091.367	137950.624	133193.822	144588.79	135504.691	131107.692	
353.54074	353.32439	351.54935	273.786827	354.543105	352.273895	351.914857	346.858911	354.38428	351.960236	348.69067	

129219.2	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6
367.1	368.07893	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.1	366.146493	367.099999
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
201.1858	149.57954	133.52765	127.981625	142.976419	186.232544	151.596566	139.571108	94.127773	95.720627	89.941568
28.499035	28.297461	28.389832	28.785838	29.031913	28.99197	28.88078	29.167683	28.536163	28.406614	28.365588
1542464.7	1349563.9	1256606.5	746803.61	1064367.53	1208820.88	1163926.09	1112781.32	1203746.9	1159542.52	1164011.88
1910236.3	1371912.7	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.98	970879.606	1016971.32
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1910236.3	1371912.7	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.98	970879.606	1016971.32
1684	1578.61	1464.1	1174	1561.81	1895.06	1741.91	1478.46	1581.98	1355.91	1231.09
448641.03	407285.27	538567.64	151855	205173.518	74814.8461	87352.7059	282649.07	310920.54	195861.902	99071.4152
599562.59	481099.57	584875.49	152887.525	197908.487	87601.2173	98925.6108	287112.596	300912.09	205476.19	108901.233
21.478412	18.474303	19.512886	12.509421	13.772582	11.54489	10.907936	15.267472	13.836015	18.30409	11.555043
14169.829	13491.139	18106.409	5013.68471	6539.22226	2073.53393	2593.52996	9231.55922	10467.686	6576.31369	3350.83773
29.578806	24.472009	25.030986	21.589557	24.964061	28.424257	24.760329	23.518824	23.536267	22.656568	22.628282
29.324282	23.428163	21.900318	20.000314	20.19518	28.215621	24.504566	18.616042	21.077662	21.594677	22.458571
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
151.57544	123.78709	116.81163	56.812896	96.245663	102.869806	99.203127	96.386697	100.12112	102.461537	105.525058
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39184.725	32929.019	24880.271	19074.9833	28879.1817	38251.4301	36294.096	27780.9328	30381.73	32871.3783	36326.5843
1062743.5	903034.59	681261.7	537850.849	823240.409	1096749.81	1037693.59	790849.962	854748.45	925304.384	1025129.04
190.11	179.11	207.29	83.36	101.91	50.41	59.39	124.75	165.21	117.75	77.06
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160.01	182.68	125.97	304.97	223.2	338.98	329.4	217.3	215.65	254.04	297.09
		0.000494	0.099056			0.000231	0.011126		0.000236	0.011363
237670.24	211286.85	183702.2	125475.762	194176.92	254922.494	240793.382	181583.788	208137.58	219857.106	239684.403
3.98	4.13	3.71	5.9	3.59	3.92	3.77	4.72	3.58	3.71	4.22
31429.638	39359.003	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
1828968.4	1610783	1500300.1	884553.679	1269809.24	1438512.53	1387963.11	1324904.59	1442321.1	1388917.22	1392880.1
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31429.638	39359.003	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199

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70561.395	55627.773	51366.502	29045.9285	42781.8094	50429.4081	47452.3264	45339.7811	46356.585	44628.9115	44803.4243
1.61	13.99	34.18	22.51	42.67	2.47	2.94	41.14	27.08	11.73	0.73
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
178646.96	147721.79	70281.63	284464.185	168312.856	484449.574	436195.556	137163.997	138060.97	239257.184	420297.149
744.76913	701.71693	374.05487	1546.08945	825.763025	2022.09	1904.46909	722.081188	718.55416	1113.17077	1680.78985
-83127.342	-77697.952	-67671.757	-77150.756	-70691.388	-92259.396	-88303.939	-69690.476	-76229.255	-81468.359	-93297.614
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
178646.96	147721.79	70281.63	284464.185	168312.856	484449.574	436195.556	137163.997	138060.97	239257.184	420297.149
159.03	180.87	124.03	316.06	220.74	337.95	328.18	215.22	212.4	252.53	296.83
145.67448	127.69152	100.42922	140.141837	141.531057	189.486649	180.074767	138.995147	111.23073	139.157935	175.801215
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2710520.3	2085787.6	1658886.5	1716476.87	1580242.91	2516610.99	2320671.74	1443304.15	1701939.6	2004392.66	2529711.43
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
178646.96	147721.79	70281.63	284464.185	168312.856	484449.574	436195.556	137163.997	138060.97	239257.184	420297.149
744.76913	701.71693	374.05487	1546.08945	825.763025	2022.09	1904.46909	722.081188	718.55416	1113.17077	1680.78985
-83127.342	-77697.952	-67671.757	-77150.756	-70691.388	-92259.396	-88303.939	-69690.476	-76229.255	-81468.359	-93297.614
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
178646.96	147721.79	70281.63	284464.185	168312.856	484449.574	436195.556	137163.997	138060.97	239257.184	420297.149
159.03	180.87	124.03	316.06	220.74	337.95	328.18	215.22	212.4	252.53	296.83
145.67448	127.69152	100.42922	140.141837	141.531057	189.486649	180.074767	138.995147	111.23073	139.157935	175.801215

58.21188	45.536587	32.430573	55.969966	44.393418	78.278511	73.036494	45.687001	37.798053	51.549861	73.032823
9999.9897	8641.1618	4217.4853	17949.6704	10102.5972	26798.7985	24333.4702	10238.2546	8269.4649	13318.1971	22184.8725
-83127.342	-77697.952	-67671.757	-77150.756	-70691.388	-92259.396	-88303.939	-69690.476	-76229.255	-81468.359	-93297.614
-236.15722	-207.19454	-183.89065	-181.95933	-192.09616	-235.3556	-225.26515	-181.48562	-186.83641	-211.60613	-248.13195
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2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
2710520.3	2085787.6	1658886.5	1716476.87	1580242.91	2516610.99	2320671.74	1443304.15	1701939.6	2004392.66	2529711.43
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28

4065.3615	3929.3452	4106.8513	4707.4672	3647.53352	3012.13824	3278.47856	3877.15139	4835.5737	4357.79926	4196.97126
124381.12	97433.059	96590.732	87375.9871	69211.8425	59917.4226	65585.5614	70673.2864	99385.081	93162.8002	93011.2209
		57.840816	1.514857	22.033568			36.644646	5.075546		
		0.893925	0.057577	0.745768			1.26132	0.161428		
		2.472997	0.077994	2.097739			2.640353	0.284423		
24.414943	21.032549	20.3643	18.504106	13.450926	25.953959	15.86838	16.858413	21.209271	22.786757	20.339831
1.220747	0.630976	3.258288	12.582792	0.538037	0.519079	0.952102	1.854425	0.212092	1.139337	2.033983
4065.3615	3929.3452	4106.8513	4707.4672	3647.53352	3012.13824	3278.47856	3877.15139	4835.5737	4357.79926	4196.97126
11.549322	10.478253	11.159921	11.102516	9.911775	7.684026	8.363465	10.096748	11.851896	11.318959	11.162157
124381.12	97433.059	96590.732	87375.9871	69211.8425	59917.4226	65585.5614	70673.2864	99385.081	93162.8002	93011.2209
124381.12	97433.059	96590.732	87375.9871	69211.8425	59917.4226	65585.5614	70673.2864	99385.081	93162.8002	93011.2209
4065.3615	3929.3452	4104.3783	4707.3892	3645.43578	3012.13824	3278.47856	3874.51104	4835.2893	4357.79926	4196.97126

-124381.12	-97433.059	-96590.732	-87375.987	-69211.842	-59917.423	-65585.561	-70673.286	-99385.081	-93162.8	-93011.221
-124381.12	-97433.059	-96648.573	-87377.502	-69233.876	-59917.423	-65585.561	-70709.931	-99390.156	-93162.8	-93011.221

0.27	0.22	0.56	12.67	0.22	0.14	0.27	0.81	0.06	0.48	1.12
81162.791	75508.377	67671.757	75612.7261	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	90925.1803
4065.3615	3929.3452	4106.8513	4707.4672	3647.53352	3012.13824	3278.47856	3877.15139	4835.5737	4357.79926	4196.97126
4065.3615	3929.3452	4106.8513	4707.4672	3647.53352	3012.13824	3278.47856	3877.15139	4835.5737	4357.79926	4196.97126
124381.12	97433.059	96590.732	87375.9871	69211.8425	59917.4226	65585.5614	70673.2864	99385.081	93162.8002	93011.2209
124381.12	97433.059	96590.732	87375.9871	69211.8425	59917.4226	65585.5614	70673.2864	99385.081	93162.8002	93011.2209
246887	260862.56	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.79	245528.589	244635.777
1050.4355	1270.981	1535.7409	1628.3638	1118.09395	761.086668	776.782178	1201.20881	1365.7778	1164.2066	992.078789
7458.8216	7881.0443	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.1206	7417.78214	7410.19061
226294.47	194032.92	197077.78	163604.437	121084.52	111747.034	107781.125	118464.643	155451.43	158393.857	165285.309
7458.8216	7881.0443	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.1206	7417.78214	7410.19061
21.189834	21.016118	23.055185	21.01261	17.207576	13.574764	13.306815	16.845152	18.745393	19.266966	19.707953
-20592.53	-66829.648	-83752.815	-131294.94	-88517.524	-64388.25	-64877.465	-95643.984	-97701.368	-87134.732	-80023.352
-20592.53	-66829.648	-83752.815	-131294.94	-88517.524	-64388.25	-64877.465	-95643.984	-97701.368	-87134.732	-80023.352
7458.8216	7881.0443	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.1206	7417.78214	7390.22148
246887	260862.56	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.79	245528.589	244635.777
20592.53	66829.648	83752.815	131294.939	88517.5235	64388.2502	64877.4654	95643.9838	97701.368	87134.7319	80023.3518
20592.53	66829.648	83752.815	131294.939	88517.5235	64388.2502	64877.4654	95643.9838	97701.368	87134.7319	80023.3518
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
246887	260862.56	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.79	245528.589	245308.661
246887	260862.56	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.79	245528.589	245308.661
7458.8216	7881.0443	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.1206	7417.78214	7410.19061
246887	260862.56	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.79	245528.589	245308.661
246887	260862.56	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.79	245528.589	245308.661
7458.8216	7881.0443	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.1206	7417.78214	7410.19061
226294.47	194032.92	197077.78	163604.437	121084.52	111747.034	107781.125	118464.643	155451.43	158393.857	165285.309
-20592.53	-66829.648	-83752.815	-131294.94	-88517.524	-64388.25	-64877.465	-95643.984	-97701.368	-87134.732	-80023.352
246887	260862.56	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.79	245528.589	245308.661
246117.34	260099.29	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.06	244805.224	243970.699
1047.1456	1267.3162	1529.4812	1623.08326	1117.17301	757.800878	773.701034	1198.45056	1362.7226	1160.78731	989.454185
8379.8891	8855.9513	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.0827	8335.21361	8328.95845
254236.21	218027.39	221243.51	183793.963	136255.457	125490.011	121027.933	133195.137	174786.13	177974.549	185762.145

			21.63117							
			2.379428							
8379.8891	8855.9513	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.0827	8335.21361	8328.95845
23.806503	23.61587	25.879194	23.604695	19.374725	15.234098	14.937731	18.940213	21.076183	21.649905	22.151485
8118.8695	-42071.9	-58462.962	-110152.47	-73149.675	-49900.772	-50950.762	-80414.11	-77768.931	-66830.675	-58883.645
8118.8695	-42071.9	-58462.962	-110152.47	-73149.675	-49900.772	-50950.762	-80414.11	-77768.931	-66830.675	-58883.645
8379.8891	8855.9513	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.0827	8335.21361	8306.477
246117.34	260099.29	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.06	244805.224	243970.699
-8118.8695	42071.9	58462.962	110152.471	73149.675	49900.7723	50950.762	80414.11	77768.931	66830.6748	58883.6451
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			0.44							
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
246117.34	260099.29	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.06	244805.224	244645.79
246117.34	260099.29	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.06	244805.224	244645.79
8379.8891	8855.9513	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.0827	8335.21361	8328.95845
246117.34	260099.29	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.06	244805.224	244645.79
246117.34	260099.29	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.06	244805.224	244645.79
8379.8891	8855.9513	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.0827	8335.21361	8328.95845
254236.21	218027.39	221243.51	183793.963	136255.457	125490.011	121027.933	133195.137	174786.13	177974.549	185762.145
8118.8695	-42071.9	-58462.962	-110152.47	-73149.675	-49900.772	-50950.762	-80414.11	-77768.931	-66830.675	-58883.645
246117.34	260099.29	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.06	244805.224	244645.79
3964.7901	3817.7453	4053.8484	4599.78768	3738.84895	3013.0184	3374.02913	3866.38728	4713.0468	4223.90958	4114.43145
121168.54	94757.018	95364.413	85451.894	70631.0095	60046.1008	67205.4907	70399.3193	96841.466	90479.26	90952.4454
			10.552899							
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3964.7901	3817.7453	4053.8484	4599.78768	3738.84895	3013.0184	3374.02913	3866.38728	4713.0468	4223.90958	4114.43145
11.263608	10.180654	11.015892	10.848555	10.159915	7.686271	8.607217	10.068716	11.551585	10.971193	10.942636
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121168.54	94757.018	95364.413	85451.894	70631.0095	60046.1008	67205.4907	70399.3193	96841.466	90479.26	90952.4454
3964.7901	3817.7453	4053.8484	4599.78768	3738.84895	3013.0184	3374.02913	3866.38728	4713.0468	4223.90958	4114.43145
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81128.92	75376.216	67671.757	75513.6229	68864.8378	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	90877.526
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3857.515	3918.605	3901.0777	4528.96839	3420.12575	2809.90763	2927.58139	3642.55119	4651.3342	4244.08737	3841.84663
118444.2	97206.981	91860.793	84423.5184	65643.8575	56610.9698	59312.5723	66837.7244	95891.272	90744.2903	85833.5215
			15.318473							
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3857.515	3918.605	3901.0777	4528.96839	3420.12575	2809.90763	2927.58139	3642.55119	4651.3342	4244.08737	3841.84663
10.958849	10.449613	10.600754	10.681529	9.293819	7.168131	7.468319	9.48581	11.400328	11.023603	10.217677
118444.2	97206.981	91860.793	84423.5184	65643.8575	56610.9698	59312.5723	66837.7244	95891.272	90744.2903	85833.5215
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			0.03							
83127.342	75470.169	66090.434	75445.9762	67305.2884	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	90039.8792
3857.515	3918.605	3901.0777	4528.96839	3420.12575	2809.90763	2927.58139	3642.55119	4651.3342	4244.08737	3841.84663
3857.515	3918.605	3901.0777	4528.96839	3420.12575	2809.90763	2927.58139	3642.55119	4651.3342	4244.08737	3841.84663
118444.2	97206.981	91860.793	84423.5184	65643.8575	56610.9698	59312.5723	66837.7244	95891.272	90744.2903	85833.5215
118444.2	97206.981	91860.793	84423.5184	65643.8575	56610.9698	59312.5723	66837.7244	95891.272	90744.2903	85833.5215
175524.62	189768.39	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.85	144243.425	170941.046
747.07571	924.764	1142.9803	986.509575	1037.3476	885.418867	893.593999	865.590361	727.94951	683.523228	692.247543
3426.2077	3704.2434	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.703	2815.60463	3336.73719
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9.733544	9.877982	11.053061	8.235481	10.35983	10.207858	9.911589	7.841322	6.425742	7.313258	8.874301

-71511.933	-99156.93	-115747.21	-115343.54	-122856.06	-122199.72	-119271.14	-98917.173	-81204.358	-84894.113	-96667.671
-71511.933	-99156.93	-115747.21	-115343.54	-122856.06	-122199.72	-119271.14	-98917.173	-81204.358	-84894.113	-96667.671
3426.2077	3704.2434	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.703	2815.60463	3336.73719
175524.62	189768.39	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.85	144243.425	170941.046
71511.933	99156.93	115747.21	115343.543	122856.064	122199.721	119271.138	98917.1729	81204.358	84894.1134	96667.6707
71511.933	99156.93	115747.21	115343.543	122856.064	122199.721	119271.138	98917.1729	81204.358	84894.1134	96667.6707
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
175524.62	189768.39	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.85	144243.425	170941.046
175524.62	189768.39	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.85	144243.425	170941.046
3426.2077	3704.2434	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.703	2815.60463	3336.73719
175524.62	189768.39	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.85	144243.425	170941.046
175524.62	189768.39	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.85	144243.425	170941.046
3426.2077	3704.2434	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.703	2815.60463	3336.73719
104012.69	90611.462	92632.169	63543.6239	72454.0889	82796.1317	79774.9861	55339.8234	53105.489	59349.312	74273.3753
-71511.933	-99156.93	-115747.21	-115343.54	-122856.06	-122199.72	-119271.14	-98917.173	-81204.358	-84894.113	-96667.671
175524.62	189768.39	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.85	144243.425	170941.046

194744.95	280654.39	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.91	271130.195	251255.602
833.14064	1377.4531	1700.9421	1498.31481	1360.24084	935.825794	989.399971	1389.29685	1708.5396	1287.38403	1027.67963
2790.0423	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.483	3884.38674	3611.09152
84511.619	97647.102	101681.39	70070.2981	66603.596	60522.0172	61750.3337	63940.9594	90983.477	81518.0897	79030.3923
2790.0423	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.483	3884.38674	3611.09152
7.926256	10.72223	12.063366	9.151829	9.865472	7.85599	8.007852	9.206226	11.052654	10.089316	9.603966
-110233.33	-183007.29	-208183.06	-200779.93	-186804.87	-154430.45	-157357.31	-182815.37	-223778.43	-189612.1	-173044.01
-110233.33	-183007.29	-208183.06	-200779.93	-186804.87	-154430.45	-157357.31	-182815.37	-223778.43	-189612.1	-173044.01
2790.0423	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.483	3884.38674	3599.47199
194744.95	280654.39	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.91	271130.195	251255.602
110233.33	183007.29	208183.06	200779.927	186804.869	154430.447	157357.311	182815.374	223778.43	189612.105	173044.014
110233.33	183007.29	208183.06	200779.927	186804.869	154430.447	157357.311	182815.374	223778.43	189612.105	173044.014
81432.451	77578.529	67671.757	77062.7212	70551.7356	90929.5984	87102.9421	69410.5741	76229.255	81396.7136	92709.4988
194744.95	280654.39	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.91	271130.195	252074.406
194744.95	280654.39	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.91	271130.195	252074.406
2790.0423	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.483	3884.38674	3611.09152
194744.95	280654.39	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.91	271130.195	252074.406
194744.95	280654.39	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.91	271130.195	252074.406

2790.0423	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.483	3884.38674	3611.09152
84511.619	97647.102	101681.39	70070.2981	66603.596	60522.0172	61750.3337	63940.9594	90983.477	81518.0897	79030.3923
-110233.33	-183007.29	-208183.06	-200779.93	-186804.87	-154430.45	-157357.31	-182815.37	-223778.43	-189612.1	-173044.01
194744.95	280654.39	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.91	271130.195	252074.406
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	910803.123
3677.7975	4840.5144	5909.1444	5736.27144	4632.85539	3340.13221	3433.47718	4654.54658	5164.9895	4295.90116	3701.46015
33942.627	36127.771	38576.474	40126.1804	31711.7065	27209.1673	27676.3723	31673.9292	37578.344	35278.7833	34840.2271
1033048.9	889715.93	896450.79	738263.722	601884.371	557129.688	562438.003	578850.893	766444.34	751622.158	774148.409
		57.840816	1.514857	22.033568			36.644646	5.075546		
		0.127703	0.008225	0.106538			0.180188	0.023061		
		2.472997	0.077994	2.097739			2.640353	0.284423		
24.414943	21.032549	20.3643	18.731974	13.450926	25.953959	15.86838	16.858413	21.209271	22.786757	20.339831
1.220747	0.630976	3.258288	12.737742	0.538037	0.519079	0.952102	1.854425	0.212092	1.139337	2.033983
33942.627	36127.771	38576.474	40126.1804	31711.7065	27209.1673	27676.3723	31673.9292	37578.344	35278.7833	34840.2271
96.427918	96.340722	104.82738	94.637217	86.173115	69.411141	70.60299	82.48419	92.103784	91.633203	92.660178
169774.94	-101668.71	-182330.11	-300319.48	-265841.42	-214344.7	-200353.05	-249880.31	-188335.27	-154085.27	-138821.49
169774.94	-101668.71	-182330.11	-300319.48	-265841.42	-214344.7	-200353.05	-249880.31	-188335.27	-154085.27	-138821.49
33942.627	36127.771	38574.001	40126.1024	31709.6088	27209.1673	27676.3723	31671.2889	37578.06	35278.7833	34786.157
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	910803.123
-169774.94	101668.71	182330.11	300319.48	265841.422	214344.697	200353.052	249880.311	188335.27	154085.274	138821.493
-169774.94	101668.71	182272.27	300317.965	265819.388	214344.697	200353.052	249843.666	188330.2	154085.274	138821.493
0.27	0.22	0.56	13.16	0.22	0.14	0.27	0.81	0.06	0.48	1.12
576233.53	537027.15	472120.98	535087.315	489487.413	644485.974	616926.574	487553.432	533604.78	570206.866	644444.926
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	912969.902
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	912969.902
33942.627	36127.771	38576.474	40126.1804	31711.7065	27209.1673	27676.3723	31673.9292	37578.344	35278.7833	34840.2271
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	912969.902
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	912969.902
33942.627	36127.771	38576.474	40126.1804	31711.7065	27209.1673	27676.3723	31673.9292	37578.344	35278.7833	34840.2271
1033048.9	889715.93	896450.79	738263.722	601884.371	557129.688	562438.003	578850.893	766444.34	751622.158	774148.409
169774.94	-101668.71	-182330.11	-300319.48	-265841.42	-214344.7	-200353.05	-249880.31	-188335.27	-154085.27	-138821.49
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	912969.902

10.836854	10.980181	11.032523	11.247618	11.277224	11.179819	11.221693	11.247141	11.214295	11.160589	11.077232
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2531873.3	1938065.8	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.7	1765135.48	2109414.28
2104664.4	2042141	1830324.2	1860898.24	1859279.06	2352673.77	2236680.2	1756745.16	1947589	2070269	2356229.31
8912.5266	9888.3421	9962.2534	10229.8898	9703.17019	9958.22625	9909.3215	9708.85948	10440.723	9754.05054	9486.60832
4169.8392	4849.9776	13891.397	-12935.908	-3561.2772	-24725.265	-21739.94	-1004.0551	2198.505	-6741.8834	-18779.965
2990381.8	3194271.4	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.3	3262234.64	3194441.33
0.03448	0.03536	0.035331	0.033636	0.032922	0.037942	0.036015	0.036799	0.031408	0.034384	0.032558
573129.6	506367.83	471580.58	268900.614	398102.505	449695.21	435108.039	413116.07	456754.29	439143.533	437890.488
657029.58	544160.14	506872.03	291190.342	427850.706	497627.005	470899.201	445610.161	474218.41	456142.333	453735.746
2.509579	2.469193	2.466433	2.453161	2.468283	2.48326	2.466888	2.485275	2.44411	2.444538	2.458982
783444.06	710417.01	661459.29	369284.397	557726.336	623414.67	606633.219	582467.304	645085.89	620374.779	625661.287
1509.0277	189.37833	96.157857	1717.46168	476.424803	3583.29702	1270.70092	482.316059		12.324024	12.24247
124446.34	132496.65	129370.16	116085.615	130471.863	138091.367	137950.624	133193.822	144588.79	135504.691	131107.692
353.54074	353.32439	351.54935	273.786827	354.543105	352.273895	351.914857	346.858911	354.38428	351.960236	348.69067
129219.2	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6
367.1	368.07893	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.1	366.146493	367.099999
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
201.1858	149.57954	133.52765	127.981625	142.976419	186.232544	151.596566	139.571108	94.127773	95.720627	89.941568
28.499035	28.297461	28.389832	28.785838	29.031913	28.99197	28.88078	29.167683	28.536163	28.406614	28.365588
1542464.7	1349563.9	1256606.5	746803.61	1064367.53	1208820.88	1163926.09	1112781.32	1203746.9	1159542.52	1164011.88
1910236.3	1371912.7	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.98	970879.606	1016971.32
83127.342	77697.952	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.255	81468.3587	93297.6138
367771.6	22348.817	-59394.369	-191478.79	-232705.33	-139073.96	-187568.6	-242662.24	-252710.88	-188662.91	-147040.56
2943285.1	2261628.7	2093662.9	1293588.54	1433546.57	1626876.6	1538795.49	1448969.98	1717480.3	1722501.76	1791119.73
1684	1578.61	1464.1	1174	1561.81	1895.06	1741.91	1478.46	1581.98	1355.91	1231.09
448641.03	407285.27	538567.64	151855	205173.518	74814.8461	87352.7059	282649.07	310920.54	195861.902	99071.4152
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
178646.96	147721.79	70281.63	284464.185	168312.856	484449.574	436195.556	137163.997	138060.97	239257.184	420297.149
159.03	180.87	124.03	316.06	220.74	337.95	328.18	215.22	212.4	252.53	296.83
145.67448	127.69152	100.42922	140.141837	141.531057	189.486649	180.074767	138.995147	111.23073	139.157935	175.801215

3.880792	3.035772	2.162038	3.731331	2.959561	5.218567	4.869099	3.0458	2.69986	4.295821	6.086068
10,000	8,641	4,217	17,950	10,103	26,799	24,333	10,238	8,269	13,318	22,185
599562.59	481099.57	584933.33	152889.04	197930.521	87601.2173	98925.6108	287149.24	300917.17	205476.19	108901.233
10.023259	8.621341	9.165608	5.841568	6.476923	5.387615	5.09037	7.208908	5.941251	6.101363	3.851681
14,170	13,491	18,109	5,014	6,541	2,074	2,594	9,234	10,468	6,576	3,351
29.54121	24.454662	24.84393	21.185043	24.873493	28.447433	24.639794	23.328152	23.527306	22.684161	22.548452
29.287997	23.418118	21.828931	19.85734	20.141712	28.239554	24.386584	18.553459	21.076316	21.62949	22.383009
4169.8392	4849.9776	13891.397	-12935.908	-3561.2772	-24725.265	-21739.94	-1004.0551	2198.505	-6741.8834	-18779.965
11.846134	12.933273	37.74836	-30.509216	-9.677383	-63.074654	-55.459031	-2.614726	5.388492	-17.511385	-49.946714
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-63.429966	-70.453556	-76.8686	-73.415605	-74.197088	-64.515335	-66.025983	-75.714154	-74.916779	-68.745554	-62.385822
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73127.352	69056.79	63454.272	59201.0857	60588.7905	65460.5974	63970.4684	59452.2217	67959.79	68150.1616	71112.7413
1926017.4	1894419.2	1760042.6	1576434.05	1690966.2	1868224.2	1800484.65	1619581.17	1809528.1	1831011.82	1935932.17
4984708.6	5211657.1	4956637.5	5525861.7	5036785	5715777.94	5602595.7	5060917.34	5471049.1	5370118.3	5589717.66
4563792.9	4878279.3	4441985.8	5657436.85	5007167.34	6112626.29	5939865.65	4910932.09	5308192.9	5403899.3	5901113.58
		0.000494	0.099056			0.000231	0.011126		0.000236	0.011363
897031.11	826011.95	723494.93	737713.833	754355.72	991667.864	946023.894	738827.696	817971.62	871532.33	977426.943
3.98	4.13	3.71	5.9	3.59	3.92	3.77	4.72	3.58	3.71	4.22
31429.638	39359.003	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
8214497.4	7734504.8	7293994	6957200.31	6675773.28	7572346.19	7365428.21	6722010.58	7427103.7	7321994.77	7609705.61
5224115.6	4540233.4	4167685.8	3355149.56	3549465.08	4242148.33	4035230.35	3459775.94	3960979.4	4059760.13	4415264.29
1440473.6	1254577.2	1168331.3	660474.739	985577.041	1121041.68	1077532.42	1028077.47	1119304.3	1076517.11	1079397.03
87297.181	82547.929	81563.154	64214.8484	67130.1105	67534.1313	66563.9983	68686.4212	78427.76	74726.4753	74517.6491
31429.638	39359.003	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
5224115.6	4540233.4	4167685.8	3355149.56	3549465.08	4242148.33	4035230.35	3459775.94	3960979.4	4059760.13	4415264.29
70561.395	55627.773	51366.502	29045.9285	42781.8094	50429.4081	47452.3264	45339.7811	46356.585	44628.9115	44803.4243
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	912969.902
33942.627	36127.771	38576.474	40126.1804	31711.7065	27209.1673	27676.3723	31673.9292	37578.344	35278.7833	34840.2271
1033048.9	889715.93	896450.79	738263.722	601884.371	557129.688	562438.003	578850.893	766444.34	751622.158	774148.409
169774.94	-101668.71	-182330.11	-300319.48	-265841.42	-214344.7	-200353.05	-249880.31	-188335.27	-154085.27	-138821.49
863273.91	991384.64	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.61	905707.432	912969.902

2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11
3535446.79	3050189.39	3258156.8	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
-3535446.8	-3050189.4	-3258156.8	-3327479.3	-3535446.8	-3188834.4	-3674091.8	-3258156.8	-3327479.3	-3535446.8	-3327479.3
-3535446.8	-3050189.4	-3258156.8	-3327479.3	-3535446.8	-3188834.4	-3674091.8	-3258156.8	-3327479.3	-3535446.8	-3327479.3
3535446.79	3050189.39	3258156.8	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
3535446.79	3050189.39	3258156.8	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
3535446.79	3050189.39	3258156.8	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33

34.573772	31.523668	25.633681	24.213828	19.163839	20.003784	22.133674	21.683688	19.093817	21.163681	22.263711
21.532179	21.532159	21.532098	21.53222	21.532139	21.532301	21.532179	21.532139	21.53224	21.532159	21.532199
34.446302	31.39624	25.506248	24.086335	19.036342	19.876309	22.006244	21.556252	18.966328	21.036248	22.136266
34.544356	31.494261	25.604274	24.184407	19.134417	19.974367	22.104267	21.654279	19.064396	21.134273	22.234301
33.808952	30.759101	24.869082	23.448871	18.398855	19.238934	21.369092	20.919073	18.328887	20.399083	21.499039
34.093308	31.043363	25.153356	23.733278	18.683272	19.523301	21.65336	21.203353	18.613284	20.683356	21.78334
$ 34.52	$ 31.47	$ 25.58	$ 24.16	$ 19.11	$ 19.95	$ 22.08	$ 21.63	$ 19.04	$ 21.11	$ 22.21
$ 34.56	$ 31.51	$ 25.62	$ 24.20	$ 19.15	$ 19.99	$ 22.12	$ 21.67	$ 19.08	$ 21.15	$ 22.25

19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924
1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
34.26	31.21	25.32	23.9	18.85	19.69	21.82	21.37	18.78	20.85	21.95
5.224674	5.219629	4.681158	4.253371	4.01319	4.016728	4.052445	4.042372	4.026894	4.099883	4.749163
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
0.033014	0.027982	0.026808	0.034921	0.037254	0.030244	0.025636	0.024414	0.028151	0.030759	0.033125
8876.925	7698.375	8233.2	8338.275	8838	8029.575	9295.425	8253.45	8396.775	8897.625	8353.8
21.757169	21.870383	21.9552	21.714257	21.661764	21.819497	21.923172	21.950664	21.866601	21.807904	21.698181
9180	7920	8460	8640	9180	8280	9540	8460	8640	9180	8640
22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558

9.74	9.57			6.4	0.64			10.24		

0.028382	0.037414	0.029414	0.025989	0.032107	0.036222	0.028207	0.025079	0.031536	0.029656	0.031171
24425.1624	16558.4136	4949.4961	4250.2296	3092.06932	3802.26192	8074.34356	3933.3744	4102.72802	218.5208	234.90986
101466.19	66419.9954	20899.889	18365.815	11597.4532	15545.3428	33763.4913	16663.1287	16044.5987	803.491238	1089.30921
3.204209	3.226073	2.783858	2.588993	1.288385	1.875362	3.155851	2.014854	1.599816	0.36133	0.732321
2623.28618	1772.20102	295.49491	49.703482	697.919466	1115.49817	3926.73203	1045.89618	358.506859	28.686189	7.492552
22992.36	19652.14	21166.52	21693.16	22904.2	20570.86	23898.32	21261.06	21569.62	22962.2	21577.74
56.353823	55.829943	56.444053	56.492604	56.137745	55.899076	56.363962	56.545372	56.170885	56.279901	56.046077
23664	20416	21808	22272	23664	21344	24592	21808	22272	23664	22272
58	58	58.154666	58	58	58	58	58	58	58	57.84935
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
36.292779	36.681962	31.729749	29.495039	14.908237	21.553535	35.959204	22.956612	18.414575	4.203246	8.479241
36.292779	36.681962	31.729749	29.495039	14.908237	21.553535	35.959204	22.956612	18.414575	4.203246	8.479241
122264.197	80520.8878	25156.41	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
143533.224	97769.2717	28470.865	24500.01	16144.8522	22770.4477	48483.9102	23787.006	24120.1729	1062.71637	1383.73482
21269.0272	17248.3839	3314.4552	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
143533.224	97769.2717	28470.865	24500.01	16144.8522	22770.4477	48483.9102	23787.006	24120.1729	1062.71637	1383.73482
253.41	224.93	196.52	185.45	135.13	159.2	287.44	200.01	99.75	155.48	124.68
108526.103	72583.683	23751.133	21755.161	11041.0242	13289.9067	20725.5361	14690.3633	17782.6859	858.799518	1257.5916
127695.406	87985.511	26830.913	24191.615	12550.373	16152.5997	24625.448	17615.2048	21932.9663	921.415925	1333.95402
41.190665	41.65901	37.6177	35.018903	15.293815	19.286769	28.694965	22.203233	22.042352	5.1935	8.971745
2314.66995	1569.82828	494.10778	445.96306	254.183018	285.249362	440.345209	306.558893	397.517906	20.154433	24.144527
51.364089	49.872789	47.410788	48.313209	44.052006	46.819173	47.651761	47.780253	46.010274	42.891363	59.257128
36.942808	32.810431	10.904481	4.825824	12.728559	20.052908	36.134601	20.945052	9.656185	2.573481	1.727697
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
6.355833	4.994261	1.40128	1.175104	0.804607	1.096956	2.021792	1.110638	1.134322	0.056862	0.064779
21269.0272	17248.3839	3314.4552	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
21269.0272	17248.3839	3314.4552	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
278.510052	188.151717	31.372216	5.276938	74.096981	118.430637	416.89479	111.041106	38.062093	3.045566	0.795472
13738.0942	7937.20474	1405.2772	249.09518	3213.54489	5502.57051	19904.6108	5304.78841	1752.15221	131.64122	48.912306
29.65	17.83	6.8	7	4.34	3.97	8.02	4.68	4.53	0.38	0.43
-21269.027	-17248.384	-3314.4552	-2495.7535	-1890.2831	-3977.9705	-7853.7632	-3791.8543	-4585.3348	-72.275634	-77.230908
-148964.43	-105233.89	-30145.368	-26687.368	-14440.656	-20130.57	-32479.211	-21407.059	-26518.301	-993.69156	-1411.1849
1.47	0.57	0.15		0.19	0.59	2.42	0.57	0.17	0.01	
11502.6161	7378.3001	2010.8566	1527.3026	1099.2099	1574.1387	4167.3432	1846.8905	1581.21	82.8878	101.0953
0.88	0.6	0.28	0.2	0.17	0.16	0.27	0.1	0.14	0.01	0.05

363.748	248.01	115.738	82.67	70.2695	66.136	111.6045	41.335	57.869	4.1335	20.6675
122264.197	80520.8878	25156.41	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
122264.197	80520.8878	25156.41	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
101466.19	66419.9954	20899.889	18365.815	11597.4532	15545.3428	33763.4913	16663.1287	16044.5987	803.491238	1089.30921
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
363.748	248.01	115.738	82.67	70.2695	66.136	111.6045	41.335	57.869	4.1335	20.6675
122264.197	80520.8878	25156.41	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
20434.2584	13852.8824	4140.7824	3555.7712	2586.8464	3180.9984	6755.0512	3290.688	3432.3704	182.816	196.5272
0.21	0.57	0.32								
10.830153	10.871923	11.023089	11.077446	11.271739	11.28162	11.17291	11.229019	11.244639	11.279593	11.211974
0.76503	0.718654	0.599153	0.569622	0.486235	0.476553	0.51778	0.49591	0.498804	0.454106	0.501128
0.742379	0.694818	0.577672	0.547258	0.473417	0.458407	0.500287	0.475559	0.480197	0.22396	0.480661
651398.409	514808.361	422460.54	291327.62	625003.116	511618.987	709553.927	575492.793	435630.319	210558.603	474270.894
2567.60711	2121.12269	1989.9782	1536.6902	3363.70644	2626.68354	2900.23533	2507.59341	2315.23783	1078.234	2185.27467
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
0.029362	0.033977	0.035904	0.039765	0.027132	0.039076	0.034363	0.042819	0.037057	0.034485	0.041718
361356.879	293221.029	264821.47	257504.94	241071.95	210848.825	262793.746	222448.722	229278.331	114108.336	229311.935
382365.705	310883.084	282516.67	273891.09	255092.016	224375.525	279373.773	236932.706	242516.483	121412.985	243819.503
2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049
594395.931	482319.271	435604.83	423569.87	396539.251	346825.233	432269.432	365905.902	377139.926	187696.802	377195.203
43958.22	37744.44	40237.5	40929.03	44059.23	39251.82	45446.73	39948.9	40935.69	22277.7	40845.78
107.740735	107.228522	107.3	106.58602	107.988308	106.662554	107.185683	106.247074	106.603359	54.602205	106.092935
45288	39072	41736	42624	45288	40848	47064	41736	42624	45288	42624
111	111	111.296	111	111	111	111	111	111	111	110.711688
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
31.03394	31.163162	31.585428	31.787647	32.319165	32.484646	32.059645	32.301935	32.395682	33.234356	32.270085
30.805695	30.915523	31.317902	31.468831	32.001934	32.020645	31.726738	31.877611	31.92774	32.013418	31.832082
1034302.82	840252.182	760583.67	739616.8	690301.379	607444.556	754608.146	640379.551	658850.747	335980.368	660238.899
1321009.56	984507.208	722974.78	655236.17	479376.561	436374.263	617041.847	499490.015	472155.284	239207.124	513165.536
286706.742	144255.026	-37608.89	-84380.631	-210924.82	-171070.29	-137566.3	-140889.54	-186695.46	-96773.244	-147073.36
1321009.56	984507.208	722974.78	655236.17	479376.561	436374.263	617041.847	499490.015	472155.284	239207.124	513165.536
396.02	340.04	362.5	368.73	396.93	353.62	409.43	359.9	368.79	200.7	367.98
376130.762	319387.38	332066.7	441356.15	59002.753	87856.5688	37643.0492	57316.2078	214932.668	113866.715	177680.246
539756.351	433989.892	388816.27	461583.39	56390.491	83193.4402	42960.2812	63052.2498	207670.814	108859.43	185122.319

49.148527	52.06068	54.93597	57.420306	21.564068	30.810396	26.499275	31.104915	41.283848	43.150525	45.5903
12511.775	10574.1267	10856.627	14301.008	1920.4398	2813.63425	1235.9052	1863.3164	6968.12316	3659.57194	5777.24265
26.698619	25.651042	24.124664	25.306579	20.177424	21.148832	20.785919	21.071225	21.036397	23.110298	22.630624
26.466393	25.207579	22.244695	20.630694	18.440022	18.880482	20.582401	20.623406	17.536154	20.115855	20.994594
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
82.404127	77.124823	64.292682	60.745739	52.549348	50.883239	55.531943	52.787079	53.301906	24.859647	53.214815
97825.5017	-9011.6057	-176031.07	-218978.46	-336933.13	-281280.97	-274928.59	-257163.48	-306539.25	-156417.67	-266934.71
97825.5017	-9011.6057	-176031.07	-218978.46	-336933.13	-281280.97	-274928.59	-257163.48	-306539.25	-156417.67	-266934.71
21109.109	16573.8113	13253.129	9025.3561	19519.6942	15911.3977	22309.6388	17984.6256	13499.8088	6483.16406	14710.4614
651398.409	514808.361	422460.54	291327.62	625003.116	511618.987	709553.927	575492.793	435630.319	210558.603	474270.894
118.11	81.98	50.7	38.1	9.25	9.37	9.89	10.83	14.86	5.13	18.39
-286706.74	-144255.03	37608.89	84380.631	210924.818	171070.294	137566.3	140889.535	186695.463	96773.2441	147073.363
-826463.09	-578244.92	-351207.38	-377202.76	154534.327	87876.8533	94606.0186	77837.2855	-20975.352	-12086.186	-38048.956
159.21	147.14	170.69	119.55	303.3	253.59	346.17	290.84	205.66	106.05	236.76
								0.002604	0.487745	
97274.8387	79727.7653	74323.34	67242.988	71663.1967	66881.1509	96611.5965	79495.1583	66496.9518	35870.1088	77025.7897
0.85	0.76	0.76	0.87	0.79	1	0.93	0.95	1.04	1.45	1.04
6773.65	6056.44	6056.44	6933.03	6295.51	7969	7411.17	7570.55	8287.76	11555.05	8287.76
1223184.06	993518.814	899005.86	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
1223184.06	993518.814	899005.86	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
976761.636	793202.355	718121.5	697460.96	651631.267	571200.758	711643.205	602838.608	619656.41	309109.787	621014.706
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
6773.65	6056.44	6056.44	6933.03	6295.51	7969	7411.17	7570.55	8287.76	11555.05	8287.76
1223184.06	993518.814	899005.86	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
50767.5348	40993.3864	36405.732	35222.81	32374.6023	28274.7983	35553.7714	29970.3924	30906.5773	15315.5314	30936.433
66.17	73.32	122.3	192.6	68.69	72.2	28.99	39.88	129.94	72.35	100.07

0.034705	0.028039	0.027074	0.036406	0.031519	0.031956	0.03125	0.026489	0.029062	0.026078	0.025182

1181.52	1026.39	1097.46	1110.06	1185.42	1068.72	1232.25	1098.12	1118.52	1192.08	1122.99
2.895882	2.91588	2.92656	2.890781	2.905441	2.90413	2.90625	2.920531	2.912812	2.921764	2.916857
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

11.340475	11.369255	11.494635	11.537873		11.760233	11.689337	11.701444	11.874783	11.681454	11.63146
0.812993	0.788621	0.707829	0.689107		0.578107	0.60611	0.611177	0.56989	0.622182	0.634278
0.776951	0.749429	0.674569	0.652163		0.28058	0.577121	0.580708	0.458588	0.598809	0.602559
334293.511	279533.656	272085.95	261468.33		113234.295	268397.908	239264.33	189979.291	265855.35	251893.519
1332.76526	1165.26765	1291.1518	1389.3325		540.689873	1094.68976	1044.46743	1044.87094	1398.89158	1161.94992
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
0.044583	0.051477	0.047074	0.050703	0.048897	0.038097	0.048372	0.04851	0.041822	0.039044	0.048906
153085.274	127762.751	124579.93	123481.48		51952.544	122861.918	109570.689	88823.6033	122307.865	115331.019
162126.093	135891.346	132627.47	131231.02		55187.0637	130634.671	116399.311	93892.6627	130254.482	122551.266
2.0965	2.0965	2.0965	2.0965		2.0965	2.0965	2.0965	2.0965	2.0965	2.0965
158672.887	132426.091	129127.1	127988.55		53848.8118	127346.378	113570.019	92065.6648	126772.102	119540.601
16761.83	14356.84	15406.9	15634.37		7672.06	17350.07	15342.83	13254.32	16859.01	15663.61
41.082916	40.786477	41.085066	40.714505		20.847989	40.919976	40.805398	34.516458	41.321102	40.684701
17544	15136	16168	16512	17544	15824	18232	16168	16512	17544	16512
43	43	43.114666	43	43	43	43	43	43	43	42.888311
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
25.20788	25.29252	25.592565	25.670061		26.971315	26.053655	26.059835	27.039198	25.930709	25.92622
24.764634	24.819971	25.078476	25.173638		25.640348	25.48884	25.516418	25.887825	25.469306	25.368274
339654.044	284158.999	277675.99	274846.8		118949.572	273994.934	243994.212	201219.704	271802.189	257144.712
510608.258	390590.779	310979.96	289441.37		105293.67	266953.326	227325.099	168778.756	244397.033	242913.969
170954.214	106431.78	33303.971	14594.568		-13655.902	-7041.6082	-16669.114	-32440.949	-27405.156	-14230.744
510608.258	390590.779	310979.96	289441.37		105293.67	266953.326	227325.099	168778.756	244397.033	242913.969
389.81	333.88	358.3	363.41		178.42	403.49	356.81	308.24	392.07	364.27
	13.70797	465.9948	8412.0941		197.081058			3475.52434	1571.69839	48.3237
	15.009982	509.48315	9771.3889		196.73538			3383.8882	1632.88302	50.427214
	0.326327	3.322783	10.460854		2.046234			9.885013	7.31467	0.881601
	0.523403	19.009586	344.11987		7.697977			140.925369	63.931249	1.951568
33.737945	28.519544	23.838963	24.566157		23.491812	23.06801	19.449455	23.336845	21.785997	22.080067
10.121383	8.117731	15.414218	21.804		8.636383	5.997682	6.807309	16.29423	20.737063	9.999045
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
33.408921	32.225454	29.08384	28.043046		12.064945	24.816226	24.970452	19.719296	25.748823	25.842779
90936.5414	39650.1903	-31813.959	-49949.202		-40811.496	-71261.533	-73941.713	-78869.046	-91335.477	-74514.267
90936.5414	39650.1903	-31813.959	-49949.202		-40811.496	-71261.533	-73941.713	-78869.046	-91335.477	-74514.267

13630.84	11342.8366	10887.43	10424.41		4432.20202	10522.08	9388.89	7431.28463	10441.5888	9947.51843
334293.511	279533.656	272085.95	261468.33		113234.295	268397.908	239264.33	189979.291	265855.35	251893.519
			0.1						0.07	
-170954.21	-106431.78	-33303.971	-14594.568		13655.9017	7041.60817	16669.1135	32440.9486	27405.1558	14230.7437
-170954.21	-106446.79	-33813.454	-24365.957		13459.1664	7041.60817	16669.1135	29057.0604	25772.2728	14180.3165
3.72	1.83	3.47	2.91		2.07	3.5	3.91	3.65	31.78	4.31
			0.002604	1	0.497282		0.002659	0.164062		0.002604
94308.0948	76997.9725	72417.39	65558.253		34538.1077	93723.6778	78396.1294	52288.9769	72056.3686	75349.9606
1.36	1.17	1.3	1.26		1.4	1.42	1.2	1.97	1.11	1.32
5360.53248	4611.63456	5124.0384	4966.3757		5518.1952	5597.02656	4729.8816	7764.88896	4375.14048	5202.86976
419671.717	350940.589	342793.92	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
419671.717	350940.589	342793.92	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
320798.98	268317.438	261754.57	259219.58		109035.876	257981.048	229969.329	185958.328	257026.584	242091.867
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
5360.53248	4611.63456	5124.0384	4966.3757		5518.1952	5597.02656	4729.8816	7764.88896	4375.14048	5202.86976
419671.717	350940.589	342793.92	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
13494.5316	11229.9264	10797.376	10660.845		4395.501	10416.8592	9295.0011	7496.4879	10400.4648	9849.9753
		0.09	0.25		0.01			0.24	0.97	0.02

0.026151	0.033863	0.026755	0.025989	0.023946	0.043097	0.044787	0.027101	0.024244	0.039215	0.033281

1191.99	1020.24	1097.82	1122.06	1194.69	1056.42	1215.03	1097.43	1124.07	1176	1113.66
2.921544	2.898409	2.92752	2.922031	2.928161	2.870706	2.865636	2.918696	2.927265	2.882352	2.892623
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

9.411778	8.465061	4.767124	2.24	1.406952	3.246861	7.048445	3.375587	2.264507	0.14
0.028135	0.028833	0.003795	0.001716	0.002368	0.005663	0.008754	0.004458	0.006618	0.000019
0.026965	0.027818	0.003702	0.001625	0.002348	0.005614	0.008556	0.004377	0.006505	0.000019
643.850856	568.210477	46.44737	3.265815	2.367504	411.034247	1897.63353	257.435684	180.797889	

2.394562	2.274771	0.214549	0.015627	0.011179	1.723412	6.304915	0.933067	0.823848		
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
0.033909	0.035781	0.025771	0.038177	0.024252	0.02379	0.032558	0.030093	0.024101	0.031348	0.027187
7744.9	6948	976.8	436.8	677.5	1463.3	2566.6	1165.1	1780.1	5.6	
27826.4424	24110.8903	3641.7789	1892.5203	2435.14441	5953.89922	10674.4519	4963.18671	6853.53181	21.174162	
2.538767	2.254336	1.289007	0.692909	0.372772	0.934118	2.075207	1.009911	0.636876	0.037811	
167.569716	167.057283	13.463176	0.793974	0.605251	95.618874	447.011487	58.120553	44.520031		
19656.2	16966.5	18356.3	18399.5	19940.5	18036.8	20482.6	18252.4	18701.7	19792.3	18695.4
48.17696	48.200284	48.950133	47.915364	48.873774	49.013043	48.308018	48.543617	48.702343	48.510539	48.55948
20400	17600	18800	19200	20400	18400	21200	18800	19200	20400	19200
50	50	50.133333	50	50	50	50	50	50	50	49.870129
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
45.440687	49.133343	22.214578	9.790103	7.838918	22.300141	49.191121	20.863165	16.45174	0.529354	
36.147113	32.141997	18.219429	9.790103	5.272238	13.197333	29.467294	14.271581	9.020199	0.529354	
28120.3034	24221.7583	3660.7189	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
31823.6262	29103.2195	3982.8772	2029.6561	2738.41444	6858.95116	12172.0958	5733.34442	8237.86075	23.474384	
3703.32278	4881.46122	322.15822	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
31823.6262	29103.2195	3982.8772	2029.6561	2738.41444	6858.95116	12172.0958	5733.34442	8237.86075	23.474384	
272.64	284.58	214.05	158.56	224.45	231.7	391.34	283.01	154.93	132.23	94.82
27476.4525	23653.5478	3614.2716	1907.2905	2453.06491	5549.30598	8827.22239	4719.62802	6684.59892	21.174162	
31103.9102	28409.8025	3930.5867	2025.9467	2735.80406	6374.75514	10031.3547	5462.06217	8023.02833	23.474384	
14.063199	13.247387	7.004129	6.388657	2.199135	5.101558	10.447071	5.116156	3.729425	0.4	
538.152163	477.710194	68.638344	31.143287	47.856767	96.512937	149.6427	78.148531	121.719997	0.4	
55.590974	48.538616	51.480099	57.585469	54.762485	59.082023	61.260695	62.361989	56.641364		
8.894555	7.766178	1.544402	0.575854	0.547624	3.544921	16.478769	5.542377	2.265654		
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
1.348284	1.390909	0.1856	0.08125	0.117401	0.280706	0.42783	0.218882	0.32526	0.00098	
3703.32278	4881.46122	322.15822	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
3703.32278	4881.46122	322.15822	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
11.947836	11.889805	0.961655	0.056712	0.043232	6.787062	31.757299	4.151468	3.180002		
643.850856	568.210477	46.44737	3.265815	2.367504	411.034247	1897.63353	257.435684	180.797889		
7.17	6.44	1.06	0.58	0.66	1.27	2.22	1.09	1.81		
-3703.3228	-4881.4612	-322.15822	-119.09979	-282.98203	-898.61093	-1447.2399	-756.28071	-1372.4639	-2.300222	
-34807.233	-33291.264	-4252.7449	-2145.0465	-3018.7861	-7273.3661	-11478.595	-6218.3429	-9395.4923	-25.774607	
0.16	0.06				0.03	0.27	0.04	0.01		

3827.0796	3551.3626	398.8127	155.1649	266.7297	688.3162	1478.0566	599.971	824.2153	1.7125	
0.56	0.14	0.04	0.04	0.03		0.08	0.02			
277.476	75.612	18.036	18.036	17.689		40.234	9.018			
28120.3034	24221.7583	3660.7189	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
28120.3034	24221.7583	3660.7189	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
27826.4424	24110.8903	3641.7789	1892.5203	2435.14441	5953.89922	10674.4519	4963.18671	6853.53181	21.174162	
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
277.476	75.612	18.036	18.036	17.689		40.234	9.018			
28120.3034	24221.7583	3660.7189	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
16.385	35.256	0.904		2.599	6.441	10.17	4.859	11.865		
	0.1	0.08								

0.028995	0.028125	0.024015	0.027734	0.038431	0.032527	0.039433	0.0275	0.02151	0.025171	0.027708

1584.68	1368.4	1467.88	1493.4	1569.28	1424.12	1629.12	1462.64	1502.96	1590.92	1493.44
3.884019	3.8875	3.914346	3.889062	3.846274	3.869891	3.842264	3.89	3.913958	3.899313	3.879064
1632	1408	1504	1536	1632	1472	1696	1504	1536	1632	1536
4	4	4.010666	4	4	4	4	4	4	4	3.98961

10.255527	10.278262	10.371021	10.424883		10.634169	10.518639	10.570805	10.681961	10.556607	10.518131
0.679145	0.649858	0.53142	0.493915		0.353031	0.403611	0.385369	0.381198	0.396511	0.420973
0.641495	0.614333	0.502724	0.465552		0.183457	0.38201	0.364	0.359414	0.3718	0.398945
407164.392	333667.344	278187.33	211956.27		108181.451	265469.113	224399.818	202220.302	219168.682	241214.638
1620.0309	1387.46266	1305.4092	1116.9641		508.0072	1060.91094	960.783122	1072.3086	1139.1835	1102.9713
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
0.05875	0.055369	0.054441	0.057291	0.071911	0.055217	0.055518	0.058457	0.058229	0.062794	0.055208
155212.765	128604.261	113871.78	108189.44		41760.0981	99579.0993	84345.2154	85268.5146	93308.6643	93913.5587
164191.063	136729.895	121442.93	115345.75		44542.0788	105972.384	90080.3819	90017.9346	99680.0677	100261.666
2.6151	2.6151	2.6151	2.6151		2.615099	2.6151	2.6151	2.6151	2.6151	2.6151
241371.371	199992.486	177082	168245.4		64941.1285	154855.457	131165.244	132601.067	145104.304	146044.975

22504.158	19485.086	20834.058	21158.702		11135.172	23466.956	20745.572	21192.104	22407.468	21260.08
55.157249	55.355357	55.557487	55.100786		30.258619	55.346594	55.174393	55.18777	54.920264	55.220987
23908.8	20627.2	22033.6	22502.4	23908.8	21564.8	24846.4	22033.6	22502.4	23908.8	22502.4
58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
29.935042	30.060404	30.347112	30.517112		37.758576	31.261927	32.136401	32.740492	31.753944	31.108081
27.318974	27.374136	27.612486	27.757727		28.304487	28.001392	28.137246	28.436381	28.097194	28.000313
442375.663	366660.08	328559.06	312609.69		142572.658	293287.758	253685.078	252767.764	277658.353	273860.565
617053.855	470860.106	348861.63	312232.24		104571.829	272043.099	218873.692	207090.549	229389.107	242168.883
174678.193	104200.026	20302.579	-377.44922		-38000.828	-21244.659	-34811.385	-45677.215	-48269.246	-31691.682
617053.855	470860.106	348861.63	312232.24		104571.829	272043.099	218873.692	207090.549	229389.107	242168.883
384.03	332.51	355.53	360.52		190.02	400.46	354.02	361.64	382.38	362.8
6066.74017	9391.03085	25876.012	76872.907		3279.86741	104.5209	855.9328	24442.5449	30060.3431	9580.62325
9236.55353	13768.6046	32640.508	92945.372		3565.58223	114.676587	933.457004	26710.5499	33189.2041	10929.4275
8.153051	11.29989	18.50556	23.958518		9.87356	1.647792	4.939408	17.881612	18.864644	15.032729
228.801234	350.840478	960.42483	2841.8089		118.187825	3.865794	31.193439	904.216497	1104.27444	355.676332
27.445539	26.307244	25.67742	26.217134		23.096264	20.587798	21.351895	22.733175	21.251947	24.578581
26.029252	25.456504	24.033892	23.412796		19.772171	17.493593	20.415576	19.189114	20.851992	23.910249
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
37.591656	35.99996	29.538213	27.281375		10.750603	22.385811	21.330446	21.061692	21.787519	23.317506
93548.4804	36978.5785	-39218.198	-56928.071		-59828.831	-73294.654	-78898.63	-90247.068	-97041.685	-80780.299
93548.4804	36978.5785	-39218.198	-56928.071		-59828.831	-73294.654	-78898.63	-90247.068	-97041.685	-80780.299
15108.5948	12321.1455	10116.405	7634.2391		3838.03417	9487.71821	7989.05456	7183.4735	7785.03356	8621.56367
407164.392	333667.344	278187.33	211956.27		108181.451	265469.113	224399.818	202220.302	219168.682	241214.638
0.46	0.74	1	1.82		0.13		0.01	0.25	4.18	0.17
-174678.19	-104200.03	-20302.579	377.44922		38000.8282	21244.6589	34811.3855	45677.215	48269.2458	31691.6816
-183914.75	-117968.63	-52943.087	-92567.923		34435.246	21129.9823	33877.9285	18966.6651	15080.0417	20762.2541
14.67	15.1	16.22	14.43		11.38	20.13	22.68	19.02	154.36	22.28
			0.002604	1	0.453804					
87055.9476	71962.1938	67590.437	61314.704		33868.8447	88010.7248	72385.3116	60881.3698	65758.9029	71293.9653
1.63	1.32	1.37	1.33		1.74	1.55	1.59	1.46	1.59	1.29
29144.5304	23601.7056	24495.71	23780.506		31111.3392	27714.124	28429.3272	26104.9168	28429.3272	23065.3032
523505.375	433881.528	388079.83	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
523505.375	433881.528	388079.83	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
405562.434	336722.382	298524.93	283591.16		109483.207	260827.842	221245.626	222619.002	244784.372	246306.641

15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
29144.5304	23601.7056	24495.71	23780.506		31111.3392	27714.124	28429.3272	26104.9168	28429.3272	23065.3032
523505.375	433881.528	388079.83	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
7668.698	6335.993	5538.415	5238.024		1978.111	4745.792	4010.124	4043.845	4444.654	4488.62
0.42	0.76	2.48	5.91		0.44	0.01	0.04	2.07	30.37	1.44
7.5	7.65	3.15	0.75	0.75	3.15	6.45	3	2.1	0.15	
0.019485	0.024418	0.001882	0.000523	0.001783	0.004755	0.00668	0.003378	0.005437	0.000028	
0.019142	0.023352	0.001835	0.00052	0.00174	0.004646	0.006462	0.003324	0.00539	0.000024	
93.91507	51.193804				47.610366	260.390885	45.088203	26.12434		
0.342113	0.201346				0.201966	0.856866	0.159573	0.123855		
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
0.021102	0.027812	0.035159	0.040729	0.037205	0.022581	0.031462	0.033696	0.025468	0.032156	0.028802
1640.1	1726.2	144.9	42	149.1	359.1	575.4	262.5	434.7	2.1	
5758.67796	5869.21621	523.84358	180.28761	530.649984	1463.77935	2388.61067	1117.66924	1682.77895	7.94031	
1.835497	1.862086	0.776032	0.219339	0.182198	0.85936	1.773116	0.838194	0.562445	0.037811	
20.4349	14.774245				10.85483	62.233155	10.5	6.3		
5591.46	4790.94	5078.92	5157.04	5499.48	5035.66	5749.24	5086.62	5239.08	5528.32	5221.16
13.704558	13.610625	13.543786	13.429791	13.479117	13.683858	13.559528	13.528244	13.643437	13.549803	13.561454
5712	4928	5264	5376	5712	5152	5936	5264	5376	5712	5376
14	14	14.037333	14	14	14	14	14	14	14	13.963636
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
29.565089	28.657526	11.64049	3.29009	2.760761	12.984158	27.909252	12.57292	8.436684	0.567165	
29.565089	28.657526	11.64049	3.29009	2.760761	12.984158	27.909252	12.57292	8.436684	0.567165	
6031.67796	5963.71621	523.84358	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
6571.39543	7059.3073	564.45848	188.86745	590.022614	1653.56006	2681.24301	1278.04745	1994.29485	8.239364	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
6571.39543	7059.3073	564.45848	188.86745	590.022614	1653.56006	2681.24301	1278.04745	1994.29485	8.239364	
162.85	162.78	110.57	89.04	138.89	137.8	207.99	145.53	89.69	71.67	48.96
5937.76289	5912.5224	523.84358	180.28761	541.149984	1426.66898	2180.71979	1072.58104	1656.65461	7.94031	
6478.45142	6995.03036	564.45848	188.86745	590.022614	1601.23989	2392.55673	1231.38348	1966.44823	8.239364	
6.853178	7.120917	2.94	0.7	0.7	2.937201	5.844597	2.66	1.96	0.14	
107.977673	114.09505	9.66	2.8	9.94	23.216344	34.211122	16.8	28.56	0.14	
63.402688	57.550148				66.143231	65.029009	69.087947	66.566271		
1.90208	2.302005				1.984296	7.803481	2.072638	0.665662		

109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
0.26799	0.326931	0.02576	0.007291	0.024362	0.065054	0.090471	0.046542	0.075468	0.000343	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
1.362326	0.984949				0.723655	4.148877	0.7	0.42		
93.91507	51.193804				47.610366	260.390885	45.088203	26.12434		
6.27	4.97	0.54	0.2	0.48	1.11	1.69	0.78	1.04	0.01	
-539.71747	-1095.5911	-40.614904	-8.579834	-48.87263	-179.28072	-240.13233	-160.37821	-311.5159	-0.299053	
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0.08	0.03				0.03	0.17	0.04	0.03		
2013.0739	2000.6696	152.8232	39.2665	139.156	394.3852	777.0681	316.6052	438.3744	1.7125	
0.26	0.09			0.01	0.01	0.05				
273	94.5			10.5	10.5	52.5				
6031.67796	5963.71621	523.84358	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
6031.67796	5963.71621	523.84358	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
5758.67796	5869.21621	523.84358	180.28761	530.649984	1463.77935	2388.61067	1117.66924	1682.77895	7.94031	
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
273	94.5			10.5	10.5	52.5				
6031.67796	5963.71621	523.84358	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
	0.08									

10.796981	10.839264	10.969233	11.024938	11.257679	11.251098	11.139839	11.196279	11.240547	11.199818	11.157991
0.45657	0.431253	0.351339	0.333741	0.207395	0.244044	0.298015	0.284792	0.275687	0.240946	0.291252
0.439599	0.414225	0.338317	0.319623	0.145725	0.204689	0.286772	0.273669	0.260468	0.197369	0.279778
1407332.17	1136565.97	974185.55	765004.58	628219.029	738995.949	1265483.58	1044764.25	829788.986	695714.277	967427.963
5574.98216	4708.35253	4593.0524	4044.2247	3380.25027	3701.93986	5131.49813	4533.76056	4441.11721	3616.91544	4450.39847
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
0.033897	0.035965	0.032562	0.037807	0.036082	0.034236	0.03674	0.034023	0.031389	0.034732	0.034498
703465.081	574820.655	509344.37	493904.89	244990.619	310186.129	496451.106	421725.6	409687.977	329951.086	438791.423
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2.604235	2.592416	2.549894	2.545802	2.71913	2.613011	2.566256	2.544513	2.570431	2.453929	2.526535
994440.189	814737.849	741813.93	719803.83	396539.251	465615.173	714471.267	610641.165	601806.658	459573.207	642780.779
2811.2908	1954.03255	308.95809	50.497457	698.524718	1221.97188	4435.97667	1114.51673	409.32689	28.686189	7.492552
144299.343	124109.351	132976.56	135035.6	105190.8	113281.207	149765.741	132549.022	133034.839	122683.623	135347.66
353.67486	352.583383	354.60415	351.6552	257.820588	307.829366	353.221087	352.523994	346.444893	300.695154	351.552363

149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.07893	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
197.47542	200.98892	153.10992	130.55005	57.827083	154.052374	202.434807	146.890871	135.478373	96.218775	97.783628
29.486896	29.42291	29.174344	29.271133	32.200406	30.754799	29.862361	29.70587	30.139935	28.502306	29.340576
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2630599.92	1979889.89	1415834.6	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
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1868.5	1688.29	1597.47	1525.71	901.8	1251.4	2100.15	1699.28	1393.28	1334.53	1363.51
524137.82	430941.872	386297.95	550483.9	73037.9921	111599.399	69481.0484	78654.713	268974.677	146386.67	188566.784
714270.672	571163.851	453292.22	590706.58	72266.6906	111084.353	80124.3172	88294.3572	269687.695	144634.647	197436.128
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32.850887	30.989379	25.839534	25.976215	23.395902	25.836638	30.639423	25.349313	23.50572	22.338693	23.628647
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161.376813	152.06234	124.52738	117.33381	53.49572	75.141505	105.274075	100.464042	95.617947	72.454176	102.43988
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1407332.17	1136565.97	974185.55	765004.58	628219.029	738995.949	1265483.58	1044764.25	829788.986	695714.277	967427.963
161.66	111.96	60.1	47.8	14.73	15.85	21.82	17.39	22.49	9.77	18.99
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179.31	164.73	190.53	136.89	303.49	267.69	372.66	318.08	228.54	292.2	263.35
			0.000473	0.181818	0.086462		0.000241	0.015151	0.04434	0.000236
295981.651	241618.264	216893.66	195837.68	73168.2923	137944.943	284768.467	233040.066	182511.098	173771.693	223770.811
5.54	4.08	3.75	3.7	1	4.31	4.3	3.86	4.61	4.16	3.7
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
2322777.33	1889047.29	1659220.6	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17
2322777.33	1889047.29	1659220.6	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17
1838174.36	1494642.28	1303466.5	1260710.3	666194.514	812682.862	1277278.65	1076797.55	1052814.65	811753.348	1110502.52
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42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005

2322777.33	1889047.29	1659220.6	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17
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66.8	74.83	125.27	198.76	68.69	72.65	29	39.92	132.25	103.69	101.53

3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
224793.562	196078.142	160389.77	82980.347	289328.316	285591.619	577955.284	442808.474	163270.379	275622.18	271348.961
883.242014	802.805413	751.46741	432.41342	1545.60952	1423.47196	2345.16341	1910.44465	830.845045	1438.32307	1239.5494
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102562.454	84714.4167	79264.098	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
224793.562	196078.142	160389.77	82980.347	289328.316	285591.619	577955.284	442808.474	163270.379	275622.18	271348.961
178.01	163.91	188.72	134.88	322.22	277.23	372.08	317.39	226.68	291.98	261.42
152.310487	151.227386	129.01051	102.62342	137.923842	158.786478	198.317965	184.111873	145.171595	136.965337	145.635022
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3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3786012.68	2872535.43	2210702.6	1836438.2	1744160.16	1768839.32	2929667.27	2341787.4	1547582.47	1923928.13	2133377.53
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3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57

3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
224793.562	196078.142	160389.77	82980.347	289328.316	285591.619	577955.284	442808.474	163270.379	275622.18	271348.961
883.242014	802.805413	751.46741	432.41342	1545.60952	1423.47196	2345.16341	1910.44465	830.845045	1438.32307	1239.5494
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102562.454	84714.4167	79264.098	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
224793.562	196078.142	160389.77	82980.347	289328.316	285591.619	577955.284	442808.474	163270.379	275622.18	271348.961
178.01	163.91	188.72	134.88	322.22	277.23	372.08	317.39	226.68	291.98	261.42
152.310487	151.227386	129.01051	102.62342	137.923842	158.786478	198.317965	184.111873	145.171595	136.965337	145.635022

55.02408	58.731084	45.997771	33.320968	52.53072	56.372588	81.357001	73.792552	48.392513	50.962077	54.330899
11219.1756	10400.2755	9014.505	4718.295	17195.8448	15929.341	30552.8331	23728.4612	11440.6216	15146.8307	14523.9427
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3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3786012.68	2872535.43	2210702.6	1836438.2	1744160.16	1768839.32	2929667.27	2341787.4	1547582.47	1923928.13	2133377.53
102562.454	84714.4167	79264.098	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57

5145.36082	4065.95741	3885.126	4343.1226	4552.86912	3691.95921	3304.11088	3157.80616	3896.87761	4900.92072	4353.3058
176508.665	127825.916	100282.04	106054.72	86623.8313	73181.907	68138.4497	65236.9775	74098.9949	104128.776	96354.2149
			17.798016	0.555351	4.559777			21.364791		
			0.420862	0.034247	0.228532			0.695282		
			0.952806	0.034247	0.398008			1.685755		
38.957221	30.176488	20.955395	25.662606	18.7701	17.964111	23.646796	23.120983	17.825466	18.372051	14.502746
2.727005	2.112354	0.419107	2.822886	15.579183	9.341337	1.418807	1.618468	1.960801	3.67441	0.290054
5145.36082	4065.95741	3885.126	4343.1226	4552.86912	3691.95921	3304.11088	3157.80616	3896.87761	4900.92072	4353.3058
12.611178	11.551015	10.360335	11.310215	11.158992	10.032497	7.792714	8.39842	10.148118	12.01206	11.307287
176508.665	127825.916	100282.04	106054.72	86623.8313	73181.907	68138.4497	65236.9775	74098.9949	104128.776	96354.2149
176508.665	127825.916	100282.04	106054.72	86623.8313	73181.907	68138.4497	65236.9775	74098.9949	104128.776	96354.2149
5145.36082	4065.95741	3885.126	4342.1698	4552.83488	3691.5612	3304.11088	3157.80616	3895.19186	4900.92072	4353.3058

-176508.67	-127825.92	-100282.04	-106054.72	-86623.831	-73181.907	-68138.45	-65236.977	-74098.995	-104128.78	-96354.215
-176508.67	-127825.92	-100282.04	-106072.52	-86624.387	-73186.467	-68138.45	-65236.977	-74120.36	-104128.78	-96354.215

0.23	0.48	0.1	0.52	20.8	11.57	0.52	0.61	0.72	2.34	0.13
102562.454	82959.1121	77036.354	71111.598	74045.5966	70194.6643	102757.471	85797.5231	71335.9096	77635.2879	81349.4262
5145.36082	4065.95741	3885.126	4343.1226	4552.86912	3691.95921	3304.11088	3157.80616	3896.87761	4900.92072	4353.3058
5145.36082	4065.95741	3885.126	4343.1226	4552.86912	3691.95921	3304.11088	3157.80616	3896.87761	4900.92072	4353.3058
176508.665	127825.916	100282.04	106054.72	86623.8313	73181.907	68138.4497	65236.9775	74098.9949	104128.776	96354.2149
176508.665	127825.916	100282.04	106054.72	86623.8313	73181.907	68138.4497	65236.9775	74098.9949	104128.776	96354.2149
				0.01	0.01					
291391.794	258279.587	273133.78	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
1164.71334	1078.66395	1305.2449	1641.1377	1615.42768	1146.11976	835.161826	772.261027	1229.9207	1404.36703	1196.58382
8889.88773	7449.65639	7878.1017	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
305488.202	233763.166	200768.33	212054.75	163385.566	125243.728	124885.039	107330.646	122603.845	160769.696	164260.889
8889.88773	7449.65639	7878.1017	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
21.78894	21.163796	21.008271	23.026232	21.062623	17.190558	13.541323	13.335412	16.84571	18.747429	19.298196
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
8414.72295	7449.65639	7878.1017	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
291391.794	258279.587	273133.78	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
1978.19648	24516.4211	72365.458	94499.937	134552.829	94083.0374	74173.5044	66508.7277	101667.815	104419.446	93330.4761
1978.19648	24516.4211	72365.458	94499.937	134552.829	94083.0374	74173.5044	66508.7277	101667.815	104419.446	93330.4761
102562.454	84714.4167	79264.098	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
307466.399	258279.587	273133.78	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
307466.399	258279.587	273133.78	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
8889.88773	7449.65639	7878.1017	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
307466.399	258279.587	273133.78	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
307466.399	258279.587	273133.78	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
8889.88773	7449.65639	7878.1017	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
305488.202	233763.166	200768.33	212054.75	163385.566	125243.728	124885.039	107330.646	122603.845	160769.696	164260.889
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
307466.399	258279.587	273133.78	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
287579.332	254860.464	269556.23	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
1149.48206	1064.36756	1288.2004	1617.9495	1593.65802	1133.40079	823.197147	761.310238	1214.64877	1387.0307	1181.01507
9989.59517	8369.80178	8852.4214	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
343265.685	262639.39	225585.14	238132.22	183532.911	140910.154	140256.159	120508.326	137848.178	180711.392	184579.164

			26.756015	19.725809	17.408255					
			0.53512	2.169839	1.044495					
9989.59517	8369.80178	8852.4214	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
24.484301	23.777845	23.606457	25.849211	23.658799	19.352631	15.198557	14.968577	18.940869	21.079305	21.686315
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
9455.64397	8369.80178	8852.4214	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
287579.332	254860.464	269556.23	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
-39659.179	-7778.9262	43971.095	64117.439	110394.546	75947.6949	55969.3813	50869.9109	83623.6243	81169.4614	69654.9354
-39659.179	-7778.9262	43971.095	64117.439	110394.546	75947.6949	55969.3813	50869.9109	83623.6243	81169.4614	69654.9354
			0.03	0.24	0.19					
102562.454	84714.4167	79264.098	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
303606.506	254860.464	269556.23	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
303606.506	254860.464	269556.23	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
9989.59517	8369.80178	8852.4214	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
303606.506	254860.464	269556.23	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
303606.506	254860.464	269556.23	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
9989.59517	8369.80178	8852.4214	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
343265.685	262639.39	225585.14	238132.22	183532.911	140910.154	140256.159	120508.326	137848.178	180711.392	184579.164
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
303606.506	254860.464	269556.23	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
5094.64771	3962.14333	3770.3948	4286.1407	4451.75294	3787.93068	3295.14198	3256.98252	3887.58455	4775.22742	4220.89405
174517.69	124434.924	97364.701	104551.89	84641.2163	74679.8869	67990.5928	66930.6066	73763.9173	101277.243	93510.4939
				12.829501	22.297307					
				0.25659	0.668919					
5094.64771	3962.14333	3770.3948	4286.1407	4451.75294	3787.93068	3295.14198	3256.98252	3887.58455	4775.22742	4220.89405
12.486881	11.256089	10.054386	11.161824	10.911159	10.293289	7.771561	8.662187	10.123918	11.703988	10.963361
174517.69	124434.924	97364.701	104551.89	84641.2163	74679.8869	67990.5928	66930.6066	73763.9173	101277.243	93510.4939
174517.69	124434.924	97364.701	104551.89	84641.2163	74679.8869	67990.5928	66930.6066	73763.9173	101277.243	93510.4939
5094.64771	3962.14333	3770.3948	4286.1407	4451.75294	3787.93068	3295.14198	3256.98252	3887.58455	4775.22742	4220.89405
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-174517.69	-124434.92	-97364.701	-104551.89	-84641.216	-74679.887	-67990.593	-66930.607	-73763.917	-101277.24	-93510.494
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5094.64771	3962.14333	3770.3948	4286.1407	4451.75294	3787.93068	3295.14198	3256.98252	3887.58455	4775.22742	4220.89405
5094.64771	3962.14333	3770.3948	4286.1407	4451.75294	3787.93068	3295.14198	3256.98252	3887.58455	4775.22742	4220.89405
174517.69	124434.924	97364.701	104551.89	84641.2163	74679.8869	67990.5928	66930.6066	73763.9173	101277.243	93510.4939
174517.69	124434.924	97364.701	104551.89	84641.2163	74679.8869	67990.5928	66930.6066	73763.9173	101277.243	93510.4939
4835.86518	3847.94306	3874.955	4130.8309	4370.49762	3463.62601	3099.98693	2797.19689	3667.13491	4715.3347	4241.08622
166879.477	121288.558	99847.88	100895.22	83778.2204	69337.3147	64938.2304	58642.142	70242.4478	100413.961	93937.7097
				24.431562						
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4835.86518	3847.94306	3874.955	4130.8309	4370.49762	3463.62601	3099.98693	2797.19689	3667.13491	4715.3347	4241.08622
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166879.477	121288.558	99847.88	100895.22	83778.2204	69337.3147	64938.2304	58642.142	70242.4478	100413.961	93937.7097
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4835.86518	3847.94306	3874.955	4130.8309	4370.49762	3463.62601	3099.98693	2797.19689	3667.13491	4715.3347	4241.08622
-166879.48	-121288.56	-99847.88	-100895.22	-83778.22	-69337.315	-64938.23	-58642.142	-70242.448	-100413.96	-93937.71
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102562.454	84714.4167	76901.843	70738.538	73932.7492	68615.1179	102757.471	79302.7768	67469.7335	77635.2879	83149.1509
4835.86518	3847.94306	3874.955	4130.8309	4370.49762	3463.62601	3099.98693	2797.19689	3667.13491	4715.3347	4241.08622
4835.86518	3847.94306	3874.955	4130.8309	4370.49762	3463.62601	3099.98693	2797.19689	3667.13491	4715.3347	4241.08622
166879.477	121288.558	99847.88	100895.22	83778.2204	69337.3147	64938.2304	58642.142	70242.4478	100413.961	93937.7097
166879.477	121288.558	99847.88	100895.22	83778.2204	69337.3147	64938.2304	58642.142	70242.4478	100413.961	93937.7097
192421.153	175304.856	189280.52	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
767.375605	732.59014	904.47191	1157.0115	943.378408	1011.27181	914.805166	836.301061	848.270493	713.125619	673.569436
3756.02484	3421.91795	3694.7204	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
127862.284	106107.231	93254.438	97979.769	63672.2114	74442.1884	91883.7293	78577.365	56483.187	53583.5115	61423.8207
3756.02484	3421.91795	3694.7204	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
9.205943	9.721357	9.852587	10.945563	8.331808	10.286699	10.051028	9.80397	7.83457	6.412051	7.335974

-64558.869	-69197.625	-96026.086	-117344.86	-110477.91	-119489.25	-126439.9	-110271.41	-97640.982	-80440.166	-83267.636
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3756.02484	3421.91795	3694.7204	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
192421.153	175304.856	189280.52	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
64558.8685	69197.6249	96026.086	117344.86	110477.909	119489.251	126439.897	110271.411	97640.9825	80440.1657	83267.636
64558.8685	69197.6249	96026.086	117344.86	110477.909	119489.251	126439.897	110271.411	97640.9825	80440.1657	83267.636
102562.454	84714.4167	79264.098	72141.289	69480.6131	70489.3446	102757.471	85797.5231	71335.9096	71391.7195	83149.1509
192421.153	175304.856	189280.52	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
192421.153	175304.856	189280.52	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
3756.02484	3421.91795	3694.7204	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
192421.153	175304.856	189280.52	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
192421.153	175304.856	189280.52	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
3756.02484	3421.91795	3694.7204	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
127862.284	106107.231	93254.438	97979.769	63672.2114	74442.1884	91883.7293	78577.365	56483.187	53583.5115	61423.8207
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192421.153	175304.856	189280.52	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457

321777.702	197300.263	286487.32	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
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158416.088	85878.918	100247.2	107614.86	70862.7014	68140.7792	67126.211	62445.8571	66197.6697	92708.4525	85403.0824
4758.49445	2757.90136	4004.5753	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
11.662976	7.834947	10.678867	11.98762	9.290098	9.760597	7.749561	8.111756	9.215171	11.075288	10.197911
-181557.95	-111421.35	-186240.12	-221701.38	-200299.67	-188823.73	-167940.94	-155752.62	-186955.63	-230560.61	-195476.97
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4500.64863	2757.90136	4004.5753	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
321777.702	197300.263	286487.32	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
181557.953	111421.345	186240.12	221701.38	200299.665	188823.734	167940.941	155752.615	186955.629	230560.606	195476.972
181557.953	111421.345	186240.12	221701.38	200299.665	188823.734	167940.941	155752.615	186955.629	230560.606	195476.972
102562.454	84714.4167	79129.218	72141.289	75546.6594	71865.9664	101175.968	85797.5231	71098.2881	77635.2879	83149.1509
339974.041	197300.263	286487.32	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
339974.041	197300.263	286487.32	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
4758.49445	2757.90136	4004.5753	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
339974.041	197300.263	286487.32	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
339974.041	197300.263	286487.32	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054

4758.49445	2757.90136	4004.5753	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
158416.088	85878.918	100247.2	107614.86	70862.7014	68140.7792	67126.211	62445.8571	66197.6697	92708.4525	85403.0824
-181557.95	-111421.35	-186240.12	-221701.38	-200299.67	-188823.73	-167940.94	-155752.62	-186955.63	-230560.61	-195476.97
339974.041	197300.263	286487.32	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
1093169.98	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
4377.36272	3704.29565	4876.4616	6187.0887	5625.90091	4645.065	3567.289	3342.01571	4690.60962	5227.55627	4360.78901
42469.8759	33875.3213	35960.294	40334.608	38811.1981	31768.8148	29432.4001	26590.5992	31740.7447	37775.6253	35344.8693
1452938.09	1061938.1	917349.72	967283.42	736496.658	625935.958	625218.411	559671.92	601238.24	793593.034	779469.374
			17.798016	0.555351	4.559777			21.364791		
			0.060123	0.004892	0.032647			0.099326		
			0.952806	0.034247	0.398008			1.685755		
38.957221	30.176488	20.955395	25.267322	18.915859	17.956107	23.646796	23.120983	17.825466	18.372051	14.502746
2.727005	2.112354	0.419107	3.032078	15.700163	9.337175	1.418807	1.618468	1.960801	3.67441	0.290054
42469.8759	33875.3213	35960.294	40334.608	38811.1981	31768.8148	29432.4001	26590.5992	31740.7447	37775.6253	35344.8693
104.092833	96.236708	95.894118	105.03804	95.125485	86.328301	69.416038	70.719678	82.658189	92.587316	91.804855
309469.993	176192.933	-101108.14	-186161.8	-300681.68	-261144.61	-223456.45	-192592.94	-251782.69	-190769.7	-157927.6
309469.993	176192.933	-101108.14	-186161.8	-300681.68	-261144.61	-223456.45	-192592.94	-251782.69	-190769.7	-157927.6
41202.9141	33875.3213	35960.294	40333.655	38811.1639	31768.4168	29432.4001	26590.5992	31739.059	37775.6253	35344.8693
1093169.98	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
-309469.99	-176192.93	101108.14	186161.8	300681.682	261144.608	223456.452	192592.939	251782.691	190769.698	157927.601
-309469.99	-176192.93	101108.14	186144	300681.126	261140.049	223456.452	192592.939	251761.326	190769.698	157927.601
0.23	0.48	0.1	0.55	21.08	11.8	0.52	0.61	0.72	2.34	0.13
717937.176	589425.893	547778.52	501452.32	518152.623	495336.401	717720.795	594087.915	492711.751	537203.447	580244.332
1143468.1	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
1143468.1	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
42469.8759	33875.3213	35960.294	40334.608	38811.1981	31768.8148	29432.4001	26590.5992	31740.7447	37775.6253	35344.8693
1143468.1	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
1143468.1	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
42469.8759	33875.3213	35960.294	40334.608	38811.1981	31768.8148	29432.4001	26590.5992	31740.7447	37775.6253	35344.8693
1452938.09	1061938.1	917349.72	967283.42	736496.658	625935.958	625218.411	559671.92	601238.24	793593.034	779469.374
309469.993	176192.933	-101108.14	-186161.8	-300681.68	-261144.61	-223456.45	-192592.94	-251782.69	-190769.7	-157927.6
1143468.1	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
				0.01	0.01					

10.796981	10.839264	10.969233	11.024938	11.257679	11.251098	11.139839	11.196279	11.240547	11.199818	11.157991
0.45657	0.431253	0.351339	0.333741	0.207395	0.244044	0.298015	0.284792	0.275687	0.240946	0.291252
0.439599	0.414225	0.338317	0.319623	0.145725	0.204689	0.286772	0.273669	0.260468	0.197369	0.279778
3561219.12	2676457.29	2050312.8	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
2725295.72	2218389.28	2153033.2	2001430.1	1954725.68	1911668.13	2692113.73	2239837.59	1846080.3	1955699.19	2176173.9
10835.5869	9215.45359	10220.981	10663.727	10551.7607	9770.47682	11043.9505	9786.22092	9962.57188	10282.7948	10050.7369
5749.16222	2686.84858	3393.9628	13249.501	-14963.391	-12584.444	-28688.863	-21432.444	-2877.8729	-10298.359	-8364.9276
3535446.79	3050189.39	3258156.8	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
0.033897	0.035965	0.032562	0.037807	0.036082	0.034236	0.03674	0.034023	0.031389	0.034732	0.034498
703465.081	574820.655	509344.37	493904.89	244990.619	310186.129	496451.106	421725.6	409687.977	329951.086	438791.423
843734.172	679904.427	561652.59	540906.5	269655.264	347067.689	562807.382	466156.383	451007.99	352180.141	467721.745
2.604235	2.592416	2.549894	2.545802	2.71913	2.613011	2.566256	2.544513	2.570431	2.453929	2.526535
994440.189	814737.849	741813.93	719803.83	396539.251	465615.173	714471.267	610641.165	601806.658	459573.207	642780.779
2811.2908	1954.03255	308.95809	50.497457	698.524718	1221.97188	4435.97667	1114.51673	409.32689	28.686189	7.492552
144299.343	124109.351	132976.56	135035.6	105190.8	113281.207	149765.741	132549.022	133034.839	122683.623	135347.66
353.67486	352.583383	354.60415	351.6552	257.820588	307.829366	353.221087	352.523994	346.444893	300.695154	351.552363
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.07893	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
197.47542	200.98892	153.10992	130.55005	57.827083	154.052374	202.434807	146.890871	135.478373	96.218775	97.783628
29.486896	29.42291	29.174344	29.271133	32.200406	30.754799	29.862361	29.70587	30.139935	28.502306	29.340576
1972748.71	1601777.62	1396159.7	1351168.4	707552.531	895193.882	1375686.95	1164148.72	1140921.23	886460.465	1192550.68
2630599.92	1979889.89	1415834.6	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
102562.454	84714.4167	79264.098	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
657851.217	378112.269	19674.889	-67540.079	-208702.68	-217671.16	-156311.43	-187661.52	-258544.31	-172372.77	-192918.56
4083538.01	3041828	2333184.3	2250911.7	1235346.51	1303458.68	1844593.93	1536159.12	1483615.16	1507680.73	1779101.5
1868.5	1688.29	1597.47	1525.71	901.8	1251.4	2100.15	1699.28	1393.28	1334.53	1363.51
524137.82	430941.872	386297.95	550483.9	73037.9921	111599.399	69481.0484	78654.713	268974.677	146386.67	188566.784
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
224793.562	196078.142	160389.77	82980.347	289328.316	285591.619	577955.284	442808.474	163270.379	275622.18	271348.961
178.01	163.91	188.72	134.88	322.22	277.23	372.08	317.39	226.68	291.98	261.42
152.310487	151.227386	129.01051	102.62342	137.923842	158.786478	198.317965	184.111873	145.171595	136.965337	145.635022

3.668272	3.915405	3.066518	2.380069	4.040824	3.758172	5.4238	4.919503	3.226167	3.640148	4.527574
11,219	10,400	9,015	4,718	17,196	15,929	30,553	23,728	11,441	15,147	14,524
714270.672	571163.851	453292.22	590724.38	72267.246	111088.912	80124.3172	88294.3572	269709.06	144634.647	197436.128
8.898121	9.264106	8.755351	9.597721	3.23003	5.02572	5.572051	4.742658	6.74713	5.361667	5.873031
15,701	13,087	12,408	17,968	2,232	3,345	1,864	2,296	8,563	4,848	6,159
32.929004	31.016841	25.824168	25.948706	22.033584	24.699546	30.586349	25.279357	23.334778	22.143269	23.578665
32.824831	30.763793	24.438982	22.660514	21.188085	23.046866	30.468086	25.050434	19.422694	20.875126	22.54568
5749.16222	2686.84858	3393.9628	13249.501	-14963.391	-12584.444	-28688.863	-21432.444	-2877.8729	-10298.359	-8364.9276
14.091083	7.633092	9.050567	34.503908	-36.674977	-34.196859	-67.662412	-57.00118	-7.49446	-25.241075	-21.727084
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-63.185572	-64.462914	-71.335931	-77.508014	-74.420803	-73.779926	-64.859736	-67.115003	-76.198414	-73.681602	-69.405023
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91343.2781	74314.1412	70249.593	67422.994	58404.9983	56075.9921	72204.6381	62069.0619	59895.288	62488.4572	68625.2082
2500502.15	2022311.14	1992643.4	1918449.8	1665397.37	1626076.52	2114158.45	1797029.11	1682809.92	1680077.01	1904824.94
6129344.7	5172341.47	5389902.9	5334639.1	5499663	5150897.83	6405571.64	5537390.23	5222118.42	5546895.21	5540354.06
5639867.59	4797255.77	5097000.4	4826895	5716724.07	5325400.54	6903402.6	5891904.35	5115679.74	5677882.75	5614266.9
			0.000473	0.181818	0.086462		0.000241	0.015151	0.04434	0.000236
1116481.28	915758.574	843936.28	769431.29	666921.759	705286.678	1105246.73	912925.505	746558.759	788610.428	887164.293
5.54	4.08	3.75	3.7	1	4.31	4.3	3.86	4.61	4.16	3.7
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
10562911.3	8501439.14	7986148.1	7841243	6861017.82	6613550.79	8503797.78	7291183.14	6916575.31	7226923.13	7548689.05
7027464.55	5451249.75	4727991.2	4513763.7	3325571.03	3424716.43	4829706.01	4033026.3	3589095.98	3691476.34	4221209.72
1838174.36	1494642.28	1303466.5	1260710.3	666194.514	812682.862	1277278.65	1076797.55	1052814.65	811753.348	1110502.52
108311.616	87401.2653	82658.06	85390.79	60637.4521	59420.8888	74068.6081	64365.0792	68458.0367	67336.9293	74784.2233
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
7027464.55	5451249.75	4727991.2	4513763.7	3325571.03	3424716.43	4829706.01	4033026.3	3589095.98	3691476.34	4221209.72
92381.4078	72447.4442	56883.209	54677.45	34964.0477	37835.8497	57481.6438	46571.0645	45891.1456	30343.4662	45471.5555
1143468.1	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
42469.8759	33875.3213	35960.294	40334.608	38811.1981	31768.8148	29432.4001	26590.5992	31740.7447	37775.6253	35344.8693
1452938.09	1061938.1	917349.72	967283.42	736496.658	625935.958	625218.411	559671.92	601238.24	793593.034	779469.374
309469.993	176192.933	-101108.14	-186161.8	-300681.68	-261144.61	-223456.45	-192592.94	-251782.69	-190769.7	-157927.6
1143468.1	885745.171	1018457.9	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975

2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10
3396975.13	3464737.86	3111193.18	3323320	3535446.8	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
-3396975.1	-3464737.9	-3111193.2	-3323320	-3535446.8	-3464737.9	-3252611	-3747573.6	-3323320	-3535446.8	-3464737.9
-3396975.1	-3464737.9	-3111193.2	-3323320	-3535446.8	-3464737.9	-3252611	-3747573.6	-3323320	-3535446.8	-3464737.9
3396975.13	3464737.86	3111193.18	3323320	3535446.8	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
3396975.13	3464737.86	3111193.18	3323320	3535446.8	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
3396975.13	3464737.86	3111193.18	3323320	3535446.8	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86

23.233704	36.684514	33.454477	27.194486	25.684521	20.314479	21.21456	23.484499	23.00457	20.244427	22.454598
21.532098	21.962864	21.962924	21.962884	21.962803	21.962823	21.962864	21.962964	21.962783	21.962844	21.962844
23.106261	36.560805	33.330783	27.070789	25.560809	20.190784	21.090833	23.360796	22.880838	20.120753	22.330855
23.204294	36.655966	33.425932	27.165941	25.655973	20.285934	21.186008	23.455952	22.976016	20.215887	22.426042
22.46905	35.94226	32.712313	26.4523	24.942249	19.57231	20.472193	22.742282	22.26218	19.502385	21.71214
22.753344	36.218226	32.988246	26.728241	25.218222	19.848245	20.748202	23.018234	22.538197	19.778272	21.988182
$ 23.18	$ 36.64	$ 33.41	$ 27.15	$ 25.64	$ 20.27	$ 21.17	$ 23.44	$ 22.96	$ 20.20	$ 22.41
$ 23.22	$ 36.67	$ 33.44	$ 27.18	$ 25.68	$ 20.30	$ 21.21	$ 23.47	$ 23.00	$ 20.23	$ 22.45

19.839924	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722
1.06	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
22.92	36.38	33.15	26.89	25.38	20.01	20.91	23.18	22.7	19.94	22.15
5.30528	5.524286	5.553059	4.975592	4.517026	4.251575	4.267356	4.302955	4.292044	4.277658	4.338763
19.319378	28.380631	26.229693	22.008236	20.963356	17.361228	17.962563	19.478859	19.157948	17.316727	18.795186
19.319378	28.380631	26.229693	22.008236	20.963356	17.361228	17.962563	19.478859	19.157948	17.316727	18.795186
0.023214	0.027857	0.039545	0.033803	0.036825	0.032831	0.032364	0.024693	0.030824	0.028725	0.023367
8615.25	8574.3	7606.8	8174.025	8668.575	8530.425	8012.025	9304.425	8199.225	8741.475	8613.9
21.977678	21.873214	21.610227	21.7974	21.671437	21.761288	21.771807	21.944398	21.806449	21.853687	21.974234
8820	8820	7920	8460	9000	8820	8280	9540	8460	9000	8820
22.5	22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5

		0.72	1.12		7.24	5.06	1.9	0.08	15.35	
0.28257	7.629389	7.629389	6.970059	6.593299	2.16637	3.67341	6.499109	4.23855	3.7676	1.13028
0.000165	0.099789	0.083348	0.025398	0.025816	0.013095	0.019553	0.038614	0.023881	0.01866	0.002
0.000153	0.097193	0.080823	0.024707	0.02495	0.012755	0.01894	0.037688	0.023271	0.0182	0.001938
35.188449	16139.1455	9296.9294	1028.5885	915.99346	1393.98329	2144.79601	23003.0952	8649.90341	5460.29694	1007.44271
0.12138	60.505659	36.519638	4.339158	4.521181	7.072242	8.555491	78.534659	30.914049	24.247224	4.718336
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08

0.023418	0.02352	0.03463	0.031037	0.0297	0.027729	0.033369	0.031344	0.030771	0.0292	0.030484
32.77812	20814.1062	15542.2919	5075.1456	5452.094	2731.51	3807.72494	8729.90596	4780.1425	3977.07856	415.18952
155.245772	89885.3977	66000.2762	23613.77	25096.662	11451.6355	17099.5868	39197.8465	21686.4554	17436.7568	1800.21746
0.140291	3.531081	3.604337	3.355346	3.151834	0.954021	1.729943	3.022513	1.990669	1.753841	0.526712
6.264805	3152.32915	1796.3351	196.71086	166.84749	281.50071	393.034759	4274.53325	1598.45524	1048.27694	193.172257
22203.56	22201.24	19708.98	21131.14	22510.96	22105.54	20631.76	23821.18	21136.94	22522.56	22042.9
56.641734	56.635816	55.99142	56.349706	56.2774	56.391683	56.064565	56.182028	56.215265	56.3064	56.231887
22736	22736	20416	21808	23200	22736	21344	24592	21808	23200	22736
58	58	58	58.154666	58	58	58	58	58	58	58
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
1.581563	39.984538	40.649105	37.68323	35.632607	10.900144	19.511999	34.165075	22.425435	19.889201	5.988133
1.581563	39.984538	40.649105	37.68323	35.632607	10.900144	19.511999	34.165075	22.425435	19.889201	5.988133
186.801672	108027.423	79452.5886	28009.125	29885.451	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
192.762886	124974.315	97520.5495	31880.636	33833.249	16109.7067	24784.3768	57917.4572	31040.2424	25071.8426	2296.96452
5.961213	16946.8928	18067.9609	3871.5116	3947.7978	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
192.762886	124974.315	97520.5495	31880.636	33833.249	16109.7067	24784.3768	57917.4572	31040.2424	25071.8426	2296.96452
137.93	275.41	246.35	223.83	194.61	94.46	130.99	249.12	181.69	120.09	149.77
151.613223	91888.2771	70155.6592	26980.536	28969.458	12410.3327	18230.3378	23768.8118	17142.1486	15447.1593	1168.25846
156.057917	106040.636	86164.5645	30720.738	32787.275	14375.5538	22201.4052	29250.9812	20533.8827	18466.5388	1223.01999
1.356728	42.861043	43.835731	41.738868	40.187914	12.246356	21.16158	25.036448	19.474557	19.555078	4.04509
2.814875	1875.12231	1459.38601	517.93553	561.12607	260.113524	362.532135	473.019716	337.794591	310.946132	23.571213
52.409197	50.43941	52.752841	55.728727	51.663789	48.103517	51.466058	50.947326	51.585866	50.365536	51.068688
1.572275	38.270291	35.322782	15.042236	6.715904	6.731162	12.342583	34.076432	21.14568	15.063365	5.600274
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
0.008877	5.637244	4.687784	1.436853	1.4471	0.739795	1.098532	2.185943	1.349734	1.0556	0.112448
5.961213	16946.8928	18067.9609	3871.5116	3947.7978	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
5.961213	16946.8928	18067.9609	3871.5116	3947.7978	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
0.665124	334.677688	190.713993	20.884474	17.713928	29.886475	41.727864	453.820283	169.705408	111.293867	20.508786
35.188449	16139.1455	9296.9294	1028.5885	915.99346	1393.98329	2144.79601	23003.0952	8649.90341	5460.29694	1007.44271
0.06	25.89	16.2	7.35	8.27	3.61	4.63	7.51	5.15	4.32	0.59
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	2.09	1.03	0.08	0.12	0.13	0.24	2.45	1.11	0.65	0.17
16.4871	9941.4672	7045.6748	2125.7563	2001.1561	986.901	1612.3818	4556.4742	2336.5959	1604.4886	160.6027
0.01	0.89	0.44	0.15	0.32	0.05	0.06	0.29	0.06	0.18	0.05

4.1335	375.2329	185.5084	63.2415	134.9152	21.0805	25.2966	122.2669	25.2966	75.8898	21.0805
186.801672	108027.423	79452.5886	28009.125	29885.451	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
186.801672	108027.423	79452.5886	28009.125	29885.451	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
155.245772	89885.3977	66000.2762	23613.77	25096.662	11451.6355	17099.5868	39197.8465	21686.4554	17436.7568	1800.21746
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
4.1335	375.2329	185.5084	63.2415	134.9152	21.0805	25.2966	122.2669	25.2966	75.8898	21.0805
186.801672	108027.423	79452.5886	28009.125	29885.451	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
27.4224	17766.792	13266.804	4332.1128	4653.8736	2331.6	3250.2504	7451.7936	4080.3	3394.8096	354.4032
	0.35	0.5	0.24							
11.155972	10.789357	10.83556	10.994405	11.026068	11.243697	11.271309	11.162346	11.206498	11.224085	
0.530608	0.784768	0.73337	0.616985	0.59473	0.495925	0.483017	0.52175	0.509866	0.506994	
0.513224	0.758785	0.705107	0.597289	0.575438	0.477829	0.466706	0.501604	0.494393	0.377717	
619000.46	661119.313	544684.793	449948.4	320012.74	463133.154	465209.191	731800.418	613183.582	391729.7	
2429.26888	2559.9183	2200.30035	2072.8172	1653.1267	2457.26876	2333.57637	2937.41155	2611.83434	1999.60078	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
0.033826	0.034489	0.039517	0.033563	0.0326	0.038724	0.035027	0.03941	0.030718	0.04495	0.035204
248461.94	353916.887	296853.012	272969.25	280886.38	232996.354	214433.472	263092.001	230742.981	187403.082	
265305.897	385474.116	323457.923	298369.11	306864.98	252867.482	233860.437	287339.227	251753.405	203766.776	
2.7049	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	
408695.046	600455.391	503640.821	463119.63	476551.83	395301.613	363807.829	446361.889	391478.541	317948.069	
42040.14	42011.28	37527.99	40335.18	42952.56	41827.02	39417.21	45209.19	40453.95	32992.53	
107.245255	107.171632	106.613607	107.56048	107.3814	106.701581	107.111983	106.625448	107.590292	82.481325	
43512	43512	39072	41736	44400	43512	40848	47064	41736	44400	43512
111	111	111	111.296	111	111	111	111	111	111	111
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
32.012208	31.869011	32.051909	32.472816	32.531461	33.364908	33.330101	33.046661	33.04742	33.328411	
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714654.399	1044171.04	877328.577	806462.26	829346.64	689047.257	633691.82	778916.181	680372.799	554775.569	
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378.74	378.48	338.09	363.38	386.96	376.82	355.11	407.29	364.45	297.04	
88720.9092	375655.244	324840.904	349930.18	502750.22	217054.583	161817.669	38256.2422	61824.7371	155811.949	
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36.836359	50.130698	50.354554	54.698428	60.86181	42.147077	37.057244	26.524471	32.110464	39.4956	
2902.95665	12104.3324	10470.3784	11161.921	15898.09	6850.25957	5061.50163	1222.03763	1960.32457	4930.7496	
22.774933	28.606077	27.12241	25.126262	25.800645	22.138679	22.918775	21.752959	22.019057	21.908585	
22.518489	28.399317	26.737623	23.352586	21.443878	18.743488	19.709249	21.583134	21.674689	18.939778	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
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16.59	123.38	84.58	56.04	47.65	14.27	13.3	10.7	11.89	13.98	
129484.246	-309236.52	-170590.59	9269.926	61835.5	191313.468	163231.772	116902.334	128304.041	137636.053	
33294.9785	-845476.12	-612507.26	-411092.32	-487471.45	-18802.75	5182.49462	72685.9184	59228.9137	-17855.452	
295.69	144.7	139.04	166.86	124.98	215.45	215.63	340.87	296.21	176.41	
									0.2225	1
93473.0013	94018.8859	80225.4579	76042.835	72316.51	68591.1437	68425.6539	97394.3363	82989.6279	55598.9941	
0.87	0.91	0.96	0.81	0.81	1.09	0.82	1.09	0.66	0.89	
6933.03	7396.48	7802.88	6583.68	6583.68	8859.52	6664.96	8859.52	5364.48	7233.92	
844525.455	1229163.39	1032493.65	949143.28	976165.95	810834.451	745776.196	916434.37	800982.155	652731.16	
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6933.03	7396.48	7802.88	6583.68	6583.68	8859.52	6664.96	8859.52	5364.48	7233.92	
844525.455	1229163.39	1032493.65	949143.28	976165.95	810834.451	745776.196	916434.37	800982.155	652731.16	
33720.4261	50845.0496	42426.9538	38389.828	39346.15	32018.642	29358.5939	36355.5438	31776.3723	25826.8041	
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1142.34	1132.08	1029.06	1087.8	1168.86	1135.29	1077.42	1226.19	1098.66	1153.59	1157.34
2.914132	2.887959	2.923465	2.9008	2.92215	2.896147	2.927771	2.891957	2.921968	2.883975	2.952397
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

11.539651	11.270635	11.324442	11.463945	11.484942	11.801553	11.794446	11.667869	11.650763	11.873715	11.575881
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0.534672	0.808292	0.768685	0.700608	0.67842	0.383551	0.558326	0.59831	0.606414	0.438627	0.628509
226693.603	339660.491	290920.687	286949.48	289248.49	165510.774	230184.303	282871.416	253631.105	194062.046	271001.78
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9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
0.040127	0.04153	0.052045	0.042765	0.047025	0.052423	0.048152	0.041155	0.043271	0.04695	0.043647
103547.101	152423.258	130622.596	128901.94	133251.07	75613.5582	103724.125	126968.421	113815.027	88551.742	122258.264
110444.717	166128.681	142253.561	140609.28	145242.37	82160.9291	113288.922	138760.456	124425.16	96152.8	133576.608
2.0965	2.1391	2.1391	2.1391	2.1391	2.139099	2.1391	2.1391	2.1391	2.1391	2.1391
107326.57	159907.24	137036.166	135231.02	139793.7	79326.1839	108816.979	133202.57	119403.345	92899.6326	128261.144
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34.62926	41.214183	40.762045	41.270826	40.8758	28.283469	40.929456	41.230306	41.032978	32.9423	41.123137
16856	16856	15136	16168	17200	16856	15824	18232	16168	17200	16856
43	43	43	43.114666	43	43	43	43	43	43	43
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
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		3.86936	218.26252	7456.4081	2441.48948	756.558555		1.910064	2534.77695	1430.13266
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		0.090487	2.209574	10.510652	7.763366	5.6926		0.069159	9.008277	7.052323
		0.15905	8.950872	301.07253	99.328867	29.044635		0.069159	101.357158	57.481192
23.178073	31.334227	31.183199	25.362605	24.727123	24.370194	24.385124	19.410211	20.87263	21.789769	22.190657
5.330956	9.71361	10.600922	14.321317	22.888066	19.013873	16.903769	4.852552	5.20695	17.549199	21.786158
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
22.990918	34.756556	33.053494	30.206506	29.1721	16.492729	24.008043	25.727334	26.075824	18.860975	27.025918
-60315.773	108741.194	55469.5672	-19225.265	-38067.551	-66288.438	-77366.186	-60247.364	-64041.847	-77145.835	-80761.474
-60315.773	108741.194	55469.5672	-19225.265	-38067.551	-66288.438	-77366.186	-60247.364	-64041.847	-77145.835	-80761.474

9012.44	13624.57	11634.6709	11318.489	11367.767	6365.82113	8805.91536	10908.39	9804.44084	7443.03284	10536.6788
226693.603	339660.491	290920.687	286949.48	289248.49	165510.774	230184.303	282871.416	253631.105	194062.046	271001.78
				0.04					0.01	0.02
6191.70332	-188412.83	-123746	-48151.777	-31582.782	26765.2309	23149.5864	-6119.0299	4550.73233	30859.8398	16857.0799
6191.70332	-188412.83	-123750.83	-48390.41	-40790.425	24092.6354	22548.3064	-6119.0299	4548.94783	28389.1872	15402.7992
2.97	3.63	3.48	2.48	3.12	2.22	4.36	2.84	2.82	15.76	55.74
0.160714				0.0025	0.303571			0.002659	0.1975	
75823.5929	92887.8029	78395.1145	74715.486	70401.088	45186.7938	66776.4163	96878.4151	80952.2923	53051.2001	69521.3458
2.05	1.15	1.24	1.21	1.2	1.9	1.12	1.16	1.07	2.14	1.29
8080.2144	4623.45885	4985.29476	4864.6828	4824.4788	7638.7581	4502.84688	4663.66284	4301.82693	8603.65386	5186.31471
288897.886	423955.587	364186.282	359409.47	371179.71	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
288897.886	423955.587	364186.282	359409.47	371179.71	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
217771.287	326035.921	279289.727	275840.31	285036.06	161487.113	222105.901	271963.026	243828.505	189052.433	261837.752
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
8080.2144	4623.45885	4985.29476	4864.6828	4824.4788	7638.7581	4502.84688	4663.66284	4301.82693	8603.65386	5186.31471
288897.886	423955.587	364186.282	359409.47	371179.71	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
8922.3156	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
			0.04	0.1	0.12	0.03			0.56	1.14
0.025408	0.033112	0.028096	0.02617	0.026625	0.026913	0.036983	0.049504	0.021648	0.027075	0.037525
1146.12	1137.06	1026.33	1098.48	1168.05	1144.35	1063.17	1209.03	1103.58	1167.51	1131.87
2.923775	2.900663	2.91571	2.92928	2.920125	2.91926	2.889048	2.851485	2.935053	2.918775	2.887423
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

9.26629	9.74121	5.193558	4.062732	1.545227	3.247657	6.915892	4.226148	2.534573
0.021216	0.026511	0.003684	0.003393	0.002761	0.00517	0.012611	0.005623	0.00505
0.020642	0.025579	0.003553	0.003275	0.002637	0.004945	0.012136	0.005377	0.004975
933.860579	705.773901	5.067384	66.723335	7.026899	186.224488	2120.35183	449.421198	380.347779

	3.466215	2.728335	0.023399	0.321081	0.034272	0.702217	7.049283	1.604495	1.708922	
	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
0.027142	0.029489	0.034687	0.030305	0.033437	0.028227	0.026413	0.032122	0.028337	0.0281	0.027959
	5693.8	6380.2	941.2	917.9	727.7	1291.4	3646.9	1429.5	1407.1	
	21154.7791	24049.0374	3834.0103	4199.1294	3005.83706	5798.94275	16461.9268	6491.65187	6177.00218	
	2.540088	2.752882	1.474881	1.3297	0.467344	1.03308	2.162022	1.351331	0.798797	
	245.649703	201.885473	2.386696	14.464046	1.743951	40.15008	461.281841	99.432365	89.037594	
19094.4	19056.5	16907.9	18211.5	19293	19127	17893.3	20586.2	18245.5	19381.9	19093.4
48.710204	48.61352	48.033806	48.564	48.2325	48.793367	48.623097	48.552358	48.525265	48.45475	48.707653
19600	19600	17600	18800	20000	19600	18400	21200	18800	20000	19600
50	50	50	50.133333	50	50	50	50	50	50	50
	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
	45.292307	57.552122	25.748039	20.190992	8.690308	23.753994	53.809384	29.900675	19.005354	
	36.067391	39.263061	20.773158	18.687362	6.580949	14.608103	30.665912	19.170984	11.48359	
	21339.7521	24156.1844	3845.5083	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
	23941.6119	28835.8195	4331.7338	4493.5887	3335.30616	6770.70103	19013.7855	7403.49	7013.73598	
	2601.85988	4679.63507	486.22543	280.31728	318.776096	960.48928	2479.88872	897.235134	822.130791	
	23941.6119	28835.8195	4331.7338	4493.5887	3335.30616	6770.70103	19013.7855	7403.49	7013.73598	
61.01	310.31	305.64	220	153.37	136.52	204.96	352.56	248.71	166.9	143.78
	20405.8915	23450.4105	3840.4409	4146.5481	3009.50316	5623.98726	14413.545	6056.83367	5811.2574	
	22922.1573	27989.4401	4326.6048	4425.0186	3327.65545	6558.87901	16589.7068	6918.89423	6579.13614	
	13.736014	15.013852	7.721586	5.789264	2.346336	5.13157	10.386622	5.996443	3.995919	
	387.053592	435.926271	66.629521	64.466853	51.575432	88.153565	224.413282	93.997688	93.140171	
	56.367657	51.048332	29.724505	66.281829	56.41016	69.402621	64.966086	63.366728	61.366804	
	12.856733	7.657249	0.297245	1.325636	0.564101	3.470131	20.753703	10.138676	5.523012	
	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
	1.032142	1.278977	0.178133	0.16375	0.131887	0.247282	0.606839	0.268882	0.24875	
	2601.85988	4679.63507	486.22543	280.31728	318.776096	960.48928	2479.88872	897.235134	822.130791	
	2601.85988	4679.63507	486.22543	280.31728	318.776096	960.48928	2479.88872	897.235134	822.130791	
	17.546407	14.273728	0.170478	1.033146	0.124567	2.846434	32.886717	7.102311	6.359828	
	933.860579	705.773901	5.067384	66.723335	7.026899	186.224488	2120.35183	449.421198	380.347779	
	5.45	6.19	0.96	1.25	0.65	1.32	3.36	1.31	1.31	
	-2601.8599	-4679.6351	-486.22543	-280.31728	-318.7761	-960.48928	-2479.8887	-897.23513	-822.13079	
	-25524.017	-32669.075	-4812.8303	-4705.3358	-3646.4315	-7519.3683	-19069.596	-7816.1294	-7401.2669	
	0.15	0.1				0.02	0.18	0.06	0.03	

2836.1382	3287.5996	421.229	336.4342	275.1341	641.6388	2163.7479	779.4697	638.36	
0.35	0.15	0.02	0.03	0.02	0.01	0.11	0.02	0.02	
173.703	77.477	9.198	13.797	9.198	4.599	54.835	9.198	9.198	
21339.7521	24156.1844	3845.5083	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
21339.7521	24156.1844	3845.5083	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
21154.7791	24049.0374	3834.0103	4199.1294	3005.83706	5798.94275	16461.9268	6491.65187	6177.00218	
404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
173.703	77.477	9.198	13.797	9.198	4.599	54.835	9.198	9.198	
21339.7521	24156.1844	3845.5083	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
11.27	29.67	2.3	0.345	1.495	6.67	17.135	5.405	5.405	
0.09	0.1	0.03							

0.030025	0.022525	0.025625	0.01984	0.018625	0.032933	0.035	0.038301	0.029813	0.02655	0.032397

1520.92	1532.68	1371.92	1474.16	1570.2	1516.36	1420.48	1631.04	1459.16	1557.52	1517.2
3.879897	3.909897	3.8975	3.931093	3.9255	3.868265	3.86	3.846792	3.880744	3.8938	3.870408
1568	1568	1408	1504	1600	1568	1472	1696	1504	1600	1568
4	4	4	4.010666	4	4	4	4	4	4	4

10.463451	10.210967	10.242037	10.357705	10.380924	10.685273	10.666462	10.529891	10.573732	10.686945	10.527712
0.454864	0.708501	0.669807	0.544735	0.519456	0.355722	0.357439	0.409554	0.389497	0.377723	0.407325
0.430796	0.669224	0.630858	0.515622	0.489849	0.254427	0.33888	0.389494	0.363493	0.355653	0.384177
274398.802	425848.639	357871.124	301047.39	244753.22	144686.568	205621.605	281435.272	233052.66	223310.124	225195.259
1072.44586	1662.97035	1458.97654	1385.934	1262.4461	765.22876	1012.46025	1106.66629	983.716903	1158.08147	1153.51113
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
0.052551	0.059591	0.057613	0.055	0.057175	0.063698	0.05576	0.051132	0.068138	0.05775	0.060255
102832.84	155198.754	131832.451	116584.46	118283.64	61788.5057	77385.2806	101417.732	84173.9572	87932.898	92354.0191
110108.524	169320.212	143510.613	127624.69	129466.1	66762.7468	84506.2097	111097.928	92182.0722	95323.5835	101502.6
2.6151	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222
159915.349	253315.407	215176.927	190289.16	193062.56	100851.199	126308.255	165534.021	137388.733	143524.076	150740.23

21764.04	21602.304	19438.792	20821.752	22044.734	16344.126	20362.328	23575.952	20532.268	22086.34	21587.068
55.52051	55.107918	55.22384	55.524671	55.111834	41.694198	55.332413	55.60366	54.607095	55.215849	55.069051
22971.2	22971.2	20627.2	22033.6	23440	22971.2	21564.8	24846.4	22033.6	23440	22971.2
58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
31.024322	30.890366	30.706856	31.353023	31.262737	37.270302	34.511759	32.30037	33.158915	33.491322	33.312252
27.854191	28.307092	28.39105	28.705491	28.767848	29.605082	29.544769	29.172287	29.292133	29.60822	29.163422
302149.554	457832.308	389033.072	349970.22	351728.74	207252.376	242627.515	307829.748	261741.453	267355.393	286835.766
274751.344	640820.604	502459.494	379974.78	363620.54	150614.484	200134.198	298908.856	232101.507	225424.148	240947.116
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274751.344	640820.604	502459.494	379974.78	363620.54	150614.484	200134.198	298908.856	232101.507	225424.148	240947.116
371.4	368.64	331.72	355.32	375.25	278.91	347.48	402.32	350.38	376.9	368.38
573.030188	4627.14943	7452.96352	22660.574	83631.296	25908.071	8919.88289	132.217157	602.765853	19789.1544	31548.3348
638.333275	6932.65023	10835.6734	28307.974	102818.05	29441.1767	9039.39182	140.174765	641.947203	21830.5887	34979.1779
3.919316	7.5187	10.991172	16.971029	24.623858	18.169521	13.139687	1.697354	5.271538	16.388201	19.784165
20.94534	165.995554	268.474812	810.83439	2982.7153	924.508866	310.243988	4.656426	21.244914	704.692026	1116.56905
23.390799	28.538429	28.311246	26.001389	27.012183	24.908494	25.124141	22.196933	23.330253	19.749013	22.094732
22.404846	28.231554	27.403345	25.27255	24.797868	21.220903	21.498041	18.853456	21.15512	18.667424	21.866192
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
25.244688	39.21653	36.968295	30.296037	28.705155	14.909428	19.858391	22.824358	21.300691	20.84127	22.512826
-81148.935	101865.907	44517.6	-30934.133	-49935.056	-88934.743	-82942.603	-61931.941	-73637.673	-87893.771	-94162.096
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9874.97266	15206.8844	12744.3652	10550.18	8499.3467	4919.98713	6997.64401	9672.87157	7987.81509	7631.81597	7708.45895
274398.802	425848.639	357871.124	301047.39	244753.22	144686.568	205621.605	281435.272	233052.66	223310.124	225195.259
0.01	0.68	0.71	0.87	1.31	0.21	0.16		0.01	1.59	6.25
27398.2099	-182988.3	-113426.42	-30004.565	-11891.804	56637.8912	42493.3166	8920.89255	29639.9455	41931.2454	45888.6498
26759.8766	-189920.95	-124262.1	-58312.539	-114709.85	27196.7145	33453.9248	8780.71779	28997.9983	20100.6567	10909.4719
20.56	17.33	18.59	17.46	13.32	13.54	16.86	25.46	17.29	81.15	277.26
				0.0025	0.242346					
84593.5294	84883.5703	72986.3973	68985.875	65969.987	46031.5081	62074.7486	90384.5172	73203.7902	64618.7657	63894.161
1.52	1.5	1.3	1.44	1.28	2.01	1.54	1.44	1.54	1.33	1.65
27177.7216	27356.52	23708.984	26262.259	23344.23	36657.7368	28086.0272	26262.2592	28086.0272	24256.1144	30092.172
355900.279	538954.697	457941.894	410908.92	413555.6	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
355900.279	538954.697	457941.894	410908.92	413555.6	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
270023.873	422635.619	358687.539	317913.84	322528.66	167613.946	210814.465	276631.95	229570.805	238847.66	252242.83

9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
27177.7216	27356.52	23708.984	26262.259	23344.23	36657.7368	28086.0272	26262.2592	28086.0272	24256.1144	30092.172
355900.279	538954.697	457941.894	410908.92	413555.6	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
4947.959	7840.1688	6636.5484	5794.1171	5855.8516	2980.69296	3727.02288	4935.53928	4084.6206	4251.61908	4500.76428
0.1	0.5	0.54	1.98	4.89	2.49	1.31	0.04	0.17	10.34	45.69
	6.45	7.8	2.85	1.5	1.5	2.4	5.85	3.9	2.4	
	0.013352	0.021157	0.002281	0.00106	0.001955	0.004051	0.00982	0.004416	0.003856	
	0.013035	0.020568	0.002234	0.001025	0.001887	0.00394	0.009481	0.004281	0.003725	
	112.68757	133.058689				28.233927	173.850106	23.24086	41.884659	
	0.416509	0.51142				0.109955	0.580254	0.087521	0.175999	
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
0.021479	0.017627	0.027357	0.026675	0.0361	0.026658	0.027173	0.028443	0.037021	0.033225	0.040535
	1073.1	1520.4	176.4	86.1	155.4	304.5	844.2	338.1	312.9	
	3822.43837	5577.23013	749.3453	382.38803	637.680271	1361.19688	3824.04517	1549.40992	1373.10458	
	1.571929	2.022308	0.806021	0.444365	0.419327	0.715963	1.746748	1.166816	0.704936	
	26.22614	35.642136				6.3	37.861655	5.158302	7.295779	
5370.12	5391.26	4793.18	5123.58	5397.84	5341.7	5012	5767.16	5069.12	5413.94	5265.54
13.699285	13.753214	13.616988	13.66288	13.4946	13.626785	13.619565	13.601792	13.481702	13.53485	13.4325
5488	5488	4928	5264	5600	5488	5152	5936	5264	5600	5488
14	14	14	14.037333	14	14	14	14	14	14	14
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
	24.519078	31.407208	12.215318	6.665476	6.28991	10.846591	27.089612	17.502252	10.751135	
	24.519078	31.407208	12.215318	6.665476	6.28991	10.846591	27.089612	17.502252	10.751135	
	4000.93837	5650.73013	759.8453	382.38803	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
	4302.21283	6696.22734	843.17418	412.03578	694.922429	1577.74051	4351.50118	1753.56692	1534.16005	
	301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469	
	4302.21283	6696.22734	843.17418	412.03578	694.922429	1577.74051	4351.50118	1753.56692	1534.16005	
28.5	161.41	165.02	105.95	77.39	82.23	115.95	183.78	124.01	94.13	73.83
	3888.2508	5517.67144	759.8453	382.38803	637.680271	1343.46295	3723.69506	1526.16906	1352.21992	
	4193.52171	6542.63124	843.17418	412.03578	694.922429	1545.77486	4162.94053	1729.42349	1500.64356	
	6.015439	7.266033	2.66	1.4	1.4	2.24	5.399934	3.496805	2.234893	
	69.79159	98.983857	11.76	5.74	10.36	19.88	53.755889	22.196113	20.373614	
	65.588979	56.61423				73.423347	72.165961	70.877635	71.377181	
	3.935338	3.962996				0.734233	7.938255	2.126329	1.427543	

71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
0.1825	0.287954	0.03136	0.01435	0.026428	0.055163	0.132735	0.059946	0.05215	
301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469	
301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469	
1.748409	2.376142				0.42	2.52411	0.343886	0.486385	
112.68757	133.058689				28.233927	173.850106	23.24086	41.884659	
4.06	4.54	0.64	0.38	0.61	0.85	2.46	1.13	1	
-301.27447	-1045.4972	-83.328878	-29.647743	-57.242158	-206.04363	-453.95601	-204.15701	-140.05547	
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0.12	0.08				0.02	0.11	0.02	0.03	
1335.0637	1809.3734	196.5281	84.4551	146.6493	343.6582	1151.0721	434.5479	335.8991	
0.17	0.07	0.01			0.01	0.07		0.02	
178.5	73.5	10.5			10.5	73.5		21	
4000.93837	5650.73013	759.8453	382.38803	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
4000.93837	5650.73013	759.8453	382.38803	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
3822.43837	5577.23013	749.3453	382.38803	637.680271	1361.19688	3824.04517	1549.40992	1373.10458	
71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
178.5	73.5	10.5			10.5	73.5		21	
4000.93837	5650.73013	759.8453	382.38803	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
0.04	0.03								

11.073446	10.745091	10.799164	10.946075	10.972791	11.242647	11.265868	11.138458	11.176301	11.225603	11.099802
0.302167	0.465902	0.439172	0.362565	0.349685	0.260839	0.274788	0.303233	0.294423	0.258794	0.201573
0.286604	0.449605	0.420984	0.349448	0.336083	0.232468	0.264428	0.291896	0.283118	0.226056	0.135252
1120128.05	1443814.14	1203612.37	1038978.9	854997.17	774731.505	903374.353	1321404.4	1108989.91	814984.4	497204.481
4385.69579	5616.52735	4888.43965	4795.9801	4426.3133	4110.1293	4514.37908	5266.02153	4711.94067	4235.87541	2562.62247
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
0.030269	0.032416	0.036301	0.033191	0.034318	0.035725	0.034612	0.036749	0.034081	0.03539	0.034109
454874.659	689119.906	582750.951	524648.4	538877.18	374013.027	400946.502	504699.16	435279.708	369584.801	215027.472
486014.384	835785.625	704848.64	594800.21	611251.62	416886.31	455915.295	596681.43	498088.155	420230.023	236879.425
2.545891	2.675361	2.673675	2.630136	2.63104	2.656095	2.625944	2.649947	2.626715	2.63681	2.390061
675936.965	1013678.04	855853.913	788639.81	809408.09	575478.996	598933.063	745098.481	648270.619	554371.778	279001.374
6.264805	3424.20499	2033.86271	199.09756	181.31154	283.244662	439.48484	4773.67675	1703.04591	1144.61031	193.172257
136471.56	138794.664	123759.192	132934.18	141125.1	128158.931	129951.733	149812.017	132726.803	128194.285	96529.488
348.141734	354.06802	351.588613	354.49114	352.81275	326.936048	353.129709	353.330228	352.996816	320.485712	246.248693

143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2
367.099999	367.099999	367.099999	368.07893	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
90.731034	198.044357	218.090572	165.45831	152.29733	124.060513	148.712107	206.821951	162.413189	144.146185	65.58847
29.339893	30.115076	30.214059	30.021834	30.109575	31.171263	30.83736	30.814294	30.61431	30.834726	27.314737
1251764.57	1979655.41	1671531	1481079.4	1517085.9	1089349.18	1139320.09	1441484.36	1233896.81	1055824.6	566629.694
1088696.37	2680143.08	2103087.11	1554406.9	1502982.7	817313.999	916021.187	1335859.55	1077751.67	850524.038	504005.228
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1293.27	1869.97	1721.22	1629.52	1567.39	1234.02	1509.83	2003.52	1628.12	1376.85	1110.65
89445.5526	496464.813	431421.478	404389.84	627336.31	261461.66	196691.898	80294.5112	87154.5644	200746.517	34146.726
96983.6589	676328.564	573453.805	484799.37	698956.97	260628.121	197996.008	94360.2191	98901.0594	206339.065	37656.4786
10.528101	19.142558	20.366526	19.10301	21.308966	12.34557	12.793464	11.34735	10.345059	13.524841	10.29386
2926.71687	14602.2955	12733.3084	12578.031	19813.21	8196.14626	5871.35596	1977.88295	2435.62704	6161.2587	1197.62146
23.384169	34.73849	32.959214	27.337301	26.778191	24.432437	26.284902	31.460312	27.446248	23.794707	23.14052
23.239753	34.621481	32.787586	26.369241	24.04197	20.889026	22.604097	31.363878	27.276988	21.311978	22.938815
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
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38316.5291	50097.3605	41665.9916	35656.263	29537.22	25256.8857	29851.074	43455.9511	36643.091	27032.8913	18265.6465
1120128.05	1443814.14	1203612.37	1038978.9	854997.17	774731.505	903374.353	1321404.4	1108989.91	814984.4	497204.481
16.66	159.46	112.22	65.86	58.9	19.35	20.26	24.03	19.49	22.21	6.86
163068.198	-700487.67	-431556.1	-73327.482	14103.151	272035.181	223298.899	105624.802	156145.136	205300.566	62624.4664
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319.22	168.02	162.32	186.88	141.54	231.34	237.13	371.91	317.51	274.03	333.17
0.01461				0.000454	0.049628			0.000241	0.038181	0.090909
253906.611	285902.928	243749.618	222487.71	211109.63	161218.13	199874.498	292528.563	240696.324	175847.708	133576.11
4.45	4.97	4.16	3.64	3.64	5.07	3.56	4.16	3.35	4.58	2.99
42195.0995	40103.8948	36833.6442	37793.561	34901.101	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672
1489510.42	2325441.79	1963881.33	1752076.2	1795382.4	1282956.43	1346070.35	1698379.99	1457995.01	1246028.72	678807.534
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41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
42195.0995	40103.8948	36833.6442	37793.561	34901.101	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672

1489510.42	2325441.79	1963881.33	1752076.2	1795382.4	1282956.43	1346070.35	1698379.99	1457995.01	1246028.72	678807.534
47618.1231	90087.8504	73994.8062	59845.798	61525.06	43797.58	45177.4972	59668.4017	49751.2079	41023.0278	15449.3275
55.83	64.21	76.96	122.98	199.17	132.73	110.34	27.78	38.99	101.77	46.83

2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
495068.05	236104.136	221148.346	170348.61	90540.488	179892.554	210036.088	619921.188	472681.599	252991.457	421169.174
1931.8243	909.428748	889.267096	779.31405	462.72943	944.671034	1003.27938	2475.2758	1990.12087	1291.90575	2138.55352
-99556.394	-100325.58	-86402.851	-80956.019	-76780.398	-73733.075	-73018.741	-104599.51	-87774.597	-75825.507	-75809.456
99556.3937	100325.585	86402.8508	80956.019	76780.398	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
495068.05	236104.136	221148.346	170348.61	90540.488	179892.554	210036.088	619921.188	472681.599	252991.457	421169.174
318.24	166.9	161.32	185.35	139.52	237.28	234.73	370.98	316.25	273.8	336.3
182.529066	154.912652	156.538514	131.91569	103.19211	131.456094	152.030484	206.344623	186.000114	161.741144	153.400982
76.498891	55.799997	60.331094	47.47845	35.32277	45.723257	47.903155	84.268163	75.883755	56.528426	62.229531
24891.8289	10542.0867	10610.6264	9209.5337	5141.3929	11105.392	11612.746	31615.9465	24371.9886	15855.2254	21201.0036
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2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2823856.38	3933577.6	3116865.54	2393491.5	2069439.8	1679935.25	1802638.81	3157309.2	2532000.34	1815098.83	2128367.77
99556.3937	100325.585	86402.8508	80956.019	76780.398	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6

2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
495068.05	236104.136	221148.346	170348.61	90540.488	179892.554	210036.088	619921.188	472681.599	252991.457	421169.174
1931.8243	909.428748	889.267096	779.31405	462.72943	944.671034	1003.27938	2475.2758	1990.12087	1291.90575	2138.55352
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99556.3937	100325.585	86402.8508	80956.019	76780.398	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
495068.05	236104.136	221148.346	170348.61	90540.488	179892.554	210036.088	619921.188	472681.599	252991.457	421169.174
318.24	166.9	161.32	185.35	139.52	237.28	234.73	370.98	316.25	273.8	336.3
182.529066	154.912652	156.538514	131.91569	103.19211	131.456094	152.030484	206.344623	186.000114	161.741144	153.400982

76.498891	55.799997	60.331094	47.47845	35.32277	45.723257	47.903155	84.268163	75.883755	56.528426	62.229531
24891.8289	10542.0867	10610.6264	9209.5337	5141.3929	11105.392	11612.746	31615.9465	24371.9886	15855.2254	21201.0036
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2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2823856.38	3933577.6	3116865.54	2393491.5	2069439.8	1679935.25	1802638.81	3157309.2	2532000.34	1815098.83	2128367.77
99556.3937	100325.585	86402.8508	80956.019	76780.398	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.9	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6

4409.769	4926.13268	4116.29007	3896.2801	4543.2882	4368.54895	3652.8915	3302.41604	3164.20821	4014.08454	4699.17578
100892.49	179985.954	137839.505	105784.13	117571.48	89839.8013	76340.8254	72440.1349	69683.8906	80081.9895	105169.916
				14.370221	0.101393	5.055182			41.122658	0.305785
				0.345215	0.015955	0.166353			1.013284	0.014886
				0.600662	0.015955	0.430058			2.329835	0.014886
20.775336	33.241097	34.444743	18.672806	21.950316	18.333041	22.18154	18.967668	18.342457	18.31808	21.083707
1.038766	0.997232	2.755579	0.560184	2.634038	10.633164	0.665446	0.56903	0.183424	3.663616	7.800971
4409.769	4926.13268	4116.29007	3896.2801	4543.2882	4368.54895	3652.8915	3302.41604	3164.20821	4014.08454	4699.17578
11.24941	12.566665	11.694005	10.39008	11.35822	11.144257	9.926335	7.788717	8.415447	10.035211	11.987693
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100892.49	179985.954	137839.505	105784.13	117571.48	89839.8013	76340.8254	72440.1349	69683.8906	80081.9895	105169.916
4409.769	4926.13268	4116.29007	3896.2801	4542.6875	4368.533	3652.46144	3302.41604	3164.20821	4011.7547	4699.1609

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4409.769	4926.13268	4116.29007	3896.2801	4543.2882	4368.54895	3652.8915	3302.41604	3164.20821	4014.08454	4699.17578
4409.769	4926.13268	4116.29007	3896.2801	4543.2882	4368.54895	3652.8915	3302.41604	3164.20821	4014.08454	4699.17578
100892.49	179985.954	137839.505	105784.13	117571.48	89839.8013	76340.8254	72440.1349	69683.8906	80081.9895	105169.916
100892.49	179985.954	137839.505	105784.13	117571.48	89839.8013	76340.8254	72440.1349	69683.8906	80081.9895	105169.916
267040.394	292029.204	269129.943	284417.81	332376.81	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
1058.39498	1146.64754	1101.74363	1330.7873	1741.4901	1593.91111	1174.97268	855.469128	788.023053	1308.78478	1381.93378
7721.97185	8580.29688	7461.32362	7885.1624	9214.7716	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
178168.855	313053.685	248360.219	213145.7	234855.47	166827.392	132563.896	132773.006	114395.014	135227.538	164140.403
7721.97185	8580.29688	7461.32362	7885.1624	9214.7716	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
19.698907	21.888512	21.196942	21.027099	23.036929	21.103902	17.169446	13.560202	13.379949	16.851659	18.755776
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89580.0795	-4228.138	20769.7239	71272.113	97521.345	131569.976	95339.2149	74612.3975	67068.1388	107908.2	101055.777
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267748.935	308825.547	269129.943	284417.81	332376.81	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
267748.935	308825.547	269129.943	284417.81	332376.81	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
7721.97185	8580.29688	7461.32362	7885.1624	9214.7716	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
267748.935	308825.547	269129.943	284417.81	332376.81	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
267748.935	308825.547	269129.943	284417.81	332376.81	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
7721.97185	8580.29688	7461.32362	7885.1624	9214.7716	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
178168.855	313053.685	248360.219	213145.7	234855.47	166827.392	132563.896	132773.006	114395.014	135227.538	164140.403
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263597.902	287255.913	264723.86	279826.95	326667.17	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
1044.82258	1127.91375	1083.68908	1309.3618	1711.4243	1567.3736	1158.03025	840.492478	774.307591	1288.47913	1360.81981
8679.08182	9641.8954	8382.64281	8860.8915	10344.115	9291.75416	7111.68219	6452.69589	5646.24777	7579.14509	8268.10495
200220.258	351779.368	279035.154	239497.2	263698.15	187385.482	149088.365	149102.882	128419.328	152028.249	184569.528

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264303.66	303887.207	264723.86	279826.95	326667.17	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
264303.66	303887.207	264723.86	279826.95	326667.17	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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264303.66	303887.207	264723.86	279826.95	326667.17	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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200220.258	351779.368	279035.154	239497.2	263698.15	187385.482	149088.365	149102.882	128419.328	152028.249	184569.528
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264303.66	303887.207	264723.86	279826.95	326667.17	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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98822.7498	178154.077	134308.242	102718.79	115902.45	87684.7133	78004.0742	72403.4827	71568.2371	79710.6103	102444.857
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4041.09527	4621.24188	3900.56335	3887.5701	4328.1536	4186.02337	3422.46137	3103.41718	2813.79402	3777.60279	4510.58239
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177955.136	186798.284	176782.486	191152	224617.59	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
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3473.6509	3646.26751	3450.761	3731.2511	4384.4933	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
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98377.5374	53642.147	63523.5135	91443.622	115250.67	102960.885	114809.81	122307.516	106963.58	98510.3472	74458.5451
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3473.6509	3646.26751	3450.761	3731.2511	4384.4933	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
177955.136	186798.284	176782.486	191152	224617.59	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
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3473.6509	3646.26751	3450.761	3731.2511	4384.4933	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
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267196.973	322188.726	205479.733	296722.49	352441.72	270697.755	260397.622	242643.42	228103.883	269975.23	321030.538
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3734.8194	4397.45395	2802.12372	4046.3997	4806.2419	3691.50082	3551.03807	3308.92432	3110.64888	3681.64776	4377.88815
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3747.43767	4655.51218	2802.12372	4046.3997	4806.2419	3691.50082	3551.03807	3308.92432	3110.64888	3681.64776	4377.88815
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3747.43767	4655.51218	2802.12372	4046.3997	4806.2419	3691.50082	3551.03807	3308.92432	3110.64888	3681.64776	4377.88815
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975790.404	1088272.13	916116.021	1052119.2	1236103.3	1031114.07	905185.878	875049.659	779352.548	913575.994	978087.978
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36403.4469	40954.1196	34126.2329	36090.222	42102.386	37370.8131	31555.3508	29527.6127	26759.517	32939.72	36342.821
834961.833	1492765.62	1135312.2	973156.65	1073615.7	756853.936	656474.226	666672.012	599417.678	657926.635	810208.451
				14.370221	0.101393	5.055182			41.122658	0.305785
				0.049316	0.002279	0.023764			0.144754	0.002126
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834961.833	1492765.62	1135312.2	973156.65	1073615.7	756853.936	656474.226	666672.012	599417.678	657926.635	810208.451
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3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.8	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98
3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.8	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98
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$ 23.60	$ 24.65	$ 38.34	$ 34.96	$ 28.42	$ 26.83	$ 21.22	$ 22.16	$ 24.53	$ 24.03	$ 21.15

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23.31	24.35	38.05	34.67	28.13	26.54	20.93	21.87	24.24	23.74	20.86
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1421.52398	94.498551	103061.753	76387.8459	25297.6677	27379.109	12212.1889	20455.4586	35599.0344	21773.343	19368.6041
0.941126	0.118643	3.65222	3.6674	3.337731	3.131722	1.316617	2.189279	3.148102	2.099232	1.983467
70.397937	11.461685	2786.91465	2176.50906	451.620072	172.84037	307.602125	607.966204	3964.68227	2350.80969	657.534291
21501.18	23893.68	22191.38	20281.44	22861.28	20586.52	21996.5	22472.68	21950.68	22073.06	22614.78
55.84722	56.353018	56.610663	56.337333	56.170221	55.94163	56.11352	56.1817	55.996632	56.308826	56.53695
22272	24592	22736	20880	23664	21344	22736	23200	22736	22736	23200
57.84935	58	58	58	58.142506	58	58	58	58	58	58
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
10.537457	1.278299	41.273826	41.306977	37.724683	35.23311	15.003309	24.677276	35.384732	23.502128	22.369824
10.537457	1.278299	41.273826	41.306977	37.724683	35.23311	15.003309	24.677276	35.384732	23.502128	22.369824
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.171	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1732.28392	113.887089	144049.201	112321.387	33855.3808	37072.214	16746.8864	29803.5337	53070.7141	31451.0916	28153.2385
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.0431	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
1732.28392	113.887089	144049.201	112321.387	33855.3808	37072.214	16746.8864	29803.5337	53070.7141	31451.0916	28153.2385
126.59	122.95	249.24	233.57	204.76	177.23	134.44	159.78	235.35	195.91	136.06
1273.87832	35.731092	107782.13	79649.3042	27542.6878	31420.791	13010.5172	20823.1905	19759.1521	12314.4953	19723.1668
1308.79204	36.273358	125638.331	97683.3008	31018.3586	35935.514	14907.2268	25550.9528	24441.5	14518.0281	23927.3985
8.90735	0.523131	41.049121	42.384477	39.567285	37.419961	16.223189	25.036731	24.359333	18.191197	22.696395
23.265964	0.523131	2119.23778	1576.20355	510.012227	580.78982	260.242379	389.013211	371.356093	234.718336	394.770647
54.563991	65.886558	53.879758	55.384612	54.681483	53.451735	50.62982	54.211996	53.52969	53.823834	51.794827
4.330958	1.317731	38.766605	38.117305	21.22594	9.597448	10.11109	12.45323	36.307625	20.9762	14.977382
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
0.079844	0.004103	6.16102	5.020222	1.370909	1.628097	0.747193	1.1339	2.021122	1.235459	1.16145
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.0431	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.0431	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
7.474035	1.216868	295.882221	231.076447	47.947772	18.350182	32.65762	64.546788	420.923906	249.581663	69.809352
411.659661	72.757059	15474.9524	11816.2677	2480.76939	987.38005	1646.45668	3415.96756	22465.5933	13455.9108	3519.50077
0.47	0.02	28.38	18.49	7.43	8.63	3.87	4.81	6.6	4.5	5.01
-46.745938	-5.398937	-20792.119	-20855.815	-3831.9236	-4664.0431	-2089.9125	-5564.3756	-10845.969	-5680.6855	-4910.571
-1355.538	-41.672296	-146430.45	-118539.12	-34850.282	-40599.558	-16997.139	-31115.328	-35287.469	-20198.714	-28837.969
0.06	0.01	1.28	1.23	0.34	0.06	0.18	0.34	2.31	1.44	0.44
122.2539	8.0901	11085.8226	7884.5311	2234.8817	2093.9855	1022.0321	1919.1821	3930.5635	2271.6403	1751.9596
0.04		0.91	0.6	0.35	0.27	0.1	0.15	0.3	0.06	0.15

16.8644		391.3455	258.03	150.5175	116.1135	43.005	64.5075	129.015	25.803	64.5075
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.171	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.171	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1421.52398	94.498551	103061.753	76387.8459	25297.6677	27379.109	12212.1889	20455.4586	35599.0344	21773.343	19368.6041
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
16.8644		391.3455	258.03	150.5175	116.1135	43.005	64.5075	129.015	25.803	64.5075
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.171	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
247.1496	13.9896	19803.984	14819.696	4575.272	4912.948	2401.78	3719.192	6496.696	3971.26	3809.556
		0.24	0.36	0.28						
11.168351	11.126074	10.803736	10.848853	10.980241	11.031397	11.233674	11.245319	11.168512	11.192037	11.238131
0.513589	0.548732	0.78442	0.738807	0.622667	0.590841	0.501539	0.495657	0.520182	0.51372	0.498471
0.405609	0.533366	0.761615	0.712031	0.600524	0.568118	0.484198	0.478812	0.501949	0.496127	0.480979
410471.55	724453.83	710424.854	615613.637	526493.033	306663.66	493583.036	538695.95	697031.266	665184.936	509487.617
1835.20666	2760.70216	2704.20491	2452.72285	2366.973	1574.65	2575.7559	2615.02622	2772.69601	2773.29694	2625.63309
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
0.034505	0.028231	0.030204	0.036388	0.037303	0.039211	0.03602	0.03515	0.036045	0.034362	0.036025
192582.63	278463.825	355329.094	306565.968	297461.051	255087.74	235848.011	238414.402	243450.038	241057.451	239287.438
210356.645	303930.467	394213.747	339963.807	331107.152	284522.22	260987.855	266098.057	271212.332	269151.282	264251.505
2.7866	2.7866	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663
326735.69	472441.725	624064.488	538421.809	522430.844	448010.6	414219.861	418727.214	427571.302	423369.201	420260.527
33609.69	45735.33	42197.76	38505.9	43598.58	39246.27	41944.68	42839.34	41943.57	42016.83	42800.49
87.297896	107.866344	107.647346	106.960833	107.121818	106.64747	107.001734	107.09835	106.998903	107.18579	107.001225
42624	47064	43512	39960	45288	40848	43512	44400	43512	43512	44400
110.711688	111	111	111	111.272727	111	111	111	111	111	111
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
33.476332	32.843993	32.817631	32.923842	33.40305	33.568809	34.197816	34.202711	33.999542	34.000742	34.225598
32.6603	32.544703	32.547946	32.677178	33.050758	33.194304	33.783345	33.80451	33.585834	33.651003	33.796683
576965.591	821776.032	1077851.68	929476.345	904965.336	777324.27	716455.246	726208.495	741500.213	733841.897	726627.619
467506.744	694946.101	1432578.74	1140443.65	901932.481	728081.87	526278.799	556915.989	636227.293	601801.766	536681.904
-109458.85	-126829.93	354727.06	210967.304	-3032.8552	-49242.405	-190176.45	-169292.51	-105272.92	-132040.13	-189945.71
467506.744	694946.101	1432578.74	1140443.65	901932.481	728081.87	526278.799	556915.989	636227.293	601801.766	536681.904
302.79	412.03	380.16	346.9	392.78	353.57	377.88	385.94	377.87	378.53	385.59
153245.401	90575.9622	360213.655	307727.369	370015.483	462535.43	214912.85	179719.006	36260.8573	61443.791	208766.092
166516.84	98511.6568	527063.81	431868.053	442562.784	513735.92	215906.147	181086.588	41965.9097	66521.1263	205968.144

45.637735	34.02106	48.535157	47.651181	53.94352	60.201284	42.098305	37.516789	26.861727	31.66802	41.032487
4874.98754	2908.79957	11311.7479	9659.06135	11486.4786	14198.956	6608.71329	5440.00468	1118.87202	1888.55727	6412.84955
23.725478	24.150035	29.429962	27.811104	26.085931	26.61387	22.682258	23.442472	22.738286	22.964898	22.663052
22.469751	23.95564	29.263613	27.522227	24.548354	22.324963	19.55435	20.495901	22.589865	22.681932	19.517929
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
44.905745	59.203627	84.539321	79.035494	66.821945	63.061146	53.746076	53.148235	55.716367	55.070142	53.38873
-210121.79	-272382.97	168996.542	50725.2727	-158515.75	-182576.77	-313454.2	-293911.71	-232524.26	-258040.86	-315021.26
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12413.7245	22193.5384	21827.6661	18793.7166	15710.0534	9007.5458	14459.7487	15819.2893	20721.944	19698.9387	14942.6424
410471.55	724453.83	710424.854	615613.637	526493.033	306663.66	493583.036	538695.95	697031.266	665184.936	509487.617
19.64	16.7	119.67	89.3	60.18	44.54	16.44	18.29	9.64	10.57	15.56
109458.848	126829.931	-354727.06	-210967.3	3032.85515	49242.405	190176.447	169292.506	105272.92	132040.131	189945.715
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190.87	326.63	153.71	152.32	184.65	118.09	223.28	240.91	318.42	308.02	229.69
0.184895										
64248.4082	105223.508	96396.885	84020.7821	83818.0199	65933.622	70068.0154	76748.3126	91111.0986	87563.9669	71836.6954
1.63	0.83	0.87	0.74	1.02	0.98	0.96	0.94	0.99	0.87	1.01
13248.64	6746.24	7213.17	6135.34	8456.82	8125.18	7959.36	7793.54	8208.09	7213.17	8373.91
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.63	839733.002	850827.703	868751.548	859842.627	851703.163
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.63	839733.002	850827.703	868751.548	859842.627	851703.163
537092.335	776372.192	1018278.24	878385.616	853537.996	732532.82	675207.716	684825.271	698783.634	692520.483	684512.032
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
13248.64	6746.24	7213.17	6135.34	8456.82	8125.18	7959.36	7793.54	8208.09	7213.17	8373.91
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.63	839733.002	850827.703	868751.548	859842.627	851703.163
26624.6165	38657.6005	52360.2741	44955.3892	42970.5206	36666.273	33288.17	33589.6845	34508.4893	34108.2437	33741.6774
76.9	59.24	55.62	65.38	126.37	168.83	121.53	108.15	24.61	40.79	121.07

0.028125	0.026297	0.038647	0.030638	0.026421	0.029456	0.027091	0.035325	0.031913	0.030739	0.0292

1119.6	1238.55	1130.55	1046.91	1191.66	1071.48	1144.14	1157.61	1138.47	1139.85	1164.96
2.908051	2.921108	2.884056	2.908083	2.927911	2.91163	2.918724	2.894025	2.90426	2.90778	2.9124
1152	1272	1176	1080	1224	1104	1176	1200	1176	1176	1200
2.992207	3	3	3	3.007371	3	3	3	3	3	3

11.562837	11.479646	11.287893	11.337317	11.435011	11.481398	11.792356	11.775812	11.628439	11.613428	11.80784
0.666325	0.696072	0.841524	0.810217	0.740053	0.715213	0.576438	0.595839	0.639784	0.649569	0.584154
0.632566	0.565298	0.810037	0.77479	0.706046	0.680837	0.359683	0.568989	0.614485	0.61585	0.465941
267850.841	261811.987	346893.872	305839.72	319065.098	272675.68	158771.742	259186.643	272883.567	272563.474	209629.955
1216.96944	993.151824	1333.58241	1232.124	1452.59023	1413.1933	829.192905	1266.28813	1086.69738	1145.24165	1117.04437
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
0.048359	0.044787	0.037168	0.046138	0.047328	0.046494	0.046352	0.0461	0.040586	0.05102	0.055725
120286.972	117742.602	152864.445	134708.965	140706.861	122913.21	70795.4665	114538.423	120157.977	120053.108	93712.869
131267.915	127981.694	169586.321	149633.308	156293.714	136832.13	78319.5206	127859.538	133898.361	133666.567	103589.906
2.1391	2.1391	2.1779	2.177899	2.1779	2.1779	2.177899	2.1779	2.1779	2.1779	2.1779
126193.063	123523.763	163243.941	143855.704	150260.857	131259.02	75602.4787	122315.582	128316.704	128204.714	100075.973
15672.21	14805.76	16229.49	14765.77	16713.67	15048.28	10506.19	16407.08	16171.87	15956.87	13698.94
40.707038	34.919245	41.40176	41.016027	41.065528	40.892065	26.801505	41.0177	41.25477	40.706301	34.24735
16512	18232	16856	15480	17544	15824	16856	17200	16856	16856	17200
42.888311	43	43	43	43.105651	43	43	43	43	43	43
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
26.265807	26.426384	25.93387	26.15874	26.419029	26.492329	28.08398	27.279554	26.760594	26.815189	28.020966
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273052.028	270375.437	350994.672	310394.472	324767.122	283698.81	167548.154	265791.419	276820.335	277238.386	221270.329
269488.348	273833.122	561838.144	456720.573	386219.708	321791.68	147865.091	249722.375	289300.168	277325.342	194586.522
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364.47	344.32	377.43	343.39	388.69	349.96	244.33	381.56	376.09	370.88	318.58
55.076464			2.864517	247.959512	6512.2457	1394.97173	1068.69557			2290.54994
55.893525			4.264606	291.953202	8060.773	1573.80938	920.813051			2310.8328
0.839797			0.08672	1.983482	9.515987	5.466855	5.824621			8.183901
2.164832			0.114984	10.012494	255.33702	56.063657	40.0037			90.59628
23.550577	25.273229	38.027029	33.732041	25.389907	25.282988	23.64345	25.208648	24.542732	23.595402	25.808111
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27.129714	24.307853	34.831607	33.316	30.434594	29.276005	15.466403	24.46655	26.422882	26.481556	20.0355
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10442.7752	10306.53	13653.99	11993.645	12376.8675	10518.233	6006.76634	9746.6163	10357.77	10380.77	7923.60372
267850.841	261811.987	346893.872	305839.72	319065.098	272675.68	158771.742	259186.643	272883.567	272563.474	209629.955
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3563.67992	-3457.6842	-210843.47	-146326.1	-61452.587	-38092.871	19683.0633	16069.0441	-12479.833	-86.955784	26683.807
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11.29	1.77	2.65	3.19	3.88	3.54	2.06	2.75	2.54	4.14	2.67
0.002604	0.148584				0.002717	0.344387			0.002551	0.1575
76800.7235	85535.2819	95397.5491	82350.1123	82239.4247	64878.323	42608.1857	74762.2378	90799.5659	85069.6801	55991.366
1.28	2.13	1	1.11	1.33	1.1	1.8	1.35	0.96	1.14	2.28
5146.11072	8563.44987	4100.8	4551.888	5454.064	4510.88	7381.44	5536.08	3936.768	4674.912	9349.824
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
257460.977	251505.457	332830.262	293489.012	306554.571	268091.15	153921.999	250175.12	262215.064	261871.281	203665.879
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
5146.11072	8563.44987	4100.8	4551.888	5454.064	4510.88	7381.44	5536.08	3936.768	4674.912	9349.824
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
10444.94	10306.53	14063.6097	12353.5728	12758.4864	11096.777	6244.7149	10080.2186	10668.5031	10692.1931	8254.626
0.04				0.02	0.15	0.08	0.05			0.07
0.03901	0.018915	0.023673	0.029722	0.040588	0.026739	0.022678	0.039175	0.042219	0.020408	0.026325
1107.06	1247.94	1148.16	1047.9	1174.32	1074.48	1149.33	1152.99	1126.35	1152	1168.41
2.87548	2.943254	2.928979	2.910833	2.885307	2.919782	2.931964	2.882475	2.873341	2.938775	2.921025
1152	1272	1176	1080	1224	1104	1176	1200	1176	1176	1200
2.992207	3	3	3	3.007371	3	3	3	3	3	3

8.987813	9.72858	4.48571	4.342436	1.823402	3.658702	6.635711	2.680037	3.522912
0.025648	0.026756	0.003068	0.003745	0.002234	0.005879	0.011347	0.005188	0.005651
0.024969	0.026055	0.002995	0.003695	0.002178	0.005765	0.01102	0.005045	0.005425
714.091308	841.668613	56.040562	8.714792	68.021221	356.544013	2885.54105	1283.7586	203.805711

		2.576942	3.229499	0.235829	0.038706	0.348438	1.23983	9.45703	4.641522	0.766207
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
0.027539	0.030943	0.02764	0.034041	0.032169	0.031209	0.026339	0.029087	0.026415	0.032971	0.033137
		6891.8	6653	857.5	953.2	599.9	1628.9	3072	1404.1	1537.3
		26716.8203	26829.3659	3623.43883	4605.5489	2634.26712	7959.54444	14706.6254	6660.64127	6708.7814
		2.592381	2.88214	1.346573	1.486263	0.579493	1.228737	2.187498	0.915382	1.117186
		176.160998	210.006687	15.436147	1.765031	16.8	73.14579	588.159442	270.958327	45.991997
18781.5	20487.3	18993	17376.9	19672.5	17790.2	19133.7	19495.2	19065.6	18930.2	19274.4
48.783116	48.319103	48.45153	48.269166	48.33538	48.342934	48.810459	48.738	48.636734	48.291326	48.186
19200	21200	19600	18000	20400	18400	19600	20000	19600	19600	20000
49.870129	50	50	50	50.12285	50	50	50	50	50	50
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		45.109493	59.186861	22.104445	22.790243	10.357613	25.9006	50.63687	21.825227	24.333085
		36.780938	41.029297	19.044945	21.074944	8.129419	17.369803	31.023119	12.939153	15.99076
		26928.8003	27002.2259	3657.09483	4629.4719	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		30444.4728	32232.36	3965.87683	4999.0887	2874.54298	9128.54392	17785.612	7914.08962	7778.50291
		3515.6725	5230.13405	308.782001	369.61679	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		30444.4728	32232.36	3965.87683	4999.0887	2874.54298	9128.54392	17785.612	7914.08962	7778.50291
123.65	83.75	286.45	288.48	199.32	167.9	195.51	225.18	362.75	256.58	193.96
		26214.709	26160.5573	3601.05427	4620.7571	2567.0649	7631.82842	11880.9433	5402.89167	6558.66268
		29614.104	31228.5628	3907.59942	4990.0024	2803.91524	8732.4631	14225.6028	6414.59308	7559.21048
		13.233895	14.761929	6.483764	6.295797	2.55	5.478319	9.587543	4.00785	5.427633
		476.847067	454.02095	59.997418	67.873926	41.5	110.0753	174.260297	79.567262	105.214857
		58.272944	56.946718	50.358702	69.124593	59.269046	65.610413	68.965672	66.433818	63.656461
		9.323671	10.197027	2.014348	0.691245	0.59269	3.28052	19.310388	7.972058	5.627592
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		1.248469	1.302777	0.150122	0.184782	0.108928	0.28825	0.55102	0.252295	0.27125
		3515.6725	5230.13405	308.782001	369.61679	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		3515.6725	5230.13405	308.782001	369.61679	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		12.552932	14.979049	1.102581	0.126073	1.2	5.224699	41.739702	19.332737	3.285142
		714.091308	841.668613	56.040562	8.714792	68.021221	356.544013	2885.54105	1283.7586	203.805711
		6.52	6.69	0.95	1.15	0.59	1.52	2.84	1.3	1.55
		-3515.6725	-5230.134	-308.782	-369.61679	-239.45686	-1140.1715	-3019.1276	-1227.4393	-1016.0345
		-33129.777	-36458.697	-4216.3814	-5359.6192	-3043.3721	-9872.6346	-17244.73	-7642.0324	-8575.245
		0.11	0.06	0.01		0.03	0.04	0.18	0.1	0.01

		3535.335	3551.9556	367.4358	360.2033	224.0249	808.2387	1920.5134	803.8348	700.3499
		0.4	0.25	0.07	0.05		0.04	0.06	0.03	0.09
		196.302	138.93	32.837	23.455		23.095	41.139	18.404	46.55
		26928.8003	27002.2259	3657.09483	4629.4719	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		26928.8003	27002.2259	3657.09483	4629.4719	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		26716.8203	26829.3659	3623.43883	4605.5489	2634.26712	7959.54444	14706.6254	6660.64127	6708.7814
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		196.302	138.93	32.837	23.455		23.095	41.139	18.404	46.55
		26928.8003	27002.2259	3657.09483	4629.4719	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		15.678	33.93	0.819	0.468	0.819	5.733	18.72	7.605	7.137
			0.04	0.04						
0.030677	0.037759	0.028443	0.030333	0.026446	0.024701	0.035178	0.032675	0.034132	0.029209	0.0213
1488.88	1631.96	1523.4	1396.32	1588.84	1435.64	1512.84	1547.72	1514.48	1522.2	1565.92
3.86722	3.848962	3.886224	3.878666	3.903783	3.901195	3.859285	3.8693	3.863469	3.883163	3.9148
1536	1696	1568	1440	1632	1472	1568	1600	1568	1568	1600
3.98961	4	4	4	4.009828	4	4	4	4	4	4

10.503499	10.457973	10.233689	10.270434	10.34975	10.397646	10.656567	10.65651	10.541377	10.546487	10.661101
0.434204	0.46693	0.700033	0.657368	0.543147	0.515553	0.373004	0.368715	0.406436	0.407563	0.37307
0.412709	0.443323	0.658883	0.625407	0.511568	0.488748	0.265834	0.351122	0.384589	0.381523	0.351558
258833.16	316232.892	435246.481	377532.391	338292.126	233012.04	162801.048	240701.96	266556.891	263581.196	231070.257
1167.10121	1202.05749	1672.49866	1519.37649	1522.18609	1195.6338	845.459436	1146.22665	1041.8628	1089.65061	1186.67101
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
0.051458	0.052334	0.058163	0.0495	0.057279	0.054483	0.066045	0.049925	0.054795	0.066734	0.05965
96914.4069	114235.646	152988.929	133789.672	125545.051	108590.31	64243.2338	86981.8624	92668.2612	91823.5857	86951.9344
105647.397	124419.24	169186.077	148048.079	139676.711	121096.52	71049.4777	97485.7808	103711.076	102865.637	95935.1643
2.7222	2.7222	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819
158183.695	186455.422	261458.08	228646.55	214556.492	185580.84	109791.687	148652.003	158370.058	156926.508	148600.856

21344.464	23546.066	21635.12	20051.748	22539.318	20335.958	16319.514	22269.758	21712.472	21438.224	22041.804
55.440166	55.533174	55.191632	55.6993	55.379159	55.260755	41.631413	55.674394	55.388959	54.689346	55.104509
22502.4	24846.4	22971.2	21096	23908.8	21564.8	22971.2	23440	22971.2	22971.2	23440
58.447792	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
32.23734	32.068038	31.355296	31.873269	32.238718	32.849928	37.894007	34.599982	33.491338	34.044748	34.606963
29.104175	28.984037	29.370693	29.473287	29.697428	29.82807	30.564382	30.551718	30.229835	30.241705	30.579251
293005.935	344578.339	463999.884	408854.616	388683	334294.94	220105.292	277391.088	292532.459	292625.16	278212.949
265066.884	320680.469	667175.915	538465.447	421339.79	350472.99	170349.12	238397.391	282364.053	263668.391	229784.404
-27939.051	-23897.87	203176.031	129610.831	32656.7899	16178.051	-49756.173	-38993.697	-10168.407	-28956.768	-48428.545
265066.884	320680.469	667175.915	538465.447	421339.79	350472.99	170349.12	238397.391	282364.053	263668.391	229784.404
364.24	401.81	369.2	342.18	384.63	346.81	278.49	380.03	370.52	365.84	376.14
9734.28315	259.419856	3268.0607	6022.90673	22301.1896	79145.994	21215.511	9715.59034	118.176299	768.254557	17750.8367
11370.8966	287.714831	4835.78639	8875.2918	28177.354	99261.958	24292.0544	10543.199	131.507447	837.502972	18933.1575
14.524003	3.202107	6.453233	10.321705	16.581333	24.559449	17.704014	12.836282	1.681852	4.723214	16.26814
347.374406	9.093414	113.626457	209.565317	775.915157	2713.6704	732.030886	324.340215	3.938012	26.050721	609.51395
23.000614	25.13539	31.196156	29.573873	26.909269	27.803302	25.666864	25.560851	23.16575	24.422385	24.957359
22.835467	22.110469	30.24091	28.632993	26.222663	25.596668	22.311225	21.964958	20.142907	21.923731	20.414548
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
24.121984	25.978778	38.610596	36.648872	30.051562	28.640635	15.577877	20.5758	22.536959	22.35727	20.601315
-78596.211	-83608.842	123208.717	59678.9693	-32965.608	-40582.105	-83336.111	-84459.116	-58606.107	-76952.956	-93878.321
-78596.211	-83608.842	123208.717	59678.9693	-32965.608	-40582.105	-83336.111	-84459.116	-58606.107	-76952.956	-93878.321
8939.58959	11005.9086	15021.7275	12984.0287	11455.0708	7826.0836	5374.49711	7905.97978	8830.54999	8737.99928	7631.01205
258833.16	316232.892	435246.481	377532.391	338292.126	233012.04	162801.048	240701.96	266556.891	263581.196	231070.257
1.39	0.03	0.55	0.7	0.77	2.23	0.26	0.22		0.04	0.25
27939.0509	23897.87	-203176.03	-129610.83	-32656.79	-16178.051	49756.1728	38993.6967	10168.4066	28956.7682	48428.5451
16568.1543	23610.1552	-208011.82	-138486.12	-60834.144	-115440.01	25464.1184	28450.4977	10036.8991	28119.2653	29495.3877
76.59	18.54	17.48	16.97	20.39	14.81	13.23	20.43	22.44	19.62	19.68
					0.002717	0.242346				
72813.8691	94329.339	87380.1442	76596.5101	76117.0346	61000.678	46303.6924	70812.233	84139.3953	78955.8186	64690.7762
1.34	1.54	1.37	1.36	1.51	1.19	1.94	1.45	1.39	1.52	1.58
24438.4912	28086.0272	25485.3428	25299.3184	28089.6844	22136.904	36088.7336	26973.538	25857.3916	28275.7088	29391.8552
343663.095	404289.312	543967.198	478786.478	454305.398	391055.1	253685.231	322856.508	340970.159	340621.348	323662.725
343663.095	404289.312	543967.198	478786.478	454305.398	391055.1	253685.231	322856.508	340970.159	340621.348	323662.725
263831.092	310874.661	430644.157	376694.629	354233.203	306677.36	180841.164	246137.784	262081.134	259792.145	244536.02

9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
24438.4912	28086.0272	25485.3428	25299.3184	28089.6844	22136.904	36088.7336	26973.538	25857.3916	28275.7088	29391.8552
343663.095	404289.312	543967.198	478786.478	454305.398	391055.1	253685.231	322856.508	340970.159	340621.348	323662.725
4736.35164	5617.65102	7870.38408	6860.66888	6360.11272	5480.6721	3175.39456	4279.7664	4593.93376	4557.306	4285.07352
5.44	0.12	0.33	0.55	1.86	5.04	1.97	0.92	0.03	0.14	1.56
		6.6	7.35	2.7	2.55	1.2	3	5.85	2.1	2.55
		0.017315	0.021499	0.001514	0.001667	0.001284	0.004408	0.009396	0.004409	0.00441
		0.017117	0.020722	0.001421	0.00163	0.001275	0.004225	0.009107	0.004311	0.0043
		33.06368	98.350789				62.811452	440.951368	116.39765	9.706862
		0.120556	0.366848				0.227425	1.408472	0.422317	0.041157
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
0.028958	0.026061	0.024387	0.034555	0.031004	0.039565	0.036556	0.020825	0.032372	0.030408	0.024
		1409.1	1566.6	121.8	126	105	354.9	749.7	354.9	361.2
		5291.05081	6232.8229	549.177195	595.48397	451.255074	1743.7962	3596.45025	1684.05129	1569.00325
		1.709574	2.026158	0.78842	0.784109	0.354139	0.952469	1.825136	0.657668	0.756192
		8.682486	24.134986				12.6	86.36468	24.556872	2.27532
5220.32	5781.3	5354.16	4865.84	5534.9	4948.16	5287.38	5483.38	5310.34	5321.12	5465.6
13.559272	13.635141	13.658571	13.516222	13.599262	13.446086	13.488214	13.70845	13.546785	13.574285	13.664
5376	5936	5488	5040	5712	5152	5488	5600	5488	5488	5600
13.963636	14	14	14	14.034398	14	14	14	14	14	14
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
		26.537218	30.845762	12.826306	11.761645	5.312092	14.537038	27.784655	9.86503	11.792882
		26.537218	30.845762	12.826306	11.761645	5.312092	14.537038	27.784655	9.86503	11.792882
		5490.55081	6316.8229	570.177195	595.48397	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5989.27198	7498.78528	593.631424	638.28826	486.528194	1978.39806	4303.42678	1985.76372	1805.08381
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		5989.27198	7498.78528	593.631424	638.28826	486.528194	1978.39806	4303.42678	1985.76372	1805.08381
62.79	38.63	155.92	164.06	119.69	93.69	122.57	130.49	187.92	149.2	118.77
		5457.48713	6218.47211	570.177195	595.48397	451.255074	1691.48475	3176.49888	1567.65364	1580.29638
		5950.16618	7385.06956	593.631424	638.28826	486.528194	1911.01152	3779.31767	1858.0714	1794.81936
		6.154327	6.831701	2.52	2.38	1.12	2.66	5.281759	1.949209	2.377662
		93.361167	102.831	8.12	8.4	7	22.82	44.222354	22.022875	23.928311
		58.182691	60.720924				80.47539	73.439867	74.301252	64.245497
		0.581826	3.643255				0.804753	10.281581	3.715062	0.642454

		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
		0.239642	0.290111	0.01995	0.022826	0.017857	0.05915	0.1275	0.060357	0.0602
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		0.578832	1.608999				0.84	5.757645	1.637124	0.151688
		33.06368	98.350789				62.811452	440.951368	116.39765	9.706862
		5.34	4.46	0.51	0.56	0.43	1.14	1.8	0.95	1.08
		-498.72116	-1181.9624	-23.454229	-42.804294	-35.273119	-224.10186	-685.97653	-301.71243	-215.08057
		-6448.8873	-8567.0319	-617.08565	-681.09256	-521.80131	-2135.1134	-4465.2942	-2159.7838	-2009.8999
		0.01	0.08				0.06	0.18	0.09	
		1791.4782	1917.6697	136.204	126.0496	99.6082	423.9922	1041.4512	460.2075	383.9731
		0.19	0.08	0.02			0.01	0.02		0.02
		199.5	84	21			10.5	21		21
		5490.55081	6316.8229	570.177195	595.48397	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5490.55081	6316.8229	570.177195	595.48397	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5291.05081	6232.8229	549.177195	595.48397	451.255074	1743.7962	3596.45025	1684.05129	1569.00325
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
		199.5	84	21			10.5	21		21
		5490.55081	6316.8229	570.177195	595.48397	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		0.01	0.05							
11.110963	11.04621	10.767125	10.817852	10.930614	10.978147	11.215762	11.244264	11.140293	11.14978	11.219327
0.288778	0.314408	0.466855	0.440273	0.364727	0.348741	0.263114	0.281528	0.303836	0.299305	0.275819
0.262838	0.298268	0.451186	0.423899	0.350131	0.33455	0.233354	0.271511	0.292497	0.28727	0.260197
937567.211	1302571.47	1508787.31	1311742.03	1186387.07	813347.48	816870.304	1042419.88	1262263.81	1216185.67	953920.843
4221.04742	4956.18351	5769.09313	5252.97497	5352.17087	4188.1767	4258.86404	5041.50106	4988.21808	5061.77071	4944.64559
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
0.034079	0.032171	0.030911	0.034209	0.035755	0.03604	0.035299	0.034365	0.035053	0.035074	0.034065
410073.549	510458.462	692231.384	600306.976	569947.688	493313.76	374350.436	446190.569	467560.462	459254.766	426226.62
448693.48	556425.899	868055.769	747095.228	656547.861	575031.02	425654.564	521602.175	562723.878	535801.522	491422.964
2.582233	2.622264	2.757842	2.755003	2.702912	2.707172	2.740143	2.702893	2.719006	2.698691	2.725379
611112.448	782420.91	1048766.51	910924.063	887248.193	764850.46	599614.027	689694.799	714258.064	708500.423	668937.356
70.397937	11.461685	2971.75813	2410.65074	467.056219	174.6054	324.402125	693.711995	4639.2064	2646.32489	705.801609
128276.779	147629.111	139045.72	127258.278	143791.818	129503.34	127521.774	141561.833	138523.207	138124.879	138516.304
333.186438	348.181865	354.708469	353.495216	353.29685	351.91124	325.310647	353.904582	353.375528	352.359385	346.29076

140966.4	155650.4	143903.2	132156	149776.8	135092.8	143903.2	146840	143903.2	143903.2	146840
366.146493	367.099999	367.099999	367.099999	368.001965	367.1	367.099999	367.099999	367.099999	367.099999	367.099999
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
102.516938	92.616716	203.027336	222.295453	164.716235	162.69607	130.848821	161.197163	208.057733	150.053067	155.349321
29.82903	30.149114	31.106997	31.187518	30.811098	30.995901	32.075218	31.669591	31.606644	31.360309	31.888744
1144709.09	1436838.3	2048522.67	1773510.05	1652666.19	1432951.1	1121852.01	1303372.83	1371461.69	1337846.55	1257706.04
1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.1	864600.967	1085946.23	1283051.27	1184146.44	998789.656
-140914.83	-147264.72	793553.075	514172.147	95240.6812	10104.982	-257251.04	-217426.6	-88410.421	-153700.11	-258916.38
1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.1	864600.967	1085946.23	1283051.27	1184146.44	998789.656
1344.53	1403.49	1831.02	1727.02	1696.41	1489.16	1358.82	1666.6	1915.06	1726.54	1536.6
164308.639	90871.1132	502936.042	425781.474	424278.551	584830.7	253552.17	220649.795	71195.6279	81497.0861	256669.604
179252.422	98835.645	693102.198	577044.543	506551.68	662622.46	259969.681	228745.028	84543.8376	90149.3219	260493.563
17.477221	9.436574	18.379947	19.542806	18.223307	20.952611	12.530337	13.547294	11.051394	9.221048	14.487693
5247.79274	2918.41611	14114.8204	12001.7972	12850.5359	17825.027	7705.55021	6326.25711	1712.64878	2250.91646	7636.8736
23.841519	24.764134	35.863473	34.838126	29.240674	27.79184	25.135929	26.993972	33.260424	28.549797	26.967964
23.258655	24.665917	35.794267	34.677804	28.48068	25.173302	22.42784	23.31794	33.177617	28.409106	22.628662
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
96.237288	109.494363	165.630658	155.613477	128.849085	122.81349	85.664336	99.671885	107.375852	105.457081	95.518445
-355108.93	-414072.79	447952.998	213585.878	-199412.08	-244236.27	-451113.52	-447380.46	-326906.03	-390448.78	-478425.42
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31803.5633	43507.1939	50812.3976	44019.0548	39591.0421	27370.339	25874.8698	33542.4969	40378.6852	39088.2595	30570.5044
937567.211	1302571.47	1508787.31	1311742.03	1186387.07	813347.48	816870.304	1042419.88	1262263.81	1216185.67	953920.843
21.5	16.75	160.46	119.64	69.84	57.15	21.59	25.99	20.88	17.36	23.45
140914.832	147264.718	-793553.07	-514172.15	-95240.681	-10104.982	257251.041	217426.598	88410.4211	153700.106	258916.381
-38337.589	48429.0725	-1486655.3	-1091216.7	-601792.36	-672727.44	-2718.6397	-11318.43	3866.58351	63550.7844	-1577.1821
278.81	346.95	175.24	173.85	209.27	136.5	238.78	264.53	346.07	333.41	252.49
0.017045	0.013507				0.000494	0.053339			0.000231	0.014318
213985.255	285096.219	295587.214	256321.561	244913.001	194392.86	160325.559	225474.196	272942.588	255125.148	195355.12
4.29	4.5	4.74	4.14	4.3	3.59	4.8	3.94	3.72	3.62	5.13
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.532	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07
1059805.93	1338846.81	1916822.28	1658019.29	1543796.05	1339881.5	1025268.59	1211296.97	1276981.94	1244301.94	1160360.32
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.532	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467

1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07
42053.0577	54595.7711	94113.9299	79023.2569	66665.2107	58157.138	45110.8784	51674.5945	56286.3421	53336.6078	50098.0699
82.38	59.36	56.2	66.38	128.57	174.02	123.58	109.12	24.64	40.93	122.7

2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
340744.68	591540.996	262650.974	249695.715	219266.098	92170.178	204924.948	259258.76	617172.035	540408.234	218972.275
1544.45655	2251.8969	992.753187	985.986938	978.820329	466.93725	1060.63834	1197.27874	2443.18272	2235.70687	1086.10463
-84499.835	-110673.2	-102127.93	-89681.683	-89791.528	-71047.277	-74992.531	-81888.539	-97642.582	-93357.284	-76738.349
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.277	74992.5314	81888.5392	97642.582	93357.284	76738.349
340744.68	591540.996	262650.974	249695.715	219266.098	92170.178	204924.948	259258.76	617172.035	540408.234	218972.275
278.49	346.31	173.89	172.53	207.86	134.48	244.35	262.49	345.54	332.69	251.04
153.794043	188.502928	160.413721	161.550315	138.30223	106.70186	135.419961	157.642585	205.02994	190.543172	157.006892
60.482222	79.005683	56.540293	62.347697	50.342676	35.465167	48.080792	51.470336	85.550526	79.302727	50.529319
17169.2513	27915.9839	11716.1598	12034.5707	10955.9342	5019.5709	12035.7021	13920.4687	29902.7931	26754.4293	13053.8364
-84499.835	-110673.2	-102127.93	-89681.683	-89791.528	-71047.277	-74992.531	-81888.539	-97642.582	-93357.284	-76738.349
-219.48009	-261.02169	-260.53043	-249.11579	-220.618	-193.06325	-191.30748	-204.72135	-249.08822	-238.15634	-191.84587
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-23.747635	-24.812781	-38.544411	-35.028473	-28.692756	-26.954061	-21.321919	-22.929392	-25.297668	-24.488453	-21.542853
-2005909.1	-2746987.4	-3935125.9	-3140611.9	-2578138.2	-1914537.9	-1598901.2	-1877626.8	-2470145.1	-2285530.4	-1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2346653.81	3338528.38	4197776.85	3390307.63	2797404.33	2006708.1	1803826.15	2136885.52	3087317.09	2825938.64	1871649.47
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.277	74992.5314	81888.5392	97642.582	93357.284	76738.349
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2

2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
340744.68	591540.996	262650.974	249695.715	219266.098	92170.178	204924.948	259258.76	617172.035	540408.234	218972.275
1544.45655	2251.8969	992.753187	985.986938	978.820329	466.93725	1060.63834	1197.27874	2443.18272	2235.70687	1086.10463
-84499.835	-110673.2	-102127.93	-89681.683	-89791.528	-71047.277	-74992.531	-81888.539	-97642.582	-93357.284	-76738.349
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.277	74992.5314	81888.5392	97642.582	93357.284	76738.349
340744.68	591540.996	262650.974	249695.715	219266.098	92170.178	204924.948	259258.76	617172.035	540408.234	218972.275
278.49	346.31	173.89	172.53	207.86	134.48	244.35	262.49	345.54	332.69	251.04
153.794043	188.502928	160.413721	161.550315	138.30223	106.70186	135.419961	157.642585	205.02994	190.543172	157.006892

60.482222	79.005683	56.540293	62.347697	50.342676	35.465167	48.080792	51.470336	85.550526	79.302727	50.529319
17169.2513	27915.9839	11716.1598	12034.5707	10955.9342	5019.5709	12035.7021	13920.4687	29902.7931	26754.4293	13053.8364
-84499.835	-110673.2	-102127.93	-89681.683	-89791.528	-71047.277	-74992.531	-81888.539	-97642.582	-93357.284	-76738.349
-219.48009	-261.02169	-260.53043	-249.11579	-220.618	-193.06325	-191.30748	-204.72135	-249.08822	-238.15634	-191.84587
-2005909.1	-2746987.4	-3935125.9	-3140611.9	-2578138.2	-1914537.9	-1598901.2	-1877626.8	-2470145.1	-2285530.4	-1652677.2
-23.747635	-24.812781	-38.544411	-35.028473	-28.692756	-26.954061	-21.321919	-22.929392	-25.297668	-24.488453	-21.542853
-2005909.1	-2746987.4	-3935125.9	-3140611.9	-2578138.2	-1914537.9	-1598901.2	-1877626.8	-2470145.1	-2285530.4	-1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2346653.81	3338528.38	4197776.85	3390307.63	2797404.33	2006708.1	1803826.15	2136885.52	3087317.09	2825938.64	1871649.47
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.277	74992.5314	81888.5392	97642.582	93357.284	76738.349
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2

4420.62882	4769.39299	4933.1271	4050.34562	4265.18508	4180.5229	4330.92792	4032.69632	3053.38638	3258.98286	4043.92007
103555.324	115872.036	189299.803	141209.762	120934.728	113018.43	93107.3074	88358.0029	70291.2945	74503.3308	83543.2176
					11.11179		22.112401			31.022296
					0.17511		0.529388			0.579579
					0.582422		1.451092			1.875888
20.622366	18.993447	15.710923	24.08995	22.425198	23.334048	21.025785	31.800096	22.868393	22.901065	23.919484
3.505802	1.519475	0.314218	0.722698	0.897007	1.633383	11.143666	1.908005	1.143419	0.916042	3.587922
4420.62882	4769.39299	4933.1271	4050.34562	4265.18508	4180.5229	4330.92792	4032.69632	3053.38638	3258.98286	4043.92007
11.482152	11.248568	12.584507	11.25096	10.47957	11.360116	11.048285	10.08174	7.78925	8.313731	10.1098
103555.324	115872.036	189299.803	141209.762	120934.728	113018.43	93107.3074	88358.0029	70291.2945	74503.3308	83543.2176
103555.324	115872.036	189299.803	141209.762	120934.728	113018.43	93107.3074	88358.0029	70291.2945	74503.3308	83543.2176
4420.62882	4769.39299	4933.1271	4050.34562	4265.18508	4179.9405	4330.92792	4031.24522	3053.38638	3258.98286	4042.04418

-103555.32	-115872.04	-189299.8	-141209.76	-120934.73	-113018.43	-93107.307	-88358.003	-70291.294	-74503.331	-83543.218
-103555.32	-115872.04	-189299.8	-141209.76	-120934.73	-113029.55	-93107.307	-88380.115	-70291.294	-74503.331	-83574.24

1.31	0.94	0.1	0.13	0.29	0.33	8.05	0.36	0.4	0.3	1.35
84499.8354	110673.197	102127.928	87664.2416	87057.9023	71047.277	74992.5314	81888.5392	91908.0977	93357.284	76738.349
4420.62882	4769.39299	4933.1271	4050.34562	4265.18508	4180.5229	4330.92792	4032.69632	3053.38638	3258.98286	4043.92007
4420.62882	4769.39299	4933.1271	4050.34562	4265.18508	4180.5229	4330.92792	4032.69632	3053.38638	3258.98286	4043.92007
103555.324	115872.036	189299.803	141209.762	120934.728	113018.43	93107.3074	88358.0029	70291.2945	74503.3308	83543.2176
103555.324	115872.036	189299.803	141209.762	120934.728	113018.43	93107.3074	88358.0029	70291.2945	74503.3308	83543.2176
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267877.83	300294.246	304036.141	277220.149	321662.837	318287.68	310172.148	257946.267	200352.658	195885.991	253844.537
1224.6311	1157.99577	1172.81266	1118.73341	1473.1791	1658	1628.73826	1294.75334	817.765834	833.989202	1349.35368
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.0978	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
174300.344	204388.742	326927.494	256845.761	241832.493	225741.7	173539.181	150716.602	128601.721	123844.853	141465.083
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.0978	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
19.289896	19.682356	21.895386	20.480211	21.019318	23.002983	21.044028	17.150682	13.593184	13.290137	16.877961
-93577.486	-96658.337	4954.91715	-20374.388	-79830.344	-92545.982	-136632.97	-107229.66	-71750.937	-72041.138	-112379.45
-93577.486	-96658.337	4954.91715	-20374.388	-79830.344	-92545.982	-136632.97	-107229.66	-71750.937	-72041.138	-112379.45
7426.6102	8324.78974	8094.16899	7372.8763	8554.86269	8465.0978	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
267877.83	300294.246	304036.141	277220.149	321662.837	318287.68	310172.148	257946.267	200352.658	195885.991	253844.537
93577.4856	96658.337	-4954.9172	20374.3885	79830.3438	92545.982	136632.967	107229.665	71750.9374	72041.1377	112379.454
93577.4856	96658.337	-4954.9172	20374.3885	79830.3438	92545.982	136632.967	107229.665	71750.9374	72041.1377	112379.454
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.277	74992.5314	81888.5392	97642.582	93357.284	76738.349
267877.83	301047.079	321972.577	277220.149	321662.837	318287.68	310172.148	257946.267	200352.658	195885.991	253844.537
267877.83	301047.079	321972.577	277220.149	321662.837	318287.68	310172.148	257946.267	200352.658	195885.991	253844.537
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.0978	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
267877.83	301047.079	321972.577	277220.149	321662.837	318287.68	310172.148	257946.267	200352.658	195885.991	253844.537
267877.83	301047.079	321972.577	277220.149	321662.837	318287.68	310172.148	257946.267	200352.658	195885.991	253844.537
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.0978	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
174300.344	204388.742	326927.494	256845.761	241832.493	225741.7	173539.181	150716.602	128601.721	123844.853	141465.083
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267877.83	301047.079	321972.577	277220.149	321662.837	318287.68	310172.148	257946.267	200352.658	195885.991	253844.537
263551.077	295469.817	297583.051	271361.608	314933.596	311339.56	303566.079	252918.512	195886.468	191598.125	248697.962
1204.86611	1139.46768	1147.94086	1095.07198	1442.43418	1621.7029	1594.0233	1269.63497	799.463934	815.706139	1322.05895
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.6495	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
195859.963	229669.014	367372.64	288564.198	271728.648	253474.59	194960.338	169518.495	144400.914	139063.944	159044.418

8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.6495	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
21.676638	22.120429	24.604459	23.009226	23.620043	25.825134	23.638683	19.300863	15.253674	14.919741	18.978782
-67691.114	-66549.112	52052.4624	17202.5901	-43204.948	-57864.963	-108605.74	-83400.017	-51485.553	-52534.18	-89653.544
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8345.50593	9355.88545	9095.52377	8283.32136	9613.35764	9503.6495	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
263551.077	295469.817	297583.051	271361.608	314933.596	311339.56	303566.079	252918.512	195886.468	191598.125	248697.962
67691.1143	66549.1115	-52052.462	-17202.59	43204.9485	57864.963	108605.741	83400.017	51485.5535	52534.1803	89653.5439
67691.1143	66549.1115	-52052.462	-17202.59	43204.9485	57864.963	108605.741	83400.017	51485.5535	52534.1803	89653.5439
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.277	74992.5314	81888.5392	97642.582	93357.284	76738.349
263551.077	296218.125	315320.177	271361.608	314933.596	311339.56	303566.079	252918.512	195886.468	191598.125	248697.962
263551.077	296218.125	315320.177	271361.608	314933.596	311339.56	303566.079	252918.512	195886.468	191598.125	248697.962
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.6495	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
263551.077	296218.125	315320.177	271361.608	314933.596	311339.56	303566.079	252918.512	195886.468	191598.125	248697.962
263551.077	296218.125	315320.177	271361.608	314933.596	311339.56	303566.079	252918.512	195886.468	191598.125	248697.962
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.6495	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
195859.963	229669.014	367372.64	288564.198	271728.648	253474.59	194960.338	169518.495	144400.914	139063.944	159044.418
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263551.077	296218.125	315320.177	271361.608	314933.596	311339.56	303566.079	252918.512	195886.468	191598.125	248697.962
4285.83886	4675.17409	4889.4278	3946.71131	4142.45256	4125.3701	4235.82328	4122.52893	3052.18769	3356.47043	4026.81351
100503.049	113407.192	187306.638	137451.659	117408.057	111429.22	91086.2381	89954.8644	70430.0785	76537.5982	82951.7293
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4285.83886	4675.17409	4889.4278	3946.71131	4142.45256	4125.3701	4235.82328	4122.52893	3052.18769	3356.47043	4026.81351
11.132048	11.026353	12.47303	10.963086	10.178016	11.210244	10.805671	10.306322	7.786193	8.562424	10.067033
100503.049	113407.192	187306.638	137451.659	117408.057	111429.22	91086.2381	89954.8644	70430.0785	76537.5982	82951.7293
100503.049	113407.192	187306.638	137451.659	117408.057	111429.22	91086.2381	89954.8644	70430.0785	76537.5982	82951.7293
4285.83886	4675.17409	4889.4278	3946.71131	4142.45256	4125.3701	4235.82328	4122.52893	3052.18769	3356.47043	4026.81351
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84499.8354	108083.835	99863.564	87612.6701	86835.6837	71047.277	73554.0327	81888.5392	92460.6992	93357.284	74370.5525
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4285.83886	4675.17409	4889.4278	3946.71131	4142.45256	4125.3701	4235.82328	4122.52893	3052.18769	3356.47043	4026.81351
100503.049	113407.192	187306.638	137451.659	117408.057	111429.22	91086.2381	89954.8644	70430.0785	76537.5982	82951.7293
100503.049	113407.192	187306.638	137451.659	117408.057	111429.22	91086.2381	89954.8644	70430.0785	76537.5982	82951.7293
4305.05518	4390.86958	4614.88264	3818.91468	4243.68918	3977.0331	4145.51752	3802.76119	2851.1432	2902.98863	3811.52459
100959.655	107284.21	178204.808	133373.295	120312.657	107625.98	89972.4659	84338.7401	66497.6605	67089.7669	79585.595
				15.941603						
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4305.05518	4390.86958	4614.88264	3818.91468	4243.68918	3977.0331	4145.51752	3802.76119	2851.1432	2902.98863	3811.52459
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100959.655	107284.21	178204.808	133373.295	120312.657	107625.98	89972.4659	84338.7401	66497.6605	67089.7669	79585.595
4305.05518	4390.86958	4614.88264	3818.91468	4243.68918	3977.0331	4145.51752	3802.76119	2851.1432	2902.98863	3811.52459
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100959.655	107284.21	178204.808	133373.295	120312.657	107625.98	89972.4659	84338.7401	66497.6605	67089.7669	79585.595
100959.655	107284.21	178204.808	133373.295	120312.657	107625.98	89972.4659	84338.7401	66497.6605	67089.7669	79585.595
144882.311	191105.069	185253.265	174591.35	207324.783	205801.98	165607.352	208497.687	204754.712	195817.922	162578.78
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2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.2161	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
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2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.2161	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
144882.311	191105.069	185253.265	174591.35	207324.783	205801.98	165607.352	208497.687	204754.712	195817.922	162578.78
79222.0327	100440.566	47054.5826	56801.8263	93706.1523	100259.94	99180.3784	119697.603	109632.962	105571.177	96840.9513
79222.0327	100440.566	47054.5826	56801.8263	93706.1523	100259.94	99180.3784	119697.603	109632.962	105571.177	96840.9513
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144882.311	191105.069	185253.265	174591.35	207324.783	205801.98	165607.352	208497.687	204754.712	195817.922	162578.78
144882.311	191105.069	185253.265	174591.35	207324.783	205801.98	165607.352	208497.687	204754.712	195817.922	162578.78
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.2161	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
144882.311	191105.069	185253.265	174591.35	207324.783	205801.98	165607.352	208497.687	204754.712	195817.922	162578.78
144882.311	191105.069	185253.265	174591.35	207324.783	205801.98	165607.352	208497.687	204754.712	195817.922	162578.78
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.2161	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
65660.2783	90664.5023	138198.683	117789.524	113618.631	105542.04	66426.9738	88800.0836	95121.7496	90246.7449	65737.829
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144882.311	191105.069	185253.265	174591.35	207324.783	205801.98	165607.352	208497.687	204754.712	195817.922	162578.78

287109.406	293593.338	327131.549	206559.455	329099.046	329925.69	272223.884	287042.969	233000.259	234196.019	279438.557
1315.28011	1141.28841	1271.93492	838.89652	1520.50346	1724.3421	1433.13659	1448.00792	958.099438	1001.41207	1492.28699
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.0606	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
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3915.30624	4003.57192	4356.13138	2747.89751	4378.06367	4389.0606	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
287109.406	293593.338	327131.549	206559.455	329099.046	329925.69	272223.884	287042.969	233000.259	234196.019	279438.557
196439.156	199001.061	174786.357	111172.017	208188.088	214565.88	198181.98	206266.108	162556.461	162994.107	203558.995
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84444.5027	110673.197	101517.384	89681.6828	89651.2317	71047.277	74926.2342	81888.5392	96295.3013	93357.284	76480.3892
287109.406	294734.412	349931.455	206559.455	329099.046	329925.69	272223.884	287042.969	233000.259	234196.019	279438.557
287109.406	294734.412	349931.455	206559.455	329099.046	329925.69	272223.884	287042.969	233000.259	234196.019	279438.557
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.0606	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
287109.406	294734.412	349931.455	206559.455	329099.046	329925.69	272223.884	287042.969	233000.259	234196.019	279438.557
287109.406	294734.412	349931.455	206559.455	329099.046	329925.69	272223.884	287042.969	233000.259	234196.019	279438.557

3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.0606	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
90670.2504	95733.3507	175145.098	95387.4388	120910.959	115359.8	74041.9048	80776.8615	70443.7977	71201.9127	75879.5618
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287109.406	294734.412	349931.455	206559.455	329099.046	329925.69	272223.884	287042.969	233000.259	234196.019	279438.557
963420.625	1080462.47	1114004.01	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
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35527.0208	39309.0567	40944.1912	33628.0572	39244.5517	38657.95	37081.9595	34427.0247	27361.1037	27514.5951	33115.8841
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					11.11179		22.112401			31.022296
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-131911.76	-126085.64	389977.688	240889.075	-66274.09	-133163.12	-268435.05	-253941.78	-188206.88	-175009.91	-256352.4
-131911.76	-126085.64	389977.688	240889.075	-66274.09	-133163.12	-268435.05	-253941.78	-188206.88	-175009.91	-256352.4
35527.0208	39250.0189	39599.3707	33628.0572	39244.5517	38657.368	37081.9595	34425.5736	27361.1037	27514.5951	33114.0082
963420.625	1080462.47	1114004.01	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
131911.761	126085.639	-389977.69	-240889.07	66274.09	133163.12	268435.055	253941.785	188206.881	175009.905	256352.402
131911.761	126085.639	-389977.69	-240889.07	66274.09	133152.01	268435.055	253919.672	188206.881	175009.905	256321.38
1.31	0.94	0.1	0.13	0.32	0.33	8.05	0.36	0.41	0.3	1.35
591443.515	772123.015	712020.588	618579.005	621206.485	497330.94	521992.659	567933.776	662453.638	653500.988	530861.139
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
35527.0208	39309.0567	40944.1912	33628.0572	39244.5517	38657.95	37081.9595	34427.0247	27361.1037	27514.5951	33115.8841
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
35527.0208	39309.0567	40944.1912	33628.0572	39244.5517	38657.95	37081.9595	34427.0247	27361.1037	27514.5951	33115.8841
831508.864	957019.046	1562455.16	1170621.64	1106746.17	1032191.8	783134.409	752463.65	645787.216	642488.151	688207.433
-131911.76	-126085.64	389977.688	240889.075	-66274.09	-133163.12	-268435.05	-253941.78	-188206.88	-175009.91	-256352.4
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
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0.262838	0.298268	0.451186	0.423899	0.350131	0.33455	0.233354	0.271511	0.292497	0.28727	0.260197
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.9	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2241732.52	2974574.93	2885442.3	2491170.31	2578673.43	2070872.6	2073364.72	2308084.07	2713429.94	2574091.96	2117452.95
10172.5341	11382.8533	11067.6188	9996.56924	11716.9563	10733.977	10844.4213	11292.2872	10841.8279	10780.3249	11058.8706
-11921.459	-24938.53	3743.48108	-32.773569	1894.60174	12806.039	-4330.1519	-7592.7605	-28190.144	-24503.513	-5415.0869
3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.8	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98
0.034079	0.032171	0.030911	0.034209	0.035755	0.03604	0.035299	0.034365	0.035053	0.035074	0.034065
410073.549	510458.462	692231.384	600306.976	569947.688	493313.76	374350.436	446190.569	467560.462	459254.766	426226.62
448693.48	556425.899	868055.769	747095.228	656547.861	575031.02	425654.564	521602.175	562723.878	535801.522	491422.964
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611112.448	782420.91	1048766.51	910924.063	887248.193	764850.46	599614.027	689694.799	714258.064	708500.423	668937.356
70.397937	11.461685	2971.75813	2410.65074	467.056219	174.6054	324.402125	693.711995	4639.2064	2646.32489	705.801609
128276.779	147629.111	139045.72	127258.278	143791.818	129503.34	127521.774	141561.833	138523.207	138124.879	138516.304
333.186438	348.181865	354.708469	353.495216	353.29685	351.91124	325.310647	353.904582	353.375528	352.359385	346.29076
140966.4	155650.4	143903.2	132156	149776.8	135092.8	143903.2	146840	143903.2	143903.2	146840
366.146493	367.099999	367.099999	367.099999	368.001965	367.1	367.099999	367.099999	367.099999	367.099999	367.099999
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
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1144709.09	1436838.3	2048522.67	1773510.05	1652666.19	1432951.1	1121852.01	1303372.83	1371461.69	1337846.55	1257706.04
1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.1	864600.967	1085946.23	1283051.27	1184146.44	998789.656
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.277	74992.5314	81888.5392	97642.582	93357.284	76738.349
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1835303.12	2246592.63	4404530.91	3458303.84	2854653.04	2475247.9	1647735.38	1838409.88	1928838.48	1826634.59	1686997.09
1344.53	1403.49	1831.02	1727.02	1696.41	1489.16	1358.82	1666.6	1915.06	1726.54	1536.6
164308.639	90871.1132	502936.042	425781.474	424278.551	584830.7	253552.17	220649.795	71195.6279	81497.0861	256669.604
19.627156	20.369682	29.586751	27.335408	22.925264	21.824933	18.062235	18.690673	20.272911	19.938901	18.018041
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278.49	346.31	173.89	172.53	207.86	134.48	244.35	262.49	345.54	332.69	251.04
153.794043	188.502928	160.413721	161.550315	138.30223	106.70186	135.419961	157.642585	205.02994	190.543172	157.006892

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17,169	27,916	11,716	12,035	10,956	5,020	12,036	13,920	29,903	26,754	13,054
179252.422	98835.645	693102.198	577044.543	506551.68	662633.57	259969.681	228767.14	84543.8376	90149.3219	260524.585
5.82574	3.145524	8.577308	9.119976	8.50421	9.789559	5.847491	6.357363	5.157317	4.303156	6.799562
5,248	2,918	14,115	12,002	12,851	17,826	7,706	6,328	1,713	2,251	7,639
23.740597	24.76173	35.856872	34.746492	29.175734	27.698951	24.495217	27.068787	33.163084	28.479095	26.83243
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67330.5841	82757.2128	90411.7683	77647.1121	78835.5938	66027.706	62956.8293	67968.0705	67739.7889	66602.8547	63684.5126
1900987.84	2383033.94	2622791.32	2241474.6	2359407.33	1978702.4	1868439.77	2048825.31	2096257.91	2033683.73	1898480.68
5672764.65	6768063.42	6275946.55	5622199.97	6217374.16	5346170.8	5648938.74	5945272.12	6271113.79	6138591.85	5764222.96
5834256.9	7260768.77	5845495.33	5294851.15	5930088.58	4775707.4	5593894.01	5975763.74	6803741.99	6588850.77	5722670.65
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889928.605	1167892.43	1109735.73	964582.249	955911.014	762771.08	757310.749	875296.512	1033038.81	1001983.42	802954.608
4.29	4.5	4.74	4.14	4.3	3.59	4.8	3.94	3.72	3.62	5.13
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.532	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
7722261.87	9281464.11	11026077.5	9381090.08	9366679.97	8075760	7490536.6	8013635.86	8438447.89	8201975.13	7670729.09
4328232.95	5533738.44	7501726.1	6144440.8	5698477.45	4767185.2	3966185.16	4417358.89	4914096.45	4677623.69	4074452.11
1059805.93	1338846.81	1916822.28	1658019.29	1543796.05	1339881.5	1025268.59	1211296.97	1276981.94	1244301.94	1160360.32
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42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.532	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
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42053.0577	54595.7711	94113.9299	79023.2569	66665.2107	58157.138	45110.8784	51674.5945	56286.3421	53336.6078	50098.0699
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
35527.0208	39309.0567	40944.1912	33628.0572	39244.5517	38657.95	37081.9595	34427.0247	27361.1037	27514.5951	33115.8841
831508.864	957019.046	1562455.16	1170621.64	1106746.17	1032191.8	783134.409	752463.65	645787.216	642488.151	688207.433
-131911.76	-126085.64	389977.688	240889.075	-66274.09	-133163.12	-268435.05	-253941.78	-188206.88	-175009.91	-256352.4
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836

2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08
3380500.4	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
-3380500	-3596277	-3668407.5	-3604713.3	-3236885.4	-3751844.4	-3384016.5	-3751844.4	-3531147.7	-3604713.3	-3751844.4
-3380500	-3596277	-3668407.5	-3604713.3	-3236885.4	-3751844.4	-3384016.5	-3751844.4	-3531147.7	-3604713.3	-3751844.4
3380500.4	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
3380500.4	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
3380500.4	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
23.46017	24.690184	25.770198	40.180414	36.640408	29.780433	28.120452	22.240419	23.220467	25.710487	25.180437
22.402161	22.40206	22.402221	22.850142	22.850123	22.850182	22.850142	22.850123	22.850202	22.850083	22.850142
23.338226	24.568234	25.648243	40.05837	36.518367	29.658382	27.998393	22.118374	23.098402	25.588414	25.058384
23.432029	24.662042	25.742055	40.15225	36.612244	29.752267	28.092284	22.212255	23.192298	25.682317	25.152271
22.728505	23.958484	25.038464	39.448154	35.908163	29.048127	27.388099	21.508147	22.488078	24.978048	24.44812
23.000534	24.230526	25.310519	39.720404	36.180408	29.320394	27.660384	21.780402	22.760376	25.250365	24.720392
$ 23.41	$ 24.64	$ 25.72	$ 40.13	$ 36.59	$ 29.73	$ 28.07	$ 22.19	$ 23.17	$ 25.66	$ 25.13
$ 23.45	$ 24.68	$ 25.76	$ 40.17	$ 36.63	$ 29.77	$ 28.11	$ 22.23	$ 23.21	$ 25.70	$ 25.17

20.641456	20.641456	20.641456	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286
1.11	1.11	1.11	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
23.16	24.39	25.47	39.88	36.34	29.48	27.82	21.94	22.92	25.41	24.88
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19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
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8256.15	8668.35	8844.75	8630.325	7658.325	8968.5	8028.45	8889.525	8402.625	8597.025	8903.7
21.957845	21.616832	21.678308	22.016135	21.756605	22.035626	21.81644	21.788051	21.881835	21.931186	21.822794
8460	9000	9180	8820	7920	9180	8280	9180	8640	8820	9180
22.5	22.44389	22.5	22.5	22.5	22.555282	22.5	22.5	22.5	22.5	22.5

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2893.5576	2001.53685	376.539471	120318.46	92419.6445	26609.2958	30864.8911	13061.0248	22440.5997	37631.1463	24529.7361
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19.29268	32.280077	14.635303	4288.57028	1902.7627	464.549926	908.975255	302.048724	1199.01145	4539.523	2052.10445
21143.32	22457.02	23053.26	22180.36	19779.74	22933.78	20628.28	22994.68	21548.74	22073.64	22981.92
56.232234	56.002543	56.503088	56.582551	56.192443	56.348353	56.055108	56.359509	56.11651	56.310306	56.328235
21808	23200	23664	22736	20416	23664	21344	23664	22272	22736	23664
58	57.855361	58	58	58	58.142506	58	58	58	58	58
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
7.602749	8.004268	3.763135	42.519348	43.268768	39.612204	37.727883	13.254867	26.650652	37.076956	25.980779
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3458.6106	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
3757.4035	2527.98441	453.174082	165734.181	135391.644	35477.7551	41794.9491	17932.6799	32224.9324	56506.9559	35013.1258
298.7929	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
3757.4035	2527.98441	453.174082	165734.181	135391.644	35477.7551	41794.9491	17932.6799	32224.9324	56506.9559	35013.1258
158.25	128.19	101.9	253.01	218.4	215.11	175.91	125.58	161.91	239.23	190.1
3354.9172	2210.06315	339.173741	117036.996	97436.9963	28820.881	30811.5609	13932.7116	19095.148	16922.7371	16420.6426
3646.8378	2344.01407	353.928846	136027.049	120794.232	32519.128	35453.6536	15970.2793	23518.7172	21245.6205	20079.7663
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51.4282	52.582778	63.202058	57.133628	59.778382	57.114795	56.783055	53.919902	57.42877	56.063643	56.316386
2.057128	3.142361	2.528082	42.788146	41.204363	22.705616	30.095019	10.190424	22.954683	38.067959	25.318567
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
0.180478	0.109925	0.017058	6.619693	5.594034	1.373759	1.727391	0.730686	1.203802	2.003367	1.243872
298.7929	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
298.7929	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
2.048272	3.427123	1.553806	455.310572	202.013239	49.320514	96.504433	32.068024	127.297106	481.953816	217.868611
103.69337	174.432207	94.43773	25369.4098	11692.1132	2639.32274	5483.63428	1645.5101	7280.36547	27351.7216	12409.5065
1.11	0.72	0.11	31.41	20.22	7.71	8.85	4.01	4.78	5.72	5.04
-298.7929	-143.48906	-19.56261	-23327.775	-26262.534	-4017.5514	-5499.7539	-2354.4582	-5849.4189	-12232.497	-6182.9768
-3945.631	-2487.5031	-373.49146	-159354.82	-147056.77	-36536.679	-40953.407	-18324.738	-29368.136	-33478.118	-26262.743
	0.02	0.01	2.37	0.81	0.34	0.37	0.16	0.87	2.74	1.24
245.6084	180.0468	33.9537	12220.5999	8768.056	2286.3895	2256.3554	1063.4715	2022.3935	3953.9061	2433.1374
0.02	0.05		0.84	0.52	0.39	0.25	0.05	0.15	0.16	0.12

8.601	21.5025		368.466	228.098	171.0735	109.6625	21.9325	65.7975	70.184	52.638
3458.6106	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
3458.6106	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
2893.5576	2001.53685	376.539471	120318.46	92419.6445	26609.2958	30864.8911	13061.0248	22440.5997	37631.1463	24529.7361
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
8.601	21.5025		368.466	228.098	171.0735	109.6625	21.9325	65.7975	70.184	52.638
3458.6106	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
556.452	361.456	57.072	21719.4804	16481.367	4679.8344	5320.6416	2495.2644	3869.1162	6573.1284	4247.775
			0.12	0.28	0.18					
11.193788	11.163267	11.119199	10.824943	10.867675	10.964406	11.009183	11.208079	11.229438	11.144911	11.171093
0.516748	0.527206	0.55244	0.779572	0.732057	0.640525	0.590052	0.511614	0.50025	0.529533	0.520727
0.499782	0.509298	0.534245	0.756312	0.710011	0.61552	0.286186	0.493915	0.483456	0.510767	0.502243
416268.59	556223.005	718036.771	766709.335	626081.765	553737.242	176740.023	628648.336	609573.358	730040.897	722316.876
2121.8943	2471.16704	2697.82766	2857.78114	2430.93346	2446.26404	874.08573	3200.14182	2899.56961	2847.52233	2929.9701
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
0.033909	0.034725	0.034044	0.031658	0.031392	0.039705	0.037663	0.034901	0.034296	0.036683	0.036568
232878.12	251764.703	267933.144	352997.95	299162.682	304172.388	128113.855	249942.333	230850.989	247240.386	253572.499
260420.39	280985.707	299847.193	406999.191	345114.135	350692.235	148117.833	287229.666	266478.08	285796.277	293416.962
2.8663	2.8663	2.8663	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262
409003.85	442174.348	470570.981	626994.96	531372.755	540270.995	227555.829	443947.571	410037.527	439148.373	450395.472
40320.75	42858.21	43746.21	42134.49	37845.45	43489.8	19807.95	43707.36	41162.13	41915.82	43631.88
107.23604	106.878329	107.221102	107.485943	107.515482	106.854545	53.825951	107.125882	107.193046	106.928112	106.940882
41736	44400	45288	43512	39072	45288	40848	45288	42624	43512	45288
111	110.723192	111	111	111	111.272727	111	111	111	111	111
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
33.985814	33.928309	33.807645	33.568791	33.637957	34.005271	34.919359	34.794282	34.881581	34.617978	34.679827
33.654738	33.570851	33.443043	33.281251	33.404491	33.689807	33.816729	34.407988	34.462692	34.21339	34.288228
708765.38	766184.415	816771.315	1094756.65	926562.677	943622.633	406586.858	775392.752	717556.715	769013.02	788635.212
557050.32	634161.212	705167.482	1499621.46	1175924.05	971410.042	388341.234	585773.096	567543.562	681228.556	666777.414
-151715.1	-132023.2	-111603.83	404864.807	249361.372	27787.4088	-18245.624	-189619.66	-150013.15	-87784.464	-121857.8
557050.32	634161.212	705167.482	1499621.46	1175924.05	971410.042	388341.234	585773.096	567543.562	681228.556	666777.414
363.25	386.11	394.11	379.59	340.95	391.8	178.45	393.76	370.83	377.62	393.08
286112.72	202665.33	90609.3645	320267.797	295069.072	382105.872	217754.756	138542.096	100119.277	30685.2431	58116.0154
288599.42	221103.049	101106.941	488169.791	435642.665	477150.607	253333.611	149626.975	106747.884	35579.2279	64658.266

49.235738	45.854557	33.8653	43.208464	47.00107	53.483749	59.560649	35.510505	31.175468	25.922347	31.297464
8710.5895	6240.77219	2800.10808	9838.44477	9040.65527	11654.3669	6578.48744	4214.74614	3002.44409	931.402828	1756.4477
24.756694	24.364637	25.071714	30.042321	28.175438	26.484534	27.098053	22.652863	23.416448	23.741067	23.962028
21.625584	23.220703	24.901021	29.935729	27.982699	25.266615	23.694958	20.966477	21.639939	23.630844	23.757792
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
55.475808	56.391112	59.301254	83.950724	78.811312	68.490673	31.766668	54.824617	53.663671	56.695224	55.749083
-273440.4	-263620.61	-251652.49	220352.778	92989.0384	-131203.5	-85210.736	-320264.51	-270678.97	-217017.01	-254400.14
-273440.4	-263620.61	-251652.49	220352.778	92989.0384	-131203.5	-85210.736	-320264.51	-270678.97	-217017.01	-254400.14
12148.315	16372.0638	21394.8039	23070.2392	18700.9267	16221.3371	5111.64656	18153.6979	17604.4059	21293.1252	20989.1783
416268.59	556223.005	718036.771	766709.335	626081.765	553737.242	176740.023	628648.336	609573.358	730040.897	722316.876
20.09	26.38	20.55	115.44	84.55	67.53	25.32	16.22	13.8	8.31	10.72
151715.05	132023.203	111603.833	-404864.81	-249361.37	-27787.409	18245.6243	189619.656	150013.153	87784.4642	121857.797
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188.83	251.47	307.72	163.08	158.58	186.08	63.64	276.69	268.55	321.94	324.16
						0.5				
69180.394	84129.8781	101209.927	98402.1252	84992.4633	85434.4206	33482.6072	75042.5581	75648.9339	92762.7991	93391.508
0.77	0.88	0.98	0.92	0.64	0.92	1.43	0.97	0.93	0.98	0.97
6384.07	7296.08	8125.18	7779.52	5411.84	7779.52	12092.08	8202.32	7864.08	8286.88	8202.32
830490.77	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
830490.77	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
669424.24	723160.054	770418.174	1033994.15	876486.89	890963.23	375673.663	731177.237	676515.607	724944.65	743812.434
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
6384.07	7296.08	8125.18	7779.52	5411.84	7779.52	12092.08	8202.32	7864.08	8286.88	8202.32
830490.77	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
32957.068	35728.2809	38227.961	52982.9812	44663.947	44879.8834	18821.1157	36013.1948	33177.0285	35781.4901	36620.4579
144.17	96.22	53.42	47.34	55.62	117.22	72.49	84.14	69.81	22.3	37.98

0.024707	0.02795	0.025122	0.034719	0.03088	0.026421	0.028396	0.022181	0.031718	0.036683	0.037328

1100.13	1166.46	1193.25	1135.17	1023.39	1191.66	1072.65	1196.85	1115.46	1132.86	1178.31
2.925877	2.908877	2.924632	2.895841	2.907357	2.927911	2.914809	2.933455	2.904843	2.889948	2.888014
1128	1200	1224	1176	1056	1224	1104	1224	1152	1176	1224
3	2.992518	3	3	3	3.007371	3	3	3	3	3

11.559418	11.538781	11.451872	11.341886	11.366768	11.425989	11.465329		11.677287	11.601817	11.556398
0.662739	0.682301	0.707878	0.826001	0.793789	0.754875	0.722878		0.609202	0.64217	0.667236
0.632863	0.646526	0.59539	0.792736	0.75601	0.722501	0.684277		0.281758	0.615589	0.634224
266809.09	290110.136	270122.618	347740.644	298819.904	332969.119	281624.538		124977.356	278401.114	297393.864
1371.8593	1294.0204	1012.22422	1307.619	1174.21399	1488.03396	1424.70157		555.470186	1088.46993	1213.9766
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
0.046063	0.050825	0.048897	0.040535	0.048125	0.044313	0.051086	0.047279	0.043802	0.042193	0.047303
117910.06	127705.244	118920.376	149851.224	128756.89	143664.631	123348.79		53956.5829	120127.09	128185.824
131473.18	142299.733	132368.653	172754.957	148507.01	165558.791	142567.444		62200.1456	138477.417	148026.288
2.1779	2.1779	2.1779	2.2241	2.2241	2.2241	2.2241		2.224099	2.2241	2.2241
125916.15	136376.43	126995.07	160955.199	138297.775	154310.18	132488.935		57954.7657	129028.508	137684.394
15423.24	16285.39	14742.98	16172.73	14407.58	16766.56	14976.04		7605.41	16144.78	16673.25
41.019255	40.611945	36.134754	41.256964	40.930625	41.195479	40.69576		19.805755	41.185663	40.865808
16168	17200	17544	16856	15136	17544	15824	17544	16512	16856	17544
43	42.892768	43	43	43	43.105651	43	43	43	43	43
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
26.737488	26.606046	26.920078	26.664855	26.879254	26.86783	27.059774		28.622347	27.402971	27.263287
26.19825	26.157218	25.968765	26.269093	26.322402	26.456605	26.539095		27.015278	26.844833	26.741615
272972.42	294804.943	279349.418	352425.406	304424.887	337695.758	291612.49		131565.135	283755.127	302789.706
264354.66	300131.786	291465.524	585997.693	462154.395	417482.898	339454.442		130100.337	302398.221	311447.084
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264354.66	300131.786	291465.524	585997.693	462154.395	417482.898	339454.442		130100.337	302398.221	311447.084
358.68	378.47	342.86	376.11	335.06	389.92	348.28		176.87	375.46	387.43
1119.3446	19.89505				209.190835	4801.25232		62.57533		
1234.2769	20.809289				259.286611	6173.26286		63.821963		
5.844173	0.555121				1.7736	9.188361		0.802378		
44.28689	0.819645				8.045179	186.337788		2.387798		
24.591119	22.12918	25.639253	35.467612	29.330052	25.092188	25.973237		22.459301	26.237088	21.502212
20.098361	7.072194	6.15342	9.930931	6.745912	14.532247	25.29955		6.947324	7.084013	7.740796
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
27.213138	27.731321	25.601789	34.087678	32.508437	31.143882	29.42394		12.115625	26.470331	27.271666
-70249.35	-61424.689	-50043.574	155245.052	90428.2817	4693.63722	-16632.461		-29667.904	-44147.336	-58345.353
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10187.853	11119.4404	10445.53	13362.37	11442.97	12667.5148	10641.6722	4650.0122	10376.37	11126.84	
266809.09	290110.136	270122.618	347740.644	298819.904	332969.119	281624.538	124977.356	278401.114	297393.864	
0.01						0.45				
8617.7631	-5326.8424	-12116.106	-233572.29	-157729.51	-79787.14	-47841.951	1464.79788	-18643.094	-8657.3779	
7383.4861	-5347.6517	-12116.106	-233572.29	-157729.51	-80046.427	-54015.214	1400.97592	-18643.094	-8657.3779	
1.94	2.02	3.64	2.93	2.04	4.74	25	1.3	3.4	2.95	
	0.0025	0.115196				0.002717	1 0.518229		0.00245	
67017.366	81664.2011	85548.5798	96858.0704	81848.4378	84380.9763	66121.1454	36663.0709	91300.6234	91218.6778	
1.23	1.14	2.25	1.12	1.34	1.08	1.24	1.56	1.28	1.29	
5043.984	4674.912	9226.8	4684.76176	5604.98282	4517.44884	5186.70052	6525.20388	5354.01344	5395.84167	
334604.01	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
334604.01	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
257389.33	278676.163	259363.722	333710.156	286804.785	319868.971	275056.379	120154.911	267505.925	285710.682	
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01	4652.4	10376.37	11126.84	
5043.984	4674.912	9226.8	4684.76176	5604.98282	4517.44884	5186.70052	6525.20388	5354.01344	5395.84167	
334604.01	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
10539.104	11453.8678	10758.8959	14030.4885	12015.1185	13309.338	11369.4105	4885.02	10895.1885	11683.182	
					0.01	1.22				

0.01726	0.033425	0.027892	0.023239	0.028409	0.021421	0.026576	0.02522	0.035963	0.043469	0.018161

1108.53	1159.89	1189.86	1148.67	1026	1197.78	1074.66	1193.13	1110.57	1124.88	1201.77
2.948218	2.892493	2.916323	2.93028	2.914772	2.942948	2.920271	2.924338	2.892109	2.869591	2.945514
1128	1200	1224	1176	1056	1224	1104	1224	1152	1176	1224
3	2.992518	3	3	3	3.007371	3	3	3	3	3

0.28	0.14		8.849974	9.335628	3.647372	3.365164	1.962953	3.803228	6.222929	3.380291
0.000127	0.000043		0.024461	0.031772	0.002912	0.003916	0.002028	0.005157	0.011821	0.00526
0.000127	0.00004		0.023709	0.030897	0.002803	0.00375	0.002004	0.004901	0.011607	0.005171
			1447.41883	813.272218	156.164031	83.622886	52.188677	541.899645	4537.37059	528.575594

			5.097725	3.000282	0.601747	0.382989	0.23709	1.851574	14.97579	1.853755
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
0.027579	0.028412	0.032867	0.032997	0.030269	0.029227	0.038328	0.025808	0.02927	0.026811	0.033946
33.6	11.2		6545.1	7719.4	804.4	969	574.1	1333.3	3236.3	1497.1
158.673	47.86041		27082.5705	34348.6152	3674.82753	4932.78308	2654.65211	7078.03542	16896.9541	7850.07311
0.090134	0.042732		2.724018	3.048348	1.160122	1.22451	0.671217	1.374287	2.195066	1.210145
			337.231857	170.452478	30.49364	17.037232	11.475485	99.748174	850.641058	104.4281
18370.6	19428.3	19764.6	18993.9	17036.2	19825.5	17630.4	19895.4	18673.7	19100	19749.2
48.857978	48.449625	48.442647	48.453826	48.398295	48.711302	47.908695	48.763235	48.629427	48.724489	48.404901
18800	20000	20400	19600	17600	20400	18400	20400	19200	19600	20400
50	49.875311	50	50	50	50.12285	50	50	50	50	50
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
1.261886	0.598255		49.283216	69.206928	19.415099	19.155096	10.893806	29.313197	56.122997	27.091565
1.261886	0.598255		38.677868	43.40458	16.352027	17.336465	9.434854	19.486429	31.144048	17.059939
158.673	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
161.30691	49.426086		30861.8128	40987.5369	4098.21912	5416.61627	2914.01162	8206.90544	20305.3175	9145.4459
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
161.30691	49.426086		30861.8128	40987.5369	4098.21912	5416.61627	2914.01162	8206.90544	20305.3175	9145.4459
155.71	89.34	87.71	269.32	284.69	182.95	153.36	186	227.22	350.15	263.44
158.673	47.86041		25911.8386	33723.214	3534.45849	4874.28519	2607.84843	6561.63577	12394.0905	7329.53752
161.30691	49.426086		29227.7117	40016.2713	3933.11731	5329.03202	2859.77785	7586.16839	14774.0487	8553.64721
0.8	0.4		13.05405	14.678472	5.329415	4.790818	2.843963	5.534751	8.656059	4.871394
2.4	0.8		440.676295	531.637933	55.021882	67.783054	40.080322	86.97513	167.179779	98.083707
			59.498496	65.49338	68.203366	68.584268	64.26405	76.732963	75.505681	75.315301
			14.207907	10.47894	2.046101	4.115056	1.285281	6.036719	24.161818	10.544142
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
0.006382	0.001995		1.185459	1.544886	0.14054	0.1875	0.100245	0.245052	0.580357	0.258578
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
			24.023704	12.162066	2.178117	1.216945	0.819677	7.124869	60.32022	7.416292
			1447.41883	813.272218	156.164031	83.622886	52.188677	541.899645	4537.37059	528.575594
0.06	0.02		6.32	8.21	0.93	1.04	0.48	1.19	2.85	1.5
-2.633905	-1.565676		-3502.5553	-6451.0507	-407.5966	-458.70819	-253.97451	-1103.37	-3373.8563	-1287.3328
-163.9408	-50.991763		-32730.267	-46467.322	-4340.7139	-5787.7402	-3113.7524	-8689.5384	-18147.905	-9840.98
			0.14	0.03	0.02			0.01	0.41	0.07

12.6195	4.8892		3466.8955	4221.4677	362.1716	376.0678	220.7807	690.7159	2058.4949	872.5771
			0.49	0.23	0.03	0.05	0.01	0.04	0.02	
			260.967	145.391	14.355	23.925	4.785	19.14	13.987	
158.673	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
158.673	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
158.673	47.86041		27082.5705	34348.6152	3674.82753	4932.78308	2654.65211	7078.03542	16896.9541	7850.07311
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
			260.967	145.391	14.355	23.925	4.785	19.14	13.987	
158.673	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
			15.72	42.48	1.44	1.2	0.6	6.36	20.52	8.04
				0.01						

0.026117	0.0315	0.040833	0.034642	0.027698	0.025514	0.021521	0.034044	0.037421	0.034387	0.031519

1464.72	1549.6	1565.36	1513.68	1369	1590.36	1440.32	1576.44	1478.52	1514.08	1580.56
3.895531	3.864339	3.836666	3.861428	3.889204	3.907518	3.913913	3.863823	3.850312	3.862448	3.873921
1504	1600	1632	1568	1408	1632	1472	1632	1536	1568	1632
4	3.990024	4	4	4	4.009828	4	4	4	4	4

10.511697	10.509009	10.469237	10.282454	10.306485	10.361669	10.41061	10.634402	10.659006	10.538019	10.54768
0.421453	0.440235	0.471156	0.681963	0.644774	0.556319	0.50379	0.372762	0.36219	0.404576	0.405181
0.398977	0.418645	0.447648	0.650755	0.609778	0.524042	0.473733	0.267512	0.343414	0.383251	0.383195
233047.43	285674.077	319363.996	450779.42	378281.14	363782.936	248064.418	197820.318	242616.852	276638.209	287859.925
1186.6751	1263.55655	1197.01578	1692.59229	1483.81832	1608.71507	1244.9949	1003.91666	1132.14614	1058.63487	1154.23512
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
0.057393	0.05255	0.052867	0.049438	0.059346	0.062156	0.058913	0.070367	0.054166	0.054387	0.057205
91736.136	102316.175	110882.946	151170.933	127724.078	128352.552	105311.614	67240.4164	81721.4691	92357.1268	96077.4135
102927.93	114592.718	124589.322	174467.472	147769.811	148351.915	121943.684	77321.4562	94652.8285	107080.454	111780.175
2.819	2.819	2.819	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367
156777.06	174858.343	189498.955	270097.106	228204.61	229327.505	188160.26	120138.452	146011.749	165014.478	171661.515

20769.012	22208.228	22644.798	21835.532	19403.046	22422.704	20241.026	17061.976	21283.52	21721.848	22541.076
55.236734	55.382114	55.501955	55.702887	55.122289	55.092638	55.002788	41.818568	55.425833	55.412877	55.247735
22033.6	23440	23908.8	22971.2	20627.2	23908.8	21564.8	23908.8	22502.4	22971.2	23908.8
58.599999	58.453865	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
33.974001	32.856611	33.588527	33.58031	33.556896	34.037254	34.505068	40.195919	36.512001	34.62363	35.171513
30.142654	30.139923	30.026699	30.720832	30.788232	30.953089	31.092279	31.759673	31.823325	31.466723	31.492018
292365.94	317806.899	349975.679	480569.58	405789.641	412971.376	343600.636	243542.318	273980.936	301427.742	316000.153
252495.96	293849.016	328566.561	707167.692	553851.776	458972.949	355615.392	185726.061	233123.492	294602.909	292688.541
-39869.98	-23957.884	-21409.118	226598.112	148062.135	46001.5731	12014.7559	-57816.257	-40857.444	-6824.8326	-23311.612
252495.96	293849.016	328566.561	707167.692	553851.776	458972.949	355615.392	185726.061	233123.492	294602.909	292688.541
354.42	378.98	386.43	372.62	331.11	382.64	345.4	291.16	363.2	370.68	384.66
31228.832	8879.77204	289.706039	1707.92955	4359.6353	20536.975	67453.988	3029.42034	2143.38516	122.708623	437.487791
35210.256	10244.1905	334.517974	2622.10072	6467.17517	26390.4513	85152.6659	3522.91415	2323.49395	125.807057	450.290583
19.274074	13.783181	2.746096	5.096986	8.963814	15.662189	23.685093	8.723264	8.940835	2.019917	4.383819
1065.5703	305.56624	9.641519	56.319589	144.537344	682.305012	2224.57081	101.11431	69.138296	3.973008	14.298465
26.667131	26.127269	25.895666	34.931668	30.835469	28.019366	25.844394	25.208965	23.397316	24.556993	25.136972
24.97467	25.256969	24.55184	33.860646	29.553981	27.414831	25.216818	22.84549	22.066226	21.108312	22.045032
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
23.380085	24.471456	26.232205	38.134244	35.733034	30.784343	27.760777	15.67624	20.124114	22.458535	22.455245
-87820.46	-77438.548	-79367.634	147581.065	81300.7593	-21088.306	-43031.624	-92962.823	-83573.256	-55099.903	-73531.276
-87820.46	-77438.548	-79367.634	147581.065	81300.7593	-21088.306	-43031.624	-92962.823	-83573.256	-55099.903	-73531.276
7725.3417	9507.48776	10693.0985	14892.3044	12433.4907	11846.923	7991.39519	6294.79169	7658.5217	8799.77299	9147.44153
233047.43	285674.077	319363.996	450779.42	378281.14	363782.936	248064.418	197820.318	242616.852	276638.209	287859.925
0.5	0.29	0.03	0.43	0.67	1	12.96	0.13	0.09	0.01	0.01
39869.982	23957.8838	21409.1184	-226598.11	-148062.13	-46001.573	-12014.756	57816.2574	40857.4444	6824.8326	23311.6121
4659.7254	13713.6933	21074.6004	-229220.21	-154529.31	-72392.024	-97167.422	54293.3433	38533.9505	6699.02554	22861.3215
16.17	21.41	21.79	17.06	15.08	19.59	117.9	15.04	19.14	21.94	22.61
						0.002717	0.232843			
61834.09	77631.9562	91713.9223	89393.2891	76950.3581	77631.8366	61213.7468	49351.7741	68514.7694	85556.0284	85639.9531
1.51	1.25	1.63	1.48	1.22	1.51	1.48	2.25	1.54	1.3	1.46
28089.684	23253.05	30321.9772	28082.2304	23148.8656	28651.4648	28082.2304	42692.58	29220.6992	24666.824	27702.7408
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
259704.98	289451.061	314088.277	444564.579	375974.42	377679.42	310103.944	197459.908	240664.577	272094.933	283441.69

8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
28089.684	23253.05	30321.9772	28082.2304	23148.8656	28651.4648	28082.2304	42692.58	29220.6992	24666.824	27702.7408
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
4571.2742	5102.78808	5565.4248	7922.77072	6666.35484	6640.49084	5414.46198	3389.83018	4095.6598	4665.98538	4855.7222
2.8	1.01	0.12	0.35	0.78	1.98	35.85	0.77	0.62	0.04	0.27
			6.75	7.35	1.95	2.25	1.8	3	5.7	3
			0.015932	0.024476	0.001426	0.002191	0.001455	0.004495	0.009688	0.003981
			0.015663	0.02375	0.001397	0.002146	0.001421	0.004427	0.009566	0.003946
			145.236164	61.320277				11.278766	612.449203	78.198829
			0.509196	0.221844				0.038821	1.993377	0.259502
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
0.031223	0.030875	0.026495	0.025969	0.032755	0.038333	0.040815	0.040049	0.02677	0.02704	0.032377
			1289.4	1755.6	119.7	165.9	121.8	357	787.5	338.1
			5056.98578	7631.53637	549.954844	848.823104	559.683326	1896.96734	4142.2187	1788.90866
			1.849983	2.216884	0.574771	0.7563	0.568469	1.024862	1.923149	1.015881
			32.912348	12.508162				2.010684	111.504732	14.590209
5099.64	5427.1	5560.66	5345.48	4766.58	5493.04	4941.72	5483.24	5232.08	5339.6	5527.06
13.562872	13.533915	13.629068	13.636428	13.54142	13.496412	13.428586	13.439313	13.625208	13.621428	13.546715
5264	5600	5712	5488	4928	5712	5152	5712	5376	5488	5712
14	13.965087	14	14	14	14.034398	14	14	14	14	14
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
			29.810759	33.642551	8.621566	11.594512	8.527035	15.372933	28.888904	15.988224
			29.810759	33.642551	8.621566	11.594512	8.527035	15.372933	28.888904	15.988224
			5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
			5740.88482	9131.41101	621.614448	914.556591	600.973028	2154.07915	4927.77894	2081.33352
			400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
			5740.88482	9131.41101	621.614448	914.556591	600.973028	2154.07915	4927.77894	2081.33352
75.02	47.56	51.92	147.76	142.26	91.8	85.34	104.99	130.96	171.79	148.35
			5195.24962	7622.71609	549.954844	859.323104	559.683326	1885.68857	3540.2695	1721.20983
			5577.68644	9063.43155	621.614448	914.556591	600.973028	2140.3457	4201.4352	1991.37914
			6.259921	6.853075	1.82	2.1	1.68	2.788829	5.082145	2.533846
			83.765843	116.206122	7.98	11.06	8.12	23.665954	45.066351	21.567319
			71.78856	76.940764				84.141245	82.772266	77.974843
			4.307313	2.308222				0.841412	14.071285	3.898742

			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
			0.219285	0.3325	0.019606	0.030054	0.019901	0.061979	0.133928	0.055245
			400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
			400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
			2.194156	0.833877				0.134045	7.433648	0.97268
			145.236164	61.320277				11.278766	612.449203	78.198829
			4.77	4.86	0.45	0.71	0.53	1.16	1.84	0.9
			-400.39904	-1447.3746	-71.659603	-55.233486	-41.289702	-257.11181	-775.06024	-281.92486
			-5978.0855	-10510.806	-693.27405	-969.79008	-642.26273	-2397.4575	-4976.4954	-2273.304
			0.08	0.03					0.23	0.04
			1702.5344	2175.0168	134.6501	163.5556	120.5732	423.5944	1107.9598	448.179
			0.27	0.05		0.01			0.01	0.01
			283.5	52.5		10.5			10.5	10.5
			5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
			5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
			5056.98578	7631.53637	549.954844	848.823104	559.683326	1896.96734	4142.2187	1788.90866
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
			283.5	52.5		10.5			10.5	10.5
			5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
				0.01						
11.133899	11.109974	11.041973	10.799027	10.847007	10.924556	10.959528	11.070249	11.145194	11.121257	11.127976
0.300144	0.308577	0.318576	0.462327	0.437269	0.372885	0.304684	0.238489	0.263074	0.306205	0.303184
0.289446	0.29686	0.302784	0.447281	0.420932	0.358565	0.247606	0.194365	0.238121	0.295128	0.291565
916228.81	1132181.65	1307617.82	1592191.46	1315749.51	1253284.78	711996.235	828166.353	985001.11	1317581.76	1320586.95
4680.9072	5029.45029	4907.39779	5953.80387	5135.93467	5554.25796	3570.61919	4212.134	4615.93111	5104.02265	5343.97891
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
0.031491	0.035231	0.034928	0.032012	0.03485	0.033656	0.036867	0.035053	0.034784	0.034807	0.035207
443197.09	482212.511	497802.022	686296.159	583665.602	582380.022	363896.629	320686.641	372573.368	471145.332	484451.079
497873.73	539927.556	557181.708	906679.636	775790.752	695437.019	449275.459	380826.483	454746.657	590024.468	587392.143
2.674648	2.674891	2.69034	2.8424	2.846565	2.773353	2.725847	2.944028	2.857284	2.794481	2.766267
691697.06	753409.121	787065.005	1058047.27	897875.14	923908.68	548205.025	564086.023	614004.041	733191.359	759741.381
19.29268	32.280077	14.635303	4658.71449	2085.72334	495.043566	926.012488	313.524209	1300.77031	5501.66879	2171.12276
133056.09	141208.548	142305.728	139090.337	124315.311	143879.684	109841.496	121998.601	127612.755	138664.533	143968.726
353.87259	352.141017	348.788549	354.822288	353.168497	353.512737	298.482326	299.016178	332.324882	353.736053	352.864524

138029.6	146840	149776.8	143903.2	129219.2	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.1	366.184538	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
103.56194	101.993491	98.079387	215.427281	240.192356	162.559227	164.961695	107.665911	171.352713	218.733437	166.175198
30.987227	30.923376	30.907943	32.141796	32.290098	31.582932	31.067063	34.023058	33.197229	32.416863	32.071576
1277721	1381228.61	1446530.02	2102857.79	1788126.84	1729990.55	1083912.41	1037733.01	1158478.8	1419554.53	1445912.74
1077819.7	1230719.42	1325652.74	2995123.72	2377440.81	1888063.48	1131537.19	792946.821	973353.308	1359969.74	1317152.94
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1077819.7	1230719.42	1325652.74	2995123.72	2377440.81	1888063.48	1131537.19	792946.821	973353.308	1359969.74	1317152.94
1465.33	1408.65	1364.93	1802.55	1664.65	1660.03	1286.74	1110.65	1436.11	1894.51	1772.92
321974.48	213822.921	91238.2442	470119.811	438211.634	435757.332	326555.165	158671.759	129867.71	63665.0489	84024.8931
328852.1	233761.489	101795.388	661624.338	611983.775	540874.205	386356.782	172580.919	142380.432	75926.1393	95733.3492
16.727746	13.76215	9.864518	17.069133	19.121277	17.427299	19.668218	10.779825	11.019071	10.149711	9.385229
9888.6584	6588.61096	2815.15579	12558.8159	11600.1234	12917.5184	9607.41466	4630.11275	3519.57416	1450.98815	2180.02858
25.577434	25.470016	25.813981	38.452528	36.239557	30.114643	30.442226	25.381379	28.199241	35.988106	30.252368
23.754264	24.797818	25.711083	38.37176	36.14633	29.506444	29.062485	24.264851	27.154154	35.925946	30.129057
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
106.25589	108.70581	111.152308	164.197086	154.524204	131.952805	90.896331	71.351691	87.414244	108.341744	107.033691
-431208.8	-402338.8	-381044.13	550409.625	298879.039	-143101.36	-138861.13	-410577.61	-376710.22	-299882.84	-378524.54
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30063.558	37002.419	42534.9862	51806.4421	42792.3966	40787.2736	23842.4353	24481.3773	30047.4958	41018.9758	41489.7174
916228.81	1132181.65	1307617.82	1592191.46	1315749.51	1253284.78	711996.235	828166.353	985001.11	1317581.76	1320586.95
21.77	27.41	20.69	158.37	118.51	77.62	49.33	21.37	21.02	18.73	18.17
199901.37	150509.19	120877.283	-892265.93	-589313.97	-158072.93	-47624.778	244786.191	185125.495	59584.7886	128759.797
-128950.7	-83252.3	19081.8949	-1553890.3	-1201297.7	-698947.13	-433981.56	72205.2723	42745.063	-16341.351	33026.4479
206.94	274.92	333.16	185.66	176.57	210.77	206.91	291.89	289.87	350.66	351.07
	0.000227	0.010472				0.045948	0.112076	0.047111		0.000222
198290.08	243610.971	278506.383	302043.515	258955.8	250230.445	163613.478	125799.158	183963.478	276739.812	274004.032
3.53	3.32	4.86	5.12	4	3.93	4.46	3.28	4.22	3.75	3.85
39526.339	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
1509028.5	1633058.22	1706696.87	2444714.1	2078561.77	2031164.84	1270398.32	1203524.44	1350063.53	1659852.58	1695677.48
1509028.5	1633058.22	1706696.87	2444714.1	2078561.77	2031164.84	1270398.32	1203524.44	1350063.53	1659852.58	1695677.48
1189570.8	1293336.68	1344246.71	1964726.9	1673665.89	1619345.7	997480.483	944912.506	1068750.7	1323215.83	1347133.52
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
39526.339	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405

1509028.5	1633058.22	1706696.87	2444714.1	2078561.77	2031164.84	1270398.32	1203524.44	1350063.53	1659852.58	1695677.48
48623.899	52646.3928	54609.3537	96671.4409	79869.2674	69510.9867	40926.8298	41898.8894	46033.1845	57936.3124	57415.1771
146.97	97.23	53.54	47.81	56.7	119.39	109.56	84.91	70.43	22.34	38.25
1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
159601.29	324033.931	607268.233	298868.729	275633.68	231984.755	216105.842	308420.27	349122.161	669241.479	624643.297
797.71047	1426.55793	2273.7161	1106.09532	1058.11489	1015.54099	1081.37792	1560.01513	1621.01639	2606.58972	2517.4567
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73329.941	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
159601.29	324033.931	607268.233	298868.729	275633.68	231984.755	216105.842	308420.27	349122.161	669241.479	624643.297
204.51	273.46	332.55	184.17	175.58	209.35	206.8	299.57	290.67	349.99	350.19
118.11919	151.324773	193.757018	163.384025	166.449886	141.373935	136.021294	145.184358	165.680992	207.810321	202.182102
40.92324	56.957789	81.054683	58.571937	67.143642	52.303679	47.439617	54.879989	59.531584	87.72576	83.211452
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1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1884895.5	2552061.18	3410841.53	4514817.63	3577392.05	2980656.31	2269164.62	2094394.37	2283673.87	3305868.23	3188517.7
73329.941	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
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1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
159601.29	324033.931	607268.233	298868.729	275633.68	231984.755	216105.842	308420.27	349122.161	669241.479	624643.297
797.71047	1426.55793	2273.7161	1106.09532	1058.11489	1015.54099	1081.37792	1560.01513	1621.01639	2606.58972	2517.4567
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73329.941	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
159601.29	324033.931	607268.233	298868.729	275633.68	231984.755	216105.842	308420.27	349122.161	669241.479	624643.297
204.51	273.46	332.55	184.17	175.58	209.35	206.8	299.57	290.67	349.99	350.19
118.11919	151.324773	193.757018	163.384025	166.449886	141.373935	136.021294	145.184358	165.680992	207.810321	202.182102

40.92324	56.957789	81.054683	58.571937	67.143642	52.303679	47.439617	54.879989	59.531584	87.72576	83.211452
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1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
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73329.941	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
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1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4

4445.5653	4572.61791	4559.95109	4866.7509	4080.87244	4262.41947	4175.71418	4537.35998	3794.20451	3054.88367	3435.83249
104209.77	112082.183	116140.727	194795.192	151787.424	127240.172	117720.16	100084.909	86909.0204	72988.3461	83359.6347
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26.133516	26.221544	24.490947	31.955704	32.774612	26.740918	23.045845	20.32518	20.053846	21.534495	22.520772
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4445.5653	4572.61791	4559.95109	4866.7509	4080.87244	4262.41947	4175.71418	4537.35998	3794.20451	3054.88367	3435.83249
11.823311	11.403037	11.17635	12.41518	11.593387	10.472775	11.347049	11.12098	9.88074	7.79307	8.421158
104209.77	112082.183	116140.727	194795.192	151787.424	127240.172	117720.16	100084.909	86909.0204	72988.3461	83359.6347
104209.77	112082.183	116140.727	194795.192	151787.424	127240.172	117720.16	100084.909	86909.0204	72988.3461	83359.6347
4445.5653	4572.61791	4559.95109	4866.7509	4080.87244	4262.41947	4175.69946	4537.35998	3794.13736	3054.88367	3435.83249

-104209.8	-112082.18	-116140.73	-194795.19	-151787.42	-127240.17	-117720.16	-100084.91	-86909.02	-72988.346	-83359.635
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73329.941	89682.391	104991.15	104440.304	87994.1507	88611.6179	72813.2567	79973.8353	78378.8286	93924.9061	99782.6548
4445.5653	4572.61791	4559.95109	4866.7509	4080.87244	4262.41947	4175.71418	4537.35998	3794.20451	3054.88367	3435.83249
4445.5653	4572.61791	4559.95109	4866.7509	4080.87244	4262.41947	4175.71418	4537.35998	3794.20451	3054.88367	3435.83249
104209.77	112082.183	116140.727	194795.192	151787.424	127240.172	117720.16	100084.909	86909.0204	72988.3461	83359.6347
104209.77	112082.183	116140.727	194795.192	151787.424	127240.172	117720.16	100084.909	86909.0204	72988.3461	83359.6347
265129.1	289860.523	301463.418	316262.212	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
1370.1239	1301.19281	1146.26106	1193.26362	1145.55069	1501.30018	1685.97638	1723.77737	1256.5127	835.36874	878.070636
7051.306	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
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7051.306	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
18.753473	19.224579	19.699697	21.886893	21.183787	21.003087	23.061423	21.085545	17.168773	13.591428	13.275858
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7051.306	7709.05646	8017.33114	8101.19133	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
265129.1	289860.523	301463.418	316262.212	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
100610.82	100703.366	96338.4073	-7607.8449	18807.7413	80880.1272	94746.8898	146300.538	106241.459	73506.7685	76629.0131
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73329.941	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
265129.1	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
265129.1	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
7051.306	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
265129.1	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
265129.1	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
7051.306	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
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265129.1	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
259763.97	283759.319	295222.012	308955.423	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
1342.5208	1273.829	1122.60781	1165.69613	1118.42201	1466.06671	1644.43637	1682.53727	1229.18055	814.55664	856.628713
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7929.3032	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
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7929.3032	8661.76186	9011.12272	9103.47959	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
259763.97	283759.319	295222.012	308955.423	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
74779.69	71235.8036	64582.3568	-57750.531	-21754.238	41722.3425	57523.8246	114840.606	81727.3022	51782.2837	54866.5688
74779.69	71235.8036	64582.3568	-57750.531	-21754.238	41722.3425	57523.8246	114840.606	81727.3022	51782.2837	54866.5688
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73329.941	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
259763.97	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
259763.97	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
7929.3032	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
259763.97	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
259763.97	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
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184984.28	212523.515	231393.151	384610.688	306339.5	284574.207	266071.707	213408.344	170348.79	151314.458	151704.006
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259763.97	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
4337.9305	4438.18547	4472.34832	4823.15217	3974.60194	4146.75754	4122.99081	4433.93094	3882.8329	3052.32125	3526.09582
101623.92	108866.689	113665.295	192856.216	147958.395	123894.45	116132.031	97697.8179	88590.7346	73179.4085	85137.8092
		28.974683						24.399206		
		0.289746						0.487984		
4337.9305	4438.18547	4472.34832	4823.15217	3974.60194	4146.75754	4122.99081	4433.93094	3882.8329	3052.32125	3526.09582
11.537049	11.067794	10.961638	12.303959	11.291482	10.188593	11.203779	10.867477	10.111544	7.786533	8.642391
101623.92	108866.689	113665.295	192856.216	147958.395	123894.45	116132.031	97697.8179	88590.7346	73179.4085	85137.8092
101623.92	108866.689	113665.295	192856.216	147958.395	123894.45	116132.031	97697.8179	88590.7346	73179.4085	85137.8092
4337.9305	4438.18547	4472.34832	4823.15217	3974.60194	4146.75754	4122.99081	4433.93094	3882.8329	3052.32125	3526.09582
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73329.941	89682.391	108017.77	101762.619	87955.4968	91519.122	72813.2567	79973.8353	78365.393	94507.8224	99782.6548
4337.9305	4438.18547	4472.34832	4823.15217	3974.60194	4146.75754	4122.99081	4433.93094	3882.8329	3052.32125	3526.09582
4337.9305	4438.18547	4472.34832	4823.15217	3974.60194	4146.75754	4122.99081	4433.93094	3882.8329	3052.32125	3526.09582
101623.92	108866.689	113665.295	192856.216	147958.395	123894.45	116132.031	97697.8179	88590.7346	73179.4085	85137.8092
101623.92	108866.689	113665.295	192856.216	147958.395	123894.45	116132.031	97697.8179	88590.7346	73179.4085	85137.8092
4260.6925	4460.06769	4189.16291	4553.26553	3853.14727	4237.46279	3970.58585	4353.86028	3569.74714	2845.88706	3083.19424
100037.92	109309.19	107505.412	183186.753	143404.386	126177.856	111915.703	96401.6087	82726.9086	68854.5499	75591.4643
4260.6925	4460.06769	4189.16291	4553.26553	3853.14727	4237.46279	3970.58585	4353.86028	3569.74714	2845.88706	3083.19424
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4260.6925	4460.06769	4189.16291	4553.26553	3853.14727	4237.46279	3970.58585	4353.86028	3569.74714	2845.88706	3083.19424
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4260.6925	4460.06769	4189.16291	4553.26553	3853.14727	4237.46279	3970.58585	4353.86028	3569.74714	2845.88706	3083.19424
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124748.02	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
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2435.0581	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
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2435.0581	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
124748.02	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
68679.213	77641.6373	93881.8228	42188.8318	50034.1284	87540.6186	96686.3334	100563.193	112359.138	104441.801	104936.426
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124748.02	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
2435.0581	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
124748.02	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
124748.02	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
2435.0581	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
56068.811	69582.7269	92498.7072	143668.398	126685.384	116953.652	111031.533	74510.3851	88526.2176	99714.8719	99836.7462
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124748.02	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172

314930.01	298863.547	292905.024	338377.961	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
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218418.55	202758.073	196088.294	177374.085	112524.874	208079.351	220266.003	211489.087	204669.445	164932.189	170317.453
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73329.941	89682.391	108017.77	103807.125	88315.1109	91359.1056	72796.2584	79973.8353	80422.1293	97794.9565	98336.7621
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4189.5705	3975.83539	3909.25226	4665.07476	2790.39232	4341.76997	4441.70525	3821.66169	3704.40535	3098.8705	3221.2555
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314930.01	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736

4189.5705	3975.83539	3909.25226	4665.07476	2790.39232	4341.76997	4441.70525	3821.66169	3704.40535	3098.8705	3221.2555
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314930.01	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
964571.11	1019707.75	1075970.98	1149452.83	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
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807954.45	897626.935	964898.299	1622954.42	1251324.35	1158565.58	1081832.97	855059.933	749328.102	674645.908	708613.884
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513309.59	627776.737	749174.902	724828.066	624384.821	637566.334	508811.979	559816.847	554048.342	676834.878	697032.691
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34649.426	36691.3168	37840.1273	40756.9807	33982.7858	39133.7888	38778.1345	38830.0258	32885.7936	27343.6113	28761.0331
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1725294.2	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
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3380500.4	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
0.031491	0.035231	0.034928	0.032012	0.03485	0.033656	0.036867	0.035053	0.034784	0.034807	0.035207
443197.09	482212.511	497802.022	686296.159	583665.602	582380.022	363896.629	320686.641	372573.368	471145.332	484451.079
497873.73	539927.556	557181.708	906679.636	775790.752	695437.019	449275.459	380826.483	454746.657	590024.468	587392.143
2.674648	2.674891	2.69034	2.8424	2.846565	2.773353	2.725847	2.944028	2.857284	2.794481	2.766267
691697.06	753409.121	787065.005	1058047.27	897875.14	923908.68	548205.025	564086.023	614004.041	733191.359	759741.381
19.29268	32.280077	14.635303	4658.71449	2085.72334	495.043566	926.012488	313.524209	1300.77031	5501.66879	2171.12276
133056.09	141208.548	142305.728	139090.337	124315.311	143879.684	109841.496	121998.601	127612.755	138664.533	143968.726
353.87259	352.141017	348.788549	354.822288	353.168497	353.512737	298.482326	299.016178	332.324882	353.736053	352.864524
138029.6	146840	149776.8	143903.2	129219.2	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.1	366.184538	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
103.56194	101.993491	98.079387	215.427281	240.192356	162.559227	164.961695	107.665911	171.352713	218.733437	166.175198
30.987227	30.923376	30.907943	32.141796	32.290098	31.582932	31.067063	34.023058	33.197229	32.416863	32.071576
1277721	1381228.61	1446530.02	2102857.79	1788126.84	1729990.55	1083912.41	1037733.01	1158478.8	1419554.53	1445912.74
1077819.7	1230719.42	1325652.74	2995123.72	2377440.81	1888063.48	1131537.19	792946.821	973353.308	1359969.74	1317152.94
73329.941	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
-199901.4	-150509.19	-120877.28	892265.935	589313.974	158072.929	47624.7783	-244786.19	-185125.49	-59584.789	-128759.8
1885774.1	2128346.36	2290551.04	4618078.14	3628765.16	3046629.06	2213370.16	1648006.75	1722681.41	2034615.65	2025766.83
1465.33	1408.65	1364.93	1802.55	1664.65	1660.03	1286.74	1110.65	1436.11	1894.51	1772.92
321974.48	213822.921	91238.2442	470119.811	438211.634	435757.332	326555.165	158671.759	129867.71	63665.0489	84024.8931
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
159601.29	324033.931	607268.233	298868.729	275633.68	231984.755	216105.842	308420.27	349122.161	669241.479	624643.297
204.51	273.46	332.55	184.17	175.58	209.35	206.8	299.57	290.67	349.99	350.19
118.11919	151.324773	193.757018	163.384025	166.449886	141.373935	136.021294	145.184358	165.680992	207.810321	202.182102

3.147941	4.381368	6.754556	3.904795	4.476242	3.486911	3.162641	3.919999	3.968772	5.848384	5.54743
8,617	15,989	27,698	13,163	13,255	11,598	10,193	16,662	17,642	30,979	29,532
328852.1	233761.489	101795.388	661624.338	611983.775	540874.205	386357.009	172580.919	142381.405	75926.1393	95733.3492
6.433748	5.293134	3.288172	7.965595	8.923262	8.132739	9.178992	4.619925	5.146709	4.736531	4.379773
9,889	6,589	2,815	12,559	11,600	12,918	9,607	4,630	3,520	1,451	2,180
25.567738	25.467063	25.83458	38.393163	36.215841	30.043389	30.147358	24.701419	27.849607	35.941387	30.270454
23.754793	24.797793	25.734492	38.313635	36.12375	29.441296	28.841279	23.836346	26.860877	35.879636	30.14764
1271.7006	-9400.0442	-24827.5	681.934534	-1654.7099	1319.45876	-585.27219	-12032.319	-14122.666	-29527.586	-27351.876
3.382182	-23.441506	-60.851716	1.739628	-4.70088	3.241913	-1.590413	-29.490979	-36.777777	-75.325474	-67.038911
-5693620	-6348723.8	-6966604.4	-6853618.9	-5956227	-6684527.3	-5699391.6	-6227405.2	-6089180.3	-6720863.6	-6856903.9
-77.65712	-70.803502	-64.514762	-65.638025	-66.179983	-73.054066	-78.290687	-77.875562	-75.59579	-67.68861	-68.750798
-5693620	-6348723.8	-6966604.4	-6853618.9	-5956227	-6684527.3	-5699391.6	-6227405.2	-6089180.3	-6720863.6	-6856903.9
64712.983	73693.7358	80319.4612	91277.7444	76775.1823	79921.0623	62620.5551	63311.4031	62933.2223	68362.5871	70250.7505
1880799.9	2151889.4	2383588.81	2741644.29	2283536.16	2452760.32	1917284.36	1962235.37	1981099.89	2171868.41	2191861.38
5462312.6	6096894.23	6706437.55	6511762.61	5665792.08	6383353.01	5512905.69	6061613.8	5897595.58	6480565.54	6607139.17
5293061.8	6187166.68	7211910.4	6149007	5329441.99	6074463.56	5342654.52	6197453.15	6104336.33	7073880.88	7136049.12
	0.000227	0.010472				0.045948	0.112076	0.047111		0.000222
784929.61	961070.099	1135699.05	1131311.88	973370.637	979315.9	745238.714	765589.84	818587.35	1052915.85	1070819.38
3.53	3.32	4.86	5.12	4	3.93	4.46	3.28	4.22	3.75	3.85
39526.339	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
7579394.2	8477070.2	9257155.44	11471697.1	9584992.17	9731156.35	7912761.76	7875411.98	7811861.72	8755479.24	8882670.74
4198893.8	4880793.22	5588747.92	7866983.8	6348106.79	5979311.94	4528745.22	4123567.56	4280714.03	5150765.97	5130826.32
1189570.8	1293336.68	1344246.71	1964726.9	1673665.89	1619345.7	997480.483	944912.506	1068750.7	1323215.83	1347133.52
74601.642	80282.3468	83190.2693	105122.239	88375.3058	92838.5808	72227.9845	67941.5158	66452.8636	69813.5753	72430.7791
39526.339	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
4198893.8	4880793.22	5588747.92	7866983.8	6348106.79	5979311.94	4528745.22	4123567.56	4280714.03	5150765.97	5130826.32
48623.899	52646.3928	54609.3537	96671.4409	79869.2674	69510.9867	40926.8298	41898.8894	46033.1845	57936.3124	57415.1771
964571.11	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
34649.426	36691.3168	37840.1273	40756.9807	33982.7858	39133.7888	38778.1345	38830.0258	32885.7936	27343.6113	28761.0331
807954.45	897626.935	964898.299	1622954.42	1251324.35	1158565.58	1081832.97	855059.933	749328.102	674645.908	708613.884
-156616.7	-122080.82	-113579.45	416633.62	283537.7	-40909.961	-123455.16	-279009.09	-246770.68	-179640.74	-162660.55
964571.11	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437

2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07
3531147.69	3457582.1	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.9	3976955.08	3451696.86	3526733.75
-3531147.7	-3457582.1	-3825410	-3604897.2	-3826881.3	-3301623.1	-3676807.5	-3451696.9	-3976955.1	-3451696.9	-3526733.8
-3531147.7	-3457582.1	-3825410	-3604897.2	-3826881.3	-3301623.1	-3676807.5	-3451696.9	-3976955.1	-3451696.9	-3526733.8
3531147.69	3457582.1	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.9	3976955.08	3451696.86	3526733.75
3531147.69	3457582.1	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.9	3976955.08	3451696.86	3526733.75
3531147.69	3457582.1	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.9	3976955.08	3451696.86	3526733.75

22.160352	24.580448	25.860484	26.990415	40.944348	37.334304	30.344395	28.654327	22.664347	23.664364	26.194364
22.850262	22.850162	22.850162	22.850182	23.307244	23.307145	23.307224	23.307185	23.307126	23.307027	23.307185
22.038334	24.458391	25.738412	26.868371	40.820706	37.21068	30.220734	28.530694	22.540706	23.540716	26.070716
22.132194	24.552281	25.832314	26.962251	40.915815	37.305775	30.315858	28.625796	22.635814	23.63583	26.16583
21.428243	23.848105	25.128052	26.258153	40.202499	36.592562	29.602431	27.912529	21.922501	22.922475	25.452476
21.700437	24.120386	25.400367	26.530404	40.478314	36.868338	29.87829	28.188326	22.198315	23.198306	25.728306
$ 22.11	$ 24.53	$ 25.81	$ 26.94	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62	$ 26.15
$ 22.15	$ 24.57	$ 25.85	$ 26.98	$ 40.93	$ 37.32	$ 30.33	$ 28.64	$ 22.65	$ 23.65	$ 26.18

21.054286	21.054286	21.054286	21.054286	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371
1.15	1.15	1.15	1.15	1.18	1.18	1.18	1.18	1.18	1.18	1.18
21.86	24.28	25.56	26.69	40.64	37.03	30.04	28.35	22.36	23.36	25.89
4.687947	4.758923	5.539234	6.177745	6.160472	6.182588	5.560971	5.043491	4.751148	4.771879	4.808721
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
0.035885	0.032393	0.032908	0.03778	0.033308	0.042471	0.031887	0.035027	0.027405	0.027961	0.024202
8329.95	8185.95	9051.975	8486.775	8874.225	7583.625	8538.75	7989.975	9278.55	8048.475	8255.25
21.692578	21.771143	21.707374	21.649936	21.750551	21.544389	21.838235	21.711888	21.883372	21.870855	21.955452
8640	8460	9360	8820	9180	7920	8820	8280	9540	8280	8460
22.5	22.5	22.446043	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5

17.61					4	1.68		9.7	3.66	3.96

2.8257	0.65933	1.60123	0.65933	7.723579	7.911959	6.31073	6.593299	1.8838	3.95598	7.158439
0.014703	0.001723	0.002097	0.000469	0.100703	0.086769	0.02421	0.025045	0.006072	0.018478	0.037722
0.014375	0.001702	0.002043	0.000459	0.098504	0.08446	0.023622	0.024429	0.005825	0.017961	0.036755
2366.05867		564.076944	195.649585	23796.5075	13213.9657	2388.88509	1653.7156	983.001224	3959.05189	27319.4166
9.900695		2.287769	0.639755	83.625362	48.746012	9.46387	7.601203	4.672455	13.638448	89.685971
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56

0.033854	0.028776	0.029423	0.027397	0.027843	0.026761	0.02653	0.025	0.030188	0.035298	0.025
3015.58704	349.63328	464.3567	98.33436	21955.8774	16241.5585	5058.75652	4911.255	1349.36594	3611.05622	7549.89364
14865.7521	1731.1481	2731.49042	672.678189	101971.978	76914.9646	26279.8448	25220.215	6588.62883	18515.354	38235.8562
1.465594	0.34474	0.993724	0.464948	3.869325	4.122695	3.402909	3.531353	0.972895	2.13283	3.773495
405.350447		83.660643	25.01622	4216.80121	2282.74393	400.756741	269.28549	167.960721	652.046938	4578.45482
21518	21180.44	23418.08	22113.08	23005.12	19869.64	22132.8	20810.4	23849.6	20590.58	21262.8
56.036458	56.330957	56.158465	56.410918	56.385098	56.44784	56.605626	56.55	56.249056	55.952663	56.55
22272	21808	24128	22736	23664	20416	22736	21344	24592	21344	21808
58	58	57.860911	58	58	58	58.148337	58	58	58	58
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
16.38666	3.881631	10.917241	4.965248	43.759619	46.165335	38.107195	39.609894	10.874168	23.684379	42.206517
16.38666	3.881631	10.917241	4.965248	43.759619	46.165335	38.107195	39.609894	10.874168	23.684379	42.206517
17580.5833	2055.002	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.05	7819.58503	21803.4822	45180.5438
21859	2240.7758	3354.75862	801.339706	141222.939	111625.44	35648.8158	33575.636	8914.05681	26340.3068	55847.6819
4278.41669	185.77384	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.5859	1094.47177	4536.82466	10667.1382
21859	2240.7758	3354.75862	801.339706	141222.939	111625.44	35648.8158	33575.636	8914.05681	26340.3068	55847.6819
94.73	132.69	104.31	99.27	270.46	247.21	202.66	191.66	130.8	162.51	254.25
15214.5246	2055.002	2601.98697	564.411403	98430.4295	78633.329	28624.3749	28166.335	6836.58381	17844.4303	17861.1272
18878.1884	2240.7758	2761.00535	595.567996	113486.388	95272.119	32821.0375	31664.455	7781.70327	21624.3482	22347.7824
15.558658	4.06	7.58153	2.915162	40.846812	44.854719	36.999897	39.395326	10.187572	20.056589	24.696162
277.124598	37.12	40.417884	7.784068	1883.32903	1481.98477	494.532304	492.8304	125.427881	314.15323	315.472855
56.072233		61.683984	70.493867	55.344289	56.0426	61.242711	59.399194	55.539708	57.418487	57.955084
10.093002		5.508528	4.229553	42.550008	41.979927	21.96916	11.217603	7.214901	19.52222	43.944779
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
0.83375	0.098723	0.118225	0.026632	5.713284	4.898693	1.373606	1.416902	0.337877	1.041793	2.131808
4278.41669	185.77384	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.5859	1094.47177	4536.82466	10667.1382
4278.41669	185.77384	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.5859	1094.47177	4536.82466	10667.1382
43.035401		8.882115	2.655931	447.690966	242.355232	42.547695	28.589604	17.832118	69.226769	486.087144
2366.05867		564.076944	195.649585	23796.5075	13213.9657	2388.88509	1653.7156	983.001224	3959.05189	27319.4166
3.39	0.57	0.77	0.18	27.53	17.88	7.13	7.84	1.95	4.23	5.58
-4278.4167	-185.77384	-188.6947	-41.278717	-18996.002	-19778.145	-4635.5558	-3755.5859	-1094.4718	-4536.8247	-10667.138
-23156.605	-2426.5496	-2949.7001	-636.84671	-132482.39	-115050.26	-37456.593	-35420.041	-8876.175	-26161.173	-33014.921
0.24		0.08		2.25	1.12	0.22	0.23	0.06	0.38	3.85
1215.874	135.1265	206.4523	53.195	11139.0825	7811.5134	2233.7164	1907.7166	519.0374	1715.1905	4102.1037
0.08	0.03	0.05		0.83	0.5	0.34	0.34	0.02	0.04	0.24

35.092	13.1595	21.9325		371.3586	223.71	152.1228	152.1228	8.9484	17.8968	107.3808
17580.5833	2055.002	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.05	7819.58503	21803.4822	45180.5438
17580.5833	2055.002	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.05	7819.58503	21803.4822	45180.5438
14865.7521	1731.1481	2731.49042	672.678189	101971.978	76914.9646	26279.8448	25220.215	6588.62883	18515.354	38235.8562
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
35.092	13.1595	21.9325		371.3586	223.71	152.1228	152.1228	8.9484	17.8968	107.3808
17580.5833	2055.002	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.05	7819.58503	21803.4822	45180.5438
2679.7392	310.6944	412.641	87.3828	19883.6006	14708.6202	4581.2924	4447.7126	1222.0078	3270.2314	6837.3068
				0.5	0.48	0.25				
11.206278	11.144479	11.13793	11.071427	10.767729	10.806966	10.973697	10.99199	11.219141	11.23778	11.135891
0.510639	0.538764	0.5341	0.577292	0.81037	0.758651	0.628098	0.605435	0.502842	0.494496	0.532776
0.490291	0.522469	0.509247	0.557578	0.785709	0.734108	0.60374	0.584103	0.484779	0.47566	0.515288
495303.532	431986.98	602963.165	730064.494	851758.749	679418.59	566651.786	360099.09	587957.54	541807.98	718395.459
2515.82718	2153.5273	2612.40209	2688.83908	3108.43633	2598.42057	2463.46892	1773.5929	2929.62333	2546.28271	2767.7891
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
0.041562	0.030851	0.046394	0.03528	0.031397	0.033465	0.038418	0.036331	0.037311	0.038913	0.033803
233332.511	242329.79	261310.6	267501.733	380621.15	308383.095	287207.486	261716.22	255337.236	217886.977	239141.424
268731.409	280510.25	301499.017	309481.931	448037.67	363102.027	340528.733	309591.95	301151.285	258166.751	283362.281
2.9262	2.9262	2.9262	2.9262	2.983499	2.9835	2.9835	2.9835	2.9835	2.9835	2.9835
414445.207	430426.16	464139.888	475136.579	686450.244	556168.912	517978.701	472005.2	460500.704	392959.162	431291.558
40852.44	40448.4	44033.7	41976.87	43866.09	37764.42	41840.34	39363.93	45307.98	39258.48	40325.19
106.386562	107.57553	105.596402	107.083852	107.514926	107.285284	107.008542	106.9672	106.858443	106.680652	107.247845
42624	41736	46176	43512	45288	39072	43512	40848	47064	40848	41736
111	111	110.733812	111	111	111	111.283887	111	111	111	111
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
34.890124	34.556577	34.632706	34.352819	34.010932	34.136757	34.715673	34.791858	35.579528	35.622298	35.209471
34.399734	34.210795	34.196071	33.998461	33.769155	33.88637	34.372746	34.43064	35.11412	35.160676	34.855794
726039.71	753062.22	813222.493	831458.8	1200348.99	972521.89	910129.905	828490.07	808903.335	691357.949	756997.121
553842.811	613266.79	687941.546	742506.882	1610047.22	1205088.78	920032.325	791468.02	599221.729	538596.268	668849.97
-172196.9	-139795.42	-125280.95	-88951.918	409698.222	232566.89	9902.42037	-37022.045	-209681.61	-152761.68	-88147.151
553842.811	613266.79	687941.546	742506.882	1610047.22	1205088.78	920032.325	791468.02	599221.729	538596.268	668849.97
368.04	364.4	396.7	378.17	395.19	340.22	376.94	354.63	408.18	353.68	363.29
221519.138	314056.76	200534.928	93614.7863	341085.625	286892.58	334938.379	460627.57	211112.155	141182.749	31528.3418
227850.095	325807.06	224346.558	104920.896	498921.71	397197.282	411401.592	522360.32	212835.369	143782.804	37824.3359

42.214244	52.440344	45.44777	32.315593	43.747745	46.02906	52.525427	61.415976	43.251932	35.592911	26.840411
6656.11876	9420.9421	6073.79718	2846.85679	10307.2275	8645.86964	9973.67565	13649.662	6244.30455	4127.63353	939.972956
23.269705	25.245269	25.142333	26.139782	31.740036	30.150285	27.354728	27.768	23.730498	24.519816	24.256987
20.332643	22.50952	24.169894	25.986833	31.644663	29.932996	26.23464	24.105075	21.276134	22.067658	24.145595
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
54.422317	57.994127	56.390944	61.891193	87.213745	81.485988	67.186593	64.835489	53.810551	52.798277	57.197005
-294159.8	-266461.2	-261868	-228775.07	210747.547	71375.0458	-140220.93	-173821.11	-343146.38	-266651.2	-213146.37
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14242.0512	12384.85	17441.2268	21414.4912	25275.9805	20037.1984	16296.2823	10209.798	16571.3695	15302.1325	20566.101
495303.532	431986.98	602963.165	730064.494	851758.749	679418.59	566651.786	360099.09	587957.54	541807.98	718395.459
18.9	22.65	27.4	19.67	122.19	78.77	53.68	43.24	13.83	13.73	7.57
172196.899	139795.42	125280.948	88951.9181	-409698.22	-232566.89	-9902.4204	37022.045	209681.605	152761.682	88147.151
-55653.197	-186011.64	-99065.61	-15968.978	-908619.93	-629764.17	-421304.01	-485338.27	-3153.7637	8978.87754	50322.8151
213.75	187.21	260.44	290.65	164.07	152.41	191.05	128.1	262.59	233.32	309.99
69298.1658	70856.641	88185.7397	99366.6612	104808.711	86088.3967	83524.8498	69227.719	79233.8645	72505.0801	90467.0295
1.09	0.83	1.15	0.92	0.87	0.72	0.99	0.9	1.14	0.97	0.82
9217.04	7018.48	9724.4	7779.52	7504.62	6210.72	8539.74	7763.4	9833.64	8367.22	7073.32
848002.613	879728	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.13	942368.108	805247.472	881996.343
848002.613	879728	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.13	942368.108	805247.472	881996.343
683176.616	710936.41	765638.905	784618.51	1134487.91	919270.938	858507.434	781597.15	761651.989	651125.913	714653.84
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
9217.04	7018.48	9724.4	7779.52	7504.62	6210.72	8539.74	7763.4	9833.64	8367.22	7073.32
848002.613	879728	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.13	942368.108	805247.472	881996.343
33646.0537	35107.325	37859.1886	39060.7703	58356.4611	47040.2315	43082.7311	39129.514	37417.7054	31864.8162	35269.9614
116.76	144.74	94.07	56.61	60.43	71.03	112.03	163.64	116.23	88.95	21.99
0.032005	0.025558	0.029302	0.026734	0.031519	0.029318	0.029744	0.039103	0.02783	0.031494	0.039122

1115.13	1099.17	1211.43	1144.56	1185.42	1025.04	1141.02	1060.83	1236.6	1069.23	1083.87
2.903984	2.923324	2.905107	2.919795	2.905441	2.912045	2.918209	2.88269	2.916509	2.905516	2.882632
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3

11.75404	11.514138	11.493803	11.418235	11.254437	11.271902	11.393967	11.408629	11.714196	11.711629	11.590605
0.612642	0.683327	0.699447	0.739383	0.856315	0.831212	0.754811	0.730982	0.609519	0.610404	0.645904
0.510551	0.649287	0.662526	0.647896	0.816798	0.789421	0.719226	0.691792	0.371576	0.584485	0.618777
224823.187	278064.7	314418.352	287033.432	377517.159	315757.091	324880.121	290556.01	184733.747	254575.951	273612.272
1170.64041	1402.79	1367.19657	1056.65357	1391.71041	1219.80333	1424.85805	1445.7165	921.774333	1199.96901	1058.99813
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
0.050833	0.051143	0.051177	0.04977	0.047647	0.051193	0.04801	0.052282	0.052358	0.04432	0.042845
97952.3063	120432.67	135634.323	123668.769	159988.576	133755.302	137398.956	124463.9	78751.9434	107831.092	115740.886
112685.09	138754.32	156327.957	142733.82	188228.565	157539.853	162587.838	146982.92	92734.4044	127708.538	137062.499
2.2241	2.2241	2.2241	2.2241	2.2673	2.2673	2.2673	2.2673	2.267299	2.267299	2.2673
105210.572	129356.73	145684.826	132832.625	173955.579	145432.14	149393.885	135329.6	85626.988	117244.747	125845.066
13758.28	15341.11	16931.68	14730.08	16708.08	14361.14	16046.74	14957.12	11127.54	15122.67	15475.27
35.828854	40.800824	40.603549	37.576734	40.951176	40.798693	41.040255	40.644347	26.244198	41.094211	41.157632
16512	16168	17888	16856	17544	15136	16856	15824	18232	15824	16168
43	43	42.896882	43	43	43	43.109974	43	43	43	43
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
28.369629	27.227771	27.156423	27.413545	27.039148	27.107496	27.354973	27.490186	28.837898	28.236869	27.876347
27.187516	26.652214	26.609647	26.437013	26.595122	26.632785	26.895289	26.934178	27.63665	27.614485	27.339166
235698.634	284613.11	320479.893	296277.471	383106.247	320791.537	330116.084	299614.82	193332.532	260140.043	278646.719
217121.781	283718.35	332563.896	321079.827	622726.497	475779.743	400940.779	345413.75	174540.092	249646.077	296658.059
-18576.853	-894.76428	12084.0033	24802.3562	239620.25	154988.206	70824.6951	45798.927	-18792.44	-10493.965	18011.3404
217121.781	283718.35	332563.896	321079.827	622726.497	475779.743	400940.779	345413.75	174540.092	249646.077	296658.059
319.96	356.77	393.62	342.56	388.56	333.98	373.18	347.84	258.78	351.69	359.89
1924.20554	1068.911	38.27532				73.522093	3469.7235	876.456258	273.656505	
2071.9112	1194.8467	40.022954				82.713916	4500.9044	1023.55971	238.532609	
8.080399	5.409636	0.477111				0.658281	8.287362	4.67608	2.72894	
73.97439	41.499383	1.505422				2.811424	132.10053	33.912032	10.001157	
25.120513	24.928976	26.107679	25.265664	39.800195	36.251466	28.023571	26.78583	25.483881	25.446698	24.634812
18.634287	20.617163	11.990769	5.305789	10.34805	10.875439	12.01454	25.668141	18.70086	14.10809	5.419658
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
21.953697	27.919361	28.420335	27.85954	35.122352	33.945142	31.005856	29.747092	15.977806	25.13288	26.607446
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8356.24561	10456.181	11849.7746	10920.94	14329.92	11948.69	12120.4786	10814.829	6740.67797	9238.89884	10004.4
224823.187	278064.7	314418.352	287033.432	377517.159	315757.091	324880.121	290556.01	184733.747	254575.951	273612.272
18576.8527	894.76428	-12084.003	-24802.356	-239620.25	-154988.21	-70824.695	-45798.927	18792.4404	10493.9654	-18011.34
16504.9415	-300.08245	-12124.026	-24802.356	-239620.25	-154988.21	-70907.409	-50299.832	17768.8806	10255.4328	-18011.34
3.3	2.78	4.55	1.96	3.06	3.06	3.27	5.05	1.75	3.23	2.51
0.122395		0.002403	0.079081				0.002717	0.356132		
57916.2616	67988.645	87065.2816	87444.8149	101940.923	83118.9792	82067.7863	66950.305	48399.7562	71277.2546	88509.3051
2.14	1.31	1.44	2.21	1.31	1.18	1.21	1.31	1.81	1.24	1.18
8951.24122	5479.4981	6023.26512	9244.03883	5589.0888	5034.4464	5162.4408	5589.0888	7722.3288	5290.4352	5034.4464
286898.305	347563.27	391375.953	360919.136	466732.276	390705.434	401934.518	364672.1	234496.173	316503.355	339144.48
286898.305	347563.27	391375.953	360919.136	466732.276	390705.434	401934.518	364672.1	234496.173	316503.355	339144.48
217895.662	268111.05	302012.784	275566.445	362184.144	302971.993	311981.723	282312.52	178361.392	244953.285	262907.564
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
8951.24122	5479.4981	6023.26512	9244.03883	5589.0888	5034.4464	5162.4408	5589.0888	7722.3288	5290.4352	5034.4464
286898.305	347563.27	391375.953	360919.136	466732.276	390705.434	401934.518	364672.1	234496.173	316503.355	339144.48
8851.731	11022.564	12443.844	11466.987	15333.0144	12785.0983	12971.9203	11713.215	7248.8113	9896.323	10704.708
0.08	0.01						0.09	0.01		
0.029244	0.031861	0.034663	0.028647	0.022892	0.032159	0.029438	0.026711	0.022193	0.04682	0.035132
1118.31	1092.06	1204.74	1142.31	1195.98	1022.04	1141.38	1074.51	1243.77	1052.31	1088.37
2.912265	2.904414	2.889064	2.914056	2.931323	2.903522	2.91913	2.919864	2.933419	2.859538	2.894601
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3

1.978116	0.14		8.562911	9.58818	4.500484	2.945788	0.981666	3.941488	6.630598
0.004538	0.000157		0.020377	0.02536	0.003722	0.002071	0.000985	0.004475	0.0105
0.004296	0.000148		0.020029	0.02471	0.003668	0.002038	0.000924	0.004402	0.01017
278.408761			1178.57321	1122.75632	96.051501	61.568677	56.726964	91.140996	3123.67342

1.205937				4.084669	4.073601	0.366621	0.307317	0.266996	0.316317	10.152759
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
0.026614	0.026861	0.029843	0.028545	0.023602	0.028877	0.024119	0.034157	0.032393	0.019796	0.036263
1174.5	39.2			5759.4	6157.3	1017.1	527.1	275.6	1143	2712.8
5779.77722	205.575			22580.6673	26250.2623	4476.88615	2735.3473	1316.41519	5887.2965	13840.7008
0.690724	0.052442			2.507653	3.008061	1.486626	1.074189	0.33913	1.420545	2.357548
57.790482				261.070836	243.875633	22.85341	11.577288	10.854022	17.796846	621.820554
18653	18259.3	20217.5	18964.9	19899	17067	19121.7	17725.3	20513.7	18026.3	18161.3
48.57552	48.561968	48.483213	48.379846	48.772058	48.485795	48.904603	48.166576	48.381367	48.98451	48.301329
19200	18800	20800	19600	20400	17600	19600	18400	21200	18400	18800
50	50	49.880095	50	50	50	50.127877	50	50	50	50
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
17.36258	0.751285			42.31291	64.121987	27.020561	16.88638	5.538795	29.461437	52.240304
9.794929	0.751285			35.680148	42.879574	20.979696	15.153593	4.780282	20.005495	33.355059
5811.13422	210.36			22799.6493	26402.8503	4495.79915	2750.8443	1321.78419	5890.9565	13874.8648
6785.64976	217.57055			25492.9103	30870.1924	5244.03369	3010.1249	1434.89995	6596.92647	16364.868
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
6785.64976	217.57055			25492.9103	30870.1924	5244.03369	3010.1249	1434.89995	6596.92647	16364.868
136.47	137.22	110.36	108.81	280.87	303.67	238.38	166.01	173.28	242.88	368.36
5532.72546	210.36			21621.0761	25280.094	4399.74765	2689.2756	1265.05722	5799.8155	10751.1914
6453.4974	217.57055			24220.9387	29572.7521	5139.06477	2944.8831	1373.58943	6502.99366	12742.608
3.155357	0.4			12.397654	14.780074	6.756891	4.097754	1.399846	5.833882	8.322096
78.393536	2.8			389.952083	417.57999	70.267613	36.67305	18.824712	79.728796	146.955611
74.137363				60.042714	66.617711	56.5098	70.360409	73.058881	70.058372	72.540295
2.965494				14.392015	16.654427	2.82549	1.407208	2.191766	2.802334	28.288709
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
0.214843	0.007446			1.00147	1.235511	0.183887	0.101902	0.046226	0.220108	0.50851
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
4.106463				18.647916	17.320009	1.632386	0.826949	0.775287	1.271203	44.244388
278.408761				1178.57321	1122.75632	96.051501	61.568677	56.726964	91.140996	3123.67342
1.16	0.05			5.63	5.66	1.1	0.53	0.29	1.12	2.39
-974.51554	-7.210554			-2693.261	-4467.3421	-748.23454	-259.28062	-113.11576	-705.96997	-2490.0031
-7428.0129	-224.78111			-26914.2	-34040.094	-5887.2993	-3204.1637	-1486.7052	-7208.9636	-15232.611
0.02				0.18	0.11	0.02	0.01			0.3

571.7982	15.5766			3118.4561	3333.9766	502.264	212.3241	108.4727	579.738	1682.1657
0.04	0.01			0.37	0.2	0.03	0.03	0.01		0.04
23.557	4.785			203.122	124.65	14.643	14.643	4.881		19.524
5811.13422	210.36			22799.6493	26402.8503	4495.79915	2750.8443	1321.78419	5890.9565	13874.8648
5811.13422	210.36			22799.6493	26402.8503	4495.79915	2750.8443	1321.78419	5890.9565	13874.8648
5779.77722	205.575			22580.6673	26250.2623	4476.88615	2735.3473	1316.41519	5887.2965	13840.7008
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
23.557	4.785			203.122	124.65	14.643	14.643	4.881		19.524
5811.13422	210.36			22799.6493	26402.8503	4495.79915	2750.8443	1321.78419	5890.9565	13874.8648
7.8				15.86	27.938	4.27	0.854	0.488	3.66	14.64
				0.05	0.09	0.03				

0.023229	0.024734	0.033581	0.03426	0.03348	0.034659	0.025484	0.021711	0.035778	0.02557	0.039414

1500.32	1466.8	1608.12	1514.28	1577.36	1359.2	1528.04	1440.04	1635.32	1434.36	1444.72
3.907083	3.901063	3.856402	3.862959	3.866078	3.861363	3.90803	3.913152	3.856886	3.897717	3.84234
1536	1504	1664	1568	1632	1408	1568	1472	1696	1472	1504
4	4	3.990407	4	4	4	4.01023	4	4	4	4

10.661704	10.476534	10.498424	10.45002	10.202036	10.222827	10.3534	10.352532	10.647399	10.661234	10.519115
0.38006	0.439911	0.436991	0.489851	0.730583	0.682319	0.548971	0.515092	0.34031	0.36071	0.407557
0.359583	0.415189	0.416348	0.465541	0.697656	0.643025	0.519271	0.482831	0.248426	0.343538	0.384106
235767.834	253886.65	309723.118	331560.961	511117.281	406524.045	358746.407	265757.88	179520.982	234154.807	270805.523
1197.38887	1266.989	1333.00295	1220.41166	1883.50899	1568.02598	1558.66264	1308.1669	891.182216	1078.11514	1025.67736
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
0.057317	0.059255	0.04899	0.051785	0.047083	0.057642	0.056964	0.061059	0.064764	0.04951	0.060106
85281.2138	95221.145	105789.595	110586.205	168227.878	134303.443	122413.143	107290.48	65120.1404	78428.3339	88705.795
98323.3264	110682.31	122452.929	128525.791	197991.83	158343.177	145397.32	127252.97	76775.0818	93269.1219	105435.768
2.9367	2.9367	2.9367	2.9367	2.9942	2.9942	2.9942	2.9942	2.9942	2.994199	2.9942
152371.945	170131.62	189014.27	197584.373	305199.016	243653.306	222081.924	194646.4	118140.959	142284.683	160930.053

21212.614	20727.992	23183.332	21781.62	22783.094	19438.206	21662.662	20194.732	18054.66	20497.108	20709.24
55.241182	55.127638	55.59552	55.565357	55.840916	55.222176	55.403227	54.876989	42.581745	55.698663	55.077765
22502.4	22033.6	24377.6	22971.2	23908.8	20627.2	22971.2	21564.8	24846.4	21564.8	22033.6
58.599999	58.599999	58.459472	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
35.620018	34.86753	34.491022	34.137888	33.177601	33.536074	34.07971	34.228047	41.024962	36.843515	35.49429
31.835603	31.286889	31.355511	31.209466	31.092287	31.153721	31.531938	31.533839	32.422185	32.451425	32.026037
280219.823	313365.17	343220.997	356824.326	537745.362	434512.645	399274.215	353649.8	243343.947	267617.562	296870.29
236415.252	277073.33	318035.225	344233.374	773748.448	567758.145	440070.045	365095.77	177424.979	226577.522	288178.567
-43804.572	-36291.836	-25185.772	-12590.952	236003.086	133245.5	40795.8302	11445.974	-65918.968	-41040.04	-8691.7223
236415.252	277073.33	318035.225	344233.374	773748.448	567758.145	440070.045	365095.77	177424.979	226577.522	288178.567
361.99	353.72	395.62	371.7	388.79	331.71	369.67	344.48	308.1	349.78	353.4
19215.9314	31775.774	7123.35167	217.051964	1080.84091	2634.89927	15174.1072	61764.059	18728.2151	5399.49826	130.447289
21174.5952	35890.975	8299.74156	233.679347	1558.85984	3722.25567	19104.5747	76798.79	20940.1374	5454.96223	145.945076
16.483284	18.802584	12.012897	2.297092	5.055417	7.746195	14.297061	24.02701	17.231514	11.219089	1.234887
631.799761	1045.1359	233.301042	6.921559	35.059547	85.629226	491.448326	2001.5829	607.516439	169.85573	4.093646
25.206912	27.991225	27.529492	27.154667	35.49536	32.108661	29.712812	29.556575	27.015895	25.781327	25.482737
22.044545	26.840029	26.931996	26.33089	33.712889	31.362234	28.444324	28.088373	24.271554	23.293936	22.397335
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
21.071609	24.330079	24.339491	27.28075	40.882696	37.681301	30.507104	28.293945	14.557811	20.131342	22.508611
-88381.062	-86063.928	-80481.994	-70394.361	148070.374	63045.09	-23189.52	-44634.762	-99957.266	-82034.53	-55058.241
-88381.062	-86063.928	-80481.994	-70394.361	148070.374	63045.09	-23189.52	-44634.762	-99957.266	-82034.53	-55058.241
7459.69824	8102.9741	9916.26696	10687.1324	16645.0805	13178.1888	11436.8297	8410.5891	5564.99556	7238.47827	8459.14435
235767.834	253886.65	309723.118	331560.961	511117.281	406524.045	358746.407	265757.88	179520.982	234154.807	270805.523
0.19	0.39	0.55	0.01	0.31	0.29	0.88	1.39	0.09	0.04	
43804.5717	36291.836	25185.7725	12590.9517	-236003.09	-133245.5	-40795.83	-11445.974	65918.9682	41040.0402	8691.72226
22629.9765	400.86151	16886.0309	12357.2723	-237561.95	-136967.76	-59900.405	-88244.764	44978.8309	35585.078	8545.77718
21.93	14.85	26.04	22.33	17.09	15.94	19.96	13.02	14.77	21.03	19.67
							0.002717	0.224056		
63535.7236	63728.706	82138.9738	91068.1372	96215.5299	77829.8423	76769.1332	62868.871	50428.5613	67024.6508	82013.805
1.33	1.46	1.39	1.32	1.32	1.31	1.31	1.35	2.33	1.45	1.34
25236.0584	27702.741	26374.5272	25046.3136	25547.2404	25353.7007	25353.7007	26127.86	45094.7501	28063.2565	25934.3198
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.53	277382.244	308612.052	343236.809
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.53	277382.244	308612.052	343236.809
250695.271	280813.93	311467.199	326110.164	503190.846	401996.483	367479.244	321899.36	194916.04	235553.805	266365.821

8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
25236.0584	27702.741	26374.5272	25046.3136	25547.2404	25353.7007	25353.7007	26127.86	45094.7501	28063.2565	25934.3198
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.53	277382.244	308612.052	343236.809
4288.49394	4848.4983	5379.27104	5667.84862	9007.2756	7162.46172	6441.27012	5622.5729	3333.15648	4000.50036	4570.14852
2.15	2.61	2.01	0.16	0.34	0.51	1.66	4.07	1.53	0.96	0.03
1.65	0.15			6.45	7.65	3	1.8	0.9	3.15	6.15
0.003766	0.000053			0.013351	0.019793	0.002471	0.001226	0.000562	0.003324	0.008282
0.003697	0.000053			0.013284	0.019545	0.002321	0.001222	0.000542	0.00326	0.008058
63.684979				32.489783	81.92759	1.091196	11.230073		56.593528	396.689157
0.286747				0.110521	0.305915	0.004075	0.055932		0.193979	1.303044
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
0.027369	0.027021	0.028798	0.018979	0.017034	0.031676	0.038801	0.032635	0.033207	0.025434	0.025664
298.2	4.2			1138.2	1444.8	191.1	94.5	48.3	252	636.3
1463.08017	22.025892			4288.66599	6042.38244	832.261615	488.54159	226.642739	1303.44915	3241.82591
0.544367	0.052442			1.698386	2.218055	0.861737	0.613661	0.287165	1.077932	2.051783
13.678504				6.623414	22.44137	0.216019	2.1		10.97592	80.533273
5228.86	5121.76	5656.28	5383.84	5614.7	4771.9	5275.06	4983.86	5738.88	5020.96	5128.9
13.616822	13.621702	13.56422	13.734285	13.761519	13.556534	13.491202	13.543097	13.535094	13.643913	13.640691
5376	5264	5824	5488	5712	4928	5488	5152	5936	5152	5264
14	14	13.966426	14	14	14	14.035805	14	14	14	14
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
8.272654	0.786639			27.102316	33.976306	12.926065	9.204923	4.307486	16.693987	30.964256
8.272654	0.786639			27.102316	33.976306	12.926065	9.204923	4.307486	16.693987	30.964256
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.54159	226.642739	1324.44915	3262.82591
1694.76669	22.83167			4834.76373	7055.23251	989.110156	524.30077	245.038407	1440.97612	3804.94367
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
1694.76669	22.83167			4834.76373	7055.23251	989.110156	524.30077	245.038407	1440.97612	3804.94367
77.01	70.51	55.71	55.26	154.96	153.7	112.13	90.86	115.66	149.7	189.61
1409.89519	22.025892			4424.1762	6044.45485	831.170418	477.31151	226.642739	1267.85562	2866.13675
1624.49342	22.83167			4800.41589	6960.16198	987.928139	513.00496	245.038407	1378.89137	3361.50587
1.524205	0.14			6.007652	7.127985	2.797942	1.54	0.84	2.915467	5.087975
18.968099	0.28			75.438439	94.823908	12.725598	6.16	3.22	16.068271	37.051115
72.956091				71.736051	63.391493	75.770726	80.941143		84.110229	77.62703
2.188682				2.869442	4.437404	0.757707	0.809411		1.682204	13.196595

19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
0.05177	0.000744			0.18598	0.273636	0.032583	0.017119	0.007594	0.045652	0.112819
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
0.9119				0.44156	1.496091	0.014401	0.14		0.731728	5.368884
63.684979				32.489783	81.92759	1.091196	11.230073		56.593528	396.689157
0.73	0.02			4.01	4.48	0.56	0.37	0.19	0.86	1.57
-221.18652	-0.805778			-378.09774	-928.85007	-156.84854	-35.759186	-18.395668	-116.52697	-542.11776
-1845.6799	-23.637448			-5178.5136	-7889.012	-1144.7767	-548.76415	-263.43408	-1495.4183	-3903.6236
0.04				0.02	0.04		0.01		0.04	0.24
316.6335	4.5108			1509.5346	1827.1828	223.0076	96.616	48.0886	311.0998	898.2956
0.01				0.16	0.08				0.02	0.02
10.5				168	84				21	21
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.54159	226.642739	1324.44915	3262.82591
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.54159	226.642739	1324.44915	3262.82591
1463.08017	22.025892			4288.66599	6042.38244	832.261615	488.54159	226.642739	1303.44915	3241.82591
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
10.5				168	84				21	21
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.54159	226.642739	1324.44915	3262.82591
				0.08	0.05					

11.202277	11.088199	11.085489	11.006589	10.723338	10.766346	10.921598	10.932445	11.204494	11.229205	11.105559
0.283774	0.312048	0.311009	0.334304	0.479367	0.451731	0.368066	0.353095	0.260329	0.28087	0.308425
0.268449	0.3006	0.29837	0.318872	0.463414	0.434541	0.35401	0.338906	0.23083	0.270689	0.297102
958602.705	963938.33	1227668.71	1348854.54	1765400.76	1416118.38	1252764.34	918139.49	953251.997	1034645.53	1293653.03
4895.24984	4823.3063	5314.88939	4966.54407	6471.47629	5439.3754	5456.82418	4535.4407	4747.51933	4838.5156	4953.60637
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
0.034957	0.03321	0.035902	0.033429	0.030855	0.0361	0.033956	0.036198	0.035984	0.033174	0.036165
421054.318	458376.63	503198.875	501855.042	737691.081	600285.498	553286.541	499003.46	400882.585	409152.459	454487.099
501848.435	531905.63	583011.394	581414.22	963099.376	788192.665	680102.884	612271.94	478792.458	504850.51	581178.931
2.783558	2.744365	2.740866	2.755396	2.879792	2.883777	2.826887	2.828725	2.850683	2.818769	2.847691
672027.723	729914.52	798838.984	805553.577	1165604.84	945254.357	889454.509	801981.2	664268.651	652488.592	718066.677
476.819434		83.660643	25.01622	4484.49546	2549.06094	423.826171	282.96278	178.814744	680.819705	5280.80864
133286.904	132922.98	146516.837	137238.315	144709.069	124262.211	138428.492	129600.7	137986.6	130120.473	132934.91
347.101312	353.51857	351.359321	350.097742	354.67909	353.017644	354.037063	352.17581	325.440094	353.588241	353.550292

140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6
367.099999	367.1	366.219664	367.099999	367.099999	367.099999	368.038874	367.1	367.099999	367.099999	367.099999
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
140.901667	102.07144	107.197393	100.869502	207.402529	239.043956	174.20418	162.21129	126.162838	170.542487	223.991188
32.48481	31.65745	31.611577	31.550489	32.336739	32.487098	32.176618	32.249358	33.311334	32.97471	33.004188
1266823.46	1353327.9	1480089.45	1485320.66	2270683.86	1852202.6	1675861.52	1514814.1	1254947.83	1248134.44	1394832.36
1037719.26	1176539.7	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
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1037719.26	1176539.7	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
1375.81	1415.31	1456.32	1355.77	1878.83	1714.49	1674.64	1495.48	1404.5	1613.9	1892.76
264816.42	349188.83	210298.542	94396.2496	466642.148	399485.357	384041.301	557194.28	239045.11	171768.005	63137.2444
278052.781	365374.06	235447.328	105750.144	642988.313	532724.571	469536.911	638782.35	244199.397	178982.532	76422.1772
12.881643	13.542094	16.379827	9.381962	17.207562	19.331158	17.256056	20.40874	11.283827	12.025823	10.643375
7736.37915	10547.777	6349.02153	2861.56242	12691.0066	10725.8875	11045.4609	16319.009	7033.20561	4717.44072	1443.54618
26.120867	26.037797	26.892113	27.410326	39.514528	38.633595	31.576233	29.608486	26.196834	28.680903	37.887721
23.007142	24.482316	26.343949	27.334966	39.455556	38.505198	30.97805	27.723109	24.131841	26.284026	37.805342
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
98.547989	110.35048	109.268997	117.058117	170.119529	159.520272	130.289631	124.41245	84.737867	99.370054	109.066202
-446843.27	-416176.26	-400973.35	-338967.47	536879.503	244668.783	-158863.55	-233663.6	-501833.74	-410183.69	-296991.78
-446843.27	-416176.26	-400973.35	-338967.47	536879.503	244668.783	-158863.55	-233663.6	-501833.74	-410183.69	-296991.78
30106.0488	30944.005	39216.1505	43025.2196	56717.7614	45425.2485	39897.7851	29464.773	28895.6504	31850.7393	39565.3458
958602.705	963938.33	1227668.71	1348854.54	1765400.76	1416118.38	1252764.34	918139.49	953251.997	1034645.53	1293653.03
24.37	23.68	28.72	19.86	159.67	107.08	63.35	53.37	16.35	19.98	17.11
229104.204	176788.23	138194.022	76699.2349	-907388.92	-545974.93	-127063.58	-24273.481	293167.031	198936.366	65128.2738
-48948.577	-188585.82	-97253.306	-29050.909	-1550377.2	-1078699.5	-596600.5	-663055.83	48967.6335	19953.8335	-11293.903
239.28	204.84	291.11	314.94	186.67	172.68	214.52	146.42	279.17	258	336.56
0.011126		0.000218	0.007189				0.000494	0.052744		
192854.457	202729.21	257596.447	277932.808	318732.237	260009.891	245320.757	201263.55	178737.781	213413.014	267672.705
4.69	3.64	4.03	4.45	4.86	3.99	3.88	3.93	5.31	3.72	3.64
43473.4886	40218.663	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.114	62664.5483	41759.8085	38189.991
1484562.53	1592715.9	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87
1484562.53	1592715.9	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87
1173876.16	1261820.1	1381850.38	1386967.8	2128704.21	1733447.02	1569557.39	1414253.1	1143061.11	1157339.1	1299245.61
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
43473.4886	40218.663	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.114	62664.5483	41759.8085	38189.991

1484562.53	1592715.9	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87
49473.8178	51289.082	56094.9447	56282.9887	102596.212	81724.3497	67081.4839	60913.869	49222.1689	49035.531	57396.7647
118.99	147.36	96.08	56.77	61.4	72.16	113.97	167.8	117.77	89.91	22.02

1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
221019.919	170662.19	379740.54	593849.298	324064.885	281657.057	256860.182	119511.39	298405.946	287594.653	675727.888
1083.7001	834.27669	1633.13721	2184.89359	1175.36014	1068.5647	1108.37047	581.75466	1475.24302	1295.02376	2598.08889
-74836.828	-74889.642	-95661.039	-105794.19	-110907.99	-91451.935	-89448.004	-74064.504	-84871.85	-77927.443	-96374.516
74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	84871.8501	77927.4427	96374.5159
221019.919	170662.19	379740.54	593849.298	324064.885	281657.057	256860.182	119511.39	298405.946	287594.653	675727.888
238.31	202.62	288.97	314.07	185.33	171.1	213.02	144.72	287.49	256.1	335.85
158.838443	125.20884	158.254107	193.323764	171.717204	167.858323	143.503998	115.69162	146.16856	162.643455	208.610867
53.284519	43.734077	60.766612	81.924522	58.13477	63.757492	53.335091	39.517747	53.777557	54.279615	89.683714
13121.4449	9089.0492	17948.6113	26410.4674	12647.6215	11966.1097	11806.0843	5934.4574	15701.4213	14347.5458	30403.2157
-74836.828	-74889.642	-95661.039	-105794.19	-110907.99	-91451.935	-89448.004	-74064.504	-84871.85	-77927.443	-96374.516
-194.88757	-199.17458	-229.40297	-269.88314	-271.83332	-259.80663	-228.76727	-201.26224	-200.16946	-211.75936	-256.3152
-1681726.6	-1844632.8	-2489625.2	-2875987.2	-4560813.7	-3420411.1	-2738440.3	-2130553.9	-1931775.4	-1906561.6	-2607859
-22.465101	-24.632289	-26.020876	-27.174275	-41.121641	-37.397332	-30.607975	-28.762036	-22.747413	-24.464954	-27.057767
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1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1902746.47	2015295	2869365.77	3469836.54	4884878.59	3702068.14	2995300.49	2250065.3	2230181.31	2194156.22	3283586.9
74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	84871.8501	77927.4427	96374.5159
1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01

1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
221019.919	170662.19	379740.54	593849.298	324064.885	281657.057	256860.182	119511.39	298405.946	287594.653	675727.888
1083.7001	834.27669	1633.13721	2184.89359	1175.36014	1068.5647	1108.37047	581.75466	1475.24302	1295.02376	2598.08889
-74836.828	-74889.642	-95661.039	-105794.19	-110907.99	-91451.935	-89448.004	-74064.504	-84871.85	-77927.443	-96374.516
74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	84871.8501	77927.4427	96374.5159
221019.919	170662.19	379740.54	593849.298	324064.885	281657.057	256860.182	119511.39	298405.946	287594.653	675727.888
238.31	202.62	288.97	314.07	185.33	171.1	213.02	144.72	287.49	256.1	335.85
158.838443	125.20884	158.254107	193.323764	171.717204	167.858323	143.503998	115.69162	146.16856	162.643455	208.610867

53.284519	43.734077	60.766612	81.924522	58.13477	63.757492	53.335091	39.517747	53.777557	54.279615	89.683714
13121.4449	9089.0492	17948.6113	26410.4674	12647.6215	11966.1097	11806.0843	5934.4574	15701.4213	14347.5458	30403.2157
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1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1902746.47	2015295	2869365.77	3469836.54	4884878.59	3702068.14	2995300.49	2250065.3	2230181.31	2194156.22	3283586.9
74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	84871.8501	77927.4427	96374.5159
1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.8	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01

3865.4811	4491.5265	4813.63116	4410.00888	5196.69575	4124.22055	4086.39574	4147.7826	4727.76168	3664.17875	2939.11014
84839.7665	110778.57	125800.14	116762.791	212391.092	153203.902	123897.341	119645.46	107174.999	85968.6425	72788.6676
2.140122							0.069921		0.445219	
0.071222							0.004036		0.043862	
0.142445							0.004036		0.043862	
23.1437	17.943893	24.453872	19.155614	40.490206	39.532813	36.831057	28.005261	22.957147	20.412428	20.759336
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3865.4811	4491.5265	4813.63116	4410.00888	5196.69575	4124.22055	4086.39574	4147.7826	4727.76168	3664.17875	2939.11014
10.066357	11.945549	11.54348	11.250022	12.736999	11.716535	10.451139	11.271148	11.150381	9.957007	7.816782
84839.7665	110778.57	125800.14	116762.791	212391.092	153203.902	123897.341	119645.46	107174.999	85968.6425	72788.6676
84839.7665	110778.57	125800.14	116762.791	212391.092	153203.902	123897.341	119645.46	107174.999	85968.6425	72788.6676
3865.33866	4491.5265	4813.63116	4410.00888	5196.69575	4124.22055	4086.39574	4147.7785	4727.76168	3664.13489	2939.11014

-84839.766	-110778.57	-125800.14	-116762.79	-212391.09	-153203.9	-123897.34	-119645.46	-107175	-85968.642	-72788.668
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1.35	0.12	0.09	0.43	0.26	0.08	0.15	0.41	10.62	0.11	0.28
72195.694	74889.642	95661.0391	105794.19	108313.016	91451.935	86732.7526	74064.504	83125.6146	77927.4427	90997.4557
3865.4811	4491.5265	4813.63116	4410.00888	5196.69575	4124.22055	4086.39574	4147.7826	4727.76168	3664.17875	2939.11014
3865.4811	4491.5265	4813.63116	4410.00888	5196.69575	4124.22055	4086.39574	4147.7826	4727.76168	3664.17875	2939.11014
84839.7665	110778.57	125800.14	116762.791	212391.092	153203.902	123897.341	119645.46	107174.999	85968.6425	72788.6676
84839.7665	110778.57	125800.14	116762.791	212391.092	153203.902	123897.341	119645.46	107174.999	85968.6425	72788.6676
252740.196	275766.01	314128.128	301115.562	342772.39	303194.25	334639.61	345045.63	363128.464	257582.356	208726.411
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6465.59723	7054.6434	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.863	8924.26797	6330.36018	5129.67341
142276.501	172527.95	206576.978	207394.408	362321.64	276975.677	248289.561	241287.75	201093.409	148420.28	132542.629
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16.837492	18.762349	19.271037	19.70138	21.850107	21.168525	21.033565	23.043105	21.047801	17.202065	13.642748
-110463.69	-103238.06	-107551.15	-94527.765	344.897109	-26218.573	-86350.049	-103757.87	-162035.06	-109162.08	-76183.782
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252740.196	275766.01	314128.128	301115.562	342772.39	303194.25	334639.61	345045.63	363128.464	257582.356	208726.411
110463.694	103238.06	107551.15	94527.7651	-344.89711	26218.5732	86350.0491	103757.87	162035.055	109162.076	76183.7819
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74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	84871.8501	77927.4427	96374.5159
252740.196	275766.01	314128.128	301922.173	361976.743	303194.25	334639.61	345045.63	363128.464	257582.356	208726.411
252740.196	275766.01	314128.128	301922.173	361976.743	303194.25	334639.61	345045.63	363128.464	257582.356	208726.411
6465.59723	7054.6434	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.863	8924.26797	6330.36018	5129.67341
252740.196	275766.01	314128.128	301922.173	361976.743	303194.25	334639.61	345045.63	363128.464	257582.356	208726.411
252740.196	275766.01	314128.128	301922.173	361976.743	303194.25	334639.61	345045.63	363128.464	257582.356	208726.411
6465.59723	7054.6434	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.863	8924.26797	6330.36018	5129.67341
142276.501	172527.95	206576.978	207394.408	362321.64	276975.677	248289.561	241287.75	201093.409	148420.28	132542.629
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246947.783	269532.28	306746.453	294105.994	333512.744	294932.66	325597.663	335352.26	353164.274	251093.592	202755.275
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7269.58444	7934.4209	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
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								27.112955		15.982467
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7269.58444	7934.4209	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
18.931209	21.102183	21.654489	22.14358	24.5536	23.78305	23.636974	25.866685	23.642764	19.367571	15.306351
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7269.58444	7934.4209	9029.92208	8657.44698	9478.25609	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
246947.783	269532.28	306746.453	294105.994	333512.744	294932.66	325597.663	335352.26	353164.274	251093.592	202755.275
86990.3972	75495.6	74630.7918	61812.3426	-54893.131	-16259.002	46595.2319	64442.002	127275.519	84092.8022	53979.8571
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74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	84871.8501	77927.4427	96374.5159
246947.783	269532.28	306746.453	294898.011	352249.607	294932.66	325597.663	335352.26	353164.274	251093.592	202755.275
246947.783	269532.28	306746.453	294898.011	352249.607	294932.66	325597.663	335352.26	353164.274	251093.592	202755.275
7269.58444	7934.4209	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
246947.783	269532.28	306746.453	294898.011	352249.607	294932.66	325597.663	335352.26	353164.274	251093.592	202755.275
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7269.58444	7934.4209	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
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-86990.397	-75495.6	-74630.792	-61812.343	54893.1306	16259.0023	-46595.232	-64442.002	-127275.52	-84092.802	-53979.857
246947.783	269532.28	306746.453	294898.011	352249.607	294932.66	325597.663	335352.26	353164.274	251093.592	202755.275
3854.96339	4381.0379	4671.69287	4325.48248	5153.53985	4020.41202	3971.10117	4096.1151	4618.15007	3753.5689	2938.03908
84222.6606	108012.24	122340.186	114322.368	210627.939	149117.645	120468.546	117997.12	104667.563	87646.9421	72824.2406
23.025814										14.380038
0.230258										0.1438
3854.96339	4381.0379	4671.69287	4325.48248	5153.53985	4020.41202	3971.10117	4096.1151	4618.15007	3753.5689	2938.03908
10.038967	11.651696	11.2031	11.034394	12.631225	11.421625	10.156268	11.130747	10.891863	10.199915	7.813933
84222.6606	108012.24	122340.186	114322.368	210627.939	149117.645	120468.546	117997.12	104667.563	87646.9421	72824.2406
84222.6606	108012.24	122340.186	114322.368	210627.939	149117.645	120468.546	117997.12	104667.563	87646.9421	72824.2406
3854.96339	4381.0379	4671.69287	4325.48248	5153.53985	4020.41202	3971.10117	4096.1151	4618.15007	3753.5689	2938.03908
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0.01										0.01
74836.8278	74889.642	95661.0391	103267.163	108281.283	91451.935	86593.2895	74064.504	83058.8506	77927.4427	91439.4831
3854.96339	4381.0379	4671.69287	4325.48248	5153.53985	4020.41202	3971.10117	4096.1151	4618.15007	3753.5689	2938.03908
3854.96339	4381.0379	4671.69287	4325.48248	5153.53985	4020.41202	3971.10117	4096.1151	4618.15007	3753.5689	2938.03908
84222.6606	108012.24	122340.186	114322.368	210627.939	149117.645	120468.546	117997.12	104667.563	87646.9421	72824.2406
84222.6606	108012.24	122340.186	114322.368	210627.939	149117.645	120468.546	117997.12	104667.563	87646.9421	72824.2406
3636.60171	4311.1145	4690.37973	4041.93516	4891.8031	3906.69488	4081.90635	3946.0203	4549.18928	3437.35754	2732.11253
80222.8805	106440.31	122570.025	107484.683	200788.667	145632.396	123615.004	113676.52	103779.395	81503.8126	68516.1772
						21.222481		23.819845		
						0.212224		0.476396		
3636.60171	4311.1145	4690.37973	4041.93516	4891.8031	3906.69488	4081.90635	3946.0203	4549.18928	3437.35754	2732.11253
9.470316	11.46573	11.247913	10.311059	11.989713	11.098564	10.439658	10.722881	10.729219	9.340645	7.266256
80222.8805	106440.31	122570.025	107484.683	200788.667	145632.396	123615.004	113676.52	103779.395	81503.8126	68516.1772
80222.8805	106440.31	122570.025	107484.683	200788.667	145632.396	123615.004	113676.52	103779.395	81503.8126	68516.1772
3636.60171	4311.1145	4690.37973	4041.93516	4891.8031	3906.69488	4081.90635	3946.0203	4549.18928	3437.35754	2732.11253
-80222.881	-106440.31	-122570.03	-107484.68	-200788.67	-145632.4	-123615	-113676.52	-103779.39	-81503.813	-68516.177
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						0.01		0.02		
74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	83017.2382	77927.4427	89587.9555
3636.60171	4311.1145	4690.37973	4041.93516	4891.8031	3906.69488	4081.90635	3946.0203	4549.18928	3437.35754	2732.11253
3636.60171	4311.1145	4690.37973	4041.93516	4891.8031	3906.69488	4081.90635	3946.0203	4549.18928	3437.35754	2732.11253
80222.8805	106440.31	122570.025	107484.683	200788.667	145632.396	123615.004	113676.52	103779.395	81503.8126	68516.1772
80222.8805	106440.31	122570.025	107484.683	200788.667	145632.396	123615.004	113676.52	103779.395	81503.8126	68516.1772
153347.465	125880.93	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
801.930547	640.02986	684.773731	664.291741	720.74438	677.870488	881.159932	1040.7232	901.937814	940.898172	786.402507
2993.31377	2457.1721	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.0716	3506.90824	3804.05812	3879.99091
65711.1974	59622.867	77409.4701	93349.9768	154599.648	125683.418	116391.584	113344.91	78673.9578	88613.521	100114.784
2993.31377	2457.1721	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.0716	3506.90824	3804.05812	3879.99091
7.795087	6.535032	7.306637	8.876558	9.351587	9.705712	9.963411	11.005629	8.27101	10.337114	10.319124

-87636.267	-66258.062	-78681.576	-84910.495	-40865.735	-49339.3	-83184.823	-94140.265	-100984.95	-106268.38	-98657.15
-87636.267	-66258.062	-78681.576	-84910.495	-40865.735	-49339.3	-83184.823	-94140.265	-100984.95	-106268.38	-98657.15
2993.31377	2457.1721	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.0716	3506.90824	3804.05812	3879.99091
153347.465	125880.93	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
87636.2671	66258.062	78681.5764	84910.4952	40865.7352	49339.2999	83184.8235	94140.265	100984.951	106268.377	98657.1501
87636.2671	66258.062	78681.5764	84910.4952	40865.7352	49339.2999	83184.8235	94140.265	100984.951	106268.377	98657.1501
74836.8278	69304.402	95661.0391	105794.19	110907.994	91451.935	89448.0036	73176.658	77516.6148	76453.1228	96374.5159
153347.465	125880.93	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
153347.465	125880.93	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
2993.31377	2457.1721	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.0716	3506.90824	3804.05812	3879.99091
153347.465	125880.93	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
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2993.31377	2457.1721	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.0716	3506.90824	3804.05812	3879.99091
65711.1974	59622.867	77409.4701	93349.9768	154599.648	125683.418	116391.584	113344.91	78673.9578	88613.521	100114.784
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153347.465	125880.93	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934

271519.18	325665.13	324207.97	288278.866	360765.511	218737.736	335058.332	349559.5	309875.821	285272.147	239424.423
1425.98313	1658.075	1425.04477	1084.34329	1343.61784	852.919092	1490.0234	1754.584	1560.97775	1393.28224	954.827856
3523.93484	4226.6727	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.4847	3923.96886	3612.41163	3031.84023
76377.318	102431.54	106612.904	99249.484	192939.3	101754.199	125900.008	123800.01	87536.0599	81236.3876	74781.4953
3523.93484	4226.6727	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.4847	3923.96886	3612.41163	3031.84023
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-195141.86	-223233.59	-217595.07	-190087	-189235.51	-116983.54	-209158.32	-225759.48	-222339.76	-204035.76	-164642.93
3523.93484	4226.6727	4207.7608	3741.33299	4572.18639	2769.88395	4242.85592	4426.4847	3923.96886	3612.41163	3031.84023
271519.18	325665.13	324207.97	288278.866	360765.511	218737.736	335058.332	349559.5	309875.821	285272.147	239424.423
195141.862	223233.59	217595.065	190087.003	189235.515	116983.537	209158.324	225759.48	222339.761	204035.759	164642.928
195141.862	223233.59	217595.065	190087.003	189235.515	116983.537	209158.324	225759.48	222339.761	204035.759	164642.928
74610.1025	74889.642	95552.4647	104968.696	110144.476	91451.935	89448.0036	74041.982	84821.9502	77780.3831	95056.6813
271519.18	325665.13	324207.97	289336.487	382174.815	218737.736	335058.332	349559.5	309875.821	285272.147	239424.423
271519.18	325665.13	324207.97	289336.487	382174.815	218737.736	335058.332	349559.5	309875.821	285272.147	239424.423
3523.93484	4226.6727	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.4847	3923.96886	3612.41163	3031.84023
271519.18	325665.13	324207.97	289336.487	382174.815	218737.736	335058.332	349559.5	309875.821	285272.147	239424.423
271519.18	325665.13	324207.97	289336.487	382174.815	218737.736	335058.332	349559.5	309875.821	285272.147	239424.423

3523.93484	4226.6727	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.4847	3923.96886	3612.41163	3031.84023
76377.318	102431.54	106612.904	99249.484	192939.3	101754.199	125900.008	123800.01	87536.0599	81236.3876	74781.4953
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271519.18	325665.13	324207.97	289336.487	382174.815	218737.736	335058.332	349559.5	309875.821	285272.147	239424.423
924554.623	996844.35	1101173.6	1061760.89	1232516.03	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043
4837.6365	5057.3513	4827.61675	3969.02751	4564.31615	3844.77989	5285.40854	6196.0023	6059.15868	4796.18309	3373.74754
31609.4765	34856.588	38496.2773	36415.1039	42836.3539	34060.5768	37744.1342	38665.278	40274.7784	31729.2014	26405.9543
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2.140122							0.069921		0.445219	
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23.307456	17.943893	24.453872	19.155614	40.490206	39.532813	36.506629	28.005261	22.882728	20.412428	20.176618
2.796894	0.717755	0.733616	0.95778	1.619608	1.185984	1.460265	3.920736	13.271982	0.408248	1.412363
31609.4765	34856.588	38496.2773	36415.1039	42836.3539	34060.5768	37744.1342	38665.278	40274.7784	31729.2014	26405.9543
82.316344	92.703691	92.317211	92.895673	104.991063	96.763002	96.532312	105.06869	94.987685	86.220656	70.228601
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924554.623	996844.35	1101173.6	1061760.89	1232516.03	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043
230946.912	142994.19	107748.232	92767.7647	-448944.48	-271671.54	57307.5371	136780.52	297013.331	248439.617	179334.631
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1.36	0.12	0.09	0.43	0.26	0.08	0.16	0.41	10.71	0.11	0.31
520989.936	518642.25	669518.699	737206.809	770370.75	640163.545	620566.06	517541.16	581283.969	543870.719	656205.123
924554.623	996844.35	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043
924554.623	996844.35	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043
31609.4765	34856.588	38496.2773	36415.1039	42836.3539	34060.5768	37744.1342	38665.278	40274.7784	31729.2014	26405.9543
924554.623	996844.35	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043
924554.623	996844.35	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043
31609.4765	34856.588	38496.2773	36415.1039	42836.3539	34060.5768	37744.1342	38665.278	40274.7784	31729.2014	26405.9543
693607.711	853850.16	993425.365	971649.379	1740811.02	1263558.9	1137564.48	1100662	908814.138	740390.376	670343.412
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924554.623	996844.35	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043

11.202277	11.088199	11.085489	11.006589	10.723338	10.766346	10.921598	10.932445	11.204494	11.229205	11.105559
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421054.318	458376.63	503198.875	501855.042	737691.081	600285.498	553286.541	499003.46	400882.585	409152.459	454487.099
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2.783558	2.744365	2.740866	2.755396	2.879792	2.883777	2.826887	2.828725	2.850683	2.818769	2.847691
672027.723	729914.52	798838.984	805553.577	1165604.84	945254.357	889454.509	801981.2	664268.651	652488.592	718066.677
476.819434		83.660643	25.01622	4484.49546	2549.06094	423.826171	282.96278	178.814744	680.819705	5280.80864
133286.904	132922.98	146516.837	137238.315	144709.069	124262.211	138428.492	129600.7	137986.6	130120.473	132934.91
347.101312	353.51857	351.359321	350.097742	354.67909	353.017644	354.037063	352.17581	325.440094	353.588241	353.550292
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367.099999	367.1	366.219664	367.099999	367.099999	367.099999	368.038874	367.1	367.099999	367.099999	367.099999
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
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32.48481	31.65745	31.611577	31.550489	32.336739	32.487098	32.176618	32.249358	33.311334	32.97471	33.004188
1266823.46	1353327.9	1480089.45	1485320.66	2270683.86	1852202.6	1675861.52	1514814.1	1254947.83	1248134.44	1394832.36
1037719.26	1176539.7	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
74836.8278	74889.642	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.504	84871.8501	77927.4427	96374.5159
-229104.2	-176788.23	-138194.02	-76699.235	907388.918	545974.932	127063.585	24273.481	-293167.03	-198936.37	-65128.274
1731326.97	2030389.8	2335320.79	2380270.8	4918883.8	3661736.43	2940489.58	2639749.6	1870594.93	1789588.45	2000047.5
1375.81	1415.31	1456.32	1355.77	1878.83	1714.49	1674.64	1495.48	1404.5	1613.9	1892.76
264816.42	349188.83	210298.542	94396.2496	466642.148	399485.357	384041.301	557194.28	239045.11	171768.005	63137.2444
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
221019.919	170662.19	379740.54	593849.298	324064.885	281657.057	256860.182	119511.39	298405.946	287594.653	675727.888
238.31	202.62	288.97	314.07	185.33	171.1	213.02	144.72	287.49	256.1	335.85
158.838443	125.20884	158.254107	193.323764	171.717204	167.858323	143.503998	115.69162	146.16856	162.643455	208.610867

3.552301	3.123862	5.063884	6.827043	3.875651	4.250499	3.555672	2.634516	3.58517	3.618641	5.978914
13,121	9,089	17,949	26,410	12,648	11,966	11,806	5,934	15,701	14,348	30,403
278054.921	365374.06	235447.328	105750.144	642988.313	532724.571	469536.911	638782.42	244199.397	178982.977	76422.1772
6.016181	5.803754	5.459942	3.12732	8.030195	9.021207	8.052826	9.524348	5.265786	5.614975	4.966908
7,737	10,548	6,349	2,862	12,691	10,726	11,045	16,319	7,033	4,717	1,444
26.154322	25.982181	26.847393	27.300244	39.498873	38.686071	31.639	29.582921	25.863989	28.645508	37.613472
23.145505	24.439186	26.301749	27.225814	39.440152	38.55818	31.051209	27.756449	24.07414	26.263625	37.531393
-5384.9233	1458.7282	-11599.59	-23492.304	1337.12816	-1240.2222	-760.62337	10384.556	-8668.2157	-9630.0613	-28959.67
-14.023237	3.879596	-27.816762	-59.929346	3.277274	-3.523358	-1.945328	28.218901	-20.443904	-26.168644	-77.020397
-5890664.4	-5861385.4	-6823756.8	-6912619.7	-7401871	-6205693.9	-6631418.9	-5952694.9	-6707577.5	-6016881.7	-6610919.2
-78.744228	-78.281828	-71.347653	-65.351192	-66.744602	-67.876729	-74.149277	-80.389646	-79.0372	-77.264271	-68.647705
-5890664.4	-5861385.4	-6823756.8	-6912619.7	-7401871	-6205693.9	-6631418.9	-5952694.9	-6707577.5	-6016881.7	-6610919.2
61715.3829	65800.593	77712.4278	79383.7225	98260.3722	79485.8253	77641.9193	68130.047	69170.4288	63579.8969	65971.3002
1883157.33	1960782.7	2328842.31	2410615.43	2997916.79	2408005.74	2447636.35	2155582	2159079.47	2023475.52	2143331.08
5672925.36	5621997.4	6560977.48	6650351.42	7031361.61	5904387.7	6345491.8	5694757.8	6498910.81	5805634.41	6379055.67
5615890.36	5427285.5	6705270.69	7138450.58	6712438.19	5653320.19	6132815.07	5175486.8	6553117.36	5914246.09	6978361.38
0.011126		0.000218	0.007189				0.000494	0.052744		
788681.22	796261.1	1022776.19	1120933.81	1200010.98	991625.371	955334.821	792869.21	844893.599	835211.176	1020252.34
4.69	3.64	4.03	4.45	4.86	3.99	3.88	3.93	5.31	3.72	3.64
43473.4886	40218.663	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.114	62664.5483	41759.8085	38189.991
7621991.39	7891775.2	9159077.6	9292890.45	12320754.8	9867430.28	9571908.52	8592444.5	8578172.45	7806470.19	8610966.67
4090843.71	4434193.1	5333667.61	5687993.28	8493873.52	6565807.19	5895100.99	5140747.7	4601217.37	4354773.33	5084232.92
1173876.16	1261820.1	1381850.38	1386967.8	2128704.21	1733447.02	1569557.39	1414253.1	1143061.11	1157339.1	1299245.61
69451.9045	76348.37	84061.4493	82301.8859	112245.122	90211.7128	88687.3802	84449.06	76203.6344	68297.3814	67414.8463
43473.4886	40218.663	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.114	62664.5483	41759.8085	38189.991
4090843.71	4434193.1	5333667.61	5687993.28	8493873.52	6565807.19	5895100.99	5140747.7	4601217.37	4354773.33	5084232.92
49473.8178	51289.082	56094.9447	56282.9887	102596.212	81724.3497	67081.4839	60913.869	49222.1689	49035.531	57396.7647
924554.623	996844.35	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043
31609.4765	34856.588	38496.2773	36415.1039	42836.3539	34060.5768	37744.1342	38665.278	40274.7784	31729.2014	26405.9543
693607.711	853850.16	993425.365	971649.379	1740811.02	1263558.9	1137564.48	1100662	908814.138	740390.376	670343.412
-230946.91	-142994.19	-107748.23	-92767.765	448944.476	271671.536	-57307.537	-136780.52	-297013.33	-248439.62	-179334.63
924554.623	996844.35	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.6	1205827.47	988829.992	849678.043

2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
-3826881.3	-3601770.6	-3676807.5	-3751844.4	-3676995.1	-4056494.2	-3367655.5	-3597268.4	-3520730.8	-4056494.2	-3520730.8
-3826881.3	-3601770.6	-3676807.5	-3751844.4	-3676995.1	-4056494.2	-3367655.5	-3597268.4	-3520730.8	-4056494.2	-3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8

25.654276	22.584293	25.044375	26.344338	27.504335	40.949417	37.339389	30.349391	28.659413	22.66948	23.669404
23.307205	23.307185	23.307106	23.307185	23.307086	23.773308	23.77323	23.773288	23.773327	23.773288	23.773308
25.530663	22.460674	24.920722	26.220701	27.380699	40.823716	37.213699	30.223701	28.533714	22.543754	23.543708
25.62575	22.555766	25.01584	26.315807	27.475804	40.920409	37.310383	30.320386	28.630405	22.640467	23.640397
24.912603	21.842577	24.30246	25.602512	26.762517	40.195212	36.585253	29.595249	27.905218	21.915121	22.915231
25.188353	22.118343	24.5783	25.878319	27.038321	40.475622	36.865637	29.875635	28.185624	22.195588	23.195629
$ 25.61	$ 22.54	$ 25.00	$ 26.30	$ 27.46	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62
$ 25.64	$ 22.57	$ 25.03	$ 26.33	$ 27.49	$ 40.94	$ 37.33	$ 30.34	$ 28.65	$ 22.66	$ 23.66

21.475371	21.475371	21.475371	21.475371	21.475371	21.904879	21.904879	21.904879	21.904879	21.904879	21.904879
1.18	1.18	1.18	1.18	1.18	1.22	1.22	1.22	1.22	1.22	1.22
25.35	22.28	24.74	26.04	27.2	40.64	37.03	30.04	28.35	22.36	23.36
4.793281	4.778652	4.848472	5.634785	6.290948	6.142415	6.185218	5.552759	5.042577	4.751455	4.770981
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
0.033799	0.032395	0.028418	0.022875	0.02602	0.033985	0.036051	0.03218	0.034945	0.02915	0.028152
8869.725	8360.1	8569.35	8794.125	8590.5	9215.775	7634.475	8187.75	7990.65	9261.9	8046.9
21.739522	21.771093	21.860586	21.930486	21.91454	21.735318	21.688849	21.834	21.713722	21.844103	21.866576
9180	8640	8820	9000	8820	9540	7920	8460	8280	9540	8280
22.5	22.5	22.5	22.44389	22.5	22.5	22.5	22.56	22.5	22.5	22.5

4.2	7.76				5.88	5.56	0.94		7.68	7.08

4.33274	4.05017	1.13028	1.41285	0.65933	7.44101	7.346819	6.781679	5.93397	2.44894	3.67341
0.021813	0.017836	0.001679	0.001463	0.000343	0.096848	0.08465	0.027966	0.026219	0.011703	0.014906
0.020857	0.017057	0.001581	0.0014	0.000331	0.093867	0.082301	0.027047	0.025407	0.01132	0.014184
13737.9426	2468.51411	890.501838	245.340748	228.448712	27768.4227	14140.8456	3638.25128	1377.4401	4071.56266	5496.56015
46.394739	9.677938	4.128285	0.944227	0.735497	95.976713	52.188236	14.527511	6.173353	18.592009	20.663668
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76

0.032009	0.040312	0.031989	0.035225	0.024668	0.02849	0.031505	0.033351	0.029782	0.031344	0.03326
4649.03002	3578.2781	338.70724	305.92912	71.01926	21742.8196	15826.3689	5555.89134	5107.9237	2622.2496	2851.69644
23465.1465	17253.535	1617.03971	1689.95503	436.141437	107830.487	77591.9126	27660.8621	26680.38	11704.6473	14488.5142
2.280994	2.095156	0.582239	0.856219	0.454726	3.930156	3.854322	3.506247	3.234189	1.203716	1.928028
2287.51378	414.51097	153.551339	36.521635	33.702468	4636.75574	2342.02214	665.53361	226.22135	743.38411	910.688657
22906.52	21374.16	22008.68	22382.78	22175.14	23891.36	19772.78	21080.68	20708.32	23821.18	20634.08
56.143431	55.661875	56.144591	55.817406	56.569234	56.347547	56.17267	56.215146	56.272608	56.182028	56.070869
23664	22272	22736	23200	22736	24592	20416	21808	21344	24592	21344
58	58	58	57.855361	58	58	58	58.154666	58	58	58
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
25.478166	23.531977	6.534013	9.492081	4.880168	44.1278	43.337125	39.694962	36.104301	13.769728	21.629527
25.478166	23.531977	6.534013	9.492081	4.880168	44.1278	43.337125	39.694962	36.104301	13.769728	21.629527
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.228	14218.0013	17163.5995
32751.6256	24922.7558	2062.00822	2069.5444	521.520878	146749.37	113237.639	38011.1975	35627.075	16115.5791	20769.7507
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.8469	1897.57785	3606.15119
32751.6256	24922.7558	2062.00822	2069.5444	521.520878	146749.37	113237.639	38011.1975	35627.075	16115.5791	20769.7507
196.53	112.71	148.34	116.73	118.52	260.3	216.56	201.04	172.14	113.64	133.13
14009.0285	18083.7325	1042.22508	1739.56548	272.008924	100615.205	78302.0777	29300.4312	30116.788	10146.4386	11667.0393
16566.5105	22022.6842	1107.96946	1799.43223	282.970258	114806.218	96013.9367	33753.4848	34089.584	11512.8634	14188.7147
16.245796	23.193651	4.843176	8.378231	2.904484	39.746621	40.404462	38.631462	35.244953	12.552901	18.17317
250.71836	335.89204	19.657702	28.602557	3.961863	1816.12314	1431.6113	519.201372	518.28245	199.47611	206.073657
57.454181	56.381287	56.264	63.317665	70.043243	58.132588	57.203951	58.008385	58.454998	54.128896	56.953567
25.825203	12.399855	3.912263	2.532706	3.502162	45.237642	41.744492	27.263892	10.521892	12.850339	18.196575
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
1.209754	0.989322	0.091734	0.080997	0.019234	5.444339	4.773465	1.57296	1.473641	0.656603	0.822717
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.8469	1897.57785	3606.15119
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.8469	1897.57785	3606.15119
242.861639	44.007959	16.302297	3.877442	3.578136	492.276859	248.648703	70.658627	24.017554	78.923889	96.686342
13737.9426	2468.51411	890.501838	245.340748	228.448712	27768.4227	14140.8456	3638.25128	1377.4401	4071.56266	5496.56015
4.53	4.26	0.41	0.52	0.1	28.36	16.83	6.86	8.1	3.39	3.16
-5004.6545	-4370.5092	-129.28131	-84.638166	-21.063241	-18365.743	-20794.715	-5072.5151	-4132.8469	-1897.5778	-3606.1512
-21571.165	-26393.193	-1237.2508	-1884.0704	-304.0335	-133171.96	-116808.65	-38826	-38222.431	-13410.441	-17794.866
1.91	0.33	0.2	0.04	0.03	2.93	1.18	0.38	0.15	0.58	0.58
2418.4737	1463.3149	134.2062	138.0482	39.0567	11227.4782	7669.0841	2484.5271	2028.9588	1042.9164	1338.8553
0.16	0.13	0.02	0.04		1.03	0.51	0.32	0.21	0.2	0.09

71.5872	58.1646	8.9484	17.8968		470.0611	232.7487	146.0384	95.8377	91.274	41.0733
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.228	14218.0013	17163.5995
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.228	14218.0013	17163.5995
23465.1465	17253.535	1617.03971	1689.95503	436.141437	107830.487	77591.9126	27660.8621	26680.38	11704.6473	14488.5142
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
71.5872	58.1646	8.9484	17.8968		470.0611	232.7487	146.0384	95.8377	91.274	41.0733
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.228	14218.0013	17163.5995
4210.2374	3240.547	306.7388	277.0544	64.3162	20083.08	14618.262	5131.782	4718.01	2422.08	2634.012
					0.29	0.62	0.49			
11.172767	11.198175	11.139212	11.11809	11.080933	10.792951	10.859134	10.978575	11.026887	11.250843	11.252077
0.522149	0.520442	0.527797	0.54515	0.581051	0.790363	0.731861	0.630944	0.59841	0.491039	0.488031
0.505996	0.49854	0.27164	0.523218	0.563462	0.765714	0.705499	0.608424	0.579396	0.47432	0.470628
748645.862	514222.681	257199.137	611201.796	755285.754	948600.74	688144.62	573876.481	392844.99	705409.882	607642.986
2984.01787	2551.37228	1225.92286	2600.85406	2740.47063	3403.63377	2591.88543	2470.42281	1896.6835	3452.94561	2810.32898
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
0.031764	0.040572	0.035459	0.04045	0.031198	0.032287	0.035625	0.036223	0.032635	0.034103	0.036576
255450.006	236835.545	131096.793	257570.918	270216.559	386159.28	297206.795	277481.994	259917.59	250698.314	215995.962
302820.113	279493.719	155797.384	305336.268	320102.826	472981.858	364507.374	340472.596	319183.32	305056.636	264408.549
2.9835	2.9835	2.9835	2.9835	2.9835	3.045099	3.0451	3.0451	3.0451	3.0451	3.0451
460704.087	427132.905	236433.065	464529.151	487335.564	704779.301	542432.122	506432.387	474375.59	457549.494	394214.23
43849.44	40786.95	22357.62	42604.02	42154.47	45544.41	37680.06	40224.18	39514.89	45458.94	39353.94
107.474117	106.216015	57.034744	106.244438	107.536913	107.416061	107.045625	107.26448	107.37742	107.214481	106.940054
45288	42624	43512	44400	43512	47064	39072	41736	40848	47064	40848
111	111	111	110.723192	111	111	111	111.296	111	111	111
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
35.33032	35.513406	36.024008	35.249686	35.026629	34.806735	35.001936	35.386493	35.58742	36.317861	36.323476
34.965932	35.04721	34.864362	34.804523	34.694978	34.52709	34.726562	35.090842	35.237924	35.935328	35.927479
808782.848	750533.609	424036.04	817538.962	854720.239	1246302.01	959572.023	896174.05	840561.38	807980.384	697853.604
680575.473	579663.826	340780.08	699600.674	765933.904	1653425.34	1175039.81	904036.521	793773.45	582462.048	524798.613
-128207.37	-170869.78	-83255.96	-117938.29	-88786.336	407123.328	215467.789	7862.47003	-46787.934	-225518.34	-173054.99
680575.473	579663.826	340780.08	699600.674	765933.904	1653425.34	1175039.81	904036.521	793773.45	582462.048	524798.613
395.04	367.45	201.42	383.82	379.77	410.31	339.46	362.38	355.99	409.54	354.54
52459.8466	227253.628	154415.463	196762.306	92361.1658	289343.171	264828.903	315435.13	440238.09	94476.3415	83084.2373
58714.9017	243929.107	162152.953	219872.124	104130.767	419915.84	372784.414	388900.318	502731.8	95703.1995	83072.4304

29.845987	42.293984	50.894027	44.473217	31.539425	38.773654	43.689685	49.729802	58.108359	30.167041	29.799077
1559.13066	6730.06901	4559.96163	5850.01663	2762.33533	8543.52225	7800.32726	9213.5758	12752.039	2748.98904	2377.72516
24.438454	23.077131	25.507794	25.740652	26.682803	32.417471	30.112872	27.280924	27.862651	23.265833	24.141018
24.273187	20.533553	23.68442	24.865052	26.555067	32.331859	29.949677	26.234241	24.422899	21.812143	22.492658
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
56.165573	55.338041	30.152051	57.932428	62.544377	84.994283	78.310471	67.715173	64.312956	52.649551	52.239722
-261731.09	-294663.72	-151780.25	-252570.61	-230028.53	205277.873	60117.7968	-137177.37	-182646.86	-356558.34	-285956.08
-261731.09	-294663.72	-151780.25	-252570.61	-230028.53	205277.873	60117.7968	-137177.37	-182646.86	-356558.34	-285956.08
21356.4233	14519.739	7259.64237	17380.8874	21755.0607	27494.0538	19764.9587	16179.6142	10915.129	19574.421	16846.4928
748645.862	514222.681	257199.137	611201.796	755285.754	948600.74	688144.62	573876.481	392844.99	705409.882	607642.986
9.29	20.21	10.2	24.92	17.73	109.65	70.74	49.37	38.97	7.31	7.6
128207.375	170869.783	83255.9602	117938.288	88786.3356	-407123.33	-215467.79	-7862.47	46787.934	225518.336	173054.99
69492.4732	-73059.325	-78896.993	-101933.84	-15344.432	-827039.17	-588252.2	-396762.79	-455943.86	129815.136	89982.5599
332.82	220.11	109.95	252.47	296.77	191.2	166.9	186.14	140.75	312.04	267.82
	0.002604	0.466836								
95650.5894	71076.6897	39587.689	86879.6978	101593.651	110665.659	86933.1651	81228.8416	70932.387	81303.777	74320.9034
0.89	1.05	1.44	1.11	0.82	0.95	0.75	0.78	0.85	0.92	0.81
7677.14	9057.3	12421.44	9574.86	7073.32	8358.1	6598.5	6862.44	7478.3	8094.16	7126.38
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.3	939020.393	810754.693
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.3	939020.393	810754.693
763524.2	706626.624	392230.449	769865.42	807438.39	1177761.16	906939.496	846904.983	793558.91	762606.129	658622.78
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
7677.14	9057.3	12421.44	9574.86	7073.32	8358.1	6598.5	6862.44	7478.3	8094.16	7126.38
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.3	939020.393	810754.693
37581.5086	34849.6851	19384.1506	38098.6826	40208.5294	60182.7519	46034.0276	42406.6273	39524.171	37280.0947	32104.4441
33.64	108.58	68.84	92.54	55	58.73	63.74	106.52	156.04	74.66	63.91

0.029901	0.023125	0.021454	0.032525	0.031709	0.023632	0.027386	0.03	0.028315	0.029339	0.038315

1187.4	1125.36	1150.77	1160.97	1138.71	1241.94	1027.08	1094.16	1072.74	1234.68	1061.7
2.910294	2.930625	2.935637	2.895187	2.904872	2.929103	2.91784	2.91776	2.915054	2.911981	2.885054
1224	1152	1176	1200	1176	1272	1056	1128	1104	1272	1104
3	3	3	2.992518	3	3	3	3.008	3	3	3

11.590524	11.774371	11.543026	11.506495	11.444647	11.278546	11.323032	11.444074	11.472089	11.736065	11.711389
0.660034	0.608255	0.689335	0.70269	0.722974	0.842463	0.810119	0.746828	0.720802	0.598355	0.608143
0.629415	0.533608	0.659146	0.66598	0.637871	0.805874	0.767677	0.714598	0.682351	0.365496	0.582941
301500.826	240098.491	300936.472	309579.453	288338.106	397254.683	315334.477	316848.165	294593.77	186384.805	259510.161
1208.64376	1216.75547	1482.19857	1323.33092	1047.43814	1434.82461	1199.46714	1375.38289	1436.3995	914.252346	1199.13026
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
0.044387	0.048489	0.042882	0.05105	0.043163	0.043891	0.05517	0.044308	0.051603	0.050589	0.042554
127484.191	102293.02	127487.193	130938.927	121950.846	164365.965	130423.555	131072.404	123048.97	77718.6138	107652.542
151071.823	120867.428	151050.628	154952.846	144236.344	201324.654	159907.534	160806.807	150761.17	94559.4441	131975.436
2.2673	2.267299	2.2673	2.2673	2.2673	2.3146	2.3146	2.3146	2.3146	2.314599	2.314599
138613.561	111223.201	138616.825	142369.896	132597.155	179914.985	142761.623	143471.853	134689.4	85070.7946	117836.472
16724.85	14445.85	16133.17	16281.09	14840.59	17431.77	14300.94	15451.62	14966.58	11146.46	15150.62
40.992279	37.619401	41.156045	40.601221	37.858647	41.112665	40.62767	41.20432	40.670054	26.28882	41.170163
17544	16512	16856	17200	16856	18232	15136	16168	15824	18232	15824
43	43	43	42.892768	43	43	43	43.114666	43	43	43
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
27.87871	29.023445	27.702974	27.712151	27.933753	27.610971	27.860249	28.100712	28.143789	29.487293	28.779477
27.337781	27.757289	27.232792	27.151404	27.014458	27.182849	27.285633	27.565366	27.632333	28.260102	28.186355
307004.585	250947.266	306590.22	315381.866	297212.385	403086.108	320948.312	322311.879	302311.5	194726.973	264871.151
315453.937	234982.446	305932.486	327746.438	321212.257	643876.725	471209.07	389331.971	343139.54	169815.086	247220.552
8449.35197	-15964.82	-657.73436	12364.5721	23999.872	240790.617	150260.758	67020.0917	40828.042	-24911.888	-17650.599
315453.937	234982.446	305932.486	327746.438	321212.257	643876.725	471209.07	389331.971	343139.54	169815.086	247220.552
388.95	335.95	375.19	378.63	345.13	405.39	332.58	359.34	348.06	259.22	352.34
	1419.85447	619.302053					23.951691	2626.1081	508.910325	356.407947
	1723.32683	729.873429					29.440633	3271.9988	580.355815	340.299102
	6.273938	4.046544					0.243913	7.184545	3.452179	2.830249
	54.373474	23.481544					0.912646	98.418413	18.952422	12.813461
24.308419	24.259569	24.758337	25.63179	26.711092	33.960531	38.484299	27.773355	26.697343	22.314413	22.991105
6.806357	18.373052	23.445332	7.176901	6.677773	7.471316	10.39076	10.271246	24.488538	19.09929	18.122511
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
27.064877	22.945182	28.343316	28.56576	27.428494	34.652594	33.010113	30.80968	29.341114	15.716367	25.066467
-58186.634	-69433.382	-67295.29	-56077.205	-39743.835	154876.527	82088.3658	-1491.4538	-23489.653	-65535.407	-73920.582
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11042.47	8756.57653	11087.0985	11454.87	10751.97	14692.7	11619.56	11552.7174	10699.112	6644.78758	9211.64654
301500.826	240098.491	300936.472	309579.453	288338.106	397254.683	315334.477	316848.165	294593.77	186384.805	259510.161
								0.01		
-8449.352	15964.8201	657.734356	-12364.572	-23999.872	-240790.62	-150260.76	-67020.092	-40828.042	24911.8876	17650.5988
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3.02	3.84	30.98	3.26	2.87	2.19	2.64	3.58	2.3	11.9	11.18
0.00245	0.080729		0.0025	0.079081				0.002717	0.356132	
93531.9728	61990.3188	73793.3145	84843.42	88386.8012	108502.823	84020.8372	79692.1765	68597.157	49605.6373	72934.6548
1.29	2.21	1.18	1.36	2.08	1.34	1.29	1.25	1.17	1.8	1.15
5503.7592	9428.9208	5034.4464	5802.4128	8874.2784	5831.4254	5613.8349	5439.7625	5091.6177	7833.258	5004.5815
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.19	235350.493	321141.135
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.19	235350.493	321141.135
289685.383	232090.629	289667.453	297322.742	276833.498	381239.64	302669.157	304278.66	285450.57	179630.239	249811.908
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
5503.7592	9428.9208	5034.4464	5802.4128	8874.2784	5831.4254	5613.8349	5439.7625	5091.6177	7833.258	5004.5815
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.19	235350.493	321141.135
11815.4429	9427.7165	11888.3206	12256.7109	11504.6079	16015.043	12665.3204	12593.4567	11769.308	7263.4766	10054.6614
	0.05	0.35						0.16	0.17	

0.019191	0.028541	0.026173	0.030475	0.029719	0.024716	0.037187	0.029521	0.021875	0.022193	0.044239

1200.51	1119.12	1145.22	1163.43	1141.05	1240.56	1016.73	1094.7	1079.85	1243.77	1055.16
2.942426	2.914375	2.921479	2.901321	2.910841	2.925849	2.888437	2.9192	2.934375	2.933419	2.867282
1224	1152	1176	1200	1176	1272	1056	1128	1104	1272	1104
3	3	3	2.992518	3	3	3	3.008	3	3	3

4.357333	2.535774	0.14		8.277636	8.896725	5.905401	3.088224	1.41001	2.675138
0.004387	0.00488	0.000023		0.016878	0.025959	0.005453	0.002559	0.001711	0.003586
0.004333	0.004703	0.00002		0.016386	0.025261	0.005292	0.00251	0.001679	0.003543
1005.49678	106.532893			1616.86137	741.709562	159.970393	39.736763	121.276549	705.123368

3.28576	0.398385				5.541373	2.684924	0.639356	0.179505	0.539573	2.583422
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
0.025036	0.033828	0.033992	0.031262	0.034362	0.027429	0.022741	0.027234	0.037133	0.033691	0.028084
1248.4	1284.3	5.6			4885.8	6305.4	1404.7	651	503.2	922.4
6293.50543	6158.20587	30.657733			20580.6708	27812.9768	6050.8535	3407.8311	2118.98833	4667.2943
1.552992	0.865789	0.054745			2.598953	2.889048	1.848791	1.137548	0.440625	0.949397
193.101532	21.452632				398.308831	156.633709	40.122937	7.431829	26.936697	151.097465
19955.4	18482.4	18934.8	19377.6	18929.8	20624.2	17187.6	18261.9	17678.8	20502.7	17937.7
48.910294	48.13125	48.303061	48.323192	48.290306	48.641981	48.828409	48.6984	48.040217	48.355424	48.74375
20400	19200	19600	20000	19600	21200	17600	18800	18400	21200	18400
50	50	50	49.875311	50	50	50	50.133333	50	50	50
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
31.418022	17.052856	0.766443			46.455038	63.268967	34.946311	18.757115	9.080194	19.199498
21.858212	12.242737	0.766443			37.149988	41.022109	26.184864	16.125376	6.228898	13.393601
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.5231	2130.92833	4676.2403
7054.07212	7311.61294	33.159429			22938.8024	33281.3696	6860.53625	3778.5828	2371.83742	5455.62683
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.05962	240.909091	779.386527
7054.07212	7311.61294	33.159429			22938.8024	33281.3696	6860.53625	3778.5828	2371.83742	5455.62683
307.94	147.59	131.27	96	102.95	277.74	276.99	225.79	158.25	178.9	198.11
5297.28165	6064.72798	30.657733			19205.0414	27188.6092	5930.56511	3379.7864	2009.65178	3971.11693
5947.47678	7193.49171	33.159429			21070.1502	32402.1534	6685.10241	3738.7553	2248.91483	4585.58611
5.887222	3.880975	0.4			11.982803	13.877289	8.679846	4.484577	2.075483	3.913079
74.628461	88.767669	0.4			318.949369	433.411877	96.634075	45.669155	33.67595	54.574843
71.779812	73.533448				61.861901	68.772277	58.659308	75.206321	62.301597	70.904596
12.202568	2.206003				15.928651	11.003564	4.09076	1.504126	2.492063	4.254275
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
0.216666	0.235156	0.00102			0.819339	1.263068	0.265333	0.125543	0.083962	0.177173
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.05962	240.909091	779.386527
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.05962	240.909091	779.386527
13.771538	1.53233				28.45063	11.188122	2.865924	0.530844	1.924049	10.625156
1005.49678	106.532893				1616.86137	741.709562	159.970393	39.736763	121.276549	705.123368
1.21	1.24	0.01			5.05	5.97	1.67	0.74	0.6	0.74
-751.29369	-1140.3521	-2.501696			-2116.8996	-5351.0508	-770.00075	-359.05962	-240.90909	-779.38653
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0.12	0.01				0.1	0.06	0.01	0.01	0.02	0.11

706.0124	604.6197	1.9906			2623.4376	3483.8158	683.6992	276.8247	221.2588	480.9575
0.01	0.01				0.42	0.15	0.07	0.02	0.02	0.01
4.881	4.881				232.056	83.862	34.846	9.956	9.956	4.978
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.5231	2130.92833	4676.2403
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.5231	2130.92833	4676.2403
6293.50543	6158.20587	30.657733			20580.6708	27812.9768	6050.8535	3407.8311	2118.98833	4667.2943
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
4.881	4.881				232.056	83.862	34.846	9.956	9.956	4.978
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.5231	2130.92833	4676.2403
4.392	8.174				9.176	33.48	4.836	1.736	1.984	3.968
					0.02	0.07	0.02			

0.030686	0.024973	0.027551	0.02535	0.034234	0.032735	0.025767	0.031622	0.021711	0.033042	0.032989

1581.92	1497.64	1524.8	1559.44	1514.32	1640.48	1371.72	1456.44	1440.04	1639.96	1423.44
3.877254	3.900104	3.889795	3.888877	3.863061	3.869056	3.896931	3.88384	3.913152	3.86783	3.868043
1632	1536	1568	1600	1568	1696	1408	1504	1472	1696	1472
4	4	4	3.990024	4	4	4	4.010666	4	4	4

10.549824	10.661461	10.507401	10.497966	10.485144	10.228182	10.284529	10.379329	10.416111		10.629468
0.402194	0.396004	0.437301	0.447463	0.476957	0.688802	0.655453	0.539965	0.503172		0.352395
0.377942	0.376454	0.411482	0.426052	0.451777	0.655057	0.622924	0.511888	0.475671		0.181526
289232.624	251224.607	272662.918	312536.036	327264.676	512030.546	404176.292	350097.945	273297.25		127354.616
1138.71592	1245.31157	1326.59713	1326.19102	1188.29632	1847.60459	1538.55229	1505.673	1320.6257		545.115924
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
0.064705	0.053932	0.062678	0.051	0.058903	0.05033	0.058153	0.053829	0.053559	0.062405	0.057798
94720.0442	88990.1792	98316.1214	103958.71	107258.878	164499.674	130274.223	115780.242	105875.02		41340.8834
112907.002	105200.552	117219.649	123501.968	127333.711	201785.841	160115.389	142636.116	130362.12		50804.9336
2.994199	2.994199	2.994199	2.994199	2.9942	3.056	3.056	3.056	3.056		3.056
171841.104	161445.983	178365.107	188601.891	194589.057	302021.401	239183.474	212572.524	194386.53		75901.8619

22361.76	21288.794	21531.398	22244.56	21618.126	23595.876	19427.658	20847.536	20354.71		11077.158
54.808235	55.439567	54.927035	55.472718	55.14828	55.65065	55.19221	55.593429	55.311711		30.100972
23908.8	22502.4	22971.2	23440	22971.2	24846.4	20627.2	22033.6	21564.8	24846.4	21564.8
58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
36.205853	36.660387	36.195601	34.793608	36.202194	34.262848	34.918297	35.255372	35.222621		42.795335
32.117707	32.456459	31.991002	31.965557	31.928672	31.796271	31.966441	32.257084	32.370353		33.02487
319432.737	297735.885	331461.786	340140.805	360235.029	545923.907	430844.815	388654.593	355658.96		162419.596
293102.698	258287.467	288965.989	317970.08	340156.956	763965.738	564546.294	421740.214	364568.55		121636.025
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381.6	363.29	367.43	379.6	368.91	402.66	331.53	355.76	347.13		189.03
394.999423	19996.3392	28026.0553	4960.62379	262.143717	728.397034	2189.62072	11313.9992	57093.168		1505.19543
418.309622	23166.6466	31606.9683	5729.74902	288.967257	1037.21605	3067.50383	13991.7498	71324.915		1579.7556
3.389905	15.52009	18.010954	10.529222	2.762046	5.467417	7.269362	13.575616	22.502668		6.380472
12.595586	646.277531	904.803648	160.975982	8.369308	22.721506	70.180075	360.030654	1809.9164		46.420246
26.230096	24.788207	24.571416	26.39879	27.439265	36.605645	33.822111	28.511883	29.354101		26.166521
24.076348	22.47543	24.356777	25.926921	24.681943	35.863228	31.764799	28.208086	28.090105		22.255999
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
22.147406	22.060239	24.112892	24.904408	26.474163	38.386372	36.503357	30.076629	27.874326		10.637429
-75840.206	-85963.585	-93885.633	-76509.942	-76142.288	132057.852	65607.1431	-27432.711	-46431.281		-62392.451
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9023.54641	7824.85447	8547.45035	9825.69202	10369.5027	16253.1005	12779.0019	10918.7053	8447.8356		3868.15375
289232.624	251224.607	272662.918	312536.036	327264.676	512030.546	404176.292	350097.945	273297.25		127354.616
0.01	0.28	3.14	0.09	0.05	0.41	0.31	0.61	1.19		0.04
26330.039	39448.4181	42495.7966	22170.7246	20078.0722	-218041.83	-133701.48	-33085.621	-8909.5911		40783.5708
25911.7293	16281.7715	10888.8282	16440.9755	19789.1049	-219079.05	-136768.98	-47077.371	-80234.506		39203.8152
20.19	21.53	143.97	24.87	18.18	20.79	18.05	17.88	15.06		10.83
								0.002717	1	0.453804
85597.8175	65776.7886	67155.5575	80772.9054	89413.1348	99934.74	78736.1637	74087.0798	64953.977		37101.6098
1.54	1.37	1.59	1.17	1.69	1.68	1.24	1.38	1.28		1.7
29805.1138	26514.9389	30772.8123	22644.1449	32708.2093	33164.964	24478.902	27242.649	25268.544		33559.785
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.84		184028.476
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.84		184028.476
284748.107	266646.535	295584.756	312103.859	321922.768	503807.241	399298.863	355208.639	324748.66		126706.796

9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
29805.1138	26514.9389	30772.8123	22644.1449	32708.2093	33164.964	24478.902	27242.649	25268.544		33559.785
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.84		184028.476
4879.51668	4574.41128	5104.21716	5392.80072	5604.05088	8951.7021	7067.0501	6203.3048	5641.7636		2153.0157
0.19	1.94	21.46	0.86	0.18	0.42	0.45	1.66	3.86		0.44
3.15	1.65				5.7	7.35	3.45	1.05	0.75	2.25
0.002964	0.003998				0.010444	0.020463	0.002932	0.001419	0.000962	0.002913
0.002769	0.003932				0.010117	0.020056	0.002792	0.001385	0.000919	0.00288
76.632499	9.827081				166.940688	14.459273				150.669803
0.240458	0.032201				0.55822	0.048049				0.568079
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
0.037696	0.03276	0.030382	0.030625	0.033163	0.023962	0.021875	0.02992	0.031847	0.033231	0.025054
237.3	317.1				900.9	1482.6	220.5	107.1	81.9	222.6
1199.11955	1523.58543				3616.65812	6343.92346	933.31668	559.41861	338.370777	1130.12788
1.057613	0.537371				1.581993	2.179415	1.018997	0.364247	0.212935	0.758261
14.256842	2.1				40.048324	4.056496				33.343348
5496.68	5199.88	5321.26	5428.5	5306	5793.76	4820.2	5106.5	4987.92	5738.74	5022.92
13.472254	13.541354	13.574642	13.537406	13.535714	13.664528	13.69375	13.617333	13.55413	13.534764	13.649239
5712	5376	5488	5600	5488	5936	4928	5264	5152	5936	5152
14	14	14	13.965087	14	14	14	14.037333	14	14	14
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
16.614199	8.060571				25.547573	33.049561	15.284959	5.463709	3.194028	11.373917
16.614199	8.060571				25.547573	33.049561	15.284959	5.463709	3.194028	11.373917
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.41861	338.370777	1130.12788
1331.44034	1783.85901				4012.49639	7546.82281	1049.24508	626.79222	386.649776	1308.28564
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
1331.44034	1783.85901				4012.49639	7546.82281	1049.24508	626.79222	386.649776	1308.28564
156.28	96.79	85.9	50.98	53.37	142.86	139.23	111.85	83.67	98.21	115.65
1132.98705	1513.75835				3649.21743	6381.96419	933.31668	559.41861	338.370777	979.458074
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2.717581	1.54				5.268456	6.841971	3.22	0.98	0.7	2.077889
14.869543	21				57.390111	98.569566	14.7	7.14	5.46	12.61711
79.89265	71.322848				65.953128	53.467095				77.907925
3.994632	0.713228				4.477329	0.53467				1.558158

15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
0.038774	0.055052				0.14165	0.280795	0.0392	0.019402	0.012877	0.040326
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
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76.632499	9.827081				166.940688	14.459273				150.669803
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0.03	0.01				0.12					0.06
320.0632	332.8583				1218.2494	1874.7697	261.9033	110.3095	85.555	274.0707
0.01					0.19	0.05				
10.5					199.5	52.5				
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.41861	338.370777	1130.12788
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.41861	338.370777	1130.12788
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15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
10.5					199.5	52.5				
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.41861	338.370777	1130.12788
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11.137832	11.200774	11.090472	11.074524	11.029648	10.751853	10.824596	10.942582	10.982884	11.344732	11.29453
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5381.29851	5023.54785	4038.84684	5251.32023	4976.94058	6788.13928	5384.82608	5366.64557	4660.0616	4386.32954	4578.39034
43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
0.034019	0.035705	0.034088	0.034736	0.034682	0.031717	0.034018	0.034129	0.034594	0.035707	0.035918
483788.971	433298.422	357244.414	492774.485	499497.303	742554.438	581518.942	531515.731	494707.6	331624.278	368986.084
597756.71	530497.025	425715.359	585481.037	592109.022	1008120.17	796279.109	678560.551	630954.25	413778.086	467474.855
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771158.751	699802.089	553414.997	795500.939	814521.776	1186715.69	924377.219	862476.764	803451.52	542620.288	587952.565
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32.71304	33.088864	31.397986	32.220745	32.24672	33.060293	33.249294	32.925361	33.03851	34.344324	33.638176
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1330269.25	1106951.97	937773.722	1347386.74	1427824.64	3234968.47	2364861.01	1761029.68	1541514	771151.2	921188.854
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1830.54	1431.54	1309.55	1405.76	1368.65	1905.14	1641.91	1617.1	1465.24	1067.19	1349.88
73294.1432	274332.04	184133.703	203462.495	92895.3184	413541.032	378891.175	362937.394	534013.36	107479.713	101563.455
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31.190952	25.425539	25.422921	26.376144	27.605931	40.796693	37.770912	31.876732	29.328994	25.542985	28.007746
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41680.0234	31146.8503	26910.4935	38665.3268	42880.1115	58963.2516	44423.6279	38724.5615	30086.625	26300.0565	30035.8275
1354199.38	1008130.65	831689.028	1233562.63	1371116.98	1887438.19	1422552.4	1244620.81	962153.19	895987.527	1000860.12
15.8	26.82	13.76	25.53	17.88	146.95	98.22	59.17	49.38	11.53	12.22
140210.293	220511.886	126277.708	127659.803	84843.4725	-886634.76	-526726.19	-113926.63	-7508.9787	248243.457	226925.464
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358.09	245.83	285.1	280.64	317.85	217.33	188.83	207.99	158.27	324.54	290.58
0.000222	0.007575	0.042439	0.000227	0.007189				0.000494	0.123284	0.041254
278224.929	201244.59	180672.758	252634.071	279432.644	334172.388	262717.836	238438.228	206899.61	132259.145	186451.052
3.9	4.77	4.23	3.68	4.59	5.61	3.99	3.8	3.53	2.94	3.76
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.255	16028.648	45736.7978
1720149.41	1551241.52	1250603.12	1732459.85	1773718.23	2722077.24	2129751.54	1921172.77	1789522.5	1191058.19	1338894.27
1720149.41	1551241.52	1250603.12	1732459.85	1773718.23	2722077.24	2129751.54	1921172.77	1789522.5	1191058.19	1338894.27
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43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.255	16028.648	45736.7978

1720149.41	1551241.52	1250603.12	1732459.85	1773718.23	2722077.24	2129751.54	1921172.77	1789522.5	1191058.19	1338894.27
58491.0975	52100.5339	36683.4271	56025.2486	57381.5044	105241.753	80418.1401	66340.0068	61654.988	46967.6353	46950.1012
33.83	110.57	90.65	93.4	55.18	59.46	64.9	108.72	160.06	74.83	64.35
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.9	1964887.63	1933840.33
685756.379	226229.751	349761.406	386353.117	644422.797	400201.069	329719.494	243659.719	133459.33	388406.596	372741.424
2706.11929	1087.09726	1701.46608	1633.94223	2333.26821	1422.60466	1229.04896	1043.73544	639.28345	1886.09603	1669.32796
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.043	86443.9851	79357.276
685756.379	226229.751	349761.406	386353.117	644422.797	400201.069	329719.494	243659.719	133459.33	388406.596	372741.424
357.28	244.63	285.94	279.45	317.71	215.85	187.46	206.12	156.49	335.39	289.47
202.306094	158.258202	152.747546	163.486572	201.926164	175.239356	173.293991	147.24774	119.00185	150.118473	173.397676
85.74974	54.732379	57.476557	63.295704	85.802208	62.233306	66.927865	54.672756	41.046913	58.234913	60.413503
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.9	1964887.63	1933840.33
3346780.44	1978834.9	2356755.12	2866755.81	3615804.14	5233421.32	3799834.16	2900778.37	2307544.2	2353294.22	2306581.75
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.043	86443.9851	79357.276
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.9	1964887.63	1933840.33
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.9	1964887.63	1933840.33
685756.379	226229.751	349761.406	386353.117	644422.797	400201.069	329719.494	243659.719	133459.33	388406.596	372741.424
2706.11929	1087.09726	1701.46608	1633.94223	2333.26821	1422.60466	1229.04896	1043.73544	639.28345	1886.09603	1669.32796
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.043	86443.9851	79357.276
685756.379	226229.751	349761.406	386353.117	644422.797	400201.069	329719.494	243659.719	133459.33	388406.596	372741.424
357.28	244.63	285.94	279.45	317.71	215.85	187.46	206.12	156.49	335.39	289.47
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3346780.44	1978834.9	2356755.12	2866755.81	3615804.14	5233421.32	3799834.16	2900778.37	2307544.2	2353294.22	2306581.75
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.9	1964887.63	1933840.33

3437.55864	3897.57342	4671.02358	4540.16758	4405.25445	5386.03617	4173.35315	3968.29378	4166.4712	4708.45863	3639.02128
84096.2684	88839.9009	117404.055	119855.419	120811.068	219419.983	155615.846	120422.273	120386.25	105950.12	84903.3526
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3437.55864	3897.57342	4671.02358	4540.16758	4405.25445	5386.03617	4173.35315	3968.29378	4166.4712	4708.45863	3639.02128
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84096.2684	88839.9009	117404.055	119855.419	120811.068	219419.983	155615.846	120422.273	120386.25	105950.12	84903.3526
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3437.55864	3897.57342	4671.02358	4540.16758	4405.25445	5386.03617	4173.35315	3968.29378	4166.4712	4708.45863	3639.02128
84096.2684	88839.9009	117404.055	119855.419	120811.068	219419.983	155615.846	120422.273	120386.25	105950.12	84903.3526
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83178.1632	118503.86	115951.56	112280.587	102939.271	15552.9005	38129.1065	96014.4951	117586	177048.396	119324.559
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.043	86443.9851	79357.276
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.97	378581.701	267677.508
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5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.1635	8943.57905	6323.58866
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.97	378581.701	267677.508
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.97	378581.701	267677.508
5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.1635	8943.57905	6323.58866
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214482.416	256241.509	291299.32	306265.646	305023.553	358370.235	306084.107	323012.157	347546.43	366557.48	259753.159
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214482.416	256241.509	291299.32	306265.646	305023.553	358370.235	306084.107	323012.157	347546.43	366557.48	259753.159
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.043	86443.9851	79357.276
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.43	366557.48	259753.159
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.43	366557.48	259753.159
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.4294	10045.4229	7118.47517
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.43	366557.48	259753.159
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.43	366557.48	259753.159
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85906.8261	88391.2192	114261.521	116394.878	118410.433	216932.386	151641.739	117215.798	118880.53	103401.975	86818.7734
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76370.7775	84067.6434	112855.521	116618.011	111462.672	207774.52	147535.156	119934.618	114578.4	102355.068	80489.7221
3081.58576	3665.21969	4482.68711	4420.22882	4041.80337	5073.01762	3958.53814	3952.96485	3962.278	4533.10237	3417.12705
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101558.378	72826.7037	78440.4576	91567.196	103662.376	117557.745	92854.3021	86738.5718	75556.043	86443.9851	75554.1116
3081.58576	3665.21969	4482.68711	4420.22882	4041.80337	5073.01762	3958.53814	3952.96485	3962.278	4533.10237	3417.12705
3081.58576	3665.21969	4482.68711	4420.22882	4041.80337	5073.01762	3958.53814	3952.96485	3962.278	4533.10237	3417.12705
76370.7775	84067.6434	112855.521	116618.011	111462.672	207774.52	147535.156	119934.618	114578.4	102355.068	80489.7221
76370.7775	84067.6434	112855.521	116618.011	111462.672	207774.52	147535.156	119934.618	114578.4	102355.068	80489.7221
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.15	182967.924	193091.231
838.573081	781.540951	652.213609	652.273713	658.271447	727.284729	674.819011	823.441969	1023.9574	901.509309	912.47622
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.2231	3571.49959	3769.10465
101633.628	65858.4389	63320.2276	76333.0332	95357.5307	159328.561	128121.59	108879.199	113528.71	80187.7184	87800.4803
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.2231	3571.49959	3769.10465
9.859267	7.804905	6.533425	7.379789	8.93626	9.264424	9.830517	9.829842	11.044084	8.423348	10.242132

-104443.2	-87682.156	-67885.074	-75271.675	-84101.885	-41908.819	-49151.738	-79964.358	-94681.434	-102780.21	-105290.75
-104443.2	-87682.156	-67885.074	-75271.675	-84101.885	-41908.819	-49151.738	-79964.358	-94681.434	-102780.21	-105290.75
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.2231	3571.49959	3769.10465
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.15	182967.924	193091.231
104443.196	87682.1555	67885.0738	75271.6752	84101.8851	41908.8187	49151.7378	79964.3584	94681.434	102780.206	105290.751
104443.196	87682.1555	67885.0738	75271.6752	84101.8851	41908.8187	49151.7378	79964.3584	94681.434	102780.206	105290.751
99431.4387	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	85241.5741	74537.587	86443.9851	77647.2343
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.15	182967.924	193091.231
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.15	182967.924	193091.231
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.2231	3571.49959	3769.10465
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.15	182967.924	193091.231
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.15	182967.924	193091.231
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.2231	3571.49959	3769.10465
101633.628	65858.4389	63320.2276	76333.0332	95357.5307	159328.561	128121.59	108879.199	113528.71	80187.7184	87800.4803
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206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.15	182967.924	193091.231

256167.456	278695.303	345949.062	322338.995	295646.729	379132.716	227661.253	323434.418	359538.36	322304.43	290139.866
1049.9493	1423.99963	1721.48161	1388.88635	1093.46914	1382.16053	871.559676	1419.43726	1769.2359	1592.95106	1386.23473
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.4868	3981.52477	3584.18612
78740.2593	76907.1998	108295.858	105019.056	101267.547	195662.043	104554.859	115902.403	124550.59	88752.2325	80952.4563
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.4868	3981.52477	3584.18612
7.950632	9.190439	11.175422	10.179028	9.584588	11.631188	7.989684	10.654623	12.069257	9.390388	9.739636
-177427.2	-201788.1	-237653.2	-217319.94	-195462.04	-203068.94	-123106.39	-207532.02	-234987.77	-233552.2	-209187.41
-177427.2	-201788.1	-237653.2	-217319.94	-195462.04	-203068.94	-123106.39	-207532.02	-234987.77	-233552.2	-209187.41
3243.85787	3529.12882	4380.76564	4081.79049	3743.6377	4687.19579	2812.36878	3995.48385	4441.4868	3981.52477	3584.18612
256167.456	278695.303	345949.062	322338.995	295646.729	379132.716	227661.253	323434.418	359538.36	322304.43	290139.866
177427.196	201788.103	237653.204	217319.939	195462.043	203068.939	123106.394	207532.015	234987.77	233552.197	209187.41
177427.196	201788.103	237653.204	217319.939	195462.043	203068.939	123106.394	207532.015	234987.77	233552.197	209187.41
101558.378	76752.5183	79919.385	93531.9819	107449.778	116690.338	91043.1638	86738.5718	75531.244	86356.5667	79228.2505
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.36	322304.43	290139.866
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.36	322304.43	290139.866
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.4868	3981.52477	3584.18612
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.36	322304.43	290139.866
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.36	322304.43	290139.866

3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.4868	3981.52477	3584.18612
78740.2593	76907.1998	108295.858	105019.056	101267.547	195662.043	104554.859	115902.403	124550.59	88752.2325	80952.4563
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256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.36	322304.43	290139.866
897393.629	951694.261	1067627.86	1094992.25	1093579.44	1308755.51	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76
3663.08885	4847.88309	5293.46897	4710.45669	4022.12716	4748.23125	3916.185	5108.50507	6255.6141	6166.76809	4799.03347
28828.946	31719.5723	36268.6252	36834.9237	36433.1507	44235.6917	34328.1127	36189.7407	38756.382	40383.3579	31581.7206
718625.528	711459.189	905405.214	964266.253	996192.763	1793444.97	1277622.95	1086578.2	1104741.9	908546.179	736227.847
	15.418572									0.516825
	0.012418									0.003523
	0.42006									0.024667
21.190295	21.726429	23.932697	30.41143	20.223443	31.656466	33.709662	8.875574	20.030682	22.909274	22.691219
1.271417	1.955378	6.940482	1.824685	1.617875	0.949694	0.337096	0.177511	2.403681	13.516471	2.722946
28828.946	31719.5723	36268.6252	36834.9237	36433.1507	44235.6917	34328.1127	36189.7407	38756.382	40383.3579	31581.7206
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28828.946	31719.1522	36268.6252	36834.9237	36376.5405	42988.2873	34328.1127	36189.7407	38756.382	40383.3579	31581.6959
897393.629	951694.261	1067627.86	1094992.25	1093579.44	1308755.51	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76
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0.28	0.78	2.49	0.43	1.09	0.26	0.05	0.12	0.29	13.1	0.85
705182.59	527901.147	555898.068	649105.445	745351.801	822036.81	643501.948	603386.738	526705.82	601520.764	545719.172
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76
28828.946	31719.5723	36268.6252	36834.9237	36433.1507	44235.6917	34328.1127	36189.7407	38756.382	40383.3579	31581.7206
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76
28828.946	31719.5723	36268.6252	36834.9237	36433.1507	44235.6917	34328.1127	36189.7407	38756.382	40383.3579	31581.7206
718625.528	711459.189	905405.214	964266.253	996192.763	1793444.97	1277622.95	1086578.2	1104741.9	908546.179	736227.847
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897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76

11.137832	11.200774	11.090472	11.074524	11.029648	10.751853	10.824596	10.942582	10.982884	11.344732	11.29453
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2937349.39	2186054.67	2249078.29	2714908	3109119.22	3596394.77	2779340.76	2657038.43	2370084.4	2534805.66	2384263.31
11750.5066	10958.5282	11033.7819	11595.7192	11332.3359	12958.9752	10530.06	11518.8861	11554.959	12439.1937	11046.7518
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3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
0.034019	0.035705	0.034088	0.034736	0.034682	0.031717	0.034018	0.034129	0.034594	0.035707	0.035918
483788.971	433298.422	357244.414	492774.485	499497.303	742554.438	581518.942	531515.731	494707.6	331624.278	368986.084
597756.71	530497.025	425715.359	585481.037	592109.022	1008120.17	796279.109	678560.551	630954.25	413778.086	467474.855
2.818469	2.835554	2.729842	2.796536	2.809589	2.938536	2.939032	2.886647	2.886259	2.886247	2.852531
771158.751	699802.089	553414.997	795500.939	814521.776	1186715.69	924377.219	862476.764	803451.52	542620.288	587952.565
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144134.205	133680.254	118677.068	140996.515	137408.706	150220.131	124239.243	132805.466	129794.5	120048.33	120763.618
353.27011	348.125661	302.747622	351.612256	350.532413	354.292761	352.952394	354.147909	352.70245	283.132853	328.162005
149776.8	140966.4	143903.2	146840	143903.2	155650.4	129219.2	138029.6	135092.8	155650.4	135092.8
367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999	368.078933	367.1	367.099999	367.099999
43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
172.925273	149.842645	107.223041	107.247527	104.042745	212.810969	237.436136	188.668811	159.27896	91.849106	160.101233
32.71304	33.088864	31.397986	32.220745	32.24672	33.060293	33.249294	32.925361	33.03851	34.344324	33.638176
1470479.54	1327463.85	1064051.43	1475046.54	1512668.11	2348333.72	1838134.82	1647103.06	1534005	1019394.66	1148114.32
1330269.25	1106951.97	937773.722	1347386.74	1427824.64	3234968.47	2364861.01	1761029.68	1541514	771151.2	921188.854
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.043	86443.9851	79357.276
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2048894.77	1818411.16	1843178.94	2311652.99	2424017.4	5028413.44	3642483.96	2847607.89	2646255.9	1679697.38	1657416.7
1830.54	1431.54	1309.55	1405.76	1368.65	1905.14	1641.91	1617.1	1465.24	1067.19	1349.88
73294.1432	274332.04	184133.703	203462.495	92895.3184	413541.032	378891.175	362937.394	534013.36	107479.713	101563.455
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
685756.379	226229.751	349761.406	386353.117	644422.797	400201.069	329719.494	243659.719	133459.33	388406.596	372741.424
357.28	244.63	285.94	279.45	317.71	215.85	187.46	206.12	156.49	335.39	289.47
202.306094	158.258202	152.747546	163.486572	201.926164	175.239356	173.293991	147.24774	119.00185	150.118473	173.397676

5.716649	3.648825	4.421273	5.274642	7.150184	4.148887	4.461857	3.64485	2.73646	4.159636	4.027566
31,049	13,887	16,740	18,115	28,193	15,606	14,103	11,824	6,713	19,761	17,740
82895.9962	299824.585	195630.924	227401.305	104702.705	560661.125	511798.123	444409.34	615783.84	110431.983	104886.924
4.264914	6.444703	6.014977	5.281722	3.100496	7.548117	8.397337	8.184032	8.865978	3.644506	4.474112
1,912	7,877	5,508	6,040	2,775	10,759	9,834	10,205	15,231	3,007	2,710
31.093068	25.297276	25.325931	26.430051	27.512208	40.717585	37.796689	31.87047	29.079762	24.867994	27.798755
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-7056553.6	-6038900.4	-6158853.3	-6748046.2	-7094401.3	-7950398.1	-6352106.7	-6496709.9	-6112554.1	-6783154.2	-6146710.5
70508.9693	62866.0025	63179.1187	75500.2505	79256.652	101951.539	78751.7406	74914.3022	68843.007	66683.4144	61617.5234
2251593.01	1959824.91	1899316.89	2328554.88	2464696.42	3196193.71	2449621.27	2413378.71	2236625.1	2146399.06	2011521.88
6806883.76	5815122.75	5972301.6	6490632.92	6833351.14	7576654.6	6060489.95	6222640.14	5857036.6	6611490.63	5955930.51
7409744.14	5741527.91	6126432.08	6649584.73	7373071.23	7416194.54	5878411.32	6021890.52	5374712.1	6889465.24	6223785.01
0.000222	0.007575	0.042439	0.000227	0.007189				0.000494	0.123284	0.041254
1084965.9	805898.255	816490.211	995354.538	1132234.22	1273766.94	999074.086	928563.537	809161.47	820223.894	811527.499
3.9	4.77	4.23	3.68	4.59	5.61	3.99	3.8	3.53	2.94	3.76
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.255	16028.648	45736.7978
9105448.41	7857311.57	8002032.22	9059699.22	9518418.66	12978811.6	9994590.62	9344317.74	8758810.1	8462851.53	7804127.16
5278567.1	4255540.93	4325224.69	5307854.8	5841423.54	8922317.38	6626935.07	5747049.32	5238079.3	4406357.35	4283396.36
1368915.46	1230299.11	979130.356	1380981.98	1406630.8	2194835.86	1720656.33	1541037.31	1434405.8	956398.374	1055427.42
72420.912	70742.8023	68687.4232	81539.8457	82087.9287	113957.65	88585.8407	85119.3567	84074.472	69689.9679	64327.7726
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.255	16028.648	45736.7978
5278567.1	4255540.93	4325224.69	5307854.8	5841423.54	8922317.38	6626935.07	5747049.32	5238079.3	4406357.35	4283396.36
58491.0975	52100.5339	36683.4271	56025.2486	57381.5044	105241.753	80418.1401	66340.0068	61654.988	46967.6353	46950.1012
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76
28828.946	31719.5723	36268.6252	36834.9237	36433.1507	44235.6917	34328.1127	36189.7407	38756.382	40383.3579	31581.7206
718625.528	711459.189	905405.214	964266.253	996192.763	1793444.97	1277622.95	1086578.2	1104741.9	908546.179	736227.847
-178768.1	-240235.07	-162222.64	-130726	-100131.2	426425.084	250554.082	-82179.692	-169729.96	-341865.36	-274433.92
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.9	1250411.54	1010661.76

2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.9	3814871.34
-3750343.7	-3750343.7	-3673806.1	-3903418.9	-3673806.1	-3597433	-3970580.4	-3503453.3	-3659162.3	-3892725.9	-3814871.3
-3750343.7	-3750343.7	-3673806.1	-3903418.9	-3673806.1	-3597433	-3970580.4	-3503453.3	-3659162.3	-3892725.9	-3814871.3
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.9	3814871.34
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.9	3814871.34
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.9	3814871.34

26.199365	25.659382	22.589444	25.04937	26.359428	27.50942	41.376135	37.726094	30.666183	28.95611	22.896045
23.77321	23.773366	23.773308	23.773249	23.773288	23.77323	24.248735	24.248657	24.248754	24.248715	24.248754
26.073685	25.533695	22.463732	24.923688	26.233723	27.383718	41.251767	37.601743	30.541796	28.831752	22.771714
26.170362	25.630377	22.560434	25.020367	26.330419	27.480412	41.347435	37.697397	30.637478	28.927412	22.867353
25.445287	24.905263	21.835173	24.295279	25.605196	26.755207	40.62993	36.979989	29.919861	28.209966	22.150059
25.725649	25.18564	22.115607	24.575646	25.885616	27.03562	40.907365	37.257387	30.19734	28.487378	22.427413
$ 26.15	$ 25.61	$ 22.54	$ 25.00	$ 26.31	$ 27.46	$ 41.33	$ 37.68	$ 30.62	$ 28.91	$ 22.85
$ 26.19	$ 25.65	$ 22.58	$ 25.04	$ 26.35	$ 27.50	$ 41.37	$ 37.72	$ 30.66	$ 28.95	$ 22.89

21.904879	21.904879	21.904879	21.904879	21.904879	21.904879	22.342976	22.342976	22.342976	22.342976	22.342976
1.22	1.22	1.22	1.22	1.22	1.22	1.25	1.25	1.25	1.25	1.25
25.89	25.35	22.28	24.74	26.05	27.2	41.07	37.42	30.36	28.65	22.59
4.80825	4.795982	4.782376	4.845034	5.636352	6.288978	6.249918	6.263741	5.642513	5.095109	4.799212
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
0.022295	0.030663	0.038854	0.025073	0.024375	0.023297	0.024362	0.027444	0.031781	0.032275	0.035663
8623.35	8549.55	8304.3	8949.825	8429.4	8262.9	8956.35	7877.7	8191.125	8709.525	8505.45
21.998341	21.810076	21.625781	21.935845	21.894545	21.975797	21.951838	21.8825	21.843	21.773812	21.697576
8820	8820	8640	9180	8640	8460	9180	8100	8460	9000	8820
22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.56	22.5	22.5

8.22	2.3	11.06	4.08	2.14			2.63		6.1	

0.030688	0.02926	0.032291	0.030955	0.028828	0.022659	0.027205	0.032472	0.024042	0.026525	0.030561
7298.59472	4561.6217	4228.37748	158.42758	431.57858	147.50154	21737.3566	17552.6833	5025.9784	7396.9291	2775.21416
37177.898	23302.6923	20033.6453	784.697391	2460.10995	937.489309	107321.673	87353.594	26683.9316	38838.6	12992.7462
3.549412	2.428352	1.923398	0.314584	1.12294	0.879281	3.963076	4.049085	3.503834	3.486489	1.153276
5116.87667	2577.13272	769.811992		47.876887	58.573628	5369.66823	3602.10382	628.879485	258.63876	575.039924
22038.26	22070.74	21552.8	22931.46	21629.94	21313.84	23020.2	20201.98	21283.68	22584.62	22041.16
56.220051	56.302908	56.127083	56.204558	56.181662	56.685744	56.422058	56.116611	56.75648	56.46155	56.227448
22736	22736	22272	23664	22272	21808	23664	20880	21808	23200	22736
58	58	58	58	57.84935	58	58	58	58.154666	58	58
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
39.823784	27.198192	21.688309	3.614033	12.529423	9.535362	44.559113	45.327434	39.323553	39.037502	13.057009
39.823784	27.198192	21.688309	3.614033	12.529423	9.535362	44.559113	45.327434	39.323553	39.037502	13.057009
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
55070.3471	32858.1318	29886.4382	1005.6928	3032.91496	1128.92937	146484.149	126696.726	36264.8047	52563.068	18393.6091
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.176	2756.52969
55070.3471	32858.1318	29886.4382	1005.6928	3032.91496	1128.92937	146484.149	126696.726	36264.8047	52563.068	18393.6091
243.99	193.19	120.9	113.94	91.12	95.68	257.33	240.29	203.88	200.59	139.17
13219.3849	11961.2763	19517.703	940.158791	2541.13243	648.598439	96125.2824	82094.4371	27547.0326	44351.019	12416.2348
16527.0251	14137.1339	24276.6768	1005.6928	2681.40629	676.874888	109550.149	99891.0523	31653.0359	50703.818	14611.5247
18.122731	15.365927	20.660189	4.06	10.58236	5.747311	38.446806	39.463309	36.439575	38.87095	12.09186
231.629477	210.689986	367.190305	16.82	40.736988	9.441332	1737.73101	1481.11046	466.832881	757.86074	233.58894
57.633276	57.01377	55.935108		66.763683	69.265997	58.465058	60.085729	59.924991	58.104566	54.625763
41.458804	27.339215	15.07231		5.967395	6.233939	45.548285	46.238169	25.741751	14.526003	9.829492
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
1.976734	1.235459	1.169062	0.041225	0.119012	0.041648	5.656421	5.1765	1.422933	1.9633	0.751632
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.176	2756.52969
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.176	2756.52969
543.250522	273.610013	81.729694		5.083011	6.218667	570.088993	382.429538	66.767118	27.459258	61.051059
30782.1157	15609.5905	4467.18334		335.866315	434.260269	32127.4022	22082.0371	3963.71194	1600.8735	3220.84465
4.7	4.42	4.49	0.29	0.72	0.21	27.53	18.16	6.6	11.16	3.31
-11068.847	-5287.2651	-5901.5519	-65.53401	-155.91622	-46.070659	-18231.465	-22520.252	-4754.0601	-6611.176	-2756.5297
-27595.872	-19424.399	-30178.229	-1071.2268	-2837.3225	-722.94555	-127781.61	-122411.3	-36407.096	-57314.994	-17368.054
3.89	1.65	0.51		0.07	0.06	3.57	2.21	0.51	0.16	0.33
4090.0201	2407.9941	1825.7325	63.1871	204.3061	80.4092	11479.7766	8691.1632	2318.8387	2932.2044	1108.7617
0.18	0.12	0.1	0.02	0.04	0.02	0.94	0.59	0.19	0.3	0.06

82.1466	54.7644	45.637	9.1274	18.2548	9.1274	437.57	274.645	88.445	139.65	27.93
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
37177.898	23302.6923	20033.6453	784.697391	2460.10995	937.489309	107321.673	87353.594	26683.9316	38838.6	12992.7462
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
82.1466	54.7644	45.637	9.1274	18.2548	9.1274	437.57	274.645	88.445	139.65	27.93
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
6741.456	4213.41	3905.604	146.334	398.634	136.242	20493.4416	16548.2352	4738.368	6973.6416	2616.4032
						0.53	0.6	0.38		
11.160864	11.187143	11.235453	11.187089	11.166488	11.10073	10.805202	10.865972	11.003745	11.045056	11.253873
0.522255	0.515806	0.50056	0.516373	0.530407	0.571114	0.79003	0.73418	0.613547	0.593019	0.491567
0.503057	0.496577	0.48033	0.497212	0.510908	0.550528	0.764774	0.706228	0.588194	0.569407	0.475467
758688.185	728263.605	554764.441	536817.203	611236.852	742999.181	942116.922	750836.172	597446.371	463698.75	660423.245
2855.21272	2859.34695	2709.03859	2557.21391	2563.73353	2662.57042	3333.13024	2789.46881	2514.46853	2192.921	3207.93751
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
0.037857	0.037168	0.041588	0.037867	0.037343	0.036914	0.034338	0.039222	0.041356	0.041075	0.033341
243921.493	241127.537	229164.835	251266.28	242258.18	253596.723	371080.537	304127.01	268878.436	277869.27	232253.371
298899.155	295305.169	279044.809	308095.812	296780.231	311526.308	464920.932	380564.214	337153.729	348665.66	290755.988
3.0451	3.0451	3.0451	3.0451	3.0451	3.0451	3.099399	3.099399	3.0994	3.099399	3.0994
445181.117	440081.868	418248.741	458586.087	442145.405	462839.38	686276.345	562452.492	497263.78	513891.43	429529.384
41864.76	41894.73	40851.33	43573.05	41032.26	40195.32	43732.89	38392.68	40009.95	42576.27	42061.23
106.797857	106.874311	106.383671	106.796691	106.577298	106.902446	107.188455	106.646333	106.6932	106.44068	107.299056
43512	43512	42624	45288	42624	41736	45288	39960	41736	44400	43512
111	111	111	111	110.711688	111	111	111	111.296	111	111
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
36.057134	36.116114	36.404897	36.170565	36.095849	35.83683	35.492954	35.692771	36.184441	36.353776	36.976545
35.648154	35.728867	35.886683	35.727764	35.667356	35.463086	35.193074	35.383942	35.812465	35.938213	36.588883
788993.059	779301.071	740986.278	813436.498	783827.213	820479.291	1218858.87	998812.618	885011.121	915032.02	763021.493
677910.944	644211.801	553560.046	636968.547	654821.868	720688.441	1614189.26	1224601.54	876532.178	865636.2	550775.759
-111082.12	-135089.27	-187426.23	-176467.95	-129005.34	-99790.85	395330.395	225788.92	-8478.9432	-49395.826	-212245.73
677910.944	644211.801	553560.046	636968.547	654821.868	720688.441	1614189.26	1224601.54	876532.178	865636.2	550775.759
377.16	377.43	368.03	392.55	369.66	362.12	393.99	345.88	360.45	383.57	378.93
21946.774	43207.246	176719.997	267469.375	164056.302	69737.8699	268306.386	240438.286	278949.709	442090.05	95239.5681
24927.0221	47596.9294	181170.489	277638.696	183664.155	78678.1984	389046.312	339972.015	346453.288	520581.08	103261.8

24.055494	27.680974	38.006481	49.077119	41.854929	27.608364	37.711113	41.433681	48.487849	56.248161	32.874762
638.652479	1251.26184	5127.82258	7735.35174	4779.40243	2037.5917	7761.87523	6959.83525	8026.85166	12626.545	2733.30835
24.343988	24.486831	23.566548	25.535684	25.745764	26.676243	32.901443	30.529994	27.656457	27.591242	22.942047
24.262708	24.346642	20.912592	23.502923	25.017786	26.588252	32.831822	30.395238	26.749109	24.624646	21.833276
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
55.839372	55.120086	53.31663	55.190617	56.563522	61.10868	84.889965	78.391411	65.463658	63.204255	52.776943
-238579.88	-261126.63	-307210.69	-307804.84	-255633.7	-232345.86	201366.598	66821.7321	-149021.7	-194638.09	-333644.57
-238579.88	-261126.63	-307210.69	-307804.84	-255633.7	-232345.86	201366.598	66821.7321	-149021.7	-194638.09	-333644.57
21250.3815	20355.8122	15345.7634	14782.4203	16997.5536	20939.2723	26873.2308	21261.0727	16522.0203	12655.157	17955.2536
758688.185	728263.605	554764.441	536817.203	611236.852	742999.181	942116.922	750836.172	597446.371	463698.75	660423.245
4.8	6.25	11.07	15.05	19.52	13.19	99.18	64.79	41.2	39.92	7.76
111082.115	135089.27	187426.233	176467.952	129005.345	99790.8504	-395330.39	-225788.92	8478.94315	49395.826	212245.734
86155.0931	87492.3407	6255.74445	-101170.74	-54658.81	21112.652	-784376.71	-565760.93	-337974.34	-471185.26	108983.935
330.23	320.88	235.46	235.46	259.65	293.16	189.15	179.19	199.21	168.34	294.18
96196.8608	92449.3995	72167.9154	79657.653	85176.0577	97787.9845	107540	89743.2837	82197.8007	78078.774	75724.9409
0.95	0.89	1.08	1.04	0.97	0.88	0.94	0.84	0.96	1.03	0.82
8358.1	7830.22	9501.84	9149.92	8534.06	7742.24	8435.56	7538.16	8615.04	9243.22	7358.68
916490.824	905338.434	860770.738	944773.383	910455.564	953034.298	1412822.66	1157779.81	1025553.88	1060274.3	884420.33
916490.824	905338.434	860770.738	944773.383	910455.564	953034.298	1412822.66	1157779.81	1025553.88	1060274.3	884420.33
744080.272	735387.037	697293.55	766681.899	738925.637	774365.688	1151197.28	943016.705	834417.51	862557.09	720285.372
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
8358.1	7830.22	9501.84	9149.92	8534.06	7742.24	8435.56	7538.16	8615.04	9243.22	7358.68
916490.824	905338.434	860770.738	944773.383	910455.564	953034.298	1412822.66	1157779.81	1025553.88	1060274.3	884420.33
36554.6868	36083.8136	34190.8886	37604.6792	36367.5165	38371.3629	59226.0313	48257.7527	41978.5711	43231.71	35377.441
17.91	30.1	101.13	129.51	77.91	44.56	55.78	60.76	99.08	149.92	61.2

1138.62	1135.62	1114.17	1195.62	1117.2	1083.09	1188.96	1056.93	1093.53	1159.77	1136.04
2.904642	2.896989	2.901484	2.930441	2.901818	2.880558	2.914117	2.935916	2.91608	2.899425	2.898061
1176	1176	1152	1224	1152	1128	1224	1080	1128	1200	1176
3	3	3	3	2.992207	3	3	3	3.008	3	3

11.617457	11.63046	11.82101	11.55123	11.54861	11.494779	11.313656	11.363544	11.44234	11.507272	
0.637479	0.651046	0.58683	0.672602	0.687028	0.70617	0.832304	0.803308	0.741821	0.710214	
0.611504	0.620321	0.492865	0.642387	0.652868	0.591897	0.792378	0.763887	0.709127	0.672142	
288466.201	291763.505	227598.737	312507.24	298242.569	262967.264	382515.373	326353.944	319246.303	322453.82	
1088.30655	1153.66292	1137.65544	1498.91257	1255.92684	941.579128	1365.73038	1224.30125	1353.44977	1538.8256	
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
0.040867	0.046428	0.046458	0.045122	0.048229	0.044893	0.04647	0.049583	0.045186	0.0522	0.049846
119527.332	120853.553	95092.8109	129688.852	123629.442	108845.232	155705.339	132912.473	130210.62	132026	
146396.387	148080.014	115655.689	158619.585	151170.949	133394.191	195139.324	166452.973	162742.826	165335.48	
2.314599	2.3146	2.314599	2.3146	2.3146	2.3146	2.3543	2.3543	2.3543	2.3543	
130834.618	132286.299	104088.591	141957.418	135324.787	119141.991	171945.406	146775.244	143791.588	145796.31	
16167.14	16032.55	13855.03	16752.37	15674.79	13529.09	16728.72	14712.45	15437.43	16260.45	
41.242704	40.899362	36.080807	41.05973	40.71374	35.981622	41.001764	40.867916	41.16648	40.651125	
16856	16856	16512	17544	16512	16168	17544	15480	16168	17200	16856
43	43	43	43	42.888311	43	43	43	43.114666	43	43
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
28.483709	28.566328	29.615419	28.364329	28.354563	28.685611	28.176234	28.345143	28.596605	28.757896	
27.96895	28.001593	28.456302	27.820021	27.8181	27.686716	27.735564	27.85676	28.050381	28.198623	
293601.337	297159.75	237275.009	318388.145	303511.811	271409.776	388285.865	331502.999	324720.526	329690.44	
307102.081	300714.413	212539.197	310715.592	310885.976	288320.868	616797.686	489104.086	389123.507	374757.36	
13500.7443	3554.66284	-24735.812	-7672.5533	7374.16525	16911.0923	228511.821	157601.088	64402.9812	45066.926	
307102.081	300714.413	212539.197	310715.592	310885.976	288320.868	616797.686	489104.086	389123.507	374757.36	
375.98	372.85	322.21	389.59	364.53	314.63	389.04	342.15	359.01	377.87	
		1016.1698	354.106745	3.552133				14.449734	1510.5094	
		1051.81604	412.838095	3.238509				14.544319	1973.6041	
		6.435137	3.208164	0.127605				0.28029	5.778156	
		37.814611	13.180795	0.127605				0.541951	55.649059	
27.02652	23.883632	25.13154	25.379374	22.68819	30.004622	42.680714	32.105833	29.247083	27.101378	
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10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
26.294693	26.673826	21.193203	27.622647	28.000441	25.451595	34.072254	32.847166	30.573786	28.902125	
-48976.192	-59615.489	-74440.824	-75460.916	-57246.944	-39982.311	147124.64	88127.7379	-3658.1098	-23943.064	
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10307.52	10456.14	8100.37539	11256.8592	10780.0424	9569.8	13901.48	11824.98	11464.628	11505.201	
288466.201	291763.505	227598.737	312507.24	298242.569	262967.264	382515.373	326353.944	319246.303	322453.82	
									0.03	
-13500.744	-3554.6628	24735.8119	7672.55326	-7374.1653	-16911.092	-228511.82	-157601.09	-64402.981	-45066.926	
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3.21	2.6	2.28	3.94	2.77	3.51	4.19	2.53	3.49	3.32	
	0.002551	0.122395		0.002604	0.125				0.0025	1
95067.6126	90593.4464	60295.0557	78432.8017	82997.6644	81545.6327	104934.181	87684.8366	81558.5541	76360.268	
1.18	1.24	1.99	1.27	1.21	1.94	1.3	1.16	1.23	1.29	
5135.1358	5396.2444	8660.1019	5526.7987	5265.6901	8442.5114	5770.492	5149.0544	5459.7732	5726.1036	
356078.273	360329.902	286980.021	386176.509	368132.92	328303.179	469673.046	400976.349	392781.617	398700.43	
356078.273	360329.902	286980.021	386176.509	368132.92	328303.179	469673.046	400976.349	392781.617	398700.43	
277231.004	280366.313	219744.28	300577.003	286495.736	252536.182	367084.73	313228.217	306534.414	311131.79	
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
5135.1358	5396.2444	8660.1019	5526.7987	5265.6901	8442.5114	5770.492	5149.0544	5459.7732	5726.1036	
356078.273	360329.902	286980.021	386176.509	368132.92	328303.179	469673.046	400976.349	392781.617	398700.43	
11235.1968	11397.1926	8870.6271	12284.3436	11750.3853	10431.082	15430.6428	13125.7278	12726.3387	12832.544	
		0.04	0.06						0.06	

6.633091	3.65764	2.688098
0.01076	0.005347	0.006287
0.010494	0.005275	0.006135
4860.93465	1896.96583	724.323744

7.571924	9.461936	4.222489	5.328514	1.825341
0.016673	0.026809	0.003919	0.00462	0.003117
0.016431	0.026055	0.003803	0.004545	0.002969
1474.56576	1492.40196	227.657023	192.82	420.119288

15.21394	6.479436	2.460054				4.986388	5.247152	0.843761	0.902323	1.984198
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
0.028941	0.021505	0.024179	0.02875	0.04026	0.030119	0.029767	0.033208	0.0273	0.029775	0.028584
2920.9	1461.4	1678.6				4707.2	6649.4	1010.3	1276.5	819
15131.6324	7521.52287	7805.32997				19962.997	29064.0106	4825.74964	6719.0502	3801.6769
2.345994	1.296329	0.903306				2.366845	3.135646	1.411189	1.964036	0.609952
942.715269	365.712878	152.338615				340.767435	324.636195	44.053607	36.440548	96.008636
18990	19200.1	18684.6	19854.6	18399.4	18160.4	19848.1	17423.1	18286.6	19370	19059.4
48.443877	48.979846	48.657812	48.663235	47.790649	48.298936	48.647303	48.3975	48.764266	48.425	48.620918
19600	19600	19200	20400	19200	18800	20400	18000	18800	20000	19600
50	50	50	50	49.870129	50	50	50	50.133333	50	50
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
54.462142	28.834678	23.341648				40.174625	68.538218	29.458277	31.477583	10.20867
33.218153	18.26777	12.805386				33.814611	44.692395	19.935468	27.776692	8.577891
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.2472	3808.5329
17853.5958	8536.65786	9293.4766				22075.9936	34445.7324	5476.85042	7327.1208	4236.28695
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.8736	427.754045
17853.5958	8536.65786	9293.4766				22075.9936	34445.7324	5476.85042	7327.1208	4236.28695
332.71	282.32	180.72	122.09	87.52	101.75	289.4	317.07	225.89	210.05	198.43
10312.1937	5635.23904	7098.13623				18691.0052	27717.4577	4617.26362	6563.4272	3388.41361
12094.7562	6356.05907	8417.17871				20457.4177	32668.0544	5204.15886	7119.5568	3774.58844
8.089571	5.223144	4.26425				10.83905	14.473624	6.452035	7.748524	2.694224
138.859271	77.403591	107.028558				310.902326	445.981462	68.374742	88.297103	51.34224
75.307596	74.880139	69.892347				63.263684	68.871505	79.612669	74.327716	63.891584
29.369962	11.980822	5.591387				15.110678	17.906591	3.980633	1.486554	1.916747
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
0.524744	0.263775	0.30677				0.821568	1.302777	0.190666	0.22725	0.148469
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.8736	427.754045
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.8736	427.754045
66.840728	25.996408	10.771441				24.297673	23.018537	3.125257	2.602896	6.857759
4860.93465	1896.96583	724.323744				1474.56576	1492.40196	227.657023	192.82	420.119288
2.49	1.28	1.61				4.57	6.54	0.89	1.51	0.66
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0.59	0.19	0.11				0.16	0.19	0.02		0.06

1904.8876	851.6045	879.4333				2534.1462	3758.317	507.5508	520.8852	337.2723
0.04	0.01	0.01				0.35	0.19	0.03	0.07	0.01
24.508	4.978	4.978				196.478	110.543	15.234	35.546	5.078
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.2472	3808.5329
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.2472	3808.5329
15131.6324	7521.52287	7805.32997				19962.997	29064.0106	4825.74964	6719.0502	3801.6769
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
24.508	4.978	4.978				196.478	110.543	15.234	35.546	5.078
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.2472	3808.5329
16.988	5.704	12.152				6.096	35.306	3.937	1.651	1.778
						0.01	0.15	0.05		

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1505.24	1516.6	1492.32	1593.28	1482.24	1458.84	1577.24	1405.64	1462.96	1556.24	1516.08
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1568	1568	1536	1632	1536	1504	1632	1440	1504	1600	1568
4	4	4	4	3.98961	4	4	4	4.010666	4	4

10.546527	10.583932	10.695911	10.539855	10.555795	10.505323	10.24719	10.306377	10.397411	10.449363	10.682252
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0.377971	0.37249	0.348207	0.385302	0.411726	0.445048	0.67041	0.627274	0.50312	0.459797	0.252716
284332.617	279721.219	245366.55	280391.334	297687.606	316537.801	512712.726	424035.363	353471.109	303585.6	193239.357
1051.49698	1086.11204	1192.76701	1332.61547	1243.85046	1132.13791	1826.38596	1589.11699	1487.40733	1438.0089	934.937886
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
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91222.2409	89792.2717	82821.2121	96402.8865	96701.2533	101488.955	161850.409	134202.828	114011.682	111363.6	61389.3422
112102.602	110353.015	100442.416	118428.453	119064.153	124918.755	202936.855	168460.855	143196.584	140108.76	76878.8221
3.056	3.056	3.056	3.056	3.056	3.056	3.1105	3.110499	3.110499	3.110499	3.110499
167484.034	164858.611	152059.745	176995.7	177543.501	186333.72	301122.685	249684.361	212118.734	207191.98	114214.871

21774.588	21449.944	21184.486	22526.426	21476.314	20616.652	22637.18	19992.562	20884.454	21971.484	16374.012
55.547418	54.719244	55.167932	55.211828	55.782633	54.831521	55.483284	55.534894	55.691877	54.928709	41.770438
22971.2	22971.2	22502.4	23908.8	22502.4	22033.6	23908.8	21096	22033.6	23440	22971.2
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36.214172	37.396501	37.576326	36.36537	36.436191	36.751597	35.120277	35.318937	35.850662	36.660281	42.508629
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311209.819	310713.771	284843.977	330299.808	327761.505	345072.901	542433.989	448711.941	388706.654	383942.75	234616.343
294511.347	278506.802	233274.331	281026.425	297968.362	323769.083	769369.901	593187.725	419506.724	391816.51	172999.108
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371.58	366.04	361.51	384.41	366.49	351.82	386.3	341.17	356.39	373.49	279.42
29.374515	196.514765	11445.1366	20099.4879	4015.71264	107.988731	322.892908	1520.32669	8052.12106	49750.625	1105.24573
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26.019824	25.698754	25.451932	28.525602	26.685209	29.107489	37.936932	33.038427	30.616896	29.176549	25.246393
23.088875	23.061239	22.46489	27.426844	25.679353	25.888135	35.269549	32.68684	28.88029	27.712507	23.039599
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
22.149142	21.827959	20.404947	22.57874	24.064529	26.079856	39.286058	36.758305	29.561482	26.944135	14.809173
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8681.56246	8550.57847	7474.02592	8575.06746	9137.93312	9802.72461	16019.0704	13185.5441	10833.093	9224.826	5771.14195
284332.617	279721.219	245366.55	280391.334	297687.606	316537.801	512712.726	424035.363	353471.109	303585.6	193239.357
	0.01	0.14	0.28	0.14	0.01	0.16	0.17	0.56	1.04	0.07
16698.472	32206.9692	51569.6458	49273.383	29793.1425	21303.8184	-226935.91	-144475.78	-30800.07	-7873.7569	61617.2347
16669.067	31996.2475	39240.564	26458.3552	25186.1785	21182.7369	-227370.67	-146635.04	-41015.857	-71603.335	60359.5426
22.14	23.15	23.54	19.96	21.51	20.01	18.99	19.52	22	19.15	14.1
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88899.4405	83439.0986	66483.2994	72350.7003	79055.1592	87903.3616	98035.1419	82865.0905	76344.3702	71073.068	50089.6521
1.36	1.56	1.42	1.51	1.32	1.44	1.46	1.15	1.35	1.52	2
26847.828	30796.038	28032.291	29808.9855	26058.186	28427.112	29398.3702	23156.2505	27183.4245	30606.522	40271.74
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.51	266704.552
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.51	266704.552
279586.636	275211.625	252502.161	295424.153	296607.654	311252.475	504059.54	418145.216	355315.319	347300.74	191093.693

8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
26847.828	30796.038	28032.291	29808.9855	26058.186	28427.112	29398.3702	23156.2505	27183.4245	30606.522	40271.74
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.51	266704.552
4775.3552	4706.108	4309.525	5066.6693	5095.6642	5393.3143	8976.07872	7410.4744	6207.91136	6035.4862	3250.90976
0.04	0.16	1.83	3.06	1.22	0.04	0.23	0.34	1.12	4.35	0.5
5.1	3.15	2.55				5.4	8.1	3.45	2.85	1.95
0.008433	0.003723	0.005295				0.010072	0.020441	0.002896	0.002187	0.002237
0.008086	0.003647	0.005182				0.009852	0.019694	0.002845	0.002175	0.002193
690.774561	261.052249	109.180959				88.258728	225.140833	31.702196	13.590292	85.697028
2.191612	0.878381	0.347541				0.301112	0.787715	0.117059	0.062831	0.404131
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
0.028316	0.036326	0.036041	0.030637	0.034661	0.019601	0.024264	0.026611	0.032978	0.026925	0.029668
665.7	300.3	417.9				844.2	1488.9	224.7	182.7	180.6
3462.494	1552.6077	1945.33237				3391.09934	6320.13137	1069.93931	978.87096	836.927828
1.716269	1.075641	0.805392				1.491411	2.479983	1.096519	1.009549	0.6087
134.372322	49.762558	23.739346				23.378004	55.450636	6.3	2.613297	19.52258
5332.6	5288.64	5182.24	5537	5189.66	5160.82	5573.4	4905.88	5090.4	5449.22	5325.18
13.603571	13.491428	13.495416	13.571078	13.479636	13.725585	13.660294	13.627444	13.5744	13.62305	13.584642
5488	5488	5376	5712	5376	5264	5712	5040	5264	5600	5488
14	14	14	14	13.963636	14	14	14	14.037333	14	14
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
25.806542	16.134621	12.080881				24.955995	37.832153	16.447792	15.643243	9.130514
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3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
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177.38	150.27	96.88	63.57	44.67	56.94	151.16	171.63	129.23	110.68	107.84
2782.21944	1291.55545	1836.15141				3523.34061	6220.99053	1038.23711	986.28067	751.230799
3241.99119	1449.41388	2154.61821				3634.79719	7226.6532	1163.56959	1046.5038	826.067601
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44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
0.113214	0.051071	0.072552				0.137941	0.275722	0.039946	0.03045	0.030714
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
8.958154	3.317503	1.582623				1.558533	3.696709	0.42	0.174219	1.301505
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3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
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44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
10.5						220.5	126		21	
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
							0.13	0.01		

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41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
0.03486	0.034406	0.035677	0.03272	0.035584	0.033225	0.032116	0.034143	0.033604	0.034734	0.035153
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143903.2	143903.2	140966.4	149776.8	140966.4	138029.6	149776.8	132156	138029.6	146840	143903.2
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
784016.801	691010.439	271638.284	264138.741	412491.21	682137.584	412667.887	366441.406	301098.081	174398.16	380963.127
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359.79	348.06	260.54	257.61	282.94	316.99	214.84	202.58	223.6	189.23	315.94
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
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359.79	348.06	260.54	257.61	282.94	316.99	214.84	202.58	223.6	189.23	315.94
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-2786164.3	-2592455.1	-1796497.2	-2142711.9	-2419392.3	-2890251.6	-4766058.6	-3642031.9	-2746672.9	-2436662.4	-1852660.3
-27.041531	-26.169364	-22.986335	-25.125059	-26.519421	-27.645476	-41.544918	-37.785852	-30.950887	-29.055996	-22.981047
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
3570181.12	3283465.55	2068135.45	2406850.65	2831883.53	3572389.17	5178726.48	4008473.35	3047770.99	2611060.5	2233623.48
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.019	80581.1856
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35

3068.10966	3328.96771	3902.63221	4846.43924	4352.99329	4212.52247	5148.30654	4051.9735	3912.21175	4521.5203	4374.66819
75330.0034	82205.0063	85817.7432	122318.309	114188.848	114269.751	210181.744	153040.528	119656.425	132987.26	100470.241
		0.544238								
		0.016769								
		0.033539								
28.330126	23.01571	20.677033	15.891276	27.836035	26.094889	29.059384	33.931139	45.754263	25.87338	22.016197
0.566602	1.841256	2.481244	0.635651	1.113441	3.653284	0.871781	2.035868	0.915085	2.587338	11.888746
3068.10966	3328.96771	3902.63221	4846.43924	4352.99329	4212.52247	5148.30654	4051.9735	3912.21175	4521.5203	4374.66819
7.82681	8.492264	10.163104	11.878527	11.306476	11.203517	12.618398	11.255481	10.432564	11.3038	11.159867
75330.0034	82205.0063	85817.7432	122318.309	114188.848	114269.751	210181.744	153040.528	119656.425	132987.26	100470.241
75330.0034	82205.0063	85817.7432	122318.309	114188.848	114269.751	210181.744	153040.528	119656.425	132987.26	100470.241
3068.10966	3328.96771	3902.59867	4846.43924	4352.99329	4212.52247	5148.30654	4051.9735	3912.21175	4521.5203	4374.66819

-75330.003	-82205.006	-85817.743	-122318.31	-114188.85	-114269.75	-210181.74	-153040.53	-119656.42	-132987.26	-100470.24
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3068.10966	3328.96771	3902.63221	4846.43924	4352.99329	4212.52247	5148.30654	4051.9735	3912.21175	4521.5203	4374.66819
3068.10966	3328.96771	3902.63221	4846.43924	4352.99329	4212.52247	5148.30654	4051.9735	3912.21175	4521.5203	4374.66819
75330.0034	82205.0063	85817.7432	122318.309	114188.848	114269.751	210181.744	153040.528	119656.425	132987.26	100470.241
75330.0034	82205.0063	85817.7432	122318.309	114188.848	114269.751	210181.744	153040.528	119656.425	132987.26	100470.241
226070.195	220907.279	274150.481	323821.878	313943.284	312576.784	369001.533	324168.877	345916.013	402031.49	361912.062
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5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.1553	8249.64811
137634.176	132364.716	145105.965	190627.355	194285.579	202467.254	365638.889	277948.852	240647.149	263643.81	187306.44
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5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7383.87078	8420.62019	7389.30652	7885.02424	9164.1553	8249.64811
226070.195	220907.279	274150.481	323821.878	313943.284	312576.784	369001.533	324168.877	345916.013	402031.49	361912.062
88436.0182	88542.5624	129044.516	133194.522	119657.706	110974.908	23995.3999	46220.025	105268.864	138387.69	174605.622
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226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.49	361912.062
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.49	361912.062
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.1553	8249.64811
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.49	361912.062
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.49	361912.062
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.1553	8249.64811
137634.176	132364.716	145105.965	190627.355	194285.579	202467.254	365638.889	277948.852	240647.149	263643.81	187306.44
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226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.49	361912.062
218660.322	213765.809	265735.059	313882.218	304100.253	302826.052	355975.529	312633.122	333694.932	387585.33	348987.104
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5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.698	9266.78449
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5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.698	9266.78449
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5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8298.60128	9462.32511	8301.46369	8860.72577	10291.698	9266.78449
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218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.33	348987.104
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5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.698	9266.78449
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5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.698	9266.78449
154524.215	148623.935	163142.735	214333.092	218301.727	227519.174	410862.542	312257.768	270411.763	296132.37	210423.217
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218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.33	348987.104
3064.39912	3421.78616	3894.55263	4721.59284	4221.96388	4136.21226	5101.66877	3955.25158	3800.25347	4464.4365	4270.60869
75331.6868	84228.289	85334.4831	119110.748	110892.323	112031.486	207865.244	149355.425	116326.564	131129.33	98239.6859
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3064.39912	3421.78616	3894.55263	4721.59284	4221.96388	4136.21226	5101.66877	3955.25158	3800.25347	4464.4365	4270.60869
7.817344	8.729046	10.142064	11.572531	10.966139	11.000564	12.50409	10.986809	10.134009	11.161091	10.894409
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75331.6868	84228.289	85334.4831	119110.748	110892.323	112031.486	207865.244	149355.425	116326.564	131129.33	98239.6859
3064.39912	3421.78616	3894.55263	4721.59284	4221.96388	4136.21226	5101.66877	3955.25158	3800.25347	4464.4365	4270.60869
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3064.39912	3421.78616	3894.55263	4721.59284	4221.96388	4136.21226	5101.66877	3955.25158	3800.25347	4464.4365	4270.60869
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75331.6868	84228.289	85334.4831	119110.748	110892.323	112031.486	207865.244	149355.425	116326.564	131129.33	98239.6859
75331.6868	84228.289	85334.4831	119110.748	110892.323	112031.486	207865.244	149355.425	116326.564	131129.33	98239.6859
2863.82576	2973.80599	3672.41002	4660.80963	4243.51822	3867.54359	4865.25052	3825.91712	3901.32359	4307.6163	4194.32129
71294.0628	74338.3717	81328.66	117780.186	111361.738	105540.498	199930.919	145133.349	119305.945	126734.91	97067.1708
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71294.0628	74338.3717	81328.66	117780.186	111361.738	105540.498	199930.919	145133.349	119305.945	126734.91	97067.1708
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2863.82576	2973.80599	3672.41002	4660.80963	4243.51822	3867.54359	4865.25052	3825.91712	3901.32359	4307.6163	4194.32129
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2863.82576	2973.80599	3672.41002	4660.80963	4243.51822	3867.54359	4865.25052	3825.91712	3901.32359	4307.6163	4194.32129
2863.82576	2973.80599	3672.41002	4660.80963	4243.51822	3867.54359	4865.25052	3825.91712	3901.32359	4307.6163	4194.32129
71294.0628	74338.3717	81328.66	117780.186	111361.738	105540.498	199930.919	145133.349	119305.945	126734.91	97067.1708
71294.0628	74338.3717	81328.66	117780.186	111361.738	105540.498	199930.919	145133.349	119305.945	126734.91	97067.1708
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.86	165972.069
797.58516	790.123884	779.815307	653.648179	609.323097	613.144563	695.798807	664.115113	818.229117	1054.1508	810.768402
4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.4909	3239.74369
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-103198.13	-100188.87	-87758.883	-70056.106	-71107.058	-80121.106	-38104.71	-46848.427	-77558.859	-98638.004	-93666.676
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4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.4909	3239.74369
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.86	165972.069
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101206.492	99029.3397	77937.3773	78636.5725	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.019	80581.1856
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.86	165972.069
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.86	165972.069
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206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.86	165972.069
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.86	165972.069
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206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.86	165972.069

253580.813	254702.204	288066.311	366678.167	314276.29	287987.771	375130.859	231941.614	335783.978	387786.78	300830.37
988.872791	1025.25153	1456.04274	1777.25977	1335.17543	1051.25242	1353.44331	877.323687	1444.88408	1866.2918	1473.90075
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.8193	3625.7728
76121.4699	76559.8479	78150.5537	111649.561	100141.236	95330.3011	192654.466	104925.072	121669.569	132400.99	80237.1396
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.8193	3625.7728
7.991227	8.026566	9.267111	11.102174	10.084027	9.494915	11.741607	7.765243	10.792141	11.684548	9.24942
-177459.34	-178142.36	-209915.76	-255028.61	-214135.05	-193693.83	-204283.1	-127016.54	-214114.41	-255385.8	-220593.23
-177459.34	-178142.36	-209915.76	-255028.61	-214135.05	-193693.83	-204283.1	-127016.54	-214114.41	-255385.8	-220593.23
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3557.46608	4524.97975	2795.48769	4047.05288	4673.8193	3625.7728
253580.813	254702.204	288066.311	366678.167	314276.29	287987.771	375130.859	231941.614	335783.978	387786.78	300830.37
177459.343	178142.357	209915.757	255028.607	214135.054	193693.828	204283.103	127016.542	214114.409	255385.8	220593.23
177459.343	178142.357	209915.757	255028.607	214135.054	193693.828	204283.103	127016.542	214114.409	255385.8	220593.23
101769.971	97745.1837	77937.3773	85316.3288	91097.3774	103853.494	113548.465	94610.3777	88510.1871	83977.019	80505.6817
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.78	300830.37
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.78	300830.37
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.8193	3625.7728
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.78	300830.37
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.78	300830.37

3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.8193	3625.7728
76121.4699	76559.8479	78150.5537	111649.561	100141.236	95330.3011	192654.466	104925.072	121669.569	132400.99	80237.1396
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253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.78	300830.37
904805.679	886906.651	982780.007	1139443.89	1076007.67	1073031.07	1294877.81	1045201.67	1206985.49	1396539.5	1177701.61
3508.27506	3559.32269	4945.91665	5505.33723	4563.71007	3891.83637	4643.91607	3934.66748	5166.58547	6702.6901	5759.13072
27492.6234	27803.6445	31809.2956	37646.714	35255.9499	34822.9897	42605.1744	33763.8284	36146.4036	41700.736	37221.5473
693531.834	695662.656	705949.412	940824.772	921752.233	946677.823	1743798.98	1272270.63	1102049.12	1203526.5	846049.287
		0.544238								
		0.002395								
		0.033539								
28.330126	23.368044	20.677033	15.891276	27.836035	26.353127	29.059384	33.931139	45.754263	25.87338	21.788781
0.566602	2.103124	2.481244	0.635651	1.113441	3.689437	0.871781	2.035868	0.915085	2.587338	11.765941
27492.6234	27803.6445	31809.2956	37646.714	35255.9499	34822.9897	42605.1744	33763.8284	36146.4036	41700.736	37221.5473
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-211273.84	-191243.99	-276830.59	-198619.12	-154255.43	-129098.85	386516.759	227068.954	-104936.37	-193012.95	-331652.32
27492.6234	27803.6445	31809.2621	37646.714	35255.9499	34767.5665	41325.0226	33763.8284	36146.4036	41700.736	37221.5473
904805.679	886906.651	982780.007	1139443.89	1076007.67	1073031.07	1294877.81	1045201.67	1206985.49	1396539.5	1177701.61
211273.845	191243.995	276830.594	198619.119	154255.434	129098.853	-386516.76	-227068.95	104936.367	193012.95	331652.318
211273.845	191243.995	276830.05	198619.119	154255.434	129098.853	-386516.76	-227068.95	104936.367	193012.95	331652.318
0.13	0.31	0.74	0.39	0.49	1.25	0.42	0.42	0.14	0.31	9.11
705492.298	680981.059	540360.225	587151.027	638122.536	720300.574	800819.938	667390.573	617928.18	586321.2	562326.346
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.5	1177701.61
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.5	1177701.61
27492.6234	27803.6445	31809.2956	37646.714	35255.9499	34822.9897	42605.1744	33763.8284	36146.4036	41700.736	37221.5473
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.5	1177701.61
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.5	1177701.61
27492.6234	27803.6445	31809.2956	37646.714	35255.9499	34822.9897	42605.1744	33763.8284	36146.4036	41700.736	37221.5473
693531.834	695662.656	705949.412	940824.772	921752.233	946677.823	1743798.98	1272270.63	1102049.12	1203526.5	846049.287
-211273.84	-191243.99	-276830.59	-198619.12	-154255.43	-129098.85	386516.759	227068.954	-104936.37	-193012.95	-331652.32
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.5	1177701.61

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0.302267	0.298208	0.27763	0.298458	0.308973	0.323576	0.465278	0.438525	0.359365	0.34423	0.228993
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.4	1852660.35
3056643.31	2895433.03	2287448.71	2533298.41	2696001.77	3078107.16	3578580.94	2936668.14	2782470.42	2662483.1	2416054
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6193.96426	2992.60816	945.889954		47.876887	58.573628	5733.81367	3982.19066	679.233092	297.6926	690.571141
138561.568	138288.284	133339.856	144103.311	135552.484	130882.192	144460.43	127009.712	132834.619	140810.76	117169.832
353.473387	352.776234	347.239208	353.194389	352.084374	348.090936	354.069681	352.804755	354.22565	352.0269	298.902632
143903.2	143903.2	140966.4	149776.8	140966.4	138029.6	149776.8	132156	138029.6	146840	143903.2
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1356505.13	1266569.61	1040837.54	1229716.26	1266709.12	1333907.32	3172648.54	2475539.2	1728105.82	1693160.7	747321.656
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.019	80581.1856
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48289.9466	62291.8315	217633.294	288863.128	170616.699	70494.4571	386968.908	357991.498	320218.814	545251.91	112900.693
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
784016.801	691010.439	271638.284	264138.741	412491.21	682137.584	412667.887	366441.406	301098.081	174398.16	380963.127
359.79	348.06	260.54	257.61	282.94	316.99	214.84	202.58	223.6	189.23	315.94
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6.375173	5.973853	3.760055	4.134369	5.439677	7.523815	4.243883	4.684056	3.880862	2.94157	4.36119
34,653	31,560	15,114	13,055	18,994	29,438	15,830	15,845	13,615	8,861	19,564
56820.1994	69750.2579	229400.404	301872.255	190955.764	79476.1548	523123.43	481917.03	394704.384	645154.14	123731.673
4.240046	3.880073	5.979297	6.120998	5.183207	2.889023	7.097218	8.208216	7.526187	9.29851	4.112643
1,045	1,562	6,028	8,402	4,947	2,050	9,875	9,030	8,830	15,093	3,063
37.978802	31.207162	26.986963	26.483934	26.902686	28.824084	41.15376	39.500919	32.976682	29.555615	25.508768
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68351.1368	67469.099	62823.5106	72261.0609	72176.562	75085.5821	98714.749	80444.5701	75036.4574	75116.156	61017.1532
2272626.51	2204422.59	2015810.42	2269159.67	2283510.56	2395969.58	3165913.06	2570226.73	2481372.34	2488084.9	2035090.87
6847728.55	6691303.45	6003154.21	6478098.32	6398722.21	6720920.98	7479082.25	6361737.08	6418529.66	6511613.7	6269782.73
7574925.15	7312563.63	6045392.09	6440364.8	6620257.66	7323582.41	7368626.7	6246261.46	6324923.36	6040857.8	6527014.18
	0.000231	0.011126		0.000236	0.011363				0.000454	0.11294
1095628.44	1050172.4	820428.668	902971.698	976726.583	1092141.06	1241063.05	1038361.84	949778.981	899455.35	770353.98
3.72	3.82	4.6	3.84	3.54	4.28	5.2	4.05	3.76	4.23	2.89
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
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1356669.94	1323341.8	1199324.3	1363467.75	1324489.14	1339091.83	2153017.32	1797127.87	1528846.86	1567526.1	929010.416
69396.6014	69031.1385	68851.1516	80663.472	77123.7399	77191.3397	109869.772	89474.5064	83866.0816	90209.342	64080.1853
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59323.6828	56406.2282	51288.7967	55102.0261	53612.2	54332.0012	104132.29	85377.4961	65655.1262	69075.033	41246.532
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.5	1177701.61
27492.6234	27803.6445	31809.2956	37646.714	35255.9499	34822.9897	42605.1744	33763.8284	36146.4036	41700.736	37221.5473
693531.834	695662.656	705949.412	940824.772	921752.233	946677.823	1743798.98	1272270.63	1102049.12	1203526.5	846049.287
-211273.84	-191243.99	-276830.59	-198619.12	-154255.43	-129098.85	386516.759	227068.954	-104936.37	-193012.95	-331652.32
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.5	1177701.61

2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.8
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3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.8
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.8
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.8

23.90612	26.466076	25.926138	22.826264	25.306161	26.626157	27.786077	41.826916	38.136937	30.9969	29.26686
24.248754	24.248638	24.248676	24.248735	24.248696	24.248735	24.248832	24.733767	24.733748	24.733729	24.733748
23.781759	26.341733	25.801769	22.701844	25.181783	26.501781	27.661733	41.702231	38.012243	30.872221	29.142198
23.877421	26.437382	25.897438	22.797551	25.277458	26.597455	27.757382	41.798142	38.108161	30.968128	29.238092
23.159951	25.720014	25.179925	22.079745	24.559892	25.879898	27.040013	41.078808	37.388777	30.248831	28.518887
23.437373	25.997396	25.457363	22.357297	24.837351	26.157353	27.317396	41.35695	37.666939	30.526959	28.79698
$ 23.86	$ 26.42	$ 25.88	$ 22.78	$ 25.26	$ 26.58	$ 27.74	$ 41.78	$ 38.09	$ 30.95	$ 29.22
$ 23.90	$ 26.46	$ 25.92	$ 22.82	$ 25.30	$ 26.62	$ 27.78	$ 41.82	$ 38.13	$ 30.99	$ 29.26

22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.789836	22.789836	22.789836	22.789836
1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.3	1.3	1.3	1.3
23.6	26.16	25.62	22.52	25	26.32	27.48	41.52	37.83	30.69	28.96
4.814843	4.857435	4.844384	4.830608	4.905512	5.68736	6.358574	6.301657	6.340889	5.678402	5.156259
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
0.02413	0.030023	0.027526	0.0343	0.025433	0.032864	0.029433	0.029311	0.025965	0.027423	0.025937
8080.2	9253.575	8227.125	8691.3	8595.675	8356.05	9259.2	8561.475	7714.35	8578.125	8415.9
21.957065	21.824469	21.880651	21.72825	21.927742	21.704025	21.837735	21.840497	21.915767	21.938938	21.916406
8280	9540	8460	9000	8820	8640	9540	8820	7920	8820	8640
22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.557544	22.5

3.66	3.7	3.76	16.83	0.46			7	8.34	3.66	

4.23855	6.40492	4.52112	3.57922	1.22447	1.50704	0.56514	7.723579	7.817769	5.93397	6.31073
0.019396	0.035213	0.020127	0.018289	0.0035	0.001599	0.000169	0.081083	0.079594	0.023833	0.031476
0.018831	0.034127	0.019441	0.017725	0.00329	0.001562	0.000165	0.079005	0.077187	0.023214	0.030572
5080.07045	36426.4807	13166.9329	8699.20779	1813.77463	514.123312	191.778901	27166.7109	17307.7016	3888.27529	2109.1789
19.2557	116.590814	44.606	35.297792	7.852835	2.052471	0.61441	89.981508	59.925694	14.824014	9.235705
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92

0.039646	0.02665	0.031569	0.0325	0.035586	0.035026	0.025471	0.023494	0.030539	0.032321	0.034114
3785.87286	7904.98994	3993.46762	3873.28118	704.72958	327.7812	38.24114	16918.9729	14843.0253	4971.3482	6413.5855
19198.8562	40168.2443	20245.641	18760.3369	3452.15826	1857.30843	235.520563	81493.5057	73091.6576	25708.1586	33630.678
2.255547	3.36703	2.37535	1.854288	0.619696	0.91657	0.381698	4.056106	4.195514	3.205454	3.443109
841.239462	6027.877	2183.59829	1507.72825	306.580434	82.493706	25.309246	4631.45206	2894.42861	663.923002	342.4352
20497.78	23936.6	21119.54	22446	21926.9	21491.9	23965.6	22201.82	19792.5	22001.14	21512.2
55.700489	56.454245	56.168989	56.115	55.935969	55.823116	56.522641	56.637295	56.228693	56.2689	56.021354
21344	24592	21808	23200	22736	22272	24592	22736	20416	22736	22272
58	58	58	58	58	57.84935	58	58	58	58.148337	58
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
25.320543	38.00297	26.710191	21.000879	7.013154	10.053977	4.208275	45.893116	47.284666	36.197654	38.859286
25.320543	38.00297	26.710191	21.000879	7.013154	10.053977	4.208275	45.893116	47.284666	36.197654	38.859286
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
27663.5737	58823.6209	28460.7516	27907.1273	4520.37905	2304.89576	286.18477	113098.888	105410.133	35201.5275	45809.543
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.2873
27663.5737	58823.6209	28460.7516	27907.1273	4520.37905	2304.89576	286.18477	113098.888	105410.133	35201.5275	45809.543
155.8	264.23	182.73	102.31	132.24	111.26	114.89	263.02	235.4	205.13	181.71
17725.253	11348.0075	10904.1655	13787.2427	2316.75023	1652.20912	84.449462	70976.0103	70365.126	26706.2096	37833.077
21316.1274	13753.9537	12822.7478	16949.6103	2518.94049	1753.42618	91.006742	81890.3094	84230.3258	30752.536	43421.579
22.138226	16.522562	15.692489	17.473572	5.14238	7.250817	0.969303	38.996131	42.400312	32.69723	37.59226
312.626966	199.290046	192.1509	251.146929	42.270851	26.041776	1.372958	1304.54622	1268.56319	457.312368	644.56421
57.310225	58.691474	57.564565	56.249839	54.743773	63.637001	70.558775	58.110973	59.874234	59.08832	59.00637
19.480509	39.822688	26.434291	16.302886	6.011222	6.3637	4.233526	45.27076	48.407937	28.873949	13.571159
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
1.092228	1.979386	1.127606	1.02805	0.190867	0.090389	0.009575	4.582295	4.476875	1.349872	1.773229
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.2873
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.2873
89.313033	639.969953	231.829099	160.07307	32.549148	8.758223	2.687041	491.713776	307.296805	70.487631	36.355791
5080.07045	36426.4807	13166.9329	8699.20779	1813.77463	514.123312	191.778901	27166.7109	17307.7016	3888.27529	2109.1789
4.39	4.71	3.91	3.48	0.95	0.53	0.04	19.64	15.85	6.51	9.6
-4858.2503	-11049.133	-4389.6533	-5420.6769	-389.85419	-138.56333	-9.956406	-14956.167	-17737.305	-4607.0427	-5867.2873
-26174.378	-24803.086	-17212.401	-22370.287	-2908.7947	-1891.9895	-100.96315	-96846.477	-101967.63	-35359.579	-49288.866
0.43	5	1.61	1.02	0.23	0.07	0.03	3.46	1.28	0.45	0.2
1740.89	4483.3884	2126.7794	1687.0946	283.6993	151.4007	22.1595	9100.3916	7548.5242	2327.2238	2620.5855
0.08	0.33	0.13	0.16	0.03		0.01	0.79	0.64	0.22	0.3

37.24	153.615	60.515	74.48	13.965		4.655	375.0999	303.8784	104.4582	142.443
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
19198.8562	40168.2443	20245.641	18760.3369	3452.15826	1857.30843	235.520563	81493.5057	73091.6576	25708.1586	33630.678
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
37.24	153.615	60.515	74.48	13.965		4.655	375.0999	303.8784	104.4582	142.443
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
3569.2272	7452.6288	3764.9424	3651.6336	664.4016	309.024	36.0528	16274.1156	14277.2916	4781.868	6169.1352
				0.01			0.4	0.71	0.37	
11.266559	11.158232	11.207978	11.200677		11.176005	11.114305	10.753223	10.830877	11.007263	11.046993
0.483528	0.523964	0.505264	0.521037		0.512807	0.556084	0.804819	0.737091	0.611202	0.583959
0.466304	0.505836	0.487658	0.389402		0.404372	0.539663	0.782158	0.70859	0.58972	0.559254
613993.584	849596.586	707867.877	480974.367		512913.546	864970.504	961479.395	775680.908	665816.735	465319.51
2833.17647	3110.45585	2750.94971	2256.22391		2100.02764	3012.55812	3344.12399	2815.23897	2746.87137	2164.9083
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
0.037173	0.035165	0.035265	0.039975	0.028647	0.035937	0.029952	0.029285	0.03946	0.035561	0.040234
214148.395	265258.518	227671.913	192747.459		192044.611	281276.735	364275.201	298286.065	281278.615	262444.44
268411.761	332410.891	285165.321	240260.889		241215.034	352545.979	472997.169	386864.334	366138.909	341406.38
3.0994	3.0994	3.0994	3.0994		3.0994	3.099399	3.167299	3.1673	3.1673	3.1673
396046.042	490569.104	421056.435	356467.151		355167.304	520193.193	680211.083	556989.569	525231.557	490062.51
39329.52	45408.99	40264.14	33167.91		33575.28	45654.3	42237.72	37530.21	41964.66	40803.6
106.873695	107.096674	107.085478	82.919775		87.208519	107.675235	107.749285	106.619914	107.326496	106.25938
40848	47064	41736	44400	43512	42624	47064	43512	39072	43512	42624
111	111	111	111	111	110.711688	111	111	111	111.283887	111
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
37.04423	36.690419	36.83205	36.86913		37.191057	36.483757	36.01222	36.347503	36.974369	37.147749
36.625662	36.289324	36.445101	36.429738		36.340584	36.153891	35.800002	36.046808	36.603577	36.728736
704298.173	872663.459	748473.645	633113.291		639765.553	923709.15	1218833.99	999442.367	944715.062	882283.47
530601.414	745577.941	605475.435	483716.472		523967.437	792527.244	1568336.86	1195115.88	923571.363	816700.54
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530601.414	745577.941	605475.435	483716.472		523967.437	792527.244	1568336.86	1195115.88	923571.363	816700.54
354.32	409.09	362.74	298.74		302.48	411.3	380.52	338.11	378.06	367.6
83035.6494	14092.8731	33157.3476	145318.684		112942.307	51200.485	250946.792	216346.719	270202.026	407626.88
92104.9805	15765.3206	36768.4334	154320.75		126415.837	56019.9401	347887.69	296457.43	328425.781	474975.88

31.396613	21.653135	27.847974	39.812827		40.448092	25.497212	39.289711	39.346597	47.079772	57.687711
2360.00548	403.808008	952.775939	4163.42714		3228.34255	1473.0849	7147.19737	6156.72404	7631.21356	11432.9
23.751919	24.71211	24.821354	23.388565		26.165765	27.288785	34.707659	31.655221	28.265485	27.758367
22.477273	24.685644	24.740465	21.434139		25.659694	27.222192	34.61948	31.522682	27.54702	25.08221
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
51.759836	56.147886	54.130069	43.2237		44.768763	59.90265	86.819632	78.653545	65.626445	62.077208
-285632.13	-265736.15	-262002.32	-250145.92		-216179.83	-278205.25	159096.227	39759.3915	-168168.03	-202762.65
-285632.13	-265736.15	-262002.32	-250145.92		-216179.83	-278205.25	159096.227	39759.3915	-168168.03	-202762.65
16687.6145	23402.896	19400.1301	13126.0529		14007.6315	23925.6391	26886.0986	21529.324	18028.7264	12404.748
613993.584	849596.586	707867.877	480974.367		512913.546	864970.504	961479.395	775680.908	665816.735	465319.51
8.26	2.87	4.32	9.23		12.63	7.74	83.85	55.14	36.19	31.37
173696.76	127085.518	142998.21	149396.819		115798.116	131181.906	-349502.87	-195673.52	21143.6983	65582.937
81591.7791	111320.198	106229.777	-4923.9316		-10617.72	75161.9657	-697390.56	-492130.95	-307282.08	-409392.94
274.49	367.65	315.35	199.87		219.64	351.32	187.56	178.01	221.01	171.6
			0.2225	1	0.184895					0.002604
74593.1858	107387.368	89917.0815	61242.2302		70071.596	114730.972	106146.09	89918.5153	88391.395	75976.428
0.81	1	0.83	0.76		1.55	0.84	0.7	0.81	0.95	1.02
7268.94	8974	7448.42	6820.24		13909.7	7538.16	6407.8	7414.74	8696.3	9337.08
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.2
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.2
664457.803	822979.995	706221.756	596728.04		596382.338	872739.171	1153208.25	943853.903	891370.466	831468.89
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
7268.94	8974	7448.42	6820.24		13909.7	7538.16	6407.8	7414.74	8696.3	9337.08
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.2
32571.4302	40709.4638	34803.4693	29565.0108		29473.5155	43431.818	59217.935	48173.7235	44648.2956	41477.508
53.37	12.77	24.89	75.17		54.62	41.47	69.57	67.71	101.24	142.1

0.029076	0.036485	0.024308	0.0316	0.023596	0.030885	0.035259	0.026581	0.02284	0.029464	0.028932

1071.9	1225.59	1100.58	1162.08	1148.25	1116.42	1227.15	1144.74	1031.88	1141.35	1118.67
2.912771	2.890542	2.927074	2.9052	2.929209	2.899792	2.894221	2.920255	2.931477	2.919053	2.913203
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

11.697491	11.625197	11.608505	11.80881	11.559855	11.552535	11.449105	11.200837	11.29227	11.431105	11.497172
0.599181	0.636426	0.651112	0.601795	0.671303	0.678482	0.725828	0.867935	0.828579	0.740363	0.704449
0.288494	0.608645	0.621798	0.462306	0.644449	0.643224	0.593408	0.835513	0.794445	0.707553	0.667944
130138.626	315836.386	285187.371	225591.538	306727.779	299873.891	301658.893	394058.047	337830.842	339392.541	314485.95
562.387066	1158.38604	1113.83024	1124.06246	1462.51648	1248.52523	1046.69095	1381.99073	1236.33618	1411.77515	1480.1536
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
0.048315	0.044858	0.044095	0.044125	0.040637	0.049973	0.042452	0.037959	0.043551	0.04602	0.05289
53098.7262	128725.774	116246.929	92671.1745	125041.456	122004.808	122930.362	157059.706	134782.009	135435.258	126024.31
66443.3082	161367.043	145656.79	115489.853	156881.542	153355.026	153897.783	204215.864	174985.3	175938.662	163644.79
2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.4074	2.4074	2.4074	2.4074
58636.9233	142151.873	128371.484	102336.778	138083.279	134729.909	135751.998	173927.919	149257.597	149981.005	139559.32
7613.15	17414.14	15415.5	13206.16	16171.01	15647.7	14889.61	16216.16	14476.81	16080.28	15638.67
20.687907	41.071084	40.99867	33.0154	41.252576	40.643376	35.117004	41.367755	41.127301	41.126035	40.725703
15824	18232	16168	17200	16856	16512	18232	16856	15136	16856	16512
43	43	43	43	43	42.888311	43	43	43	43.109974	43
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
30.164865	29.009102	28.967989	30.185384	28.857401	28.88537	28.969385	28.468367	28.758765	29.21905	29.356843
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136628.232	321340.547	290070.095	235619.441	312437.959	305555.872	310625.35	398947.877	342177.358	345237.264	321190.69
129366.936	333265.755	290545.094	209955.313	303998.338	308219.075	325005.879	618042.307	494554.048	406399.103	360066.95
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129366.936	333265.755	290545.094	209955.313	303998.338	308219.075	325005.879	618042.307	494554.048	406399.103	360066.95
177.05	404.98	358.5	307.12	376.07	363.9	346.27	377.12	336.67	373.96	363.69
8.899537			1061.44607	294.794736	0.265428				4.094156	1181.0467
9.441341			1182.90465	338.427941	0.269693				4.988974	1561.726
0.237056			5.225072	2.775634	0.009282				0.074391	5.112511
0.330855			39.080944	10.747901	0.009282				0.148607	42.538465
23.903996	25.509403	23.926141	21.76166	24.796525	25.815795	27.656397	39.460652	39.053672	30.744054	26.274255
6.684456	8.418103	7.656365	18.191444	24.283109	14.198687	7.467227	9.865163	9.763418	11.067859	25.28151
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
12.405244	26.171745	26.73734	19.879175	27.711326	27.586805	25.516556	35.927091	34.161164	30.502608	28.721614
-35016	-55359.755	-60287.271	-74103.351	-73798.79	-61108.71	-49875.172	136999.322	81926.1346	-9630.1709	-26996.649
-35016	-55359.755	-60287.271	-74103.351	-73798.79	-61108.71	-49875.172	136999.322	81926.1346	-9630.1709	-26996.649

4564.79914	11096.82	10053.24	7912.58906	10852.0921	10620.9107	10819.02	14083.42	12024.73	11926.3714	10986.562
130138.626	315836.386	285187.371	225591.538	306727.779	299873.891	301658.893	394058.047	337830.842	339392.541	314485.95
				0.04						0.02
7261.29575	-11925.208	-474.99887	25664.1277	8439.62101	-2663.2033	-14380.528	-219094.43	-152376.69	-61161.839	-38876.258
7251.85441	-11925.208	-474.99887	24481.2231	8101.19307	-2663.473	-14380.528	-219094.43	-152376.69	-61166.828	-40437.984
2.51	3.21	3.01	15	57.24	12.38	3.12	3.36	2.49	5.05	3.85
0.497282		0.002659	0.1975		0.002604	0.148584				
37854.2949	105366.607	88324.016	58307.2127	76296.1056	83770.3519	94353.0411	104213.929	89286.8894	86439.3251	74187.564
1.46	1.24	1.1	2.02	1.22	1.28	2.02	1.08	0.96	1.29	1.22
6480.7064	5504.1616	4882.724	8966.4568	5415.3848	5681.7152	8966.4568	4889.8296	4346.5152	5840.6298	5523.6964
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.6
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.6
125080.232	303518.915	274028.274	217826.631	294964.821	288084.936	289649.781	378143.782	324242.898	325919.667	303204.11
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
6480.7064	5504.1616	4882.724	8966.4568	5415.3848	5681.7152	8966.4568	4889.8296	4346.5152	5840.6298	5523.6964
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.6
5067.2943	12317.4702	11159.0964	8826.3537	12057.7524	11789.2212	12009.1122	15914.2646	13587.9449	13476.9676	12462.883
			0.19	0.2						0.06
0.04519	0.041509	0.027712	0.028275	0.035433	0.028958	0.030495	0.028035	0.030994	0.027933	0.018046
1054.11	1219.2	1096.74	1166.07	1134.33	1118.64	1233.21	1143.03	1023.27	1143.15	1131.21
2.864429	2.875471	2.916861	2.915175	2.893698	2.905558	2.908514	2.915892	2.907017	2.923657	2.945859
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

3.518494	7.048158	3.93057	2.542424	0.28		7.716586	9.857609	4.103584	5.047509
0.005101	0.010317	0.004026	0.005711	0.000204		0.015738	0.022583	0.003682	0.004363
0.004875	0.009966	0.003872	0.00561	0.000204		0.015438	0.022073	0.003622	0.004208
586.629742	5846.52023	1393.82397	1205.29354	54.439788		1242.84228	1318.30079	112.703909	44.055681

2.277448	18.441422	4.677923	4.578408	0.228769			4.077003	4.571699	0.426148	0.187905
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
0.028817	0.028537	0.029946	0.033062	0.03	0.029895	0.031391	0.027997	0.028636	0.02977	0.032695
1270.5	2998.1	1027.6	1595.4	56			4258.6	5489.7	1003	1134.8
6375.91821	15315.122	5234.60377	7735.85797	308.781185			17863.0076	23659.3679	4683.11709	5929.4587
1.268275	2.49633	1.402251	0.873731	0.104555			2.408263	3.180052	1.290483	1.874694
116.085698	1134.82062	273.292223	249.975175	9.746645			282.867837	289.226034	26.714181	8.59636
17884.9	20603.1	18277.8	19256.1	19054.9	18623.3	20468.8	19065.5	17100.2	19016.8	18514.8
48.600271	48.592216	48.61117	48.14025	48.609438	48.372207	48.275471	48.636479	48.580113	48.636317	48.215625
18400	21200	18800	20000	19600	19200	21200	19600	17600	19600	19200
50	50	50	50	50	49.870129	50	50	50	50.127877	50
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
24.675891	55.365895	24.958322	20.527174	1.46378			40.834256	63.286429	24.501927	29.638875
17.88108	35.565174	19.704234	12.360592	1.46378			34.331339	45.283543	18.270297	26.639127
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.2277
7307.5166	17955.324	5945.01313	9142.10259	339.283951			20151.8195	27653.2235	5315.95216	6488.4061
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.17838
7307.5166	17955.324	5945.01313	9142.10259	339.283951			20151.8195	27653.2235	5315.95216	6488.4061
223.21	367.55	262	164.25	138.43	104.13	101.88	251.64	301.64	241.91	206.22
5800.58946	9540.1778	3854.1008	6546.05643	254.341396			16824.5563	22506.7111	4579.46318	5933.172
6610.41314	11020.2294	4332.21852	7725.05035	278.597448			18784.3155	26134.0074	5192.00644	6443.6231
5.137865	8.232928	5.139231	3.793186	0.722645			10.878266	14.787932	5.96471	7.296812
81.429592	130.531076	53.319193	94.366058	3.303811			282.438011	367.926711	69.134701	80.185974
73.925669	73.52933	73.474743	70.200989	78.19686			67.128104	70.250067	64.36299	72.364103
6.65331	29.979081	11.755958	8.392347	0.781968			17.443303	22.442005	3.218149	1.447282
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
0.24375	0.498349	0.193617	0.2805	0.010204			0.771938	1.103693	0.181585	0.210416
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.17838
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.17838
8.270407	80.768923	19.480806	17.833941	0.696188			20.161988	20.573288	1.865298	0.614025
586.629742	5846.52023	1393.82397	1205.29354	54.439788			1242.84228	1318.30079	112.703909	44.055681
1.2	2.61	0.95	1.45	0.02			4.78	5.5	0.99	1.39
-920.29739	-2568.6259	-697.08836	-1390.7526	-30.502766			-2084.421	-3828.2116	-623.78507	-511.17838
-7530.7105	-13588.855	-5029.3069	-9115.803	-309.10022			-20868.737	-29962.219	-5815.7915	-6954.8015
0.04	0.55	0.11	0.08				0.15	0.2	0.04	

658.0709	1941.274	596.1612	825.6866	22.9792			2382.1947	3066.5915	510.1051	473.5566
0.01	0.08	0.01	0.01				0.33	0.25	0.01	0.08
5.078	54.685	9.765	5.078				194.845	143.843	5.18	46.221
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.2277
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.2277
6375.91821	15315.122	5234.60377	7735.85797	308.781185			17863.0076	23659.3679	4683.11709	5929.4587
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
5.078	54.685	9.765	5.078				194.845	143.843	5.18	46.221
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.2277
6.223	16.891	3.556	10.414				9.546	21.801	3.87	1.548
								0.14		

0.027336	0.039952	0.031489	0.02085	0.023341	0.030677	0.026603	0.029107	0.034488	0.033418	0.02302

1431.76	1628.24	1456.64	1566.64	1531.4	1488.88	1650.88	1522.36	1359.44	1515.6	1500.64
3.890652	3.840188	3.874042	3.9166	3.906632	3.86722	3.893584	3.883571	3.862045	3.876214	3.907916
1472	1696	1504	1600	1568	1536	1696	1568	1408	1568	1536
4	4	4	4	4	3.98961	4	4	4	4.01023	4

10.694533	10.555837	10.587936	10.692361	10.549883	10.566198	10.497618	10.172333	10.243789	10.389546	10.426569
0.349691	0.390636	0.381088	0.379072	0.403492	0.412108	0.454152	0.720032	0.661545	0.522676	0.495515
0.333209	0.369241	0.355953	0.358208	0.380493	0.390477	0.42948	0.683121	0.62532	0.495068	0.467507
240162.586	305638.77	261244.439	265731.921	272473.854	288250.108	351431.544	512133.355	422298.471	372265.526	306691.7
1087.53177	1097.90773	1002.37592	1274.02794	1286.56302	1191.32874	1220.85824	1794.30375	1543.47025	1535.09731	1426.498
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
0.051929	0.056509	0.068164	0.055725	0.059668	0.055729	0.056721	0.054515	0.054801	0.054566	0.05526
76272.1428	96455.2571	82514.6696	88608.843	91508.5575	92014.3605	110840.623	158379.083	130848.119	117020.311	108753.79
95774.278	121089.298	103477.398	110280.628	115156.237	115901.71	139281.333	205653.765	169837.632	152429.628	141574.91
3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.1787	3.1787	3.1787	3.1787
141904.322	179455.006	153518.543	164856.752	170251.671	171192.718	206218.979	297546.783	245824.361	219846.058	204315.75

20444.954	23442.344	20531.682	22133.806	21600.546	21248.36	23437.07	21718.918	19496.806	21717.746	21205.582
55.55694	55.288547	54.605537	55.334514	55.103433	55.190545	55.276108	55.405403	55.388653	55.544107	55.222869
21564.8	24846.4	22033.6	23440	22971.2	22502.4	24846.4	22971.2	20627.2	22971.2	22502.4
58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.749872	58.599999
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
38.778052	37.461635	38.593137	37.774221	37.930215	37.558265	37.393596	34.947721	35.616501	36.665528	36.547367
33.820375	33.38872	33.490926	33.825028	33.365995	33.415299	33.211205	32.916361	33.144294	33.607733	33.724911
269691.389	338302.037	295820.326	306620.081	322318.565	321614.693	386713.874	538180.599	449637.969	407214.887	376638.59
222698.892	313907.23	253880.5	254748.915	270762.509	283047.318	350763.764	734401.985	570434.488	432260.751	385828.15
-46992.497	-24394.807	-41939.826	-51871.166	-51556.056	-38567.375	-35950.11	196221.386	120796.519	25045.8644	9189.5555
222698.892	313907.23	253880.5	254748.915	270762.509	283047.318	350763.764	734401.985	570434.488	432260.751	385828.15
348.89	400.04	350.37	377.71	368.61	362.6	399.95	370.63	332.71	370.61	361.72
1539.94397	43.157305	143.548915	14107.4526	17828.6775	3764.85631	44.55823	168.620489	844.716622	6606.10597	45300.587
1616.25477	44.886404	154.704042	15911.1203	20383.533	4327.14099	43.963954	210.784107	1138.87629	8010.95265	57591.771
6.436268	0.572876	1.758601	14.33517	16.709772	9.731138	1.031703	2.691651	5.180732	10.988097	22.050618
46.762523	1.307267	4.428947	439.231651	554.43549	116.38109	1.250366	4.845257	25.720503	202.4123	1388.3655
24.92108	25.570366	26.93526	21.664405	24.837794	25.61229	28.391392	37.08056	36.290727	30.752701	30.142476
22.527975	22.500532	24.775184	21.154424	24.743782	25.559669	25.255485	33.000201	35.175049	29.67285	29.305844
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
19.526059	21.637566	20.858888	20.99104	22.296933	22.822524	25.16758	40.030908	36.643778	29.085222	27.395953
-86859.946	-74811.97	-85070.244	-98187.008	-99387.579	-86663.281	-93886.504	113436.64	52402.2072	-36120.652	-47656.052
-86859.946	-74811.97	-85070.244	-98187.008	-99387.579	-86663.281	-93886.504	113436.64	52402.2072	-36120.652	-47656.052
7138.82748	9173.02073	7838.51305	7957.18435	8185.96251	8670.29091	10669.8036	15687.2707	12872.8895	11169.9097	9131.6805
240162.586	305638.77	261244.439	265731.921	272473.854	288250.108	351431.544	512133.355	422298.471	372265.526	306691.7
0.02		0.01	0.53	2.94	0.67		0.09	0.17	0.16	1.09
46992.497	24394.8072	41939.8258	51871.1656	51556.0555	38567.3751	35950.1104	-196221.39	-120796.52	-25045.864	-9189.5555
45376.2423	24349.9208	41785.1218	35960.0453	31172.5225	34240.2341	35906.1465	-196432.17	-121935.4	-33056.817	-66781.326
19.76	22.45	20.44	84.37	300.17	79.17	19.1	16.14	20.42	17.8	17.79
										0.002604
68802.8315	97430.5594	79726.3222	71126.0139	69471.2703	78665.7846	102013.317	95784.7158	82473.5957	80440.8003	70667.694
1.39	1.62	1.71	1.33	1.59	1.47	1.75	1.26	1.29	1.38	1.2
27988.8593	32620.1094	34432.3377	26780.7071	32016.0333	29599.7289	35237.7725	25878.6234	26494.7811	28343.2542	24646.308
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.2
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.2
237678.6	300544.304	256995.941	275137.38	285407.908	287094.428	345500.312	503200.548	415661.994	372275.686	345890.66

7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
27988.8593	32620.1094	34432.3377	26780.7071	32016.0333	29599.7289	35237.7725	25878.6234	26494.7811	28343.2542	24646.308
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.2
4023.9304	5137.62368	4392.04752	4701.99296	4894.62288	4920.53632	5975.79024	9101.42728	7481.1938	6595.94676	6101.6267
0.56	0.01	0.09	6.33	25.39	3.32	0.1	0.14	0.43	0.87	3.57
2.4	5.55	3.3	2.1	0.15			4.5	6.75	3.15	2.7
0.003847	0.007871	0.002928	0.005017	0.000204			0.008728	0.015567	0.002755	0.001947
0.003804	0.007547	0.002606	0.0048	0.000204			0.00852	0.015028	0.002653	0.001927
55.974534	683.632241	170.460548	91.446403				63.886704	116.119797	44.607077	
0.24854	2.171656	0.561971	0.302871				0.201798	0.403823	0.173269	
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
0.026494	0.028466	0.037978	0.0429	0.028647	0.028645	0.02	0.020433	0.039232	0.035076	0.027786
294	672	205.8	403.2	16.8			701.4	1110.9	218.4	155.4
1477.39695	3427.75258	1048.18019	1951.90703	93.836232			2793.40608	4558.37906	1000.54191	813.02438
0.81091	1.853854	1.105116	0.67924	0.055854			1.237663	2.012791	0.946503	0.94033
11.516086	131.3461	33.17412	19.652484				16.074533	24.742866	13.324673	
5015.5	5767.02	5064.08	5359.76	5330.78	5222	5817.28	5375.86	4734.66	5295.5	5226.62
13.629076	13.601462	13.468297	13.3994	13.598928	13.563636	13.72	13.713928	13.450738	13.543478	13.610989
5152	5936	5264	5600	5488	5376	5936	5488	4928	5488	5376
14	14	14	14	14	13.963636	14	14	14	14.035805	14
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
12.163655	28.332018	16.57674	10.376112	0.837823			19.712969	30.781627	14.8538	14.354956
12.163655	28.332018	16.57674	10.376112	0.837823			19.712969	30.781627	14.8538	14.354956
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.52438
1673.03534	3997.82349	1176.45385	2272.23436	97.782506			3175.03274	5337.36851	1126.83803	888.75876
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
1673.03534	3997.82349	1176.45385	2272.23436	97.782506			3175.03274	5337.36851	1126.83803	888.75876
121.09	186.59	141.13	93.52	80.22	59.56	65.22	110.5	139.29	137.35	114.12
1421.42241	2775.62034	877.719643	1870.96063	93.836232			2866.01937	4557.75927	987.434829	823.52438
1610.3791	3201.59889	985.282686	2171.02243	97.782506			3101.37141	5204.67829	1076.17917	888.75876
2.191869	4.856067	2.852189	1.924813	0.14			4.023901	6.281089	2.919236	2.52
18.83226	36.043593	11.508391	25.569834	1.12			45.688364	72.410475	13.671688	10.36
75.970406	78.821711	78.187617	73.034818				59.456799	71.707176	57.640054	
3.038816	16.552559	6.255009	5.112437				1.783703	5.019502	1.729201	

19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
0.05326	0.10566	0.036489	0.0672	0.002857			0.119285	0.210397	0.037237	0.026979
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
0.767739	8.756406	2.211608	1.310165				1.071635	1.649524	0.888311	
55.974534	683.632241	170.460548	91.446403				63.886704	116.119797	44.607077	
0.88	1.55	0.64	1.07	0.08			2.55	3.47	0.71	0.6
-195.6384	-538.57091	-128.27366	-309.82733	-3.946273			-245.12666	-663.48944	-94.796127	-65.234377
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0.03	0.34	0.09	0.05				0.04	0.07	0.04	
352.7428	986.7606	290.9607	462.008	18.8122			981.6117	1476.5769	266.1135	162.9086
	0.03		0.01				0.13	0.11	0.03	0.01
	31.5		10.5				136.5	115.5	31.5	10.5
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.52438
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.52438
1477.39695	3427.75258	1048.18019	1951.90703	93.836232			2793.40608	4558.37906	1000.54191	813.02438
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
	31.5		10.5				136.5	115.5	31.5	10.5
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.52438
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11.184965	11.136987	11.173352	11.207601	11.107631	11.134851	11.048681	10.701176	10.788747	10.95979	10.999618
0.255512	0.301324	0.292387	0.266791	0.203849	0.286745	0.317634	0.473622	0.439749	0.357862	0.341599
0.231763	0.290222	0.280806	0.232823	0.13678	0.260192	0.30127	0.458325	0.422907	0.344482	0.327445
990017.471	1514028.38	1269030.9	982293.774	581069.847	1101551.67	1518252.72	1896144.24	1554552.34	1381520.39	1088650.4
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31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
0.035175	0.036063	0.035273	0.036034	0.032817	0.035317	0.032652	0.030429	0.034467	0.034666	0.033783
348869.637	502014.64	431660.379	379899.358	217327.543	406391.561	515085.96	701592.963	585359.819	539926.932	504926.33
457681.518	673778.351	560827.934	494479.471	275892.555	512329.078	645960.614	985016.717	832996.671	725899.016	686999.23
3.013204	2.951133	2.921194	2.943056	2.67634	2.879039	2.923529	3.040024	3.045747	2.996195	3.007117
596587.287	812175.983	702946.462	623660.681	308334.951	661089.931	862164.17	1151685.78	952071.528	895058.62	833937.58
968.841246	7294.04372	2490.06464	1777.35591	316.327079	82.493706	25.309246	4930.39443	3208.39751	703.961857	351.03156
122423.774	149898.799	132553.827	128155.826	96493.791	127888.53	147603.1	139187.583	124260.126	138454.351	135067.89
332.673298	353.534903	352.536773	320.389565	246.15763	332.178	348.120518	355.070364	353.011721	354.103199	351.7393

135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.1
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
168.147239	224.862041	172.63843	156.732903	76.102376	113.68867	107.055013	205.868651	242.075492	178.41233	185.90508
35.129435	34.304782	34.023381	34.350543	30.605122	33.317749	33.615571	34.042368	34.374241	34.233911	34.502923
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919311.368	1473527.69	1185483.25	987742.164	579718.292	1117538.73	1468583.07	3057206.89	2398505.15	1803875.54	1615782.3
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1384.02	2036.18	1661.23	1360.48	1096.03	1303.93	1439.51	1760.43	1692.16	1710.68	1595.06
109531.758	37799.8361	48936.8824	182691.842	20788.4001	118359.638	51329.4927	341781.998	314621.032	309085.334	498698.29
123267.596	43785.989	55063.3865	198260.458	23617.2814	132496.674	56154.9108	451874.471	413165.318	373462.444	584883.34
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2819.98768	770.979992	1214.18337	5012.82256	611.878053	3370.7747	1475.70822	8784.71523	7891.34492	8373.89323	13598.914
29.060377	37.594776	31.866232	26.036997	26.116362	26.7793	28.498374	42.564819	42.057048	33.866067	29.828902
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31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
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14.75	11.74	9.83	15.76	4.03	13.83	7.78	110.91	80.13	44.56	44.07
221976.366	125398.788	179248.022	219810.855	59571.3733	151563.725	152741.531	-782104.41	-491075.73	-70389.629	11073.424
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297.26	399.2	340.61	300.39	357.64	311.26	373.57	210.71	202.47	244.39	193.44
0.045207		0.000241	0.038181	0.090909	0.017045	0.013507				0.000473
184002.016	317595.958	260981.321	193650.246	146092.867	232659.133	311119.489	318608.933	273770.693	258374.963	224088.74
3.75	4.3	3.78	4.29	2.84	4.3	4.62	4.29	4.06	3.88	3.83
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.248
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1054268.81	1485954.33	1263774.4	1118140.15	584227.506	1173419.01	1508124.78	2136702.5	1785068.2	1620957.64	1520936.8
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.248

1320845.25	1855279.24	1587628.07	1403057.18	752480.357	1481351.99	1890540.04	2630388.99	2202188.41	2012468.76	1886754
45238.1051	65634.0775	54123.1116	46755.4051	17616.7769	46492.2971	61452.7733	100517.289	83541.9548	69506.948	66212.7
53.93	12.78	24.98	81.69	25.6	57.94	41.57	70.11	69.13	102.49	145.73
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.5
413205.971	944196.814	724703.352	373723.421	621088.37	543059.762	884737.126	437611.555	392808.803	351070.77	185439.17
1849.37613	3438.56817	2797.10857	1749.26211	2892.72531	2248.33793	3081.46579	1514.13176	1416.8211	1443.25866	855.71691
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79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.87
413205.971	944196.814	724703.352	373723.421	621088.37	543059.762	884737.126	437611.555	392808.803	351070.77	185439.17
297.61	398.72	340.47	301.09	361.01	311.14	373.67	208.97	201.17	243.52	192.28
177.302825	227.105055	208.262703	180.91779	172.15622	178.366572	212.825394	184.696037	184.349676	156.537897	132.74519
65.541336	101.917128	93.014489	67.216923	75.506644	75.13325	96.208212	64.967262	72.415165	60.865019	45.267933
19873.3583	40882.9753	31954.4099	20627.9572	27501.0364	23779.6652	36532.8968	15048.542	15618.8972	15451.9232	9041.1457
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.5
2374113.28	4070152.64	3261115	2290694.44	2718132.8	3013301.18	4270279.81	5142625.8	4078065.79	3303462.88	2588617.7
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.87
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413205.971	944196.814	724703.352	373723.421	621088.37	543059.762	884737.126	437611.555	392808.803	351070.77	185439.17
1849.37613	3438.56817	2797.10857	1749.26211	2892.72531	2248.33793	3081.46579	1514.13176	1416.8211	1443.25866	855.71691
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79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.87
413205.971	944196.814	724703.352	373723.421	621088.37	543059.762	884737.126	437611.555	392808.803	351070.77	185439.17
297.61	398.72	340.47	301.09	361.01	311.14	373.67	208.97	201.17	243.52	192.28
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65.541336	101.917128	93.014489	67.216923	75.506644	75.13325	96.208212	64.967262	72.415165	60.865019	45.267933
19873.3583	40882.9753	31954.4099	20627.9572	27501.0364	23779.6652	36532.8968	15048.542	15618.8972	15451.9232	9041.1457
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.5
2374113.28	4070152.64	3261115	2290694.44	2718132.8	3013301.18	4270279.81	5142625.8	4078065.79	3303462.88	2588617.7
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.5
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.5

3638.63014	3225.311	3154.89103	4035.51454	4630.50337	4336.4086	4745.87464	4964.10926	4118.73321	4076.64143	4337.9262
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86424.8512	78956.4651	78653.3384	91245.9721	118162.914	115450.862	130594.542	206499.752	157679.852	125564.752	129136.57
86424.8512	78956.4651	78653.3384	91245.9721	118162.914	115450.862	130594.542	206499.752	157679.852	125564.752	129136.57
3638.62577	3225.311	3154.89103	4035.07593	4630.50337	4336.4086	4745.87464	4964.10926	4118.73321	4076.64143	4337.9262

-86424.851	-78956.465	-78653.338	-91245.972	-118162.91	-115450.86	-130594.54	-206499.75	-157679.85	-125564.75	-129136.57
-86424.916	-78956.465	-78653.338	-91250.19	-118162.91	-115450.86	-130594.54	-206499.75	-157679.85	-125564.75	-129136.57

2.06	0.28	0.58	2.16	4.73	0.97	1.04	0.27	0.27	0.56	0.76
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	117756.309	111950.378	96462.0218	94307.1112	81862.87
3638.63014	3225.311	3154.89103	4035.51454	4630.50337	4336.4086	4745.87464	4964.10926	4118.73321	4076.64143	4337.9262
3638.63014	3225.311	3154.89103	4035.51454	4630.50337	4336.4086	4745.87464	4964.10926	4118.73321	4076.64143	4337.9262
86424.8512	78956.4651	78653.3384	91245.9721	118162.914	115450.862	130594.542	206499.752	157679.852	125564.752	129136.57
86424.8512	78956.4651	78653.3384	91245.9721	118162.914	115450.862	130594.542	206499.752	157679.852	125564.752	129136.57

277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365075.575	369281.027	340447.634	375260.374	403158.73
1304.80573	947.893968	871.246202	1456.17905	1541.70511	1362.63065	1286.37784	1299.20714	1248.25729	1570.90618	1902.3815
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.5166
149944.728	149552.582	128603.764	152722.379	184980.451	196498.5	230597.164	356261.748	283302.726	253741.17	256976.72
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.5166
17.196706	13.554268	13.330701	16.832461	18.74798	19.27777	19.673144	21.866924	21.186873	21.023991	22.998741
-127681.65	-102568.74	-91287.756	-142653.66	-137429.32	-129102.08	-135376.34	-34199.063	-57144.907	-121519.2	-146182.01
-127681.65	-102568.74	-91287.756	-142653.66	-137429.32	-129102.08	-135376.34	-34199.063	-57144.907	-121519.2	-146182.01
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8321.35246	8097.99608	7457.77949	8220.38059	8831.5166
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365075.575	369281.027	340447.634	375260.374	403158.73
127681.655	102568.736	91287.7556	142653.66	137429.318	129102.076	135376.342	34199.0631	57144.9073	121519.204	146182.01
127681.655	102568.736	91287.7556	142653.66	137429.318	129102.076	135376.342	34199.0631	57144.9073	121519.204	146182.01
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.87
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.73
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.73
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.5166
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.73
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.73
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.5166
149944.728	149552.582	128603.764	152722.379	184980.451	196498.5	230597.164	356261.748	283302.726	253741.17	256976.72
-127681.65	-102568.74	-91287.756	-142653.66	-137429.32	-129102.08	-135376.34	-34199.063	-57144.907	-121519.2	-146182.01
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.73

268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	352196.199	354645.242	326938.517	360449.829	386889.73
1261.13794	913.183094	839.502612	1405.56429	1488.28111	1314.48181	1241.07411	1247.73081	1198.70689	1508.96166	1825.4356
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.1647
168716.898	167955.995	144387.356	171704.242	207956.172	220797.814	259132.682	400328.785	318292.05	285135.913	288542.62

7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.1647
19.360614	15.212315	14.963495	18.925295	21.080149	21.662501	22.109004	24.572214	23.803244	23.625488	25.820741
-99599.529	-74951.819	-67498.135	-113386.41	-103244.17	-93288.956	-93931.091	25200.2529	-8646.4675	-75313.916	-98347.105
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7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9351.62276	9099.85959	8378.74212	9237.56609	9915.1647
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	352196.199	354645.242	326938.517	360449.829	386889.73
99599.5287	74951.819	67498.1354	113386.406	103244.173	93288.9557	93931.0908	-25200.253	8646.46752	75313.9155	98347.105
99599.5287	74951.819	67498.1354	113386.406	103244.173	93288.9557	93931.0908	-25200.253	8646.46752	75313.9155	98347.105
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.87
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.73
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.73
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.1647
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.73
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.73
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.1647
168716.898	167955.995	144387.356	171704.242	207956.172	220797.814	259132.682	400328.785	318292.05	285135.913	288542.62
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268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.73
3732.10585	3219.17331	3249.58083	4019.6535	4516.73682	4202.92535	4653.42901	4918.82042	4010.73292	3959.68611	4278.916
88496.3648	79104.319	80842.1099	90879.5917	115259.204	112062.897	127789.068	204240.86	153376.213	122006.108	127343.07
						49.3621				
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3732.10585	3219.17331	3249.58083	4019.6535	4516.73682	4202.92535	4653.42901	4918.82042	4010.73292	3959.68611	4278.916
10.141591	7.592389	8.642502	10.049133	11.522287	10.916689	10.975068	12.548011	11.394127	10.127074	11.14301
88496.3648	79104.319	80842.1099	90879.5917	115259.204	112062.897	127789.068	204240.86	153376.213	122006.108	127343.07
88496.3648	79104.319	80842.1099	90879.5917	115259.204	112062.897	127789.068	204240.86	153376.213	122006.108	127343.07
3732.10585	3219.17331	3249.58083	4019.6535	4516.73682	4202.92535	4653.42901	4918.82042	4010.73292	3959.68611	4278.916
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79988.0636	114563	96089.0527	82764.4385	81348.8346	89939.0292	121110.378	111950.378	94399.2481	94307.1112	81862.87
3732.10585	3219.17331	3249.58083	4019.6535	4516.73682	4202.92535	4653.42901	4918.82042	4010.73292	3959.68611	4278.916
3732.10585	3219.17331	3249.58083	4019.6535	4516.73682	4202.92535	4653.42901	4918.82042	4010.73292	3959.68611	4278.916
88496.3648	79104.319	80842.1099	90879.5917	115259.204	112062.897	127789.068	204240.86	153376.213	122006.108	127343.07
88496.3648	79104.319	80842.1099	90879.5917	115259.204	112062.897	127789.068	204240.86	153376.213	122006.108	127343.07
3409.43599	3024.09392	2804.17777	3803.22925	4443.20193	4220.30242	4374.23269	4650.84261	3885.07037	4057.32551	4130.1479
81915.1814	75056.2721	70649.2902	86503.9631	113527.482	112383.334	120867.865	194862.19	148969.817	124855.964	123048.97
3409.43599	3024.09392	2804.17777	3803.22925	4443.20193	4220.30242	4374.23269	4650.84261	3885.07037	4057.32551	4130.1479
9.264771	7.132296	7.457919	9.508073	11.334698	10.961824	10.316586	11.864394	11.037131	10.376791	10.755593
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3409.43599	3024.09392	2804.17777	3803.22925	4443.20193	4220.30242	4374.23269	4650.84261	3885.07037	4057.32551	4130.1479
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79988.0636	114563	96089.0527	82764.4385	80940.85	92326.54	116727.95	111950.378	96462.0218	94307.1112	81862.87
3409.43599	3024.09392	2804.17777	3803.22925	4443.20193	4220.30242	4374.23269	4650.84261	3885.07037	4057.32551	4130.1479
3409.43599	3024.09392	2804.17777	3803.22925	4443.20193	4220.30242	4374.23269	4650.84261	3885.07037	4057.32551	4130.1479
81915.1814	75056.2721	70649.2902	86503.9631	113527.482	112383.334	120867.865	194862.19	148969.817	124855.964	123048.97
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193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.99
907.33503	828.310357	751.604303	793.532211	622.494068	605.991716	673.085824	651.25123	647.245574	834.325363	1017.9729
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.4651
88777.5111	111228.902	94398.1851	71206.6377	62608.7256	73825.9661	102586.252	151113.802	130552.544	119935.206	119990.01
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.4651
10.284479	10.162466	9.858665	7.839809	6.451652	7.323417	8.803888	9.23967	9.785666	9.950265	10.917877

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193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.99
105112.082	109515.311	95504.1681	89446.7429	66954.3936	70617.8247	88647.5978	34438.7401	45911.9798	79377.8635	94789.975
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78337.3673	114563	94085.5144	79720.035	82648.3662	92326.54	121110.378	111950.378	96462.0218	92841.5523	81862.87
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.99
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.99
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.4651
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.99
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.99
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.4651
88777.5111	111228.902	94398.1851	71206.6377	62608.7256	73825.9661	102586.252	151113.802	130552.544	119935.206	119990.01
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193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.99

299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	330311.877	372013.578	237350.807	358425.381	389111.39
1411.81167	1037.14158	1001.01744	1508.49391	1733.4968	1359.60812	1172.96325	1318.05264	875.798259	1509.69709	1845.4141
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299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	330311.877	372013.578	237350.807	358425.381	389111.39
217025.249	193403.919	176619.684	221903.315	252769.589	221578.394	222526.458	204608.283	132291.967	229303.776	257629.6
217025.249	193403.919	176619.684	221903.315	252769.589	221578.394	222526.458	204608.283	132291.967	229303.776	257629.6
79988.0636	112808.105	96089.0527	82500.7389	82648.3662	92262.3751	121110.378	111205.997	94638.6388	94178.6786	81862.87
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.39
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.39
3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.6278
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.39
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.39

3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.6278
82261.056	80670.6517	75203.5709	82136.3035	107644.869	101849.198	108816.315	188639.729	105058.84	129121.606	131481.79
-217025.25	-193403.92	-176619.68	-221903.32	-252769.59	-221578.39	-222526.46	-204608.28	-132291.97	-229303.78	-257629.6
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.39
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1238817.5	1281492.39	1081201.48	1293448.65	1393939.8
4885.09036	3726.529	3463.37056	5163.76947	5385.97709	4642.7123	4373.50103	4516.24182	3970.00801	5423.89029	6591.204
31625.1174	29277.7925	26589.2382	32961.8764	36076.0298	35239.2835	39215.2357	40990.268	34086.6616	37656.9393	40261.764
746536.591	742525.187	672737.615	746399.089	910139.817	932868.57	1080383.89	1701946.87	1297232.04	1160360.72	1176519.8
0.064936			4.217962							
0.000624			0.023941							
0.004371			0.438612							
20.014664	24.086931	24.340554	24.242879	25.581847	24.183075	23.815022	32.612487	36.025055	24.766204	28.558436
3.002199	0.722607	1.703838	5.333433	11.256012	2.901969	1.667051	1.304499	1.441002	1.733634	5.711687
31625.1174	29277.7925	26589.2382	32961.8764	36076.0298	35239.2835	39215.2357	40990.268	34086.6616	37656.9393	40261.764
85.937819	69.051397	70.716059	82.404691	92.030688	91.530606	92.488763	104.56701	96.837106	96.309307	104.84834
-292582.12	-247322.73	-200765	-298760.6	-213447.87	-174690.16	-161230.01	357556.969	216030.56	-133087.94	-217420.08
-292582.12	-247322.73	-200765	-298760.6	-213447.87	-174690.16	-161230.01	357556.969	216030.56	-133087.94	-217420.08
31625.113	29277.7925	26589.2382	32961.4378	36076.0298	35239.2835	39160.3312	39732.0987	34086.6616	37656.9393	40261.764
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1238817.5	1281492.39	1081201.48	1293448.65	1393939.8
292582.117	247322.729	200765.005	298760.598	213447.874	174690.158	161230.013	-357556.97	-216030.56	133087.936	217420.08
292582.052	247322.729	200765.005	298756.38	213447.874	174690.158	161230.013	-357556.97	-216030.56	133087.936	217420.08
2.06	0.28	0.58	2.16	4.73	0.97	1.08	0.27	0.27	0.56	0.76
558265.749	800186.103	670619.831	576042.966	575531.516	643834.104	840036.149	782908.262	671347.996	658555.787	573040.09
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.8
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.8
31625.1174	29277.7925	26589.2382	32961.8764	36076.0298	35239.2835	39215.2357	40990.268	34086.6616	37656.9393	40261.764
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.8
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.8
31625.1174	29277.7925	26589.2382	32961.8764	36076.0298	35239.2835	39215.2357	40990.268	34086.6616	37656.9393	40261.764
746536.591	742525.187	672737.615	746399.089	910139.817	932868.57	1080383.89	1701946.87	1297232.04	1160360.72	1176519.8
-292582.12	-247322.73	-200765	-298760.6	-213447.87	-174690.16	-161230.01	357556.969	216030.56	-133087.94	-217420.08
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.8

11.184965	11.136987	11.173352	11.207601	11.107631	11.134851	11.048681	10.701176	10.788747	10.95979	10.999618
0.255512	0.301324	0.292387	0.266791	0.203849	0.286745	0.317634	0.473622	0.439749	0.357862	0.341599
0.231763	0.290222	0.280806	0.232823	0.13678	0.260192	0.30127	0.458325	0.422907	0.344482	0.327445
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.5
2442342.15	3448073.1	2867236.88	2401176.88	2325745.91	2752170.16	3641807.35	3615248.18	3028562.63	3026039.81	2668029.4
11239.3435	12669.0507	11177.4809	11607.525	11035.8635	11432.9843	12735.6885	12645.0524	11046.7757	12576.3162	12527.904
-17053.366	-40111.995	-30740.226	-15614.696	-26889.158	-20408.891	-35002.284	-5005.6575	-7727.5522	-7078.0299	4557.768
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.8
0.035175	0.036063	0.035273	0.036034	0.032817	0.035317	0.032652	0.030429	0.034467	0.034666	0.033783
348869.637	502014.64	431660.379	379899.358	217327.543	406391.561	515085.96	701592.963	585359.819	539926.932	504926.33
457681.518	673778.351	560827.934	494479.471	275892.555	512329.078	645960.614	985016.717	832996.671	725899.016	686999.23
3.013204	2.951133	2.921194	2.943056	2.67634	2.879039	2.923529	3.040024	3.045747	2.996195	3.007117
596587.287	812175.983	702946.462	623660.681	308334.951	661089.931	862164.17	1151685.78	952071.528	895058.62	833937.58
968.841246	7294.04372	2490.06464	1777.35591	316.327079	82.493706	25.309246	4930.39443	3208.39751	703.961857	351.03156
122423.774	149898.799	132553.827	128155.826	96493.791	127888.53	147603.1	139187.583	124260.126	138454.351	135067.89
332.673298	353.534903	352.536773	320.389565	246.15763	332.178	348.120518	355.070364	353.011721	354.103199	351.7393
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.1
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
168.147239	224.862041	172.63843	156.732903	76.102376	113.68867	107.055013	205.868651	242.075492	178.41233	185.90508
35.129435	34.304782	34.023381	34.350543	30.605122	33.317749	33.615571	34.042368	34.374241	34.233911	34.502923
1141287.73	1598926.48	1364731.27	1207553.02	639289.666	1269102.45	1621324.6	2275102.49	1907429.41	1733485.91	1626855.8
919311.368	1473527.69	1185483.25	987742.164	579718.292	1117538.73	1468583.07	3057206.89	2398505.15	1803875.54	1615782.3
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.87
-221976.37	-125398.79	-179248.02	-219810.86	-59571.373	-151563.72	-152741.53	782104.406	491075.734	70389.6285	-11073.424
1665847.96	2216052.88	1858220.86	1734141.25	1489858.11	2050407.3	2548966.96	4759153.76	3695737.19	2964236.25	2792302.1
1384.02	2036.18	1661.23	1360.48	1096.03	1303.93	1439.51	1760.43	1692.16	1710.68	1595.06
109531.758	37799.8361	48936.8824	182691.842	20788.4001	118359.638	51329.4927	341781.998	314621.032	309085.334	498698.29
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
413205.971	944196.814	724703.352	373723.421	621088.37	543059.762	884737.126	437611.555	392808.803	351070.77	185439.17
297.61	398.72	340.47	301.09	361.01	311.14	373.67	208.97	201.17	243.52	192.28
177.302825	227.105055	208.262703	180.91779	172.15622	178.366572	212.825394	184.696037	184.349676	156.537897	132.74519

4.369422	6.794475	6.200965	4.481128	5.808203	6.261104	8.017351	4.33115	4.827677	4.057667	3.017862
19,873	40,883	31,954	20,628	27,501	23,780	36,533	15,049	15,619	15,452	9,041
123267.661	43785.989	55063.3865	198264.676	23617.2814	132496.674	56154.9108	451874.471	413165.318	373462.444	584883.34
4.845342	4.004699	3.895314	5.768361	1.960802	4.78661	2.291518	7.117195	8.185639	7.045876	9.303781
2,820	771	1,214	5,013	612	3,371	1,476	8,785	7,891	8,374	13,599
28.809621	37.506055	31.755176	25.916018	26.02659	26.713029	28.426058	42.476937	42.001037	33.830333	29.816679
28.055066	37.436208	31.709822	24.844719	25.978542	26.505385	28.387405	42.428071	41.914796	33.489695	28.699575
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-46.340669	-94.603762	-81.755921	-39.03674	-68.594791	-53.010105	-82.552556	-12.769534	-21.953273	-18.102378	11.869187
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-78.018412	-68.840682	-70.788383	-78.851146	-76.215198	-73.083296	-66.862096	-69.883056	-70.262231	-76.317395	-82.035131
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60114.7053	73680.0245	64134.6428	62136.4813	55147.3298	68546.8748	84577.481	96901.8355	80843.1246	78855.188	72821.725
2029136.18	2503876.29	2142533.52	2027453.46	1704657.54	2209110.4	2757070.22	3177636.63	2635753.83	2674969.04	2482590.2
6056773.58	7624966.75	6575586.98	6328268.33	6184935.01	6533512.12	7826025.54	7467210.44	6481859.53	6916947.98	6453899.9
6346711.89	8525377.58	7245226.94	6503727.08	6782406.1	6944075.21	8654607.76	7452947.52	6461503.01	6894556.31	6054455.7
0.045207		0.000241	0.038181	0.090909	0.017045	0.013507				0.000473
822255.828	1232345.06	1027690.2	852457.651	804272.748	968819.778	1272266.02	1213467.57	1041580.71	1011237.86	878991.7
3.75	4.3	3.78	4.29	2.84	4.3	4.62	4.29	4.06	3.88	3.83
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.248
7902179.05	10097372.4	8656704.63	8257913.75	7787983.81	8796168.95	10644207.9	12581650.7	10472355.7	10160167.1	9506100.2
4320871.27	5971082.98	4997542.33	4365187.89	3973112.48	5059152.13	6517696.63	8679793.13	6968646.87	6258309.52	5683872.4
1054268.81	1485954.33	1263774.4	1118140.15	584227.506	1173419.01	1508124.78	2136702.5	1785068.2	1620957.64	1520936.8
62934.6974	74451.0045	65348.8262	67149.7424	55759.2078	71917.6495	86108.0937	106944.72	88734.4696	87229.0813	86420.638
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.248
4320871.27	5971082.98	4997542.33	4365187.89	3973112.48	5059152.13	6517696.63	8679793.13	6968646.87	6258309.52	5683872.4
45238.1051	65634.0775	54123.1116	46755.4051	17616.7769	46492.2971	61452.7733	100517.289	83541.9548	69506.948	66212.7
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.8
31625.1174	29277.7925	26589.2382	32961.8764	36076.0298	35239.2835	39215.2357	40990.268	34086.6616	37656.9393	40261.764
746536.591	742525.187	672737.615	746399.089	910139.817	932868.57	1080383.89	1701946.87	1297232.04	1160360.72	1176519.8
-292582.12	-247322.73	-200765	-298760.6	-213447.87	-174690.16	-161230.01	357556.969	216030.56	-133087.94	-217420.08
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.8

2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
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-3901857.6	-3822227.8	-4061117.1	-3742598.1	-4140746.8	-3742598.1	-3822227.8	-4220575.6	-3979894.7	-3573783	-4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
23.146963	24.166881	26.756889	26.206849	23.066919	25.576884	26.916964	28.096965	42.527333	38.777299	31.517393
24.733786	24.733748	24.733634	24.733653	24.73371	24.733786	24.73371	24.733748	25.228553	25.228422	25.228516
23.022259	24.04221	26.632215	26.082191	22.942233	25.452212	26.79226	27.97226	42.402479	38.652458	31.392514
23.118185	24.13811	26.728118	26.178082	23.038145	25.548113	26.888186	28.068187	42.498521	38.748489	31.488574
22.39874	23.418858	26.008846	25.458904	22.318803	24.828853	26.168738	27.348736	41.778207	38.028257	30.768122
22.676925	23.696969	26.286965	25.736986	22.596949	25.106967	26.446925	27.626924	42.056728	38.306747	31.046697
$ 23.10	$ 24.12	$ 26.71	$ 26.16	$ 23.02	$ 25.53	$ 26.87	$ 28.05	$ 42.48	$ 38.73	$ 31.47
$ 23.14	$ 24.16	$ 26.75	$ 26.20	$ 23.06	$ 25.57	$ 26.91	$ 28.09	$ 42.52	$ 38.77	$ 31.51

22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	23.245633	23.245633	23.245633
1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.35	1.35	1.35
22.84	23.86	26.45	25.9	22.76	25.27	26.61	27.79	42.22	38.47	31.21
4.859924	4.866787	4.905947	4.895148	4.878618	4.957323	5.750006	6.441123	6.440726	6.450381	5.79773
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
0.036632	0.029921	0.022058	0.025	0.035264	0.035877	0.03151	0.029551	0.025102	0.034232	0.02571
8496.9	8381.475	8977.5	8248.5	9029.925	8156.475	8367.75	9258.075	8598.6	7648.875	8943.975
21.675765	21.826757	22.003676	21.9375	21.70655	21.692752	21.734415	21.835082	21.935204	21.729758	21.975368
8820	8640	9180	8460	9360	8460	8640	9540	8820	7920	9180
22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.555282

7.72	7.42	6.14	9.28	2.48	6.52	7.34	1.66		

2.73151	4.99207	6.499109	4.23855	3.95598	1.31866	1.13028	0.28257	7.25263	7.441009	6.12235
0.01096	0.021178	0.034449	0.021729	0.019982	0.002119	0.001191	0.000073	0.093652	0.089406	0.023487
0.010714	0.02052	0.033333	0.021117	0.01935	0.002074	0.001145	0.00007	0.091122	0.086136	0.022916
5573.93544	5582.33996	35253.0665	16271.62	8084.77578	169.03334	293.38238	139.780666	33227.5736	26210.714	5016.00196
25.638421	19.537654	110.031053	53.704638	30.351536	0.709157	1.134289	0.42619	109.359112	89.559306	18.744759
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3

0.029438	0.028489	0.031495	0.026595	0.029663	0.027819	0.029817	0.026084	0.02477	0.029176	0.028823
2294.4684	4304.85976	7429.7072	4337.63788	4397.7311	426.11556	240.37288	16.38906	19513.9074	16563.8766	5107.9237
10744.8066	21322.4362	37705.4051	22005.1675	21272.8836	2070.06038	1392.57016	124.016266	95674.7391	83298.1604	28109.0117
1.377523	2.623066	3.428615	2.24227	2.037157	0.706508	0.663711	0.22701	3.81954	4.064589	3.525038
1003.67576	924.255989	5806.25149	2688.65638	1382.70799	24.325701	47.123834	16.38906	5586.18362	4401.84754	769.070378
22066.68	21637.48	22918.7	21228	23412.28	21201.32	21607.9	23950.52	22172.82	19820.34	22981.92
56.292551	56.347604	56.173284	56.457446	56.279519	56.386489	56.124415	56.487075	56.563316	56.307784	56.466633
22736	22272	23664	21808	24128	21808	22272	24592	22736	20416	23664
58	58	58	58	58	58	57.84935	58	58	58	58.142506
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
15.638982	29.817331	38.936457	25.28574	23.178093	8.030204	7.447852	2.410011	43.355308	45.825026	39.511288
15.638982	29.817331	38.936457	25.28574	23.178093	8.030204	7.447852	2.410011	43.355308	45.81946	39.511288
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
14451.1611	30316.5706	55313.1369	31456.6069	30752.1436	2717.02841	1752.4464	148.00266	132029.511	122315.813	37439.764
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
14451.1611	30316.5706	55313.1369	31456.6069	30752.1436	2717.02841	1752.4464	148.00266	132029.511	122315.813	37439.764
109.94	175.34	243.5	176.6	125.74	131.24	108.09	119.42	243.88	230.61	211.76
7396.87954	19952.1001	9755.55394	9967.58402	17503.6876	2325.14574	1339.89518		81972.8249	73583.5338	28224.9367
8243.30047	23882.8554	11928.9821	11864.7719	21046.146	2540.36314	1422.21057		93745.5704	89229.603	31727.8976
11.629618	22.705555	17.450152	13.219973	18.615913	7.403545	6.126597		36.21626	39.534393	33.897296
137.041367	358.913236	172.359667	175.069699	320.100128	42.657379	20.516938		1478.68392	1291.22296	460.649041
57.047401	56.608032	58.935824	58.071406	57.65544	63.485389	65.184823	85.011037	58.167561	60.881731	66.855059
13.672454	26.566985	40.001214	25.531653	19.567119	2.477716	3.911089	2.550331	44.128458	46.168005	33.327023
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
0.621428	1.190208	1.933333	1.224787	1.122355	0.120319	0.066285	0.004103	5.285102	4.995909	1.332432
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
106.558632	98.126763	616.440332	285.4503	146.799871	2.58262	5.003061	1.74	593.076082	467.337035	81.650958
5573.93544	5582.33996	35253.0665	16271.62	8084.77578	169.03334	293.38238	139.780666	33227.5736	26210.714	5016.00196
2.37	5.21	3.92	3.54	4.53	0.75	0.39		22.07	16.23	6.83
-1480.3461	-4782.1306	-10304.516	-5217.4029	-5163.6802	-222.84933	-119.16884	-8.221994	-16829.112	-22516.722	-4198.8253
-9723.6466	-28664.986	-22233.499	-17082.175	-26209.826	-2763.2125	-1541.3794	-8.221994	-110574.68	-111746.33	-35926.723
1.35	0.54	4.92	2.06	1.02		0.04	0.03	3.68	2.22	0.44
923.6996	2083.9706	4308.2021	2360.0672	1958.9663	170.6348	113.7002	9.8926	10635.2705	8608.7218	2425.5914
0.04	0.15	0.33	0.13	0.18	0.03	0.02		0.79	0.52	0.25

18.9924	71.2215	156.6873	61.7253	85.4658	14.2443	9.4962		382.597	251.836	121.075
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
10744.8066	21322.4362	37705.4051	22005.1675	21272.8836	2070.06038	1392.57016	124.016266	95674.7391	83298.1604	28109.0117
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
18.9924	71.2215	156.6873	61.7253	85.4658	14.2443	9.4962		382.597	251.836	121.075
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
2207.016	4140.7824	7146.528	4172.3112	4230.114	409.8744	231.2112	15.7644	19143.0624	16249.0944	5010.852
								1.16	0.94	0.65
11.27755	11.261693	11.169178	11.227784	11.234755	11.198334	11.183466	11.140012	10.790372	10.86353	11.015191
0.465133	0.485935	0.517185	0.499369	0.501621	0.515725	0.521461	0.540835	0.790783	0.724034	0.60738
0.238758	0.467341	0.498741	0.4839	0.484873	0.49919	0.505121	0.523063	0.765187	0.696011	0.586299
323913.929	632621.005	824090.307	724189.17	675183.207	540854.255	660567.626	866448.606	994904.467	803062.498	736948.047
1543.3011	2831.36415	2969.98095	2764.87851	3152.90532	2511.72071	2687.2233	2967.57061	3404.32447	2868.30403	2981.54759
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
0.039617	0.038671	0.036617	0.031436	0.033798	0.033058	0.03177	0.033632	0.033316	0.037698	0.035098
116890.05	223896.898	251979.545	226287.684	250716.625	232612.688	240076.52	273416.492	356776.501	293427.446	291287.843
151587.292	290750.913	328557.201	295843.652	324753.005	304689.311	313697.644	355896.797	481515.586	395962.092	394452.464
3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.226999	3.227	3.227
218268.791	418082.677	470521.404	422546.992	468163.154	434357.672	448294.887	510550.616	669669.492	550763.315	546747.281
22307.67	40975.65	43629.66	40423.98	44615.34	40356.27	41269.8	45481.14	42062.34	37599.03	43698.48
56.907321	106.707421	106.935441	107.510585	107.248413	107.330505	107.194285	107.266839	107.301887	106.815426	107.367272
43512	42624	45288	41736	46176	41736	42624	47064	43512	39072	45288
111	111	111	111	111	111	110.711688	111	111	111	111.272727
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
38.864038	37.839786	37.557963	37.691575	37.786806	37.593458	37.515404	37.385869	36.885749	37.119502	37.644221
37.464666	37.41188	37.109597	37.29226	37.330944	37.196114	37.153415	37.021253	36.589395	36.8262	37.310907
401480.619	751549.85	847900.117	761038.117	841302.509	782804.771	806686.877	917611.944	1218613.62	1002329.38	996413.946
277552.508	560308.91	711230.65	609408.746	617785.944	610393.456	656897.821	771160.758	1578207.23	1204469.96	975456.63
-123928.11	-191240.94	-136669.47	-151629.37	-223516.56	-172411.31	-149789.06	-146451.19	359593.616	202140.58	-20957.316
277552.508	560308.91	711230.65	609408.746	617785.944	610393.456	656897.821	771160.758	1578207.23	1204469.96	975456.63
200.97	369.15	393.06	364.18	401.94	363.57	371.8	409.74	378.94	338.73	393.68
64018.7705	110873.325	14289.6497	29342.6671	156690.682	234444.236	138887.592	42833.1982	215212.481	191797.28	251249.339
67892.0605	115762.964	15972.2267	32455.1286	161984.607	247962.856	154650.028	46266.873	304074.731	263712.575	307908.002

35.665176	32.840542	21.846016	26.220214	36.590255	47.985342	40.404031	25.588968	34.12404	37.923964	45.185159
1804.53638	3087.58779	396.315703	810.195029	4385.29633	6498.22835	3892.16751	1214.6422	6000.80619	5343.09726	6935.75715
23.777164	24.558361	25.073073	25.075403	23.539134	25.809374	26.310514	27.703491	35.018073	32.261432	28.665327
22.271395	22.67163	25.043873	25.002579	21.515641	24.054462	25.818902	27.652969	34.962193	32.153182	28.088223
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
26.502193	51.874911	55.360254	53.713	53.820913	55.410106	55.922805	58.060061	84.935821	77.257272	65.239164
-185026.54	-308271.85	-268379.18	-269909.94	-354566.14	-293997.97	-275277.05	-289365.99	173106.54	48766.0546	-173213.47
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8584.32362	16832.3782	22190.6683	19385.893	18004.2037	14335.9717	17638.1125	23402.8238	27294.0358	21851.4627	19616.5829
323913.929	632621.005	824090.307	724189.17	675183.207	540854.255	660567.626	866448.606	994904.467	803062.498	736948.047
3.28	7.72	2.08	3.5	8.71	13.22	13.78	4.15	74.97	46.84	34.22
123928.111	191240.94	136669.467	151629.371	223516.565	172411.315	149789.056	146451.186	-359593.62	-202140.58	20957.3159
56036.051	75477.9759	120697.241	119174.242	61531.9583	-75551.541	-4860.9719	100184.313	-663668.35	-465853.15	-286950.69
143.99	271.2	353.77	322	283.3	231.64	278.19	357.94	197.93	191.38	242.59
0.466836										
39522.7535	79705.9883	104692.608	92149.7271	82924.4768	75947.7101	88706.1659	116202.581	107309.398	91389.6591	93992.3493
1.48	0.88	1.04	0.82	1.03	0.82	0.79	0.91	0.91	0.8	0.88
13547.92	8055.52	9520.16	7506.28	9428.62	7506.28	7231.66	8330.14	8496.67	7469.6	8216.56
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
369856.083	708833.589	799078.605	718390.644	792916.159	739046.983	761992.53	866447.413	1151185.08	946725.408	941199.744
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
13547.92	8055.52	9520.16	7506.28	9428.62	7506.28	7231.66	8330.14	8496.67	7469.6	8216.56
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
18076.6164	34660.7408	39301.3522	35141.1931	38957.73	36251.508	37462.6872	42834.3908	58931.8703	48134.3712	46997.6418
38.63	71.44	12.1	20.28	90.02	107.85	68.95	36.48	61.27	60.36	96.98

0.022653	0.033776	0.031151	0.038005	0.031802	0.023563	0.032578	0.038514	0.030357	0.026051	0.02723

1149.36	1113.09	1185.87	1085.13	1208.31	1101.42	1114.47	1223.01	1140.3	1028.49	1190.67
2.93204	2.898671	2.906544	2.885984	2.904591	2.929308	2.894727	2.884457	2.908928	2.921846	2.925479
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

11.754752	11.788152	11.612687	11.63134	11.825648	11.578188	11.554812	11.442789	11.274586	11.335224	11.435937
0.59783	0.594941	0.636569	0.63427	0.587795	0.665847	0.6801	0.719512	0.844336	0.807608	0.735751
0.349426	0.570493	0.609583	0.601875	0.45464	0.638706	0.642925	0.586245	0.807529	0.769861	0.700254
171649.435	276093.64	311112.778	283591.019	236955.199	298221.643	305901.33	304511.841	389225.057	334353.347	356861.283
819.057258	1238.51613	1123.73269	1086.76895	1151.50911	1397.99955	1249.04726	1037.23027	1341.76466	1205.66964	1457.19399
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
0.045484	0.042083	0.043259	0.049707	0.047043	0.042659	0.053437	0.044433	0.044056	0.048437	0.048651
68697.6365	110391.322	124022.26	112876.723	95094.446	118953.013	121846.619	121535.435	152200.392	130926.154	139643.349
89049.6309	143377.242	161685.696	147595.159	123099.279	155084.897	158972.315	157845.586	205861.979	176685.305	188866.085
2.407399	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4519	2.4519	2.4519
76075.7626	122247.351	137342.251	124999.683	105307.59	131728.566	134932.946	134588.341	167709.612	144267.53	153873.006
9835.82	15817.12	16785.05	15324.77	13814.61	15478.28	15588.79	14830.27	16113.39	14402.85	16690.45
25.091377	41.190416	41.139828	40.757367	33.208197	41.165638	40.490363	34.977051	41.105586	40.917187	41.008476
16856	16512	17544	16168	17888	16168	16512	18232	16856	15136	17544
43	43	43	43	43	43	42.888311	43	43	43	43.105651
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
30.733378	30.084339	29.660221	29.728302	30.953456	29.558904	29.617547	29.677173	29.288071	29.421263	29.736937
29.436037	29.517262	29.074945	29.117043	29.613098	28.995183	28.941626	28.678186	28.791371	28.938894	29.184591
178708.284	281113.734	316953.407	289295.82	247331.101	303553.456	312511.655	314019.843	394766.861	339294.789	363101.681
154382.447	260304.552	324493.177	283384.884	213119.472	294804.844	312299.349	323606.871	619669.022	490186.386	426474.676
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154382.447	260304.552	324493.177	283384.884	213119.472	294804.844	312299.349	323606.871	619669.022	490186.386	426474.676
228.31	367.84	390.35	356.39	321.27	359.96	362.53	344.89	374.73	334.95	388.15
131.591217	175.540564			641.518716	260.878778					5.868501
147.219288	167.743112			703.690226	309.111955					7.430326
1.2842	1.951561			4.535703	2.252662					0.050171
4.684488	6.050914			23.364467	9.33533					0.200686
22.358288	25.921261	25.888007	24.287929	26.045087	26.149477	26.187862	26.667901	37.590857	38.19051	31.934829
22.35624	12.072818	7.766402	6.55774	15.225976	13.986549	7.856358	6.133617	9.397714	8.783817	9.899797
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
15.025357	24.531223	26.212107	25.880664	19.549543	27.464361	27.574	25.208537	34.72375	33.104034	30.184938
-60234.092	-78510.727	-57286.666	-64911.6	-83917.496	-70925.352	-63901.534	-53939.545	145347.016	82456.496	-9618.583
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5885.25551	9413.93909	10694.54	9731.13	8109.24553	10317.2647	10615.99	10688.42	13611.71	11652.62	12285.0693
171649.435	276093.64	311112.778	283591.019	236955.199	298221.643	305901.33	304511.841	389225.057	334353.347	356861.283
0.02										
24325.8374	20809.1824	-7539.7699	5910.93643	34211.629	8748.61202	212.305749	-9587.0273	-224902.16	-150891.6	-63372.995
24178.6182	20641.4393	-7539.7699	5910.93643	33507.9388	8439.50006	212.305749	-9587.0273	-224902.16	-150891.6	-63380.426
108.98	3.49	2.84	2.68	2.52	1.96	3.14	2.68	3.01	2.74	4.11
0.387755			0.002659	0.189903		0.002604	0.148584			
45023.2349	78898.1978	103002.852	89113.8596	62360.3625	74140.4191	84853.89	95482.79	104921.612	89727.8369	91404.7387
1.53	1.07	1.29	1.26	2.15	1.12	1.46	2.1	1.2	1.07	1.35
6927.2586	4844.5534	5840.6298	5704.8012	9734.383	5070.9344	6610.3252	9508.002	5541.804	4941.4419	6234.5295
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
165125.394	265624.592	299027.947	272594.842	228406.868	286813.463	293905.261	292433.927	373571.591	320952.834	342739.091
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
6927.2586	4844.5534	5840.6298	5704.8012	9734.383	5070.9344	6610.3252	9508.002	5541.804	4941.4419	6234.5295
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
6655.6322	10644.5887	12084.8302	10996.1769	9189.8493	11669.058	11996.0687	12077.9146	15653.4665	13400.513	14128.0605
0.31	0.02			0.06	0.01					
0.02426	0.044348	0.038382	0.019361	0.033653	0.035851	0.035312	0.028066	0.029974	0.024289	0.025514
1147.47	1100.91	1177.02	1106.16	1206	1087.56	1111.32	1236.3	1140.75	1030.35	1192.77
2.927219	2.866953	2.884852	2.941914	2.899038	2.892446	2.886545	2.915801	2.910076	2.92713	2.930638
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

1.54	3.805409	6.345312	3.523607	2.819187	0.14	0.14	8.416466	9.185155	4.628274
0.000993	0.004877	0.010122	0.005391	0.005231	0.000065	0.00002	0.019176	0.026822	0.002974
0.000979	0.004765	0.009862	0.005324	0.005091	0.000063	0.00002	0.018438	0.025857	0.002867
294.769305	126.014398	5269.80025	1846.36419	1099.48701		17.319459	2042.93551	3022.77705	451.358301

1.345554	0.428888	16.066278	6.055697	4.065488		0.064293		6.729933	10.202176	1.675344
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
0.023099	0.027552	0.027855	0.031063	0.030841	0.029215	0.032395	0.031025	0.030625	0.030369	0.030857
268.8	1295.1	2851.6	1417.3	1500.3	16.8	5.6		5079.4	6455.1	821.7
1243.68747	6325.55783	14548.8134	7229.2633	7143.13575	70.19178	27.537385		21320.9907	28883.8223	3834.73343
0.526783	1.341048	2.257296	1.251197	0.972931	0.04178	0.049173		2.609592	3.107053	1.575224
64.560534	24.285453	1021.87622	360.862191	220.940528		3.522083		436.02043	711.381469	104.129001
19176.2	18672.5	19832.8	18253.5	20119.5	18284.8	18573.2	20530.1	19029.9	17031.9	19738.1
48.918877	48.626302	48.609803	48.546542	48.364182	48.629787	48.242077	48.420047	48.545663	48.386079	48.49656
19600	19200	20400	18800	20800	18800	19200	21200	19600	17600	20400
50	50	50	50	50	50	49.870129	50	50	50	50.12285
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
7.374972	28.781713	51.266355	28.883157	23.808111	0.584931	0.688434		42.362214	67.590906	27.389462
7.374972	18.972516	32.084819	17.647342	13.744495	0.584931	0.688434		36.995363	44.282513	22.298931
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385		21519.4847	29055.1663	3851.77043
1324.42288	7225.79596	16835.6015	8289.84969	8250.20702	71.215012	28.072372		23847.6871	34489.1223	4222.00547
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
1324.42288	7225.79596	16835.6015	8289.84969	8250.20702	71.215012	28.072372		23847.6871	34489.1223	4222.00547
172.42	251.45	365.11	273.93	193.06	168.52	142.51	91.78	258.3	286.51	233.42
948.918168	6210.78643	9340.19813	5389.73611	6061.61974	70.19178	10.217926		19476.5492	26032.3892	3400.41212
1005.01122	7084.82575	10827.8641	6145.2495	6988.8908	71.215012	10.416436		21608.892	30867.9409	3732.99277
3.862085	5.983165	7.31881	4.709502	4.151511	0.4	0.148422		11.855171	13.823766	6.383967
14.588533	89.765324	128.488068	74.478746	90.192932	1.2	0.148422		330.255683	404.558128	51.083642
66.418302	77.709807	74.866026	73.255868	71.788393		68.843464		68.455351	70.242844	72.266809
2.656732	1.554196	28.443559	13.186056	9.966767		0.688434		18.323938	25.989852	5.058676
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
0.048979	0.238281	0.493137	0.266223	0.254567	0.003191	0.001038		0.921938	1.292897	0.143734
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
4.611466	1.734675	72.711931	25.621253	15.707067		0.251577		31.144316	50.541871	7.416357
294.769305	126.014398	5269.80025	1846.36419	1099.48701		17.319459		2042.93551	3022.77705	451.358301
0.26	1.17	2.17	1.16	1.29	0.03	0.01		5.3	6.02	0.81
-80.735406	-888.99513	-2225.6031	-1053.7494	-1089.1003	-1.023231	-0.534986		-2328.2023	-5433.956	-370.23505
-1085.7466	-7973.8209	-13053.467	-7198.9989	-8077.9911	-72.238244	-10.951423		-23937.094	-36301.897	-4103.2278
0.02	0.01	0.51	0.18	0.06				0.25	0.32	0.11

107.9114	683.4949	1874.1513	860.4344	749.6741	6.551	2.6938	2839.3337	3837.5864	401.5783
	0.01	0.08		0.02			0.35	0.19	0.03
	5.18	46.221		10.36			189.782	134.516	15.849
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385	21519.4847	29055.1663	3851.77043
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385	21519.4847	29055.1663	3851.77043
1243.68747	6325.55783	14548.8134	7229.2633	7143.13575	70.19178	27.537385	21320.9907	28883.8223	3834.73343
19.2	91.5	201.2	100.1	105.9	1.2	0.4	361.4	455.1	58.5
	5.18	46.221		10.36			189.782	134.516	15.849
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385	21519.4847	29055.1663	3851.77043
	6.063	14.964	6.837	7.611			8.712	36.828	1.188
							0.08	0.1	0.04

0.034005	0.03763	0.032769	0.030425	0.025697	0.01867	0.027109	0.035353	0.029183	0.031562	0.031372

1514.68	1478.2	1578.52	1458.24	1621.24	1475.92	1494.36	1636.04	1522.24	1363.56	1580.8
3.863979	3.849479	3.868921	3.878297	3.897211	3.925319	3.881454	3.858584	3.883265	3.87375	3.884029
1568	1536	1632	1504	1664	1504	1536	1696	1568	1408	1632
4	4	4	4	4	4	3.98961	4	4	4	4.009828

10.70922	10.691224	10.550775	10.631462	10.683422	10.56699	10.568602	10.517799	10.225072	10.289856	10.399093
0.334787	0.352451	0.388358	0.368333	0.366185	0.399201	0.414365	0.435712	0.703064	0.642433	0.515239
0.237311	0.335905	0.367602	0.347316	0.346919	0.376643	0.394849	0.413248	0.663793	0.606915	0.484783
181715.114	255664.766	299954.993	262324.738	279350.188	267899.541	300028.388	346605.142	508085.016	418316.805	388696.989
863.944326	1122.67796	1062.69715	989.9779	1295.20557	1245.02601	1216.79185	1182.21824	1747.38282	1507.56738	1571.18928
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
0.071096	0.051692	0.055735	0.060026	0.055528	0.058484	0.048541	0.054103	0.054719	0.054715	0.058872
57872.5757	80192.0724	92455.3824	80850.4989	89360.0964	87034.5386	93055.7199	107013.505	154087.073	127161.927	119377.992
74703.6033	104016.928	121179.979	106131.492	115277.122	114248.533	122018.555	139648.287	208192.71	171378.971	162069.045
3.178699	3.178699	3.1787	3.178699	3.178699	3.1787	3.178699	3.1787	3.2387	3.2387	3.2387
108725.208	150656.846	173695.927	151893.832	167880.813	163511.788	174823.781	201046.273	291024.255	240170.731	225469.214

16181.804	21339.19	22576.236	20710.998	23023.94	20744.986	21410.096	23502.116	21714.23	19498.564	22501.228
41.280112	55.570807	55.333911	55.082441	55.346009	55.172835	55.610638	55.429518	55.393443	55.393647	55.285572
22971.2	22502.4	23908.8	22033.6	24377.6	22033.6	22502.4	24846.4	22971.2	20627.2	23908.8
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.74398
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
43.845156	39.151506	37.874149	39.085009	39.046846	38.588419	37.428914	38.289698	36.219257	36.683939	37.75264
34.629866	34.570772	34.109444	34.361295	34.549947	34.155899	34.167381	34.012053	33.704035	33.913932	34.264151
228078.532	287195.674	329959.83	292655.583	319692.459	312970.748	327052.747	382181.608	537751.96	445332.081	426848.221
159873.942	236744.329	303693.127	251539.803	259594.253	260680.163	289854.586	339211.407	739004.339	570568.824	450116.243
-68204.59	-50451.345	-26266.703	-41115.78	-60098.206	-52290.585	-37198.161	-42970.201	201252.379	125236.743	23268.0222
159873.942	236744.329	303693.127	251539.803	259594.253	260680.163	289854.586	339211.407	739004.339	570568.824	450116.243
276.14	364.15	385.26	353.43	392.9	354.01	365.36	401.06	370.55	332.74	383.98
4875.46599	3393.03993	18.496164	139.117196	8712.84244	14674.0935	1967.27907	44.704756	128.346471	619.082168	5679.72378
5471.03221	3656.03378	18.939749	142.27389	9570.75291	16648.6869	2291.42542	43.098888	170.112006	839.404974	6898.03804
11.819915	9.546149	0.302848	1.55899	12.800847	14.948963	6.962737	0.89843	2.770889	4.631968	9.951166
147.902876	101.462534	0.535587	3.878274	265.357212	443.597999	59.351653	1.315666	3.546342	18.344593	168.126858
22.895608	26.415364	26.704797	25.632464	26.098309	28.821211	27.43895	28.957227	40.595276	36.085448	30.514868
22.743437	23.515844	23.233173	22.809121	23.153672	27.856048	25.098975	26.041142	36.529259	33.897854	29.737962
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
13.906443	19.684046	21.541509	20.352765	20.329475	22.071324	23.078062	24.216358	38.898295	35.565221	28.478132
-98454.586	-92367.741	-74593.132	-83376.336	-106806.73	-97783.538	-85838.386	-98906.16	120711.066	58769.2036	-39130.854
-98454.586	-92367.741	-74593.132	-83376.336	-106806.73	-97783.538	-85838.386	-98906.16	120711.066	58769.2036	-39130.854
5303.42312	7457.21147	8788.40041	7648.76173	8191.70479	7855.22	8825.70235	10266.4203	15244.5857	12500.6134	11422.4731
181715.114	255664.766	299954.993	262324.738	279350.188	267899.541	300028.388	346605.142	508085.016	418316.805	388696.989
0.29	0.06			0.02	0.03	0.06	0.01	0.09	0.1	0.17
68204.5902	50451.3451	26266.7034	41115.7801	60098.2062	52290.5848	37198.1611	42970.2006	-201252.38	-125236.74	-23268.022
62733.558	46795.3113	26247.7636	40973.5062	50527.4533	35641.8979	34906.7357	42927.1018	-201422.49	-126076.15	-30166.06
76.66	21.15	23.22	18.99	20.56	18.48	18.26	21.85	18.37	19.81	19.31
0.242346										
50130.8059	73832.9686	95344.3391	83062.261	75136.4537	68247.6915	81311.7259	104649.423	97984.4908	83863.1987	84683.193
2.02	1.37	1.46	1.47	1.54	1.48	1.22	1.73	1.41	1.26	1.55
41487.9518	28137.8683	29986.3414	30191.7273	31629.4286	30397.1132	25057.0798	35531.7607	29538.5976	26396.1936	32471.508
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
183428.811	254673.775	294875.906	258025.324	283157.935	277760.32	296842.336	340694.56	499216.965	411549.702	387538.259

5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
41487.9518	28137.8683	29986.3414	30191.7273	31629.4286	30397.1132	25057.0798	35531.7607	29538.5976	26396.1936	32471.508
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
3161.76908	4384.03092	5097.58288	4438.5312	4905.09596	4813.31444	5153.33132	5955.28688	8996.39788	7386.18522	6838.454
4.74	0.71	0.02	0.14	0.96	1.84	0.66	0.08	0.16	0.24	0.95
0.9	2.55	5.7	3	2.55				4.8	7.35	3.3
0.000537	0.003938	0.008303	0.004171	0.004502				0.010882	0.021718	0.001492
0.00051	0.003854	0.008161	0.004122	0.004278				0.010663	0.021164	0.001421
34.299292	32.5108	696.223364	248.286688	196.333812				65.567353	477.000004	51.946047
0.148558	0.111209	2.125776	0.802327	0.753533				0.216703	1.62566	0.196238
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
0.039413	0.031953	0.022352	0.030053	0.035817	0.028856	0.026041	0.02783	0.025535	0.029659	0.038186
42	310.8	699.3	325.5	373.8				877.8	1564.5	121.8
189.966666	1506.01998	3551.4281	1658.65666	1783.47647				3516.56701	6892.14104	567.045313
0.288468	0.837478	1.905907	1.005393	0.825405				1.336027	2.318535	1.038932
7.969171	6.3	133.747893	48.736413	38.873908				13.996118	109.951384	12.6
5271.7	5204.22	5584.32	5105.8	5615.4	5112.1	5236	5770.8	5347.86	4781.84	5493.88
13.448214	13.552656	13.687058	13.579255	13.498557	13.59601	13.6	13.610377	13.6425	13.584772	13.498476
5488	5376	5712	5264	5824	5264	5376	5936	5488	4928	5712
14	14	14	14	14	14	13.963636	14	14	14	14.034398
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
4.477034	12.562173	28.833805	15.174658	12.809656				20.980459	36.361678	16.333981
4.477034	12.562173	28.833805	15.174658	12.809656				20.980459	36.361678	16.333981
200.466666	1506.01998	3572.4281	1669.15666	1804.47647				3621.56701	7039.14104	577.545313
199.095071	1691.18001	4026.43176	1873.22986	2021.49385				3934.54658	8210.9134	618.561439
-1.371594	185.160022	454.00366	204.073202	217.017382				312.979571	1171.77237	41.016125
199.095071	1691.18001	4026.43176	1873.22986	2021.49385				3934.54658	8210.9134	618.561439
107.72	130.07	192.39	158.74	140.99	100.89	82.66	54.56	117.32	136.86	117.94
166.167373	1473.50918	2876.20473	1420.86997	1608.14266				3555.99965	6562.14103	525.599265
162.03252	1656.18192	3267.74642	1580.82595	1802.67972				3859.04377	7613.77905	563.314849
0.802718	2.38	4.658587	2.623271	2.27097				4.46342	6.744373	2.94
2.268721	20.3	37.703473	18.450905	22.328406				57.586925	96.969907	7.28
72.991655	83.587714	81.13795	78.647313	77.572505				67.220306	68.878332	64.785772
1.459833	0.835877	18.661728	6.291785	3.878625				3.361015	11.709316	1.295715

2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
0.007142	0.053958	0.114264	0.057712	0.059903				0.149285	0.296306	0.01995
-1.371594	185.160022	454.00366	204.073202	217.017382				312.979571	1171.77237	41.016125
-1.371594	185.160022	454.00366	204.073202	217.017382				312.979571	1171.77237	41.016125
0.531278	0.42	8.916526	3.249094	2.591593				0.933074	7.330092	0.84
34.299292	32.5108	696.223364	248.286688	196.333812				65.567353	477.000004	51.946047
0.17	0.98	1.78	0.91	1.1				3.43	4.26	0.44
1.371594	-185.16002	-454.00366	-204.0732	-217.01738				-312.97957	-1171.7724	-41.016125
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0.03	0.03	0.43	0.12	0.09				0.04	0.28	0.04
45.3638	381.7444	1060.2594	458.928	429.0225				1245.6636	2123.9117	151.5723
0.01		0.02	0.01	0.02				0.1	0.14	0.01
10.5		21	10.5	21				105	147	10.5
200.466666	1506.01998	3572.4281	1669.15666	1804.47647				3621.56701	7039.14104	577.545313
200.466666	1506.01998	3572.4281	1669.15666	1804.47647				3621.56701	7039.14104	577.545313
189.966666	1506.01998	3551.4281	1658.65666	1783.47647				3516.56701	6892.14104	567.045313
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
10.5		21	10.5	21				105	147	10.5
200.466666	1506.01998	3572.4281	1669.15666	1804.47647				3621.56701	7039.14104	577.545313
								0.02	0.1	0.01

11.240136	11.264597	11.140334	11.199031	11.224388	11.1586	11.141793	11.067365	10.750178	10.832708	10.967795
0.205118	0.275976	0.298746	0.287017	0.275435	0.296965	0.302273	0.309017	0.465627	0.432817	0.354511
0.15285	0.265793	0.287808	0.276478	0.259157	0.286214	0.291255	0.292805	0.449235	0.415449	0.340754
683181.481	1170120.28	1476377.17	1288471.2	1200869.19	1107144.47	1266808.05	1517705.37	1927550.62	1585443.14	1488025.63
3253.43522	5212.636	5284.6339	4902.18802	5634.79056	5155.45542	5154.26099	5187.44531	6609.7777	5682.92819	6030.54721
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
0.035345	0.035788	0.033594	0.033885	0.03545	0.033024	0.034628	0.034511	0.032569	0.034232	0.034652
246065.531	420391.052	479437.795	426095.344	441442.999	439043.154	455224.833	501981.822	688535.073	576099.004	556360.607
327518.987	567299.097	667228.523	580463.39	593328.901	576162.993	596108.62	653514.687	1016082.57	863100.492	777898.384
2.971607	2.991641	3.011964	2.99083	3.027028	2.964333	2.967001	2.985321	3.103994	3.111236	3.05376
403069.761	690986.874	781559.582	699440.507	741351.557	729598.026	758051.614	846185.229	1128403.36	935201.576	926089.501
1076.20547	954.841442	6961.8756	3098.25498	1642.52243	24.325701	50.645918	16.38906	6036.20017	5223.18039	885.79938
107148.284	135719.835	144245.676	132945.078	143666.545	132999.131	135773.686	147418.371	138842.43	124205.799	144012.273
273.337459	353.43707	353.543323	353.577335	345.352271	353.721093	352.658924	347.684837	354.189872	352.857383	353.838508

143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8	
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965	
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13	
140.933563	178.23685	224.128952	175.848443	167.58297	114.355917	112.698153	107.762752	209.09106	253.002317	188.368532	
34.769468	35.133108	35.012792	34.906152	35.427605	34.41276	34.390454	34.378807	34.921503	35.25112	34.909192	
822682.405	1353236.52	1558004.4	1378133.98	1442880.12	1401893.35	1447912.09	1613953.18	2291473.89	1922849.65	1824034.1	
607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88	
-214898.83	-256645.18	-142412.28	-192180.86	-311356.6	-233226.64	-187079.82	-179826.14	805218.45	507391.371	70293.7781	
607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88	
1103.22	1665.42	1975.81	1683.27	1585.18	1478.19	1432.95	1423.93	1750.24	1667.74	1730.59	
77537.7928	142078.301	36280.1027	46259.9744	191218.493	251774.546	142204.984	42877.9029	320346.201	298594.427	289085.88	
82920.6562	152210.604	42015.759	52188.2498	202096.766	267532.233	158374.081	46309.9719	423458.349	392263.303	350837.675	
10.843952	11.627162	8.413603	7.57735	11.873816	14.598102	10.728357	6.621849	14.469279	16.640318	14.970247	
2111.02237	3664.0798	735.4025	1082.07266	5106.63947	6995.01906	3972.18452	1215.95787	7870.87905	7154.19285	7623.09737	
25.437985	29.873295	38.748439	32.201527	28.303306	27.368245	27.362153	28.614183	43.136298	42.628585	35.328796	
24.93107	28.126057	38.714507	32.162668	26.650544	26.323365	27.076729	28.577832	43.047811	42.557123	35.017831	
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13	
56.111545	97.57263	105.654607	101.495154	95.136759	105.069303	106.642192	107.489061	164.914193	152.511642	125.398353	
-342155.51	-473294.03	-387274.85	-411722.65	-538820.57	-462482.98	-424897.27	-442203.47	458634.915	219114.205	-217352.83	
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19884.7036	33803.8102	42371.6775	37080.1053	34470.2525	32511.0389	37085.0595	44359.4041	56775.4849	46529.9051	43414.0326	
683181.481	1170120.28	1476377.17	1288471.2	1200869.19	1107144.47	1266808.05	1517705.37	1927550.62	1585443.14	1488025.63	
6.39	15.14	9.95	9.11	15.65	14.03	14.24	4.16	105.86	73.45	42.47	
214898.829	256645.181	142412.278	192180.862	311356.602	233226.639	187079.819	179826.137	-805218.45	-507391.37	-70293.778	
131978.173	104434.578	100396.519	139992.612	109259.836	-34305.594	28705.7387	133516.166	-1228676.8	-899654.67	-421131.45	
331.03	296.42	385.69	346.03	307.55	252.08	299.63	382.5	223.28	216.75	266.6	
0.099721			0.000241	0.017263		0.000236	0.013507				
135753.769	235586.365	310282.412	268005.277	223558.956	218513.007	254988.176	316344.687	324935.768	279550.915	273059.023	
5.08	3.48	4.22	3.69	4.94	3.45	3.49	4.74	4.76	3.98	4.07	
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215	
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71	
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71	
730588.748	1258285.97	1448788.1	1279903.9	1334680.46	1305761.02	1354160.23	1499699.92	2144485.93	1798302.07	1703987.88	
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13	
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215	

949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71
30101.0337	53836.2059	63645.2572	54755.0494	57290.4003	53143.7548	54843.2984	60883.3567	102733.509	85206.9918	72976.1963
43.68	72.17	12.12	20.42	91.04	109.7	69.61	36.56	62.69	61.74	98.63
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
515436.458	393728.98	969772.573	788444.514	366773.294	272484.21	489065.807	991615.838	487290.516	452902.051	405158.903
2435.07893	1689.59813	3479.1651	2976.61189	1646.88694	1240.1218	1975.01726	3382.48662	1655.96165	1600.89711	1632.62225
-82162.906	-85536.935	-111941.47	-97897.191	-88349.652	-80634.595	-94112.911	-123376.12	-113980.53	-98089.906	-100044.96
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
515436.458	393728.98	969772.573	788444.514	366773.294	272484.21	489065.807	991615.838	487290.516	452902.051	405158.903
340.55	294.82	385.37	345.78	307.19	250.51	298.71	382.23	221.34	215.49	265.3
169.52545	183.774405	230.30762	219.244382	180.053639	141.702445	175.239342	223.414152	188.775305	191.965303	164.808751
72.553942	62.415002	106.259893	97.554862	62.47246	52.749558	71.440061	102.365065	67.913511	75.368468	63.240683
24899.8311	18782.3414	41137.3764	34014.5227	19656.9911	13505.5136	21803.6809	39570.2859	17221.856	17647.7737	17406.9224
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-209.59925	-222.75244	-274.36636	-260.36487	-212.37897	-214.45371	-244.44912	-290.98142	-290.76665	-278.6645	-245.81072
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
-23.212696	-24.947708	-27.578305	-26.742989	-23.514944	-25.636367	-27.033801	-28.258344	-42.711158	-38.845684	-31.854769
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2423748.3	2527201.22	4055004.43	3404249.27	2444820.89	2338845.22	3033419.62	4477724.16	5355026.32	4261905.22	3591156.02
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
515436.458	393728.98	969772.573	788444.514	366773.294	272484.21	489065.807	991615.838	487290.516	452902.051	405158.903
2435.07893	1689.59813	3479.1651	2976.61189	1646.88694	1240.1218	1975.01726	3382.48662	1655.96165	1600.89711	1632.62225
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82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
515436.458	393728.98	969772.573	788444.514	366773.294	272484.21	489065.807	991615.838	487290.516	452902.051	405158.903
340.55	294.82	385.37	345.78	307.19	250.51	298.71	382.23	221.34	215.49	265.3
169.52545	183.774405	230.30762	219.244382	180.053639	141.702445	175.239342	223.414152	188.775305	191.965303	164.808751

72.553942	62.415002	106.259893	97.554862	62.47246	52.749558	71.440061	102.365065	67.913511	75.368468	63.240683
24899.8311	18782.3414	41137.3764	34014.5227	19656.9911	13505.5136	21803.6809	39570.2859	17221.856	17647.7737	17406.9224
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-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
-23.212696	-24.947708	-27.578305	-26.742989	-23.514944	-25.636367	-27.033801	-28.258344	-42.711158	-38.845684	-31.854769
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2423748.3	2527201.22	4055004.43	3404249.27	2444820.89	2338845.22	3033419.62	4477724.16	5355026.32	4261905.22	3591156.02
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12

4388.17584	3828.11799	3164.04893	3212.44885	4195.73612	4415.07087	4357.79939	4800.83979	4995.83704	4104.51927	4279.33272
101932.529	92007.037	78970.7485	81037.2039	93779.1796	113630.165	117307.176	133399.108	211642.548	159177.258	134448.123
	3.052036									
	0.130779									
	0.261558									
23.655532	23.229863	25.577805	25.890015	20.875655	11.014209	27.244029	26.567079	33.935058	35.253165	26.688063
15.849206	0.696895	1.023112	1.0356	2.713835	0.220284	2.996843	2.391037	0.678701	0.705063	0.800641
4388.17584	3828.11799	3164.04893	3212.44885	4195.73612	4415.07087	4357.79939	4800.83979	4995.83704	4104.51927	4279.33272
11.194326	9.969057	7.755021	8.543746	10.085904	11.742209	11.318959	11.322735	12.744482	11.660566	10.51433
101932.529	92007.037	78970.7485	81037.2039	93779.1796	113630.165	117307.176	133399.108	211642.548	159177.258	134448.123
101932.529	92007.037	78970.7485	81037.2039	93779.1796	113630.165	117307.176	133399.108	211642.548	159177.258	134448.123
4388.17584	3827.85643	3164.04893	3212.44885	4195.73612	4415.07087	4357.79939	4800.83979	4995.83704	4104.51927	4279.33272

-101932.53	-92007.037	-78970.748	-81037.204	-93779.18	-113630.16	-117307.18	-133399.11	-211642.55	-159177.26	-134448.12
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10.65	0.27	0.24	0.35	1.72	0.19	0.52	0.78	0.17	0.06	0.27
80567.4624	85536.9354	111941.474	94184.5204	85095.9638	79764.6882	94112.9109	123376.122	113980.526	98089.9056	97190.715
4388.17584	3828.11799	3164.04893	3212.44885	4195.73612	4415.07087	4357.79939	4800.83979	4995.83704	4104.51927	4279.33272
4388.17584	3828.11799	3164.04893	3212.44885	4195.73612	4415.07087	4357.79939	4800.83979	4995.83704	4104.51927	4279.33272
101932.529	92007.037	78970.7485	81037.2039	93779.1796	113630.165	117307.176	133399.108	211642.548	159177.258	134448.123
101932.529	92007.037	78970.7485	81037.2039	93779.1796	113630.165	117307.176	133399.108	211642.548	159177.258	134448.123
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	380282.998	384703.28	353226.732	405721.468
1808.73566	1384.2249	936.712293	892.492287	1534.52759	1513.91373	1388.4038	1315.42997	1329.38649	1274.29189	1667.34587
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
190112.527	157840.018	146066.809	130064.83	160020.53	179545.856	198532.436	233319.886	364077.324	287341.296	268113.009
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
21.083801	17.161112	13.58046	13.349477	16.817699	18.76153	19.256386	19.693399	21.904384	21.148262	21.008612
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8329.92516	8115.84188	7444.18825	8550.50512
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	380282.998	384703.28	353226.732	405721.468
187177.885	142987.422	106871.99	99070.9463	159354.316	142484.559	139903.379	147893.806	42505.7715	65885.4362	137608.459
187177.885	142987.422	106871.99	99070.9463	159354.316	142484.559	139903.379	147893.806	42505.7715	65885.4362	137608.459
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
190112.527	157840.018	146066.809	130064.83	160020.53	179545.856	198532.436	233319.886	364077.324	287341.296	268113.009
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	365327.464	368015.104	337896.853	388168.462
1736.51508	1331.85934	898.431401	856.243321	1474.761	1455.58359	1333.52299	1263.76959	1271.73959	1218.96461	1595.27545
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
213544.598	177542.205	164006.878	146024.946	179884.228	201932.577	223078.212	262204.75	409125.761	322846.185	301252.872

9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
23.681709	19.314403	15.240152	14.983748	18.907941	21.100927	21.637571	22.134122	24.614653	23.760748	23.607199
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9362.25405	9120.07761	8363.7835	9608.13025
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	365327.464	368015.104	337896.853	388168.462
148687.035	111858.644	78618.786	73809.4206	127035.534	107650.101	101976.527	104024.011	-20038.247	15050.6679	86915.5897
148687.035	111858.644	78618.786	73809.4206	127035.534	107650.101	101976.527	104024.011	-20038.247	15050.6679	86915.5897
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
213544.598	177542.205	164006.878	146024.946	179884.228	201932.577	223078.212	262204.75	409125.761	322846.185	301252.872
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
4290.75275	3923.0727	3156.72112	3311.68627	4174.67117	4307.75386	4225.68432	4708.48287	4955.06958	3996.79552	4161.76322
99667.8052	93969.6885	78969.1722	83275.3584	93029.5619	110780.909	113846.965	130630.651	209729.119	154901.243	130832.31

23.402461			25.311934	21.176869						
2.340246			0.253119	0.423537						
4290.75275	3923.0727	3156.72112	3311.68627	4174.67117	4307.75386	4225.68432	4708.48287	4955.06958	3996.79552	4161.76322
10.945797	10.216335	7.737061	8.807676	10.035267	11.456792	10.975803	11.104912	12.640483	11.354532	10.225462
99667.8052	93969.6885	78969.1722	83275.3584	93029.5619	110780.909	113846.965	130630.651	209729.119	154901.243	130832.31
99667.8052	93969.6885	78969.1722	83275.3584	93029.5619	110780.909	113846.965	130630.651	209729.119	154901.243	130832.31
4290.75275	3923.0727	3156.72112	3311.68627	4174.67117	4307.75386	4225.68432	4708.48287	4955.06958	3996.79552	4161.76322
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82162.9057	83445.8855	111941.474	94423.4849	88349.6521	79462.5265	94112.9109	123376.122	113980.526	95846.5603	97058.1758
4290.75275	3923.0727	3156.72112	3311.68627	4174.67117	4307.75386	4225.68432	4708.48287	4955.06958	3996.79552	4161.76322
4290.75275	3923.0727	3156.72112	3311.68627	4174.67117	4307.75386	4225.68432	4708.48287	4955.06958	3996.79552	4161.76322
99667.8052	93969.6885	78969.1722	83275.3584	93029.5619	110780.909	113846.965	130630.651	209729.119	154901.243	130832.31
99667.8052	93969.6885	78969.1722	83275.3584	93029.5619	110780.909	113846.965	130630.651	209729.119	154901.243	130832.31
4209.04755	3600.12091	2960.91101	2856.43427	3959.18344	4229.1866	4240.91715	4428.24637	4694.97777	3878.53845	4262.01166
98275.1785	87471.422	74830.3451	72989.8071	89068.5324	108987.585	114244.744	123721.913	199492.715	150497.099	133726.031
			35.361387							33.972387
			0.353613							0.679447
4209.04755	3600.12091	2960.91101	2856.43427	3959.18344	4229.1866	4240.91715	4428.24637	4694.97777	3878.53845	4262.01166
10.737366	9.375314	7.257134	7.596899	9.517267	11.247836	11.015369	10.443977	11.976984	11.018575	10.471773
98275.1785	87471.422	74830.3451	72989.8071	89068.5324	108987.585	114244.744	123721.913	199492.715	150497.099	133726.031
98275.1785	87471.422	74830.3451	72989.8071	89068.5324	108987.585	114244.744	123721.913	199492.715	150497.099	133726.031
4209.04755	3600.12091	2960.91101	2856.43427	3959.18344	4229.1866	4240.91715	4428.24637	4694.97777	3878.53845	4262.01166
-98275.178	-87471.422	-74830.345	-72989.807	-89068.532	-108987.59	-114244.74	-123721.91	-199492.72	-150497.1	-133726.03
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			0.06							0.03
82162.9057	81595.5394	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
4209.04755	3600.12091	2960.91101	2856.43427	3959.18344	4229.1866	4240.91715	4428.24637	4694.97777	3878.53845	4262.01166
4209.04755	3600.12091	2960.91101	2856.43427	3959.18344	4229.1866	4240.91715	4428.24637	4694.97777	3878.53845	4262.01166
98275.1785	87471.422	74830.3451	72989.8071	89068.5324	108987.585	114244.744	123721.913	199492.715	150497.099	133726.031
98275.1785	87471.422	74830.3451	72989.8071	89068.5324	108987.585	114244.744	123721.913	199492.715	150497.099	133726.031
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
803.292692	919.425616	791.895282	737.016983	796.585237	594.32469	585.714428	668.149611	648.143058	627.706529	843.363244
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
74724.9826	93063.6193	109525.315	95544.5059	73627.6952	62143.8597	74097.371	104759.738	157039.066	129965.932	124151.411
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
8.345717	10.1716	10.23575	9.853106	7.776704	6.527919	7.241826	8.913548	9.361703	9.636925	9.847353

-92875.045	-107035.36	-104420.71	-94250.763	-92106.943	-63600.057	-68737.157	-88856.075	-30964.171	-43816.36	-81171.915
-92875.045	-107035.36	-104420.71	-94250.763	-92106.943	-63600.057	-68737.157	-88856.075	-30964.171	-43816.36	-81171.915
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
92875.0451	107035.357	104420.708	94250.7631	92106.9429	63600.0572	68737.1566	88856.075	30964.1706	43816.36	81171.9151
92875.0451	107035.357	104420.708	94250.7631	92106.9429	63600.0572	68737.1566	88856.075	30964.1706	43816.36	81171.9151
82162.9057	83648.4881	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	98398.458
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
74724.9826	93063.6193	109525.315	95544.5059	73627.6952	62143.8597	74097.371	104759.738	157039.066	129965.932	124151.411
-92875.045	-107035.36	-104420.71	-94250.763	-92106.943	-63600.057	-68737.157	-88856.075	-30964.171	-43816.36	-81171.915
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326

312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	343349.902	386080.453	238166.224	379572.217
1500.39083	1454.98259	1021.06463	1017.76654	1559.09589	1698.97166	1351.58461	1195.68415	1343.68445	865.717949	1570.71343
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
83354.65	84888.6638	80325.6772	76304.2439	84931.3585	106692.725	102526.14	110748.249	197407.521	103782.416	133949.599
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
9.364269	9.602189	7.881722	8.148755	9.124619	11.232046	10.045435	9.551151	11.917912	7.761943	10.698748
-228809.63	-228674.3	-193141.09	-184252.52	-237867.03	-252452.41	-226365.43	-233663.56	-209323.5	-134383.81	-245622.62
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3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4037.33893	4431.59289	2732.20402	4354.39047
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	343349.902	386080.453	238166.224	379572.217
228809.633	228674.3	193141.093	184252.525	237867.029	252452.411	226365.432	233663.558	209323.499	134383.808	245622.618
228809.633	228674.3	193141.093	184252.525	237867.029	252452.411	226365.432	233663.558	209323.499	134383.808	245622.618
82162.9057	85536.9354	111941.474	96604.185	88015.4304	80634.5952	94112.9109	123376.122	113291.611	96120.8616	99878.1241
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217

3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
83354.65	84888.6638	80325.6772	76304.2439	84931.3585	106692.725	102526.14	110748.249	197407.521	103782.416	133949.599
-228809.63	-228674.3	-193141.09	-184252.52	-237867.03	-252452.41	-226365.43	-233663.56	-209323.5	-134383.81	-245622.62
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1282576.18	1326802.07	1103072.1	1378785.47
5848.93426	5090.49245	3648.10361	3503.51913	5364.96972	5262.79367	4659.22584	4443.03332	4592.95359	3986.68097	5676.69799
37378.371	32951.0454	28432.4203	26802.5625	34222.4085	34618.0427	35224.1705	39501.4712	41222.9572	33912.2268	39224.0063
861612.271	786782.654	732694.944	685240.895	774341.085	883713.677	943633.043	1098784.29	1748514.05	1308511.43	1226473.36
	3.052036									
	0.018682									
	0.261558									
23.928149	23.229863	25.577805	27.083424	21.048873	11.014209	27.244029	26.567079	33.935058	35.253165	29.378474
16.03186	0.696895	1.023112	1.083336	2.736353	0.220284	2.996843	2.391037	0.678701	0.705063	0.881354
37378.371	32951.0454	28432.4203	26802.5625	34222.4085	34618.0427	35224.1705	39501.4712	41222.9572	33912.2268	39224.0063
95.352987	85.810013	69.687304	71.28341	82.265405	92.069262	91.491352	93.163847	105.160605	96.341553	96.373479
-357674.09	-317107.58	-250282.31	-214081.29	-340486.55	-232788.47	-191583.61	-186685.78	358109.189	205439.328	-152312.12
-357674.09	-317107.58	-250282.31	-214081.29	-340486.55	-232788.47	-191583.61	-186685.78	358109.189	205439.328	-152312.12
37378.371	32950.7838	28432.4203	26802.5625	34222.4085	34618.0427	35224.1705	39446.4316	39983.1847	33912.2268	39224.0063
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1282576.18	1326802.07	1103072.1	1378785.47
357674.085	317107.575	250282.311	214081.285	340486.547	232788.469	191583.61	186685.779	-358109.19	-205439.33	152312.117
357674.085	317104.523	250282.311	214081.285	340486.547	232788.469	191583.61	186685.779	-358109.19	-205439.33	152312.117
10.9	0.27	0.24	0.44	1.76	0.19	0.52	0.78	0.17	0.06	0.3
573544.897	590837.655	783590.319	676800.952	614859.655	562400.191	658790.376	863632.851	797174.765	682416.95	692660.357
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
37378.371	32951.0454	28432.4203	26802.5625	34222.4085	34618.0427	35224.1705	39501.4712	41222.9572	33912.2268	39224.0063
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
37378.371	32951.0454	28432.4203	26802.5625	34222.4085	34618.0427	35224.1705	39501.4712	41222.9572	33912.2268	39224.0063
861612.271	786782.654	732694.944	685240.895	774341.085	883713.677	943633.043	1098784.29	1748514.05	1308511.43	1226473.36
-357674.09	-317107.58	-250282.31	-214081.29	-340486.55	-232788.47	-191583.61	-186685.78	358109.189	205439.328	-152312.12
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47

11.240136	11.264597	11.140334	11.199031	11.224388	11.1586	11.141793	11.067365	10.750178	10.832708	10.967795
0.205118	0.275976	0.298746	0.287017	0.275435	0.296965	0.302273	0.309017	0.465627	0.432817	0.354511
0.15285	0.265793	0.287808	0.276478	0.259157	0.286214	0.291255	0.292805	0.449235	0.415449	0.340754
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2417904.29	2667739.48	3429127	2976237.89	2682470.12	2496130.83	2891090.51	3791897.39	3741643.21	3141417.3	3271970
11537.4484	11992.7266	12411.9026	11382.319	12646.6472	11658.3709	11788.5041	13012.9653	12858.6929	11270.5063	13339.8674
-22788.809	-15118	-40401.974	-32932.45	-14550.352	-6510.4945	-17831.496	-38299.288	-8111.2045	-10493.581	-9783.825
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
0.035345	0.035788	0.033594	0.033885	0.03545	0.033024	0.034628	0.034511	0.032569	0.034232	0.034652
246065.531	420391.052	479437.795	426095.344	441442.999	439043.154	455224.833	501981.822	688535.073	576099.004	556360.607
327518.987	567299.097	667228.523	580463.39	593328.901	576162.993	596108.62	653514.687	1016082.57	863100.492	777898.384
2.971607	2.991641	3.011964	2.99083	3.027028	2.964333	2.967001	2.985321	3.103994	3.111236	3.05376
403069.761	690986.874	781559.582	699440.507	741351.557	729598.026	758051.614	846185.229	1128403.36	935201.576	926089.501
1076.20547	954.841442	6961.8756	3098.25498	1642.52243	24.325701	50.645918	16.38906	6036.20017	5223.18039	885.79938
107148.284	135719.835	144245.676	132945.078	143666.545	132999.131	135773.686	147418.371	138842.43	124205.799	144012.273
273.337459	353.43707	353.543323	353.577335	345.352271	353.721093	352.658924	347.684837	354.189872	352.857383	353.838508
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
140.933563	178.23685	224.128952	175.848443	167.58297	114.355917	112.698153	107.762752	209.09106	253.002317	188.368532
34.769468	35.133108	35.012792	34.906152	35.427605	34.41276	34.390454	34.378807	34.921503	35.25112	34.909192
822682.405	1353236.52	1558004.4	1378133.98	1442880.12	1401893.35	1447912.09	1613953.18	2291473.89	1922849.65	1824034.1
607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
-214898.83	-256645.18	-142412.28	-192180.86	-311356.6	-233226.64	-187079.82	-179826.14	805218.45	507391.371	70293.7781
1469395.85	1883373.99	2148287.07	1871194.01	1905864.6	2052380.38	2204465.32	2532911.33	4845206.39	3738752.45	3120801.24
1103.22	1665.42	1975.81	1683.27	1585.18	1478.19	1432.95	1423.93	1750.24	1667.74	1730.59
77537.7928	142078.301	36280.1027	46259.9744	191218.493	251774.546	142204.984	42877.9029	320346.201	298594.427	289085.88
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
515436.458	393728.98	969772.573	788444.514	366773.294	272484.21	489065.807	991615.838	487290.516	452902.051	405158.903
340.55	294.82	385.37	345.78	307.19	250.51	298.71	382.23	221.34	215.49	265.3
169.52545	183.774405	230.30762	219.244382	180.053639	141.702445	175.239342	223.414152	188.775305	191.965303	164.808751

5.182424	4.161	7.083992	6.503657	4.16483	4.057658	5.495389	8.530422	4.527567	5.024564	4.216045
24,900	18,782	41,137	34,015	19,657	13,506	21,804	39,570	17,222	17,648	17,407
82920.6562	152213.656	42015.759	52188.2498	202096.766	267532.233	158374.081	46309.9719	423458.349	392263.303	350837.675
4.647408	5.434727	3.926348	3.536096	5.541114	5.614654	4.126291	2.207283	6.75233	7.765482	6.986115
2,111	3,664	735	1,082	5,107	6,995	3,972	1,216	7,871	7,154	7,623
25.156411	29.834225	38.684798	32.159533	28.116625	27.2682	27.290859	28.612488	43.099308	42.640003	35.177186
24.733755	28.095615	38.652222	32.121032	26.507334	26.230179	27.01187	28.576367	43.011227	42.568638	34.868608
-22788.809	-15118	-40401.974	-32932.45	-14550.352	-6510.4945	-17831.496	-38299.288	-8111.2045	-10493.581	-9783.825
-58.134716	-39.369791	-99.024445	-87.586303	-34.976806	-17.315144	-46.315575	-90.32851	-20.691848	-29.811309	-24.038882
-6509999	-6746101.7	-7783906.1	-6984206.8	-7098101.5	-6504230.5	-6983062.5	-8335573.2	-8030886.4	-6958232.6	-7698001.5
-79.233898	-78.914617	-69.583962	-71.387517	-80.382015	-80.681545	-74.209949	-67.577704	-70.476403	-70.964944	-76.964686
-6509999	-6746101.7	-7783906.1	-6984206.8	-7098101.5	-6504230.5	-6983062.5	-8335573.2	-8030886.4	-6958232.6	-7698001.5
57263.0746	66754.594	70804.0978	63882.6678	68692.661	67129.0816	72309.23	83805.8357	96758.6697	80442.1319	82638.0389
1902467.84	2274010.51	2459354.42	2187793.38	2315696.82	2223646.62	2402024.7	2800281.55	3254352.69	2688515.24	2866811.1
6382742.32	6529452.82	7539043.5	6764664.97	6870637.55	6274974.19	6745245.06	8073195.86	7684302.88	6669955.48	7410354.86
6815258.13	6770968.14	8466800.32	7500921.24	7035314.08	6279926.17	7075936.79	9018501.73	7748135.05	6730594.23	7464676.09
0.099721			0.000241	0.017263		0.000236	0.013507			
791461.571	911960.955	1205814.21	1042703.42	926768.263	861547.792	1007891.46	1303353.66	1236091.06	1060057.77	1065764.34
5.08	3.48	4.22	3.69	4.94	3.45	3.49	4.74	4.76	3.98	4.07
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
7979394.85	8629475.66	9932193.14	8855400.78	9003966.12	8556610.92	9187527.83	10868484.5	12876092.8	10696985.1	10818802.7
4077537.28	4807247.84	5871076.08	5112802.71	4863219.32	4814012.85	5365300.01	6647908.9	8896198.09	7123202.08	6676463.31
730588.748	1258285.97	1448788.1	1279903.9	1334680.46	1305761.02	1354160.23	1499699.92	2144485.93	1798302.07	1703987.88
59374.097	70418.9354	71539.5003	64964.7405	73799.3005	74124.1007	76281.4145	85076.8332	105869.321	87596.3248	90261.1363
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
4077537.28	4807247.84	5871076.08	5112802.71	4863219.32	4814012.85	5365300.01	6647908.9	8896198.09	7123202.08	6676463.31
30101.0337	53836.2059	63645.2572	54755.0494	57290.4003	53143.7548	54843.2984	60883.3567	102733.509	85206.9918	72976.1963
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
37378.371	32951.0454	28432.4203	26802.5625	34222.4085	34618.0427	35224.1705	39501.4712	41222.9572	33912.2268	39224.0063
861612.271	786782.654	732694.944	685240.895	774341.085	883713.677	943633.043	1098784.29	1748514.05	1308511.43	1226473.36
-357674.09	-317107.58	-250282.31	-214081.29	-340486.55	-232788.47	-191583.61	-186685.78	358109.189	205439.328	-152312.12
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47

2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02
3736227.7	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
-3736227.7	-3979894.7	-4061117.1	-3979894.7	-3979894.7	-4061117.1	-3817450	-4061117.1	-4142542.5	-4059492.6	-3645258.7
-3736227.7	-3979894.7	-4061117.1	-3979894.7	-3979894.7	-4061117.1	-3817450	-4061117.1	-4142542.5	-4059492.6	-3645258.7
3736227.7	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
3736227.7	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
3736227.7	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
29.75727	23.537427	24.577458	27.207318	26.647396	23.457385	26.007324	27.36739	28.567382	43.626486	39.776488
25.228441	25.228329	25.228441	25.228441	25.228404	25.228385	25.228404	25.22846	25.228497	25.733008	25.732972
29.632442	23.412535	24.452553	27.08247	26.522516	23.33251	25.882473	27.242513	28.442508	43.501976	39.651977
29.728464	23.508606	24.548634	27.178507	26.618577	23.428568	25.978512	27.338572	28.538565	43.597753	39.747755
29.008297	22.788072	23.828028	26.458229	25.898118	22.708132	25.258221	26.618125	27.818137	42.879425	39.029422
29.286762	23.066679	24.106662	26.736736	26.176695	22.986701	25.536733	26.896698	28.096702	43.157178	39.307177
$ 29.71	$ 23.49	$ 24.53	$ 27.16	$ 26.60	$ 23.41	$ 25.96	$ 27.32	$ 28.52	$ 43.58	$ 39.73
$ 29.75	$ 23.53	$ 24.57	$ 27.20	$ 26.64	$ 23.45	$ 26.00	$ 27.36	$ 28.56	$ 43.62	$ 39.77

23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.710545	23.710545
1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.4	1.4
29.45	23.23	24.27	26.9	26.34	23.15	25.7	27.06	28.26	43.32	39.47
5.24082	4.939329	4.94952	4.991504	4.98417	4.968809	5.037629	5.849688	6.541028	6.589057	6.601689
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
0.033641	0.029846	0.027175	0.027142	0.03551	0.03315	0.028085	0.029775	0.034509	0.022882	0.033238
8001.45	8556.75	8755.425	8580.6	8506.8	8701.65	8222.4	8732.025	8863.2	8618.175	7656.75
21.74307	21.828443	21.888562	21.889285	21.70102	21.754125	21.868085	21.775623	21.723529	21.98514	21.75213
8280	8820	9000	8820	8820	9000	8460	9000	9180	8820	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5	22.5

0.96	2.73	5.6	3.69	2.78	14.16	0.72			10.04	8.8

6.499109	2.8257	3.95598	6.12235	4.14436	3.7676	1.97799	1.78961	0.75352	7.441009	7.723579
0.03744	0.012947	0.018775	0.034658	0.021521	0.019447	0.004656	0.002826	0.000667	0.086667	0.08577
0.03644	0.012653	0.017975	0.033852	0.020943	0.0188	0.004441	0.00275	0.000661	0.084744	0.08338
1726.813	1579.28974	7199.52286	37348.5039	19798.7915	5563.66849	345.724661	612.679621	791.656127	35421.0511	26086.7608
7.59451	6.809324	24.044668	114.792802	64.477687	20.464217	1.416995	2.161773	2.392901	114.299694	88.23216
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3

0.029103	0.029591	0.0304	0.030663	0.026326	0.033575	0.034308	0.032875	0.026102	0.021352	0.029034
7325.9098	2709.65792	3927.91138	7249.42754	4485.13942	4108.19104	912.32434	600.9322	147.50154	18148.1524	16033.9637
38626.302	13392.3615	20549.1145	38216.9225	23781.3614	20060.0956	4432.05582	3216.72816	906.826994	92339.9578	83185.8579
3.616613	1.512399	2.160032	3.303201	2.261826	2.004696	1.062523	1.046937	0.530329	4.09355	4.273569
271.14674	270.237684	1160.871	5955.40256	3129.42417	934.072679	64.489842	96.682284	108.560742	5756.33156	4123.65374
20722.82	22063.2	22494.72	22038.84	22137.44	22421.06	21059.8	22437.3	23046.3	22250.54	19823.24
56.31201	56.283673	56.2368	56.22153	56.473061	56.05265	56.010106	55.953366	56.486029	56.761581	56.316022
21344	22736	23200	22736	22736	23200	21808	23200	23664	22736	20416
58	58	58	58	58	58	58	57.855361	58	58	58
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
40.685299	17.0389	24.331991	37.28332	25.421196	22.712273	12.076339	11.765014	5.859622	46.220487	48.366689
40.685299	17.0389	24.331991	37.28332	25.421196	22.712273	12.076339	11.765014	5.859622	46.220487	48.366689
46006.71	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
52442.048	18701.6436	29175.722	57636.241	33458.7523	29431.7492	5787.47669	4153.32343	1147.75379	126134.124	121250.8
6435.3386	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
52442.048	18701.6436	29175.722	57636.241	33458.7523	29431.7492	5787.47669	4153.32343	1147.75379	126134.124	121250.8
177.86	130.72	166.74	227.22	193.2	110.08	128.71	106.75	97.43	246.71	224.62
44279.897	14480.9209	17280.3444	8076.93702	8445.43206	18613.7195	5000.68956	3222.61854	269.555267	75439.4783	73396.5778
50476.315	16816.5702	20686.5865	9928.68869	9864.39976	22538.5703	5409.57897	3474.49098	304.381401	85700.9585	89532.5392
38.743393	16.011704	17.864388	14.289807	11.752807	19.985363	11.080826	9.296633	1.090443	36.178669	39.301479
748.99279	258.989302	293.772202	137.384539	143.934095	336.991013	90.013217	53.535398	4.134281	1315.61959	1264.49835
59.798786	56.439406	59.166321	60.102427	59.898177	57.806894	59.680315	61.130876	75.201652	61.113248	61.321198
16.03609	11.274333	23.065094	39.043468	26.33555	17.82801	4.774425	6.724396	5.996924	46.945535	46.554649
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
2.113532	0.733877	1.04255	1.963418	1.214744	1.0904	0.257606	0.159102	0.038382	4.915204	4.836079
6435.3386	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
6435.3386	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
28.78721	28.690697	123.247797	632.27546	332.245904	99.168986	6.846782	10.264601	11.525718	611.140414	437.801649
1726.813	1579.28974	7199.52286	37348.5039	19798.7915	5563.66849	345.724661	612.679621	791.656127	35421.0511	26086.7608
11.3	3.71	4.45	3.47	3.29	4.42	1.5	0.92	0.12	21.09	15.42
-6435.3386	-2641.4329	-4695.8547	-12210.8	-5214.5288	-5254.3613	-441.06247	-318.02527	-86.542398	-15273.594	-21767.461
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0.12	0.08	0.86	4.44	2.8	0.45	0.01	0.07	0.14	4.15	2.42
2969.8175	1114.6511	1978.9326	4296.5985	2487.1062	1846.1329	388.1704	285.846	88.9127	10073.8777	8413.3172
0.4	0.02	0.16	0.2	0.13	0.18	0.04	0.06	0.02	0.75	0.53

193.72	9.686	77.488	96.86	62.959	87.174	19.372	29.058	9.686	370.4925	261.8147
46006.71	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
46006.71	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
38626.302	13392.3615	20549.1145	38216.9225	23781.3614	20060.0956	4432.05582	3216.72816	906.826994	92339.9578	83185.8579
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
193.72	9.686	77.488	96.86	62.959	87.174	19.372	29.058	9.686	370.4925	261.8147
46006.71	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
7186.6872	2658.1632	3853.2648	7111.6584	4399.9032	4030.1184	894.9864	589.512	144.6984	18150.0792	16035.666
		0.01				0.08			0.82	1.14
11.051835	11.273555	11.271967	11.18583	11.226342	11.25938	11.188005	11.166519	11.115017	10.787695	10.848071
0.586773	0.484415	0.482255	0.511133	0.499931	0.487614	0.522536	0.530326	0.561388	0.792209	0.73177
0.565245	0.469735	0.46567	0.491443	0.480545	0.469683	0.505625	0.51228	0.543145	0.767456	0.705978
465920.9	644774.061	694450.763	798581.779	771007.347	654361.862	562558.185	717607.796	874798.782	1046293.36	851960.488
2147.2672	3017.09955	3019.34952	2847.47204	2886.8687	3040.98602	2571.18934	2859.49476	2951.04897	3511.66435	2991.71888
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
0.037554	0.03153	0.035075	0.039362	0.039413	0.0377	0.033351	0.03455	0.033602	0.032015	0.034289
254042.24	229870.807	232653.652	238790.262	234170.907	234228.084	235275.305	253097.998	272039.313	357682.108	297448.884
343721.05	310849.578	315603.981	323903.951	317818.751	315573.845	319346.5	343300.711	368498.014	501435.306	416235.5
3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.292899	3.2929
476837.28	431467.506	436690.905	448209.322	439538.793	439646.115	441611.748	475064.942	510617.79	677056.462	563040.993
39313.98	42140.04	42842.67	41799.27	41797.05	42726.12	40344.06	42865.98	43766.19	42118.95	37732.23
106.83147	107.500102	107.106675	106.63079	106.625127	106.8153	107.298031	106.897705	107.270073	107.446301	107.193835
40848	43512	44400	43512	43512	44400	41736	44400	45288	43512	39072
111	111	111	111	111	111	111	110.723192	111	111	111
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
37.825329	38.597042	38.565441	38.351716	38.461131	38.624404	38.260262	38.182869	38.004795	37.630842	37.805519
37.430457	38.146991	38.135514	37.857808	37.987388	38.10709	37.863869	37.794835	37.634937	37.331777	37.532922
869642.69	786804.302	797387.644	819766.272	803610.954	801935.27	805966.545	866654.558	930964.154	1247790.52	1036060.08
814820.55	559584.345	590156.105	686729.237	643105.467	578196.368	633105.694	711689.248	799087.716	1617327.8	1247700.56
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814820.55	559584.345	590156.105	686729.237	643105.467	578196.368	633105.694	711689.248	799087.716	1617327.8	1247700.56
354.18	379.64	385.97	376.57	376.55	384.92	363.46	386.18	394.29	379.45	339.93
395505.23	133720.312	94440.2111	11380.6433	23359.9765	137769.557	235752.019	141016.943	47855.4423	192640.766	177243.034
472825.66	145367.797	98412.1761	12681.879	25289.9346	143579.002	254696.239	158949.823	52559.928	271261.073	245351.497

56.412554	37.276065	31.538339	18.902778	24.097618	36.952523	47.382815	38.132655	22.434245	31.528825	36.261889
10884.787	3675.57016	2550.76285	311.964435	638.731386	3788.66301	6447.8937	3881.79706	1325.75196	5261.50346	4842.9834
28.007995	23.759391	24.662302	25.362282	25.515963	23.835852	25.913732	26.533284	28.022512	36.431773	33.268438
25.42789	22.337619	23.180207	25.33852	25.462762	21.966268	24.358095	26.120304	27.96539	36.382375	33.170024
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
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12204.365	16763.5758	18124.9931	21071.7356	20270.7486	17065.269	14654.9063	18863.4489	23272.226	28132.0645	22741.0106
465920.9	644774.061	694450.763	798581.779	771007.347	654361.862	562558.185	717607.796	874798.782	1046293.36	851960.488
30.36	7.36	6.88	1.68	2.63	6.53	12.9	13.35	5.8	67.4	43.19
54822.14	227219.958	207231.54	133037.035	160505.487	223738.902	172860.851	154965.31	131876.439	-369537.28	-211640.48
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169.72	283.83	299.28	338.96	335.65	279.41	235.12	290.1	338.42	207.82	196.69
74015.305	78866.8208	86004.7351	100981.705	96933.2691	79875.9353	77288.9663	93901.9724	113331.433	109033.001	93699.2401
0.88	0.89	0.91	1.05	0.99	1.05	0.82	0.86	0.89	0.93	0.72
8216.56	8309.93	8496.67	9803.85	9243.63	9803.85	7656.34	8029.82	8309.93	8856.39	6856.56
1002430.6	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
1002430.6	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
820558.33	742317.084	752294.886	772113.273	757357.544	755219.96	760958.249	818365.653	879115.803	1178491.77	979276.493
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
8216.56	8309.93	8496.67	9803.85	9243.63	9803.85	7656.34	8029.82	8309.93	8856.39	6856.56
1002430.6	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
40867.799	36177.2884	36596.0881	37849.149	37009.7796	36911.4596	37351.956	40259.0854	43538.4211	60442.3581	49927.0291
129.38	72.87	61.94	10.61	18.5	78.89	104.01	70.4	38.8	60.64	61.79

1065.54	1138.83	1157.1	1140	1143.48	1167.21	1101.66	1165.38	1183.95	1126.44	1023.36
2.895489	2.905178	2.89275	2.908163	2.91704	2.918025	2.929946	2.906184	2.901838	2.873571	2.907272
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1056
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0.694795	0.589165	0.596026	0.627278	0.635725	0.576815	0.660069	0.673185	0.723089	0.850927	0.808215
0.661148	0.368102	0.571666	0.598943	0.60264	0.462886	0.633539	0.636081	0.612777	0.814098	0.769166
304976.95	185093.277	294287.771	299733.751	301440.9	237370.826	302119.752	321784.931	312260.539	399786.711	340653.542
1417.8959	866.373541	1278.82971	1070.87182	1130.95946	1134.01338	1390.94272	1286.91564	1051.35547	1351.61457	1205.12996
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
0.048777	0.048392	0.041575	0.046173	0.050484	0.0503	0.041861	0.053625	0.042671	0.044107	0.049005
119754.04	72556.881	115184.745	117279.413	117833.351	93296.8472	118192.469	125744.926	122220.232	153344.642	130734.641
161826.18	98084.6174	156137.402	158893.407	159918.504	125699.759	160215.823	170644.896	165222.921	214577.767	182820.144
2.4519	2.451899	2.451899	2.451899	2.451899	2.451899	2.451899	2.4519	2.4519	2.5022	2.5022
131956.98	79950.4272	126922.07	129230.186	129840.569	102803.796	130236.282	138558.334	134674.474	169016.465	144095.721
15052.15	10507.05	16484.91	16077.7	15965.04	13781.07	15491.18	16236.8	14853.06	16112.53	14394.25
40.902581	26.803698	41.212275	41.01454	40.727142	34.452675	41.199946	40.490773	36.404558	41.103392	40.892755
15824	16856	17200	16856	16856	17200	16168	17200	17544	16856	15136
43	43	43	43	43	43	43	42.892768	43	43	43
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
30.019836	31.365478	30.577606	30.308893	30.369803	31.568824	30.195609	30.234074	30.305711	29.822484	30.040319
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311402.47	192467.204	299862.666	305460.281	307675.429	247819.427	307265.441	328481.277	321312.152	405298.032	346306.178
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39802.91	-23924.37	-24216.939	6694.15704	-5763.6586	-35682.199	-8342.8131	860.189891	16234.6824	232157.157	153604.583
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350.05	243.87	383.37	373.9	370.98	320.49	360.26	377.32	345.42	374.71	334.75
837.53201	77.218224	79.271906			288.626796	111.883466				
1129.5469	84.63459	75.517164			303.351988	134.471355				
4.149072	0.942039	0.956028			2.716728	1.075716				
29.501141	2.786769	2.743165			10.07299	3.903037				
27.894013	23.695658	23.382374	25.511522	25.243881	27.158896	26.461454	27.92784	29.073539	43.920427	39.487661
21.707681	13.488386	7.610659	7.398341	8.078041	13.857274	12.899049	8.378352	6.396178	14.932945	9.871915
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
28.429402	15.828418	24.581675	25.754566	25.913545	19.904125	27.242207	27.283316	26.349411	35.006224	33.074147
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10432.519	6201.95323	9829.92683	10095.79	10158.11	7951.57701	10239.167	10940.61	10750.56	13722.44	11642.1
304976.95	185093.277	294287.771	299733.751	301440.9	237370.826	302119.752	321784.931	312260.539	399786.711	340653.542
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4.13	7.37	2.8	4.57	3	3.4	2.91	3.64	2.81	3.52	3.2
	0.346938			0.002551	0.1575		0.0025	0.115196		
72219.088	49153.4933	84725.0593	99458.2797	95011.5041	63061.4796	75756.0386	90172.9336	97165.2319	107206.551	90869.0678
1.21	1.58	1.19	1.24	1.35	2.2	1.09	1.45	1.96	1.17	1.2
5587.9857	7296.7086	5495.6223	5726.5308	6234.5295	10159.974	5033.8053	6696.3465	9051.6132	5511.3201	5652.636
373997.9	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
373997.9	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
293783.16	178035.045	283059.473	288123.592	289759.073	228503.555	290452.105	309203.229	299897.395	383594.232	326915.864
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
5587.9857	7296.7086	5495.6223	5726.5308	6234.5295	10159.974	5033.8053	6696.3465	9051.6132	5511.3201	5652.636
373997.9	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
12031.323	7135.451	11307.5705	11610.1585	11681.8265	9155.8975	11779.5305	12581.7015	12363.144	16192.4792	13737.678
0.01	0.04				0.01					
0.02875	0.027806	0.037525	0.044387	0.017729	0.022225	0.027925	0.03855	0.023995	0.025918	0.025198
1072.26	1143.3	1154.97	1123.8	1155.15	1173.33	1096.5	1153.74	1194.63	1145.52	1029.39
2.91375	2.916581	2.887425	2.866836	2.946811	2.933325	2.916223	2.877157	2.928014	2.922244	2.924403
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1056
3	3	3	3	3	3	3	2.992518	3	3	3

4.211604	1.692875	2.957391	5.798597	4.076171	3.106873	0.42	0.56	0.14	7.851219	8.881877
0.004752	0.002533	0.004082	0.012175	0.00489	0.005968	0.000172	0.000227	0.000019	0.015192	0.025661
0.004619	0.002505	0.003945	0.011877	0.004816	0.005715	0.00017	0.00022	0.000019	0.01476	0.025181
	104.588341	535.507982	7824.22452	2977.37547	523.714616		58.288216		1738.22138	2257.97917

	0.541885	1.692931	23.566636	9.418611	1.910695		0.185527		5.521352	7.441588
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
0.036263	0.027334	0.028	0.028022	0.030344	0.03265	0.024986	0.030675	0.029767	0.03542	0.026988
1197.8	691.9	1118.1	3312	1333.6	1621.5	44.8	61.6	5.6	4062.5	6278
6224.4113	3223.76439	5848.99617	17731.5697	7147.93153	7806.90112	205.755615	273.676095	32.181137	17445.517	29336.7147
1.564106	0.580172	1.086571	2.139915	1.512519	1.101749	0.135625	0.202426	0.057466	2.512311	3.117705
	22.402091	101.259559	1465.14921	550.019173	101.567753		11.2		388.650557	437.799561
17724.8	19080.9	19410.9	19101.9	19069.6	19225.5	18387.1	19447.1	19717	18925.7	17177.2
48.165217	48.675765	48.52725	48.729336	48.646938	48.06375	48.901861	48.496508	48.32598	48.279846	48.798863
18400	19600	20000	19600	19600	20000	18800	20000	20400	19600	17600
50	50	50	50	50	50	50	49.875311	50	50	50
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
27.529234	13.109417	22.994029	52.895112	29.475686	27.274325	1.89875	2.833966	0.804528	41.361572	65.133992
22.139286	8.193499	15.630616	30.400428	21.269754	15.770749	1.89875	2.833966	0.804528	35.739271	44.597524
6259.5413	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6968.9486	3685.26204	6664.01967	21099.9088	8095.52284	9007.5515	211.806984	283.114527	33.885715	19410.7677	34698.5879
709.40732	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
6968.9486	3685.26204	6664.01967	21099.9088	8095.52284	9007.5515	211.806984	283.114527	33.885715	19410.7677	34698.5879
144.64	203.14	230.84	332.15	282.55	210.97	159.81	116.74	113.08	250.3	274.4
6259.5413	3121.15605	5345.43718	9956.99213	4175.83606	7365.3025	205.755615	215.387879	32.181137	15900.6156	27218.6256
6968.9486	3531.67703	6041.9117	11735.6507	4678.04297	8405.16091	211.806984	223.316221	33.885715	17525.3062	32181.3298
6.3	2.699979	4.181821	7.293946	5.188106	4.940299	1.2	1.2	0.4	10.872205	13.333815
85	47.499876	71.710031	129.132616	55.370059	107.130874	3.2	3.6	0.4	261.560674	412.05159
	80.687547	74.198934	80.389438	78.852923	77.994788		75.170544		64.460025	73.517521
	0.806875	6.628152	28.125534	16.559113	7.48895		0.751705		19.114764	22.055256
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
0.230978	0.125255	0.19725	0.593877	0.240816	0.28575	0.00851	0.010972	0.00098	0.73801	1.25909
709.40732	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
709.40732	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
	1.600123	7.189968	103.667383	39.02994	7.169125		0.8		27.739325	31.148409
	104.588341	535.507982	7824.22452	2977.37547	523.714616		58.288216		1738.22138	2257.97917
1.38	0.71	1.12	2.42	1.01	1.62	0.08	0.07	0.01	3.84	5.99
-709.40732	-459.51765	-783.0745	-3318.6922	-942.31131	-1118.5344	-6.051369	-9.438432	-1.704577	-1771.9307	-5221.9831
-7678.3559	-3991.1947	-6824.9862	-15054.343	-5620.3543	-9523.6953	-217.85835	-232.75465	-35.590293	-19297.237	-37403.313
		0.06	0.99	0.42	0.1		0.02		0.25	0.31

523.2662	293.5602	619.3183	2327.3324	811.0144	835.1443	18.3627	28.9539	3.3541	2297.4328	3737.467
0.06		0.04	0.05		0.11				0.33	0.18
31.698		26.009	26.415		72.744				187.785	106.95
6259.5413	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6259.5413	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6224.4113	3223.76439	5848.99617	17731.5697	7147.93153	7806.90112	205.755615	273.676095	32.181137	17445.517	29336.7147
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
31.698		26.009	26.415		72.744				187.785	106.95
6259.5413	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
3.432	1.98	5.94	23.232	5.28	9.372				5.535	32.94
									0.13	0.05

0.01932	0.03625	0.029975	0.043928	0.030255	0.0264	0.022446	0.02725	0.040833	0.039846	0.029488

1443.56	1511.16	1552.04	1499.12	1520.56	1557.76	1470.24	1556.4	1565.36	1505.52	1366.48
3.922717	3.855	3.8801	3.824285	3.878979	3.8944	3.910212	3.881296	3.836666	3.840612	3.882045
1472	1568	1600	1568	1568	1600	1504	1600	1632	1568	1408
4	4	4	4	4	4	4	3.990024	4	4	4

10.463026	10.706095	10.695544	10.586839	10.620319	10.709983	10.584955	10.562274	10.508965	10.223994	10.274303
0.478857	0.34349	0.346163	0.38049	0.379667	0.3496	0.402801	0.428251	0.46938	0.711933	0.652322
0.45296	0.245341	0.328856	0.358765	0.356469	0.329315	0.379689	0.407423	0.445939	0.67987	0.617979
293475.04	191891.786	268663.074	287319.754	285286.623	262809.64	277232.544	328387.937	364633.778	530384.674	434562.398
1354.8385	892.950636	1145.20252	1004.58712	1053.7977	1217.52122	1267.0223	1304.80352	1227.6566	1789.34821	1537.13086
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
0.05576	0.063545	0.0528	0.057525	0.063571	0.060299	0.061462	0.050275	0.051372	0.048316	0.055369
101039.71	59727.2134	81901.7395	86843.1566	86287.2839	81974.2481	87566.4313	99729.9908	110474.788	157674.698	129408.567
136703.13	80862.8535	111702.689	118443.457	117542.348	110244.976	119389.171	135899.914	149742.682	220865.534	180772.469
3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.3047	3.3047
190833.71	112806.788	154687.815	164020.67	162970.793	154824.762	165386.719	188360.034	208653.732	300322.997	246484.497

20307.244	16313.654	22202.368	21649.77	21510.888	22026.568	20679.354	22261.554	22680.544	21861.316	19485.086
55.182728	41.616464	55.505919	55.229005	54.874714	55.066419	54.998281	55.515097	55.589568	55.768663	55.355357
21564.8	22971.2	23440	22971.2	22971.2	23440	22033.6	23440	23908.8	22971.2	20627.2
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.6
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
38.424816	44.052727	40.162408	39.074838	39.822828	39.75834	40.112902	38.41975	38.710864	36.921617	37.343702
34.471094	35.261104	35.216058	34.866349	34.973384	35.280343	34.859136	34.785899	34.624355	34.386819	34.554219
361791.09	238265	302362.502	318541.025	316558.927	298324.666	322811.781	357128.622	398205.905	560261.007	461188.353
369678.13	172979.085	245801.808	290303.313	276639.73	236611.244	272775.931	321522.413	367801.728	775094.588	592278.915
7887.0459	-65285.915	-56560.694	-28237.712	-39919.197	-61713.422	-50035.85	-35606.209	-30404.177	214833.581	131090.563
369678.13	172979.085	245801.808	290303.313	276639.73	236611.244	272775.931	321522.413	367801.728	775094.588	592278.915
346.42	278.39	378.88	369.45	367.08	375.88	352.89	379.89	387.04	373.06	332.51
39824.918	5102.97519	2275.3877	6.72511	57.7585	6814.40362	12479.2477	1506.51691	53.151043	174.325933	342.884035
51652.143	5910.9671	2350.10432	6.39951	55.293176	7531.16055	14498.2755	1696.24708	56.41101	225.966199	487.691991
19.759764	11.628667	8.359705	0.175849	1.187754	12.050244	14.137648	6.547788	0.543109	2.97993	3.906519
1197.8102	153.909864	65.796313	0.175849	1.577274	204.215165	371.059712	44.914403	1.597663	4.712399	9.744579
29.834748	27.068319	26.614339	26.039285	26.307436	25.086215	28.507771	28.319578	29.791656	40.755709	37.538008
28.358946	23.481465	23.128582	23.174964	23.138942	23.133987	27.184074	26.48155	26.46833	37.032468	34.111922
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
26.543461	14.37703	19.271005	21.023658	20.889137	19.2979	22.249829	23.815486	26.132083	39.840433	36.213619
-44926.412	-96505.33	-99370.733	-73630.63	-85021.56	-104561.36	-95806.824	-87735.075	-88149.348	132417.017	63448.7048
-44926.412	-96505.33	-99370.733	-73630.63	-85021.56	-104561.36	-95806.824	-87735.075	-88149.348	132417.017	63448.7048
8570.1838	5481.88614	7642.60569	8241.09815	8186.96473	7514.94483	7994.87629	9505.0956	10660.2923	15612.7376	12737.4494
293475.04	191891.786	268663.074	287319.754	285286.623	262809.64	277232.544	328387.937	364633.778	530384.674	434562.398
0.91	0.02	0.03			0.1	0.28	0.07		0.13	0.13
-7887.0459	65285.9153	56560.6941	28237.7124	39919.197	61713.4223	50035.8502	35606.2087	30404.1766	-214833.58	-131090.56
-59539.189	59374.9482	54210.5898	28231.3129	39863.9038	54182.2617	35537.5747	33909.9616	30347.7656	-215059.55	-131578.25
16.56	13.07	21.27	22.04	23.7	22.05	17.43	20.8	20.97	18.5	17.01
0.002717	0.242346									
67134.214	51910.8702	78885.1003	92493.4561	88263.7743	72695.4036	68794.5129	86317.4423	102727.976	100279.18	85666.6581
1.36	1.97	1.5	1.49	1.49	1.37	1.58	1.3	1.6	1.39	1.23
28491.13	41270.2392	31424.04	31214.5464	31214.5464	28700.6232	33099.9888	27234.168	33518.976	29702.0065	26283.0705
414604.54	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
414604.54	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
327536.84	193669.641	266390.505	282464.127	280513.141	265069.739	284775.89	324259.948	358396.414	521188.53	427256.966

9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
28491.13	41270.2392	31424.04	31214.5464	31214.5464	28700.6232	33099.9888	27234.168	33518.976	29702.0065	26283.0705
414604.54	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
5763.1165	3325.11964	4547.95718	4862.35166	4831.23978	4554.3044	4935.90224	5634.5059	6290.5151	9370.47	7648.3164
3.28	0.95	0.49	0.02	0.1	0.99	1.41	0.52	0.07	0.23	0.29
1.65	1.5	2.1	5.25	2.7	3		0.15		4.95	7.2
0.002521	0.001639	0.003058	0.009838	0.003263	0.004479		0.00005		0.00925	0.01943
0.002445	0.001607	0.00295	0.009693	0.003086	0.004125		0.00005		0.009005	0.018721
	28.695326	57.562424	1170.12602	371.061482	96.192648				122.731123	259.89483
	0.148693	0.181194	3.480906	1.175172	0.325781				0.394347	0.858349
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26
0.030679	0.038698	0.027925	0.028801	0.030841	0.038175	0.027632	0.0276	0.019975	0.020178	0.03017
189	132.3	247.8	798	254.1	346.5		4.2		741.3	1383.9
996.4317	616.444737	1305.26607	4298.99702	1367.46266	1654.24345		16.249538		3015.79904	6238.71619
0.587967	0.485589	0.718361	1.84043	0.942796	0.991667		0.038689		1.397396	2.289158
	6.146347	10.728068	216.446341	68.992227	18.9				28.371179	52.5
4993.94	5275.62	5443.62	5329.94	5318.74	5386.22	5118.54	5445.44	5597.9	5377.26	4779.32
13.570489	13.458214	13.60905	13.596785	13.568214	13.46555	13.613138	13.57965	13.720343	13.7175	13.577613
5152	5488	5600	5488	5488	5600	5264	5600	5712	5488	4928
14	14	14	14	14	14	14	13.965087	14	14	14
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26
8.969508	7.283842	10.775425	27.713596	14.141949	15.14397		0.58034		22.354204	35.79298
8.969508	7.283842	10.775425	27.713596	14.141949	15.14397		0.58034		22.354204	35.79298
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345		16.249538		3152.29904	6385.71619
1107.9146	706.557771	1482.59503	5061.03491	1547.97664	1871.27965		16.830037		3351.86783	7376.25652
100.98286	90.113033	177.328961	751.53789	180.513984	175.036197		0.580498		199.568795	990.540335
1107.9146	706.557771	1482.59503	5061.03491	1547.97664	1871.27965		16.830037		3351.86783	7376.25652
71.97	115.89	130.85	186.07	147.53	105.04	88.62	61.88	66.98	123.67	139.93
1006.9317	587.749411	1247.70364	3139.37099	996.401176	1600.0508		16.249538		3029.56791	6125.82136
1107.9146	667.082806	1417.4604	3667.50231	1123.8365	1761.16497		16.830037		3218.3091	7089.14441
1.54	1.33256	1.958732	4.379464	2.360537	2.8		0.14		4.462186	6.44
12.6	8.410243	15.804795	38.770243	12.340518	21.84		0.28		47.528588	88.76
	70.030188	85.454664	83.413626	86.789937	81.438754				68.19068	79.127624
	0.700301	1.709093	17.516861	7.811094	1.628775				4.09144	4.747657

12.6	8.82	16.52	53.2	16.94	23.1	0.28	49.42	92.26		
0.034239	0.0225	0.0413	0.135714	0.043214	0.05775	0.000698	0.126071	0.262102		
100.98286	90.113033	177.328961	751.53789	180.513984	175.036197	0.580498	199.568795	990.540335		
100.98286	90.113033	177.328961	751.53789	180.513984	175.036197	0.580498	199.568795	990.540335		
	0.409756	0.715204	14.429756	4.599481	1.26		1.891411	3.5		
	28.695326	57.562424	1170.12602	371.061482	96.192648		122.731123	259.89483		
0.68	0.48	0.7	1.64	0.62	1.02	0.02	2.92	4.01		
-100.98286	-90.113033	-177.32896	-751.53789	-180.51398	-175.0362	-0.580498	-199.5688	-990.54034		
-1208.8974	-757.19584	-1594.7894	-4419.0402	-1304.3505	-1936.2012	-17.410535	-3417.8779	-8079.6847		
		0.03	0.43	0.21	0.05		0.1	0.18		
206.4637	137.1573	309.6496	1236.1986	368.4007	405.8586	4.8056	1070.1815	1917.06		
0.01			0.01		0.04		0.13	0.14		
10.5			10.5		42		136.5	147		
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345	16.249538	3152.29904	6385.71619		
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345	16.249538	3152.29904	6385.71619		
996.4317	616.444737	1305.26607	4298.99702	1367.46266	1654.24345	16.249538	3015.79904	6238.71619		
12.6	8.82	16.52	53.2	16.94	23.1	0.28	49.42	92.26		
10.5			10.5		42		136.5	147		
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345	16.249538	3152.29904	6385.71619		
							0.07	0.03		
11.022148	11.25879	11.268686	11.170219	11.198417	11.253148	11.165795	11.136774	11.059313	10.743926	10.814143
0.340727	0.255309	0.273719	0.294691	0.288427	0.268452	0.299227	0.306286	0.32288	0.467195	0.435608
0.327142	0.226716	0.263751	0.28336	0.276878	0.252712	0.288429	0.294908	0.3073	0.451685	0.419527
1066099.7	1023471.7	1265194.2	1431978.14	1380882.1	1160725.9	1142256.21	1368451.63	1552484.76	2013746.75	1655781.06
4927.5961	4783.92364	5469.30054	5064.77133	5146.69734	5415.22131	5230.57136	5453.56121	5232.45394	6772.84253	5830.5118
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
0.035541	0.03563	0.034018	0.036785	0.03477	0.035859	0.031854	0.034972	0.03321	0.033418	0.033698
483548.7	365688.76	435033.948	454272.26	444364.381	415575.371	441991.33	479239.646	504887.434	691653.4	581287.955
688097.51	507029.62	611147.45	661488.304	627576.359	581039.821	603589.306	653352.175	684402.625	1049679.88	898589.402
3.068372	3.088228	3.044036	3.073238	3.0463	3.075768	3.024424	3.028371	3.042237	3.164343	3.177065
799627.97	624224.721	718300.791	741460.178	732350.155	697274.673	737234.749	801983.309	853945.995	1146395.92	953621.211
271.14674	298.786123	1272.85863	7636.99812	3748.43558	1054.54043	64.489842	107.882284	108.560742	6173.3533	4613.9533
129697.74	127730.504	141498.723	138340.94	138124.748	138166.488	132970.834	141301.719	142468.134	139041.951	124467.306
352.43952	325.843122	353.746807	352.910561	352.359051	345.41622	353.645835	352.373364	349.186602	354.698854	353.600301

135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	129219.2
367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
183.45403	151.447408	167.406903	225.627478	177.692595	175.082139	122.543863	122.016016	113.685522	214.311208	254.483204
35.291276	36.269569	35.73527	35.8094	35.541751	36.081833	35.143132	35.085053	35.007358	35.571448	35.940752
1596109.4	1237438.91	1431278.89	1511283.73	1464610.21	1381842.01	1441595.94	1556389.68	1651575.6	2345001.22	1978900.27
1596223	924199.727	1148925.98	1372984.17	1264759.22	1067255.42	1210803.54	1367006.4	1505617.92	3178774.33	2503215.88
113.54392	-313239.18	-282352.91	-138299.56	-199850.99	-314586.59	-230792.4	-189383.28	-145957.69	833773.114	524315.608
1596223	924199.727	1148925.98	1372984.17	1264759.22	1067255.42	1210803.54	1367006.4	1505617.92	3178774.33	2503215.88
1446.08	1354.38	1682.25	1869.05	1740.67	1521.54	1454.47	1428.76	1404.24	1757.94	1654.94
487714.05	157090.331	120668.356	32560.6686	37035.4043	172451.66	253549.596	145977.716	48210.3298	287184.754	284326.943
584160.53	172378.728	128983.756	38020.1202	41011.507	184118.41	274950.372	164360.707	52954.6061	377931.613	374642.203
19.029254	10.370142	9.862976	7.476541	7.110704	12.055065	14.975401	9.219512	4.893559	13.842003	16.082502
12958.691	4147.16621	3000.58936	617.427684	851.953332	4468.91306	6916.06966	3984.12686	1331.88391	6890.92471	6618.03792
30.418971	26.254099	30.36217	38.63384	33.35486	28.223435	27.619009	28.212084	29.641768	44.718872	43.504976
29.128428	25.434617	29.263003	38.616516	33.320554	26.818308	26.625671	27.964801	29.585343	44.592635	43.442973
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
120.09388	83.22776	96.82317	104.021489	101.641969	92.770755	105.882622	107.990887	112.810019	165.813617	154.008659
-248083.23	-502537.55	-506978.08	-369810.1	-428945.98	-528631.81	-461320.98	-439533.35	-409782.32	484242.867	232862.222
-248083.23	-502537.55	-506978.08	-369810.1	-428945.98	-528631.81	-461320.98	-439533.35	-409782.32	484242.867	232862.222
31235.855	28478.1158	35728.6786	40158.9963	38991.6987	32639.3889	32895.7963	39320.2191	44694.6041	58108.0133	47593.0101
1066099.7	1023471.7	1265194.2	1431978.14	1380882.1	1160725.9	1142256.21	1368451.63	1552484.76	2013746.75	1655781.06
44.63	12.28	13.18	9.21	7.55	13.69	14.76	14.43	5.93	95.38	68.74
-113.54392	313239.179	282352.914	138299.56	199850.988	314586.591	230792.4	189383.285	145957.686	-833773.11	-524315.61
-584274.07	140860.451	153369.158	100279.44	158839.481	130468.181	-44157.972	25022.5777	93003.0797	-1211704.7	-898957.81
190.53	304.35	324.3	371.43	365.78	305.46	255.47	314.63	362.34	234.34	219.81
0.000247	0.053571			0.000231	0.014318		0.000227	0.010472		
217068.15	181476.553	252522.795	300793.57	283875.069	218719.954	222246.051	270711.954	313316.908	329960.224	284302.81
3.92	4.46	3.8	4.04	3.96	4.95	3.53	3.67	4.47	4.7	4
42531.593	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
1844306.2	1426737.27	1655904.06	1742794.27	1693705.2	1595887.23	1672124.52	1806539.74	1915400.24	2694531.47	2270353.66
1844306.2	1426737.27	1655904.06	1742794.27	1693705.2	1595887.23	1672124.52	1806539.74	1915400.24	2694531.47	2270353.66
1487725.5	1131254.34	1329448.24	1402948.48	1359926.51	1278314.49	1340824.05	1455335.48	1538348.62	2196075.8	1852210.61
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
42531.593	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312

1844306.2	1426737.27	1655904.06	1742794.27	1693705.2	1595887.23	1672124.52	1806539.74	1915400.24	2694531.47	2270353.66
65852.358	49298.0023	56310.8206	61456.5496	57928.0291	54661.1519	54962.3751	59064.8048	62336.7786	104160.921	87381.6295
132.67	73.86	62.44	10.63	18.6	79.89	105.5	70.92	38.87	61.89	63.3
2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
190314.5	352450.391	470164.322	989481.072	881650.3	389265.147	293459.04	540835.967	931240.672	557129.505	490154.313
867.25812	1637.10889	1960.99386	3503.54524	3265.56048	1743.66982	1316.33333	2140.87992	3125.28464	1853.94937	1699.66134
-79364.326	-83718.045	-91730.787	-108790.28	-104196.77	-85667.166	-82021.749	-100009.05	-120495.45	-116144.81	-99874.386
79364.326	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
190314.5	352450.391	470164.322	989481.072	881650.3	389265.147	293459.04	540835.967	931240.672	557129.505	490154.313
189.03	304.12	322.49	371.59	365.27	304.59	254	313.37	362.2	232.59	218.53
128.6764	150.288544	187.585537	239.677439	224.248041	182.982861	149.11947	180.508201	223.222433	191.820186	195.845398
47.722026	58.656719	66.305278	110.406386	102.067848	64.657036	55.563753	74.650217	102.922171	69.284876	77.414166
9386.1352	18068.6102	21751.2456	41257.6039	37600.0748	20076.158	14421.4188	23962.7716	38028.8157	18241.8561	18198.439
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-215.66393	-213.56644	-229.32697	-277.52622	-265.80808	-214.16792	-218.14295	-249.39913	-295.33199	-296.28777	-283.73405
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-29.820983	-23.633969	-25.370818	-28.044747	-27.14338	-23.864065	-26.070619	-27.516392	-28.747406	-43.809487	-39.797631
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2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2555295.6	2330822.18	2798573.35	4043993.12	3710396.76	2430862.69	2432235.95	3294259.45	4394664.3	5650549.66	4467488.53
79364.326	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
190314.5	352450.391	470164.322	989481.072	881650.3	389265.147	293459.04	540835.967	931240.672	557129.505	490154.313
867.25812	1637.10889	1960.99386	3503.54524	3265.56048	1743.66982	1316.33333	2140.87992	3125.28464	1853.94937	1699.66134
-79364.326	-83718.045	-91730.787	-108790.28	-104196.77	-85667.166	-82021.749	-100009.05	-120495.45	-116144.81	-99874.386
79364.326	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
190314.5	352450.391	470164.322	989481.072	881650.3	389265.147	293459.04	540835.967	931240.672	557129.505	490154.313
189.03	304.12	322.49	371.59	365.27	304.59	254	313.37	362.2	232.59	218.53
128.6764	150.288544	187.585537	239.677439	224.248041	182.982861	149.11947	180.508201	223.222433	191.820186	195.845398

47.722026	58.656719	66.305278	110.406386	102.067848	64.657036	55.563753	74.650217	102.922171	69.284876	77.414166
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2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2555295.6	2330822.18	2798573.35	4043993.12	3710396.76	2430862.69	2432235.95	3294259.45	4394664.3	5650549.66	4467488.53
79364.326	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
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2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22

4213.9333	4349.23539	3966.8725	3069.58721	3288.21981	4016.49861	4428.70432	4542.98148	4582.49819	4995.635	4097.67681
127956.46	102104.36	96415.6239	79020.5567	83000.9106	91728.8394	116003.388	124471.697	129896.171	217341.775	162970.264

21.469593	23.504885	21.892746	27.190533	24.549755	24.311772	30.233055	36.676013	21.840606	49.270503	39.450786
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4213.9333	4349.23539	3966.8725	3069.58721	3288.21981	4016.49861	4428.70432	4542.98148	4582.49819	4995.635	4097.67681
11.450905	11.094988	9.917181	7.830579	8.388315	10.041246	11.778468	11.32913	11.231613	12.743966	11.641127
127956.46	102104.36	96415.6239	79020.5567	83000.9106	91728.8394	116003.388	124471.697	129896.171	217341.775	162970.264
127956.46	102104.36	96415.6239	79020.5567	83000.9106	91728.8394	116003.388	124471.697	129896.171	217341.775	162970.264
4213.9333	4349.23539	3966.8725	3069.58721	3288.21981	4016.49861	4428.70432	4542.98148	4582.49819	4995.635	4097.67681

-127956.46	-102104.36	-96415.624	-79020.557	-83000.911	-91728.839	-116003.39	-124471.7	-129896.17	-217341.77	-162970.26
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78113.086	82187.4475	89258.7453	108790.28	104196.769	82485.4	82021.7486	100009.05	117319.182	116144.806	97619.9916
4213.9333	4349.23539	3966.8725	3069.58721	3288.21981	4016.49861	4428.70432	4542.98148	4582.49819	4995.635	4097.67681
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127956.46	102104.36	96415.6239	79020.5567	83000.9106	91728.8394	116003.388	124471.697	129896.171	217341.775	162970.264
401441.94	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	380190.127	398523.981	367927.948
1871.4821	1841.86496	1454.75147	925.356798	942.521975	1521.79206	1546.51215	1475.23054	1296.10085	1351.81461	1303.51802
8460.3148	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
250361.35	192763.803	167128.16	142872.828	137437.229	157044.944	182593.74	210227.329	228251.509	371657.013	295655.178
8460.3148	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
22.989985	21.052443	17.152359	13.581835	13.288088	16.850392	18.766055	19.262993	19.686578	21.870041	21.206124
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8460.3148	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8011.99254	8095.60168	7464.55566
401441.94	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	380190.127	398523.981	367927.948
151080.59	198820.06	158423.633	109754.751	109726.524	162775.499	152215.212	156298.321	152909.813	50030.4199	72272.7701
151080.59	198820.06	158423.633	109754.751	109726.524	162775.499	152215.212	156298.321	152909.813	50030.4199	72272.7701
79364.326	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
401441.94	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
401441.94	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
8460.3148	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
401441.94	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
401441.94	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
8460.3148	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
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401441.94	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
383747.33	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	363794.28	379725.948	350459.299
1788.8832	1761.50535	1394.14817	884.077397	900.861011	1456.91573	1481.23635	1411.40224	1240.29119	1288.06754	1241.60784
9498.6963	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
281119.09	216546.352	187973.3	160410.915	154321.901	176568.153	205365.685	236216.79	256500.833	417625.859	332167.078

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25.811674	23.647785	19.30304	15.241613	14.917531	18.946373	21.107866	21.645189	22.125452	24.575746	23.824431
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9498.6963	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9004.50215	9097.14691	8386.20002
383747.33	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	363794.28	379725.948	350459.299
102628.24	157958.903	123963.84	80967.4731	81924.055	129605.24	115271.244	114443.933	108228.962	-15779.65	18292.2205
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79364.326	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
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9498.6963	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
383747.33	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
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383747.33	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
4159.5165	4251.23013	4057.5357	3067.06219	3381.7534	3999.70585	4319.84962	4404.34008	4495.56966	4950.71788	3989.82092
126144.64	99794.5017	98330.9382	79173.7779	85137.5947	91092.8595	113241.709	120848.031	127315.656	215279.822	158447.16

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126144.64	99794.5017	98330.9382	79173.7779	85137.5947	91092.8595	113241.709	120848.031	127315.656	215279.822	158447.16
126144.64	99794.5017	98330.9382	79173.7779	85137.5947	91092.8595	113241.709	120848.031	127315.656	215279.822	158447.16
4159.5165	4251.23013	4057.5357	3067.06219	3381.7534	3999.70585	4319.84962	4404.34008	4495.56966	4950.71788	3989.82092
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4159.5165	4251.23013	4057.5357	3067.06219	3381.7534	3999.70585	4319.84962	4404.34008	4495.56966	4950.71788	3989.82092
126144.64	99794.5017	98330.9382	79173.7779	85137.5947	91092.8595	113241.709	120848.031	127315.656	215279.822	158447.16
126144.64	99794.5017	98330.9382	79173.7779	85137.5947	91092.8595	113241.709	120848.031	127315.656	215279.822	158447.16
4011.1072	4169.21333	3740.96656	2861.49931	2936.43304	3785.65807	4243.7746	4421.89621	4204.97472	4690.2672	3862.7018
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4011.1072	4169.21333	3740.96656	2861.49931	2936.43304	3785.65807	4243.7746	4421.89621	4204.97472	4690.2672	3862.7018
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4011.1072	4169.21333	3740.96656	2861.49931	2936.43304	3785.65807	4243.7746	4421.89621	4204.97472	4690.2672	3862.7018
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206058.34	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
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4022.2202	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
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4022.2202	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
206058.34	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
88643.17	91455.5477	110695.51	97911.417	95694.3102	87430.58	63682.3201	70442.8263	83120.5749	28574.8211	41529.5347
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4022.2202	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
206058.34	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
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4022.2202	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
117415.17	74731.9242	98008.0071	106260.673	100482.931	73708.3002	63237.2572	78970.0669	101878.713	156004.663	135644.725
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206058.34	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259

381503.63	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	336604.425	389452.706	252286.247
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4376.5474	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
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4376.5474	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3861.34284	4362.61097	2823.57299
381503.63	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	336604.425	389452.706	252286.247
253499.73	233815.877	244172.894	190472.945	191936.987	236626.715	261143.257	243375.553	229795.039	217185.17	141753.954
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79364.326	83644.0373	91555.8138	108790.28	104196.769	85363.6254	82021.7486	99941.8711	120495.451	116144.806	99874.3856
381503.63	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
381503.63	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
4376.5474	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
381503.63	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
381503.63	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247

4376.5474	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
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381503.63	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1265588.12	1352282.12	1147847.75
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38742.336	37171.3192	34250.8625	27373.6797	27604.9954	32951.6195	34704.5335	36726.0592	37827.5588	41076.068	34082.9365
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38742.336	37171.3192	34250.8625	27373.6797	27604.9954	32951.6195	34704.5335	36726.0592	37772.0315	39794.9366	34082.9365
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1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
38742.336	37171.3192	34250.8625	27373.6797	27604.9954	32951.6195	34704.5335	36726.0592	37827.5588	41076.068	34082.9365
1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
38742.336	37171.3192	34250.8625	27373.6797	27604.9954	32951.6195	34704.5335	36726.0592	37827.5588	41076.068	34082.9365
1152774.9	867643.801	829333.637	721335.765	714646.319	761818.993	900479.916	1000447.49	1071794.28	1779251.36	1349015.66
-219976.35	-381513.37	-350674.05	-246314.21	-236269.76	-346591.84	-251674.98	-217982.83	-196825.3	358053.116	201167.907
1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75

11.022148	11.25879	11.268686	11.170219	11.198417	11.253148	11.165795	11.136774	11.059313	10.743926	10.814143
0.340727	0.255309	0.273719	0.294691	0.288427	0.268452	0.299227	0.306286	0.32288	0.467195	0.435608
0.327142	0.226716	0.263751	0.28336	0.276878	0.252712	0.288429	0.294908	0.3073	0.451685	0.419527
2364981.1	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2629165.4	2625079.26	2915366.21	3389109.18	3213448.48	2658401.88	2587870.14	3127717.92	3749313.55	3923158.37	3293783.13
12202.815	12300.1357	12715.8471	12118.7862	12041.0933	12439.6496	11882.7219	12502.9711	12680.8246	13223.5432	11602.7722
3572.5554	-13921.444	-18750.656	-40640.176	-36748.121	-15607.245	-7505.3491	-19978.645	-36641.405	-10069.8	-11580.401
3736227.7	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
0.035541	0.03563	0.034018	0.036785	0.03477	0.035859	0.031854	0.034972	0.03321	0.033418	0.033698
483548.7	365688.76	435033.948	454272.26	444364.381	415575.371	441991.33	479239.646	504887.434	691653.4	581287.955
688097.51	507029.62	611147.45	661488.304	627576.359	581039.821	603589.306	653352.175	684402.625	1049679.88	898589.402
3.068372	3.088228	3.044036	3.073238	3.0463	3.075768	3.024424	3.028371	3.042237	3.164343	3.177065
799627.97	624224.721	718300.791	741460.178	732350.155	697274.673	737234.749	801983.309	853945.995	1146395.92	953621.211
271.14674	298.786123	1272.85863	7636.99812	3748.43558	1054.54043	64.489842	107.882284	108.560742	6173.3533	4613.9533
129697.74	127730.504	141498.723	138340.94	138124.748	138166.488	132970.834	141301.719	142468.134	139041.951	124467.306
352.43952	325.843122	353.746807	352.910561	352.359051	345.41622	353.645835	352.373364	349.186602	354.698854	353.600301
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	129219.2
367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
183.45403	151.447408	167.406903	225.627478	177.692595	175.082139	122.543863	122.016016	113.685522	214.311208	254.483204
35.291276	36.269569	35.73527	35.8094	35.541751	36.081833	35.143132	35.085053	35.007358	35.571448	35.940752
1596109.4	1237438.91	1431278.89	1511283.73	1464610.21	1381842.01	1441595.94	1556389.68	1651575.6	2345001.22	1978900.27
1596223	924199.727	1148925.98	1372984.17	1264759.22	1067255.42	1210803.54	1367006.4	1505617.92	3178774.33	2503215.88
79364.326	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
113.54392	-313239.18	-282352.91	-138299.56	-199850.99	-314586.59	-230792.4	-189383.28	-145957.69	833773.114	524315.608
2748997.9	1791843.53	1978259.61	2094319.94	1979405.54	1829074.41	2111283.45	2367453.89	2577412.2	4958025.69	3852231.54
1446.08	1354.38	1682.25	1869.05	1740.67	1521.54	1454.47	1428.76	1404.24	1757.94	1654.94
487714.05	157090.331	120668.356	32560.6686	37035.4043	172451.66	253549.596	145977.716	48210.3298	287184.754	284326.943
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
190314.5	352450.391	470164.322	989481.072	881650.3	389265.147	293459.04	540835.967	931240.672	557129.505	490154.313
189.03	304.12	322.49	371.59	365.27	304.59	254	313.37	362.2	232.59	218.53
128.6764	150.288544	187.585537	239.677439	224.248041	182.982861	149.11947	180.508201	223.222433	191.820186	195.845398

3.181468	3.910447	4.420351	7.360425	6.804523	4.310469	4.274134	5.332158	7.91709	4.618991	5.160944
9,386	18,069	21,751	41,258	37,600	20,076	14,421	23,963	38,029	18,242	18,198
584160.53	172378.728	128983.756	38020.1202	41011.507	184118.41	274950.372	164360.707	52954.6061	377931.613	374642.203
8.880318	4.839399	4.602722	3.489052	3.318328	5.625697	5.759769	3.951219	1.882138	6.459601	7.505167
12,959	4,147	3,001	617	852	4,469	6,916	3,984	1,332	6,891	6,618
30.319631	26.01651	30.299424	38.51389	33.33953	28.077792	27.625731	28.23205	29.522877	44.692276	43.504141
29.035397	25.235763	29.201926	38.496692	33.305256	26.722324	26.635831	27.984954	29.468427	44.5677	43.44218
3572.5554	-13921.444	-18750.656	-40640.176	-36748.121	-15607.245	-7505.3491	-19978.645	-36641.405	-10069.8	-11580.401
9.708031	-35.513887	-46.87664	-103.67392	-93.745207	-39.018112	-19.961034	-49.822056	-89.807364	-25.688265	-32.898866
-6569268.3	-6842317.4	-7247178.2	-7650531.1	-7473856.9	-6977938.2	-6669222.9	-7472056.7	-8212573.7	-8310616.8	-7188562.8
-82.792385	-81.736765	-79.04235	-70.363798	-71.766063	-81.513205	-81.324714	-74.721672	-68.179663	-71.557764	-71.986399
-6569268.3	-6842317.4	-7247178.2	-7650531.1	-7473856.9	-6977938.2	-6669222.9	-7472056.7	-8212573.7	-8310616.8	-7188562.8
69978.191	65649.435	69979.5411	67532.676	66596.694	65591.0084	67600.3298	76046.2784	82466.6356	97902.9499	81675.9466
2438850.9	2272628.87	2445201.89	2399628.11	2331798.18	2269136.73	2294411.1	2586881.95	2818072.87	3366028.87	2803628.82
6321071.6	6653019.05	7022553.04	7419020.53	7244761.93	6763893.02	6438694.32	7221906.66	7948749.07	7961086.54	6897109.38
5927225.5	6833090.72	7363733.61	8370481.49	8085400.72	6969039.76	6457202.99	7598381.92	8827035.13	8140284.43	7012621.49
0.000247	0.053571			0.000231	0.014318		0.000227	0.010472		
848432.87	847900.114	976755.444	1171115.81	1117449.22	893197.021	878420.04	1070717.17	1266616.8	1259118.67	1078785.21
3.92	4.46	3.8	4.04	3.96	4.95	3.53	3.67	4.47	4.7	4
42531.593	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
9318266.2	8634160.95	9225437.83	9744851.01	9453262.45	8807012.66	8780506.35	9839510.61	10789985.9	13268642.5	11040794.3
5582038.5	4654266.23	5164320.77	5764956.29	5473367.74	4745895.6	4963056.32	5778393.55	6647443.45	9209149.86	7395535.63
1487725.5	1131254.34	1329448.24	1402948.48	1359926.51	1278314.49	1340824.05	1455335.48	1538348.62	2196075.8	1852210.61
82936.882	69796.6012	72980.1305	68150.1037	67448.6474	70059.9215	74516.3995	80030.4052	83854.0468	106075.006	88293.9845
42531.593	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
5582038.5	4654266.23	5164320.77	5764956.29	5473367.74	4745895.6	4963056.32	5778393.55	6647443.45	9209149.86	7395535.63
65852.358	49298.0023	56310.8206	61456.5496	57928.0291	54661.1519	54962.3751	59064.8048	62336.7786	104160.921	87381.6295
1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
38742.336	37171.3192	34250.8625	27373.6797	27604.9954	32951.6195	34704.5335	36726.0592	37827.5588	41076.068	34082.9365
1152774.9	867643.801	829333.637	721335.765	714646.319	761818.993	900479.916	1000447.49	1071794.28	1779251.36	1349015.66
-219976.35	-381513.37	-350674.05	-246314.21	-236269.76	-346591.84	-251674.98	-217982.83	-196825.3	358053.116	201167.907
1372751.2	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75

2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
-4225186.2	-3810952.2	-4225186.2	-3976645.8	-4059492.6	-4225186.2	-3976645.8	-3893799	-4308033	-4059670.8	-4297883.9
-4225186.2	-3810952.2	-4225186.2	-3976645.8	-4059492.6	-4225186.2	-3976645.8	-3893799	-4308033	-4059670.8	-4297883.9
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89

32.326503	30.52651	24.136495	25.196456	27.896449	27.326501	24.056575	26.676516	28.066528	29.296468	45.576331
25.732935	25.732953	25.732935	25.732953	25.732917	25.73288	25.732898	25.733045	25.732917	25.733045	26.247649
32.201986	30.40199	24.011981	25.071958	27.771954	27.201985	23.932029	26.551994	27.942001	29.171965	45.451884
32.297768	30.497774	24.107761	25.167726	27.867719	27.297766	24.027833	26.64778	28.037791	29.267737	45.547612
31.579401	29.779391	23.389413	24.449469	27.149479	26.579404	23.309298	25.929382	27.319365	28.549451	44.829648
31.85717	30.057166	23.667174	24.727195	27.427198	26.857171	23.587131	26.207163	27.597156	28.827188	45.107261
$ 32.28	$ 30.48	$ 24.09	$ 25.15	$ 27.85	$ 27.28	$ 24.01	$ 26.63	$ 28.02	$ 29.25	$ 45.53
$ 32.32	$ 30.52	$ 24.13	$ 25.19	$ 27.89	$ 27.32	$ 24.05	$ 26.67	$ 28.06	$ 29.29	$ 45.57

23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	24.184756
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.44
32.02	30.22	23.83	24.89	27.59	27.02	23.75	26.37	27.76	28.99	45.27
5.937984	5.370316	5.066225	5.081491	5.123318	5.106054	5.099437	5.165698	6.01133	6.707851	6.881099
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
0.028921	0.032472	0.029485	0.025937	0.029107	0.030784	0.035104	0.025638	0.032548	0.036607	0.032058
8914.5	8011.125	8909.325	8415.9	8563.275	8897.4	8336.7	8243.1	9055.35	8497.125	8885.7
21.902948	21.769361	21.83658	21.916406	21.845089	21.807352	21.710156	21.923138	21.715467	21.676339	21.778676
9180	8280	9180	8640	8820	9180	8640	8460	9360	8820	9180
22.555282	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.446043	22.5	22.5

4.12	3.84	4.4		6.82	4.08	13.81	0.8		5.44	7.72

6.40492	6.31073	2.91989	4.05017	6.40492	4.52112	4.05017	1.50704	1.8838	0.9419	7.535199
0.019938	0.032831	0.012905	0.022518	0.038065	0.02445	0.019964	0.003661	0.002665	0.00101	0.090513
0.019362	0.031875	0.012573	0.021848	0.036862	0.023725	0.019192	0.003537	0.00262	0.000943	0.08875
3944.24358	9285.81398	2452.62873	8481.77257	40392.8094	26092.7226	4736.38525	425.295555	965.556426	966.026912	46993.7421
14.291873	40.295943	10.638305	28.701508	122.561412	81.548717	17.870675	1.752663	3.488201	2.916638	149.541574
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18

0.029754	0.03663	0.026985	0.027291	0.034795	0.031225	0.028697	0.028882	0.032427	0.028596	0.021544
4315.7858	6408.12246	2802.52926	4583.47378	7894.0639	5288.20336	4026.24574	726.58166	595.46918	202.13174	19781.5954
23039.7412	34451.136	14098.9714	24420.1197	41946.4831	28308.6716	20823.4316	3850.17089	3438.29122	1249.33591	103094.485
3.643512	3.593838	1.569881	2.266473	3.559944	2.488618	2.213599	0.834086	1.193167	0.635239	4.258866
591.920125	1461.90108	401.704258	1340.39765	6384.07749	4098.55551	772.372024	74.06765	138.021977	132.227544	7577.42504
22959.88	20562.16	23025.42	21664.16	21944.88	22925.08	21632.84	21178.12	23345.58	22085.82	23154.18
56.412481	55.875434	56.434852	56.417083	55.981836	56.188921	56.33552	56.324787	55.984604	56.341377	56.750441
23664	21344	23664	22272	22736	23664	22272	21808	24128	22736	23664
58.142506	58	58	58	58	58	58	58	57.860911	58	58
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
41.24114	40.403914	17.742042	25.481561	40.072382	28.056376	25.104941	9.475129	13.175615	6.965879	48.111809
41.24114	40.403914	17.742042	25.481561	40.072382	28.056376	25.104941	9.475129	13.175615	6.965879	48.111809
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
31004.1914	47590.8469	19523.0139	35230.6114	62635.0529	40203.8795	30576.7806	4915.00756	4419.91232	1567.57164	141509.993
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
31004.1914	47590.8469	19523.0139	35230.6114	62635.0529	40203.8795	30576.7806	4915.00756	4419.91232	1567.57164	141509.993
183.81	169.33	101.28	155.36	238.33	199.8	118.95	132.42	108.39	90.72	243.8
23584.6381	31712.442	14478.8089	20576.6465	9527.61407	7588.69203	20192.7579	4176.23363	3083.08689	495.341993	76691.6075
26607.4874	36836.4544	16688.7022	24822.9719	11652.7038	8904.79539	24770.5901	4438.35571	3371.66778	538.174168	87006.921
35.611517	32.553829	16.043788	19.887025	16.710112	11.725035	21.325507	8.983666	9.820278	2.405586	35.57336
395.356797	525.132326	254.891708	344.312149	160.312815	126.302988	345.458511	69.276357	48.566429	7.421615	1295.69704
64.187132	61.683148	57.709409	61.326354	62.058892	61.216386	60.421724	53.719274	67.547931	71.045126	62.194634
32.07678	33.895898	13.263452	23.887733	41.553701	29.36543	18.635541	2.685963	9.45671	7.073096	49.060549
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
1.125798	1.84875	0.729264	1.267239	2.13801	1.376078	1.113177	0.205159	0.151606	0.054744	5.1475
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
62.843202	155.207673	42.648291	142.30785	677.787184	435.137011	82.001488	7.863642	14.65357	14.038384	804.482963
3944.24358	9285.81398	2452.62873	8481.77257	40392.8094	26092.7226	4736.38525	425.295555	965.556426	966.026912	46993.7421
5.63	8.42	3.82	4.96	3.71	3.22	4.49	1.18	0.85	0.26	22.08
-3475.3097	-6592.5909	-2591.5763	-6172.1924	-12714.629	-6522.4649	-5647.6375	-313.47837	-371.26901	-106.20273	-17824.643
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0.39	1.02	0.21	0.76	5.29	3.74	0.54	0.08	0.13	0.11	5.11
2079.1528	2675.6203	1174.0834	2303.2581	4717.3751	3063.1617	1791.844	303.5488	290.3601	122.1648	11152.5923
0.35	0.28	0.06	0.11	0.16	0.17	0.16	0.05	0.03	0.02	0.81

172.8965	138.3172	29.6394	54.3389	79.0384	83.9783	79.0384	24.6995	14.8197	9.8798	408.1347
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
23039.7412	34451.136	14098.9714	24420.1197	41946.4831	28308.6716	20823.4316	3850.17089	3438.29122	1249.33591	103094.485
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
172.8965	138.3172	29.6394	54.3389	79.0384	83.9783	79.0384	24.6995	14.8197	9.8798	408.1347
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
4316.244	6408.8028	2802.8268	4583.9604	7894.902	5288.7648	4026.6732	726.6588	595.5324	202.1532	20182.7298
0.63							0.04			0.96
10.982326	11.040898	11.244315	11.268252	11.172384	11.215331	11.229086	11.202616	11.170662	11.110645	10.773589
0.616652	0.565113	0.497707	0.48342	0.518972	0.505445	0.505434	0.51375	0.523321	0.561792	0.803665
0.594709	0.271643	0.480964	0.465442	0.502155	0.487417	0.48571	0.49682	0.501294	0.542864	0.777762
767636.088	246816.848	700729.39	681851.533	832267.845	833579.217	634223.704	586716.752	762967.123	861389.216	1146353.21
3048.3641	1101.28354	3217.96159	2933.85826	2930.80807	3057.11392	2906.80164	2637.57767	2977.25053	2863.54384	3794.92293
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
0.036274	0.041494	0.033406	0.038489	0.033469	0.035931	0.038828	0.032606	0.042932	0.035	0.032598
294964.794	122004.854	244186.34	223066.478	243703.532	246991.597	231526.293	231639.975	257799.086	261253.403	376923.096
412837.829	170708.036	341933.721	312629.775	342244.843	346710.247	323962.619	325645.331	362255.036	364640.424	542317.839
3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.353099
558338.858	230942.988	462220.322	422242.536	461306.416	467530.394	438256.12	438471.309	487987.889	494526.566	721091.575
43645.2	19583.73	43775.07	40983.42	42055.68	43660.74	40968.99	40375.14	44193.54	41989.08	43811.7
107.236363	53.216657	107.291838	106.727656	107.284897	107.011617	106.690078	107.380691	105.979712	107.115	107.381617
45288	40848	45288	42624	43512	45288	42624	41736	46176	43512	45288
111.272727	111	111	111	111	111	111	111	110.733812	111	111
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
38.344853	39.650319	39.288886	39.38902	39.013772	39.17632	39.279147	39.12496	39.057729	38.758851	38.306575
37.973325	38.166814	38.836444	38.912315	38.5953	38.736373	38.786483	38.691706	38.589223	38.403075	37.975464
1029163.11	436590.842	852816.64	779542.075	851384.415	863336.951	809213.995	810122.988	902139.547	909634.847	1338480.81
1006355.58	400338.614	615841.816	585249.846	722867.604	697797.801	600527.028	628274.345	741407.508	778417.605	1767012.74
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1006355.58	400338.614	615841.816	585249.846	722867.604	697797.801	600527.028	628274.345	741407.508	778417.605	1767012.74
393.2	176.43	394.37	369.22	378.88	393.34	369.09	363.74	398.14	378.28	394.7
252289.709	174918.113	142849.939	88929.3824	10831.5598	20615.6534	165467.291	214930.766	129173.273	40532.0011	182219.316
306170.755	208515.611	155505.355	94501.1132	12114.6352	22224.1596	181433.327	229989.68	146735.876	44300.7081	258828.017

44.856486	55.125748	35.91238	30.663159	17.866052	23.693604	38.262342	46.5246	37.889575	23.147749	31.12733
6861.04137	4735.96581	3862.52819	2377.5656	290.95291	557.625551	4470.82785	5761.69162	3494.71137	1112.30274	4900.64271
29.631831	28.670991	24.163911	25.133524	25.925056	26.059779	23.980884	26.600913	27.172499	28.768293	38.171135
29.07315	26.629157	22.9162	23.706062	25.901897	26.014997	22.253216	25.227146	26.854123	28.714805	38.129986
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
66.174963	30.15244	53.387073	51.664083	55.739295	54.103333	53.913812	55.147053	55.510249	60.257959	86.331632
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20072.1686	6360.13219	17919.3978	17461.4424	21558.8511	21516.5344	16232.0761	14973.6004	19653.0626	22508.8173	30322.6633
767636.088	246816.848	700729.39	681851.533	832267.845	833579.217	634223.704	586716.752	762967.123	861389.216	1146353.21
30.73	12.5	6.39	5.81	1.17	1.76	8.52	8.99	11.86	3.59	65.58
22807.5283	36252.2276	236974.824	194292.23	128516.811	165539.15	208686.967	181848.643	160732.039	131217.242	-428531.93
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239.63	84.72	293.06	285.4	342.71	353.97	259.54	244.12	305.35	328.23	221.49
	0.5									
95446.9284	36477.5189	83418.2886	82913.1745	103393.406	103507.561	77413.0867	78528.3002	98363.4392	110589.348	115348.344
0.97	1.56	0.97	0.92	0.87	0.96	1	0.89	1.05	0.81	1.02
9237.31	14855.88	9237.31	8761.16	8285.01	9142.08	9523	8475.47	9999.15	7713.63	9908.28
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
971176.687	401651.025	804154.044	734872.311	803551.26	814240.641	762218.739	764116.64	850242.926	859166.99	1263409.41
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
9237.31	14855.88	9237.31	8761.16	8285.01	9142.08	9523	8475.47	9999.15	7713.63	9908.28
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
48749.1101	20083.9374	39425.2861	35908.6045	39548.1452	39954.2296	37472.2562	37530.8785	41897.4709	42754.2272	65163.1161
103.54	60.24	78.25	58.13	10.13	16.99	81.11	99.38	65.86	35.96	61.54

0.026715	0.027907	0.030441	0.029765	0.041071	0.02598	0.03401	0.026861	0.026899	0.020459	0.02745

1191.3	1073.19	1186.74	1117.71	1127.7	1192.2	1112.82	1097.7	1214.43	1151.94	1190.4
2.927027	2.916277	2.908676	2.910703	2.876785	2.922058	2.897968	2.919414	2.912302	2.938622	2.917647
1224	1104	1224	1152	1176	1224	1152	1128	1248	1176	1224
3.007371	3	3	3	3	3	3	3	2.992805	3	3

11.403125	11.493894	11.776258	11.776606	11.649138	11.653596	11.810128	11.57131	11.565671	11.47555	11.249152
0.749679	0.708049	0.591713	0.597841	0.630623	0.635884	0.602537	0.669393	0.685872	0.726354	0.859751
0.716082	0.676972	0.375804	0.574783	0.604366	0.602832	0.501323	0.636451	0.649431	0.639403	0.821899
371460.992	318160.474	199918.169	289500.696	308588.508	319825.919	250568.77	308825.781	347815.679	318116.169	427173.939
1489.83322	1451.61141	917.83902	1249.41694	1090.60137	1179.44925	1179.43044	1401.20307	1364.74832	1056.02866	1423.71339
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
0.045808	0.045597	0.045931	0.040781	0.043188	0.051004	0.053515	0.050851	0.051923	0.04602	0.04571
142515.532	122330.186	76783.4655	111111.905	118282.231	122570.026	96364.4266	118373.507	133288.943	122370.396	160961.308
199556.107	171292.007	107543.081	155864.608	166196.925	172249.451	134828.247	166240.698	187196.51	170521.738	231750.863
2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.546599
157080.619	134832.331	84630.7357	122467.542	130370.675	135096.682	106212.871	130471.279	146911.073	134876.651	178119.783
16740.33	15102.46	11136.57	15838.62	16128.01	16608.32	13710.55	15345.84	16920.93	14805.33	16742.05
41.131031	41.039293	27.295514	41.246406	41.142882	40.706666	35.704557	40.813404	40.577769	37.768698	41.034436
17544	15824	17544	16512	16856	17544	16512	16168	17888	16856	17544
43.105651	43	43	43	43	43	43	43	42.896882	43	43
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
30.188032	30.488711	32.075762	31.325347	30.960518	31.008124	32.164083	30.799309	30.732375	30.950273	30.316543
29.713348	29.941129	30.64459	30.641133	30.321472	30.331519	30.726982	30.126863	30.114066	29.906239	29.84476
376878.129	324040.775	208715.273	295278.176	314476.671	326279.345	261030.831	314978.032	354269.105	328102.493	432699.39
444347.306	364800.066	185712.816	274568.467	324962.162	324869.031	234370.973	305781.962	358058.25	344364.608	696798.703
67469.1772	40759.2904	-23002.457	-20709.708	10485.4911	-1410.3139	-26659.858	-9196.0693	3789.14505	16262.1149	264099.313
444347.306	364800.066	185712.816	274568.467	324962.162	324869.031	234370.973	305781.962	358058.25	344364.608	696798.703
389.31	351.22	258.99	368.34	375.07	385.91	318.85	356.88	393.13	344.31	389.35
0.027258	604.508048	35.518131	30.632781			240.211391	28.561552			
0.039596	756.672837	40.779689	20.076031			295.354108	31.375424			
0.000886	3.605459	0.678161	0.276617			1.851242	0.654355			
0.000886	21.13968	1.218394	1.01324			8.30991	0.987941			
31.481248	28.387141	24.875467	24.320001	27.099989	26.005454	26.182069	25.411257	27.929907	28.587837	47.258248
9.129562	26.623676	16.390181	6.781782	8.671996	8.581799	13.470514	9.848706	7.820374	6.003445	13.232309
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
30.867223	29.109809	16.159583	24.715703	25.98778	25.921789	21.556901	27.367393	27.858585	27.494336	35.341691
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12562.9591	10691.2703	6591.89161	9489.81676	10187.21	10576.09	8269.54009	10289.1521	11617.03	10777.78	14419.41
371460.992	318160.474	199918.169	289500.696	308588.508	319825.919	250568.77	308825.781	347815.679	318116.169	427173.939
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		0.333333			0.00245	0.122395		0.002403	0.079081	
93730.6586	74002.6835	51941.8301	82170.2474	101167.781	99990.0527	63862.4606	75673.9673	96504.0258	97846.89	113289.562
1.15	1.12	1.86	1.22	1.25	1.37	2.17	1.3	1.37	2.12	1.15
5417.1095	5275.7936	8761.5858	5746.8466	5888.1625	6453.4261	10221.8501	6123.689	6453.4261	9986.3236	5525.451
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
356636.726	306124.338	192173.817	278332.15	296567.6	307346.133	241041.118	296711.977	334107.583	305398.389	409870.647
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
5417.1095	5275.7936	8761.5858	5746.8466	5888.1625	6453.4261	10221.8501	6123.689	6453.4261	9986.3236	5525.451
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
14824.2928	12640.6438	7779.8698	11199.1794	12020.9078	12479.7862	9767.863	12142.3652	13708.0954	12717.7804	17303.292
	0.32	0.02								

0.029509	0.027907	0.020318	0.035989	0.044005	0.023504	0.028463	0.022765	0.037187	0.026173	0.034411

1187.88	1073.19	1199.13	1110.54	1124.25	1195.23	1119.21	1102.32	1201.59	1145.22	1181.88
2.918624	2.916277	2.939044	2.892031	2.867984	2.929485	2.914609	2.931702	2.88151	2.921479	2.896764
1224	1104	1224	1152	1176	1224	1152	1128	1248	1176	1224
3.007371	3	3	3	3	3	3	3	2.992805	3	3

3.794432	4.357643	2.108337	3.940124	7.198712	4.076148	2.964856	0.142307	0.2812	0.14	7.71416
0.002594	0.005383	0.002406	0.005881	0.0126	0.005888	0.005661	0.000075	0.000216	0.00002	0.016643
0.002563	0.00513	0.002362	0.005734	0.011938	0.005642	0.005546	0.000069	0.000216	0.00002	0.016254
11.926446	261.894281	126.572708	744.470991	8387.38112	3291.20124	617.375802	19.167878		27.412005	4743.58082

0.043091	1.06783	0.504354	2.45661	24.594773	9.833234	2.268302	0.084967		0.080526	15.089335
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
0.028272	0.032622	0.030551	0.026966	0.031313	0.027879	0.034661	0.028018	0.031322	0.026147	0.0262
736.7	1330	679	1556.1	3325.2	1625.5	1516.5	18.5	63.3	5.6	4661.6
3336.58573	7060.42652	3430.84778	8323.57357	17859.856	8705.17975	7831.34304	92.72061	323.844344	27.412005	20772.0924
1.245593	1.648669	0.769075	1.492942	2.682529	1.530595	1.10619	0.050119	0.101639	0.04895	2.584307
2.512995	53.527426	23.75534	143.790244	1565.15557	618.353866	121.180286	3.824454		5.6	1057.42464
19810.2	17721.9	19789.5	18723.2	19001.1	19885.4	18506.3	18283.3	20094.2	19037.1	19848.1
48.67371	48.157336	48.503676	48.758333	48.472193	48.738725	48.193489	48.625797	48.187529	48.56403	48.647303
20400	18400	20400	19200	19600	20400	19200	18800	20800	19600	20400
50.12285	50	50	50	50	50	50	50	49.880095	50	50
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
23.871471	28.775153	14.262454	31.204963	61.735212	31.741773	26.353662	1.567196	2.350575	0.6853	43.231612
17.65249	23.266339	10.814199	21.053223	37.920399	21.545603	15.73577	0.714273	1.429947	0.6853	36.690683
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3707.92811	7945.11057	3784.71504	9433.5854	21015.5306	9844.79248	9389.73261	108.29007	354.83228	27.665198	23368.7207
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
3707.92811	7945.11057	3784.71504	9433.5854	21015.5306	9844.79248	9389.73261	108.29007	354.83228	27.665198	23368.7207
226.09	154.49	168.3	235.77	376.98	293.87	171.22	138.85	119.5	106.88	246.43
3347.82529	6828.84224	3306.16507	7591.10658	9510.78193	5431.10151	7257.36124	73.687731	323.979344		16190.7715
3695.69642	7648.62489	3650.64347	8613.85072	11083.7421	6100.11231	8621.65916	84.528522	354.83228		17968.8096
5.734578	6.395063	3.079947	5.73571	8.29226	4.817276	4.606247	0.20447	0.45		10.349645
52.1205	90.576612	46.503189	99.829268	122.888867	71.062938	97.972836	1.026824	4.5		256.395698
71.871586	72.995006	73.871485	74.501451	78.267303	76.777485	79.266144	70.166948		69.584389	67.686535
2.156147	3.64975	1.477429	11.175217	34.431542	20.729921	6.298604	0.701669		0.695843	24.292599
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
0.128501	0.256521	0.118137	0.286718	0.596938	0.282107	0.277343	0.003457	0.010791	0.00102	0.812745
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
0.179499	3.823387	1.69681	10.270731	111.111132	44.037061	8.527163	0.273175		0.4	75.204301
11.926446	261.894281	126.572708	744.470991	8387.38112	3291.20124	617.375802	19.167878		27.412005	4743.58082
0.7	1.22	0.71	1.45	2.64	1.31	1.47	0.02	0.06		3.86
-348.17638	-854.37405	-351.97727	-1098.0078	-3117.3676	-1122.4897	-1514.9956	-15.434459	-30.852935	-0.253192	-2434.3684
-4043.8728	-8502.9989	-4002.6207	-9711.8586	-14201.11	-7222.602	-10136.655	-99.962982	-385.68522	-0.253192	-20403.178
	0.01	0.01	0.05	0.86	0.26	0.09			0.01	0.8

370.4102	592.6954	300.6881	872.8785	2326.8407	1045.7268	820.1289	8.9658	31.1985	3.4041	2719.2441
0.03	0.04		0.01	0.03	0.02	0.05				0.27
21.141	26.53		5.389	16.167	10.778	31.919				153.492
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3336.58573	7060.42652	3430.84778	8323.57357	17859.856	8705.17975	7831.34304	92.72061	323.844344	27.412005	20772.0924
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
21.141	26.53		5.389	16.167	10.778	31.919				153.492
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
2.025	3.78	1.89	6.615	22.14	6.345	11.475	0.135	0.135		8.768
0.08										0.01
0.028504	0.021793	0.038504	0.033307	0.037602	0.027254	0.023567	0.023164	0.032259	0.028571	0.038946
1585.48	1439.92	1569.16	1484.84	1509.04	1587.52	1499.8	1469.16	1610.32	1523.2	1568.44
3.895528	3.912826	3.84598	3.86677	3.849591	3.89098	3.905729	3.90734	3.861678	3.885714	3.844215
1632	1472	1632	1536	1568	1632	1536	1504	1664	1568	1632
4.009828	4	4	4	4	4	4	4	3.990407	4	4

10.352382	10.442716	10.713895	10.700793	10.568831	10.62175	10.696136	10.576168	10.563277	10.503575	10.207465
0.532379	0.481758	0.346304	0.345956	0.391279	0.378278	0.376179	0.400594	0.416389	0.468857	0.716176
0.503219	0.451821	0.24889	0.326779	0.372104	0.354701	0.356823	0.374348	0.39686	0.443677	0.684319
411469.13	306812.339	207162.326	261151.887	302904.45	300862.746	276549.652	281587.877	339183.292	354448.475	565441.122
1635.43962	1389.47173	949.700168	1104.68076	1046.86641	1086.70955	1269.11608	1271.1497	1319.77922	1177.46298	1881.76332
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
0.055294	0.063478	0.064975	0.057734	0.049897	0.064852	0.053671	0.066808	0.048125	0.053265	0.047083
123724.553	100768.981	63032.0768	78093.4885	89939.4657	89371.5489	84745.4575	86457.2953	101237	105690.475	165108.593
173344.501	141562.147	88311.3379	109785.54	126485.613	125624.167	118557.325	121866.021	142268.201	147055.167	237698.537
3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3652
235658.156	191934.678	120057.197	148744.668	171307.7	170225.989	161414.673	164675.21	192826.113	201308.648	317867.064

22586.784	20141.406	17194.412	21203.238	21824.984	22358.244	21294.654	20561.568	23204.428	21747.632	22783.094
55.495783	54.732081	42.143166	55.216765	55.675979	54.799617	55.454828	54.685021	55.64611	55.478653	55.840916
23908.8	21564.8	23908.8	22502.4	22971.2	23908.8	22502.4	22033.6	24377.6	22971.2	23908.8
58.74398	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.459472	58.599999	58.599999
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
37.74863	39.439077	44.982441	41.303335	39.302139	40.442175	40.472328	40.623942	39.17459	38.674763	37.429813
34.811718	35.109618	36.004982	35.959383	35.522289	35.696328	35.945378	35.542943	35.504028	35.320811	34.95939
446778.222	371181.729	256171.426	295422.093	332196.57	334700.448	313209.541	326106.907	370814.707	382685.124	596931.809
471751.457	373379.507	185283.079	241158.799	309791.469	294238.517	260666.424	271295.059	329898.277	353561.704	840186.884
24973.2349	2197.77797	-70888.346	-54263.294	-22405.101	-40461.931	-52543.117	-54811.848	-40916.43	-29123.42	243255.075
471751.457	373379.507	185283.079	241158.799	309791.469	294238.517	260666.424	271295.059	329898.277	353561.704	840186.884
385.44	343.69	293.42	361.83	372.44	381.54	363.39	350.88	395.98	371.12	388.79
4752.3515	32530.5481	4776.61496	1790.31331	17.48077	75.708993	8239.98373	9902.30308	1715.72493	30.427604	104.850135
5809.54733	41780.9975	5562.97327	1930.40281	17.128831	76.922942	9547.62136	11208.3964	1952.10019	29.338302	128.562836
10.764152	19.515757	10.673348	7.386827	0.353439	1.078473	11.495259	13.34939	7.75513	0.639623	1.379447
140.331359	959.941045	140.865832	51.691425	0.47372	2.092636	242.913584	289.506281	50.230767	0.803008	2.819618
31.885083	28.491859	26.928413	25.870392	26.035955	28.378013	25.710725	29.466718	27.95178	29.577008	44.720187
31.052964	28.281266	22.646694	23.168857	21.857442	24.115459	23.522238	28.419287	27.350056	27.786969	40.244347
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
29.561115	26.476733	14.584995	19.149276	21.805346	20.785534	20.909885	21.936829	23.200249	25.99952	40.101137
-39697.589	-50474.168	-103835.21	-95082.76	-69416.46	-87176.44	-96839.567	-100003.08	-93833.009	-84367.832	156952.813
-39697.589	-50474.168	-103835.21	-95082.76	-69416.46	-87176.44	-96839.567	-100003.08	-93833.009	-84367.832	156952.813
11891.0426	8783.49695	5809.81217	7301.63057	8547.22228	8478.40536	7786.48242	7958.74172	9624.27323	10191.009	16358.4444
411469.13	306812.339	207162.326	261151.887	302904.45	300862.746	276549.652	281587.877	339183.292	354448.475	565441.122
0.17	4.7	0.04	0.02			0.11	0.05	0.04		0.06
-24973.235	-2197.778	70888.3464	54263.2935	22405.101	40461.931	52543.1168	54811.8478	40916.4297	29123.4204	-243255.08
-30782.782	-43978.775	65325.3731	52332.8907	22387.9722	40385.0081	42995.4954	43603.4514	38964.3296	29094.0821	-243383.64
21.23	142.2	14.71	22.72	20.15	21.58	21.71	17.78	26.39	21.14	20.32
	0.002717	0.232843								
87197.0763	67677.9371	55582.3915	75430.2561	95187.1949	93220.065	71527.0034	69725.8195	91439.6452	100239.01	105715.229
1.43	1.49	2.07	1.52	1.37	1.58	1.33	1.62	1.4	1.32	1.44
30556.7405	31838.8415	44232.4845	32479.892	29274.6395	33761.993	28419.9055	34616.727	29915.69	28206.222	31385.8368
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
409002.657	333496.825	208368.535	258530.208	297793.313	295850.156	279971.998	286541.231	335094.314	348363.815	555565.601

12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
30556.7405	31838.8415	44232.4845	32479.892	29274.6395	33761.993	28419.9055	34616.727	29915.69	28206.222	31385.8368
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
7218.8244	5846.0628	3570.4068	4411.9932	5128.6176	5088.2988	4817.6376	4948.9488	5804.7024	6115.0872	9980.37104
1.08	20.89	0.81	0.33	0.03	0.13	1.22	1.05	0.78	0.09	0.17
3.15	3	1.95	3.15	6.3	3.75	2.85	0.15	0.3		4.5
0.001605	0.003706	0.001497	0.004547	0.009986	0.004359	0.005005	0.000053	0.000148		0.01012
0.001568	0.003641	0.001446	0.004401	0.009719	0.004117	0.004843	0.000053	0.000144		0.009803
	39.268105	0.69241	52.46561	1115.2388	532.720353	111.409561				498.293318
	0.149587	0.0027	0.164504	3.23156	1.572175	0.417415				1.569558
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56
0.029411	0.025326	0.040563	0.022213	0.030102	0.030539	0.041979	0.036063	0.031658	0.025739	0.031102
134.4	281.4	123.9	354.9	800.1	352.8	390.6	4.2	12.6		840
606.482095	1484.35914	626.759476	1884.66757	4328.90763	1897.07833	2009.66125	21.050084	66.512668		3609.06823
0.989568	1.07044	0.666361	1.124484	2.216813	1.325102	0.99702	0.050119	0.101639		1.337799
	8.4	0.129506	9.994644	208.427521	99.885336	21.518602				108.374759
5544	5021.52	5480.3	5256.58	5322.8	5537.56	5150.32	5074.16	5639.62	5346.74	5534.34
13.621621	13.645434	13.432107	13.68901	13.578571	13.57245	13.412291	13.495106	13.524268	13.639642	13.564558
5712	5152	5712	5376	5488	5712	5376	5264	5824	5488	5712
14.034398	14	14	14	14	14	14	14	13.966426	14	14
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56
15.218523	16.05661	9.995424	16.867267	33.5022	19.951533	14.992803	0.751788	1.524594		20.747939
15.218523	16.05661	9.995424	16.867267	33.5022	19.951533	14.992803	0.751788	1.524594		20.747939
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668		3735.06823
668.274532	1637.25013	688.657438	2113.57041	5077.98379	2110.03	2372.76667	24.581481	71.036702		4002.01024
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034		266.942011
668.274532	1637.25013	688.657438	2113.57041	5077.98379	2110.03	2372.76667	24.581481	71.036702		4002.01024
116.48	81.12	97.7	131.25	207.53	153.8	94.61	76.88	70.53	59.8	119.77
616.982095	1445.09103	626.067065	1832.20196	3224.16883	1374.85798	1908.75169	21.050084	66.512668		3236.77491
668.274532	1593.87264	687.934791	2056.75881	3772.43466	1524.96092	2233.88656	24.581481	71.036702		3465.1068
2.94	2.8	1.81892	2.931749	4.969992	3.29658	2.657956	0.14	0.28		3.887813
8.96	18.2	8.251366	22.99369	39.444831	16.860977	24.605426	0.28	0.84		48.775016
	77.718412	80.198267	80.36749	82.8857	83.647401	78.028426				73.051422
	0.777184	0.801982	2.411024	22.379139	12.54711	3.121137				9.496684

8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84	56
0.022014	0.050978	0.020245	0.061614	0.136071	0.057647	0.067812	0.000744	0.002014	0.137254
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034	266.942011
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034	266.942011
	0.56	0.008633	0.666309	13.895168	6.659022	1.434573			7.224983
	39.268105	0.69241	52.46561	1115.2388	532.720353	111.409561			498.293318
0.49	1.02	0.45	1.16	1.67	0.94	0.95	0.01	0.05	3.17
-51.292436	-152.89099	-61.897962	-228.90284	-738.57615	-202.45167	-352.60542	-3.531396	-4.524034	-266.94201
-719.56697	-1746.7636	-749.83275	-2285.6616	-4511.0108	-1727.4126	-2586.492	-28.112878	-75.560737	-3732.0488
	0.04		0.04	0.48	0.31	0.04			0.36
167.5324	312.0908	134.9438	469.2689	1253.1038	546.8135	459.4201	4.511	15.5896	1242.6447
0.01				0.01	0.01	0.01			0.12
10.5				10.5	10.5	10.5			126
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823
606.482095	1484.35914	626.759476	1884.66757	4328.90763	1897.07833	2009.66125	21.050084	66.512668	3609.06823
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84	56
10.5				10.5	10.5	10.5			126
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823

10.929584	10.9944	11.238716	11.270636	11.152347	11.190918	11.2299	11.160495	11.135424	11.055516	10.728777
0.361092	0.294487	0.260297	0.274631	0.300901	0.290774	0.281674	0.296457	0.30376	0.324935	0.473232
0.347497	0.239431	0.231542	0.264627	0.289848	0.279287	0.266518	0.285101	0.291446	0.310017	0.457292
1554522.38	881376.638	1110389.78	1241782.83	1493656.23	1484184.53	1166807.3	1177574.87	1450931.65	1534947.3	2191203.89
6187.97191	3983.88004	5096.64614	5319.27859	5218.66359	5416.22685	5375.90456	5311.76806	5665.26627	5100.03264	7266.60011
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
0.03334	0.035259	0.03561	0.033222	0.036897	0.034258	0.037014	0.033607	0.036236	0.032066	0.033028
566391.765	353123.543	387607.311	418766.345	463944.593	466199.675	418569.523	437220.059	492996.398	489522.006	728276.193
812721.246	526558.112	555944.719	612908.284	699062.628	683494.794	608012.627	617715.991	695548.396	683494.077	1139242.89
3.112194	3.060375	3.152015	3.111173	3.140286	3.112789	3.136717	3.08349	3.084218	3.098668	3.226523
951077.634	557709.997	666908.255	693454.745	762984.792	772853.066	705883.663	733617.799	827725.076	830711.865	1217078.42
594.43312	1523.8285	425.589105	1494.18254	8157.66059	4816.79471	915.070913	77.892104	138.021977	137.827544	8743.22443
144165.554	109730.601	133265.627	135798.208	138601.719	143847.694	133332.184	132730.408	146479.988	137329.187	144699.884
354.21512	298.18098	326.631438	353.641166	353.575813	352.567877	347.219229	353.006404	351.270954	350.329558	354.656578

149776.8	135092.8	149776.8	140966.4	143903.2	149776.8	140966.4	138029.6	152713.6	143903.2	149776.8
368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.219664	367.099999	367.099999
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
186.612652	194.813788	158.347011	185.571495	244.586225	190.376303	178.366967	122.342327	126.01548	116.035068	218.144293
35.45817	35.016203	36.962391	36.550338	36.551278	36.31538	36.713547	35.814823	35.737	35.659253	36.22974
1884325.07	1181386.7	1338694.27	1409521.01	1570215.65	1568628.04	1418278.41	1455923.36	1631662.49	1621911.25	2516466.78
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05
73509.6623	14304.6968	-327860.18	-261766.13	-123865.85	-199563.99	-280374.7	-245524.12	-197452.68	-143972.09	956412.269
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05
1698.45	1280.12	1318.46	1621.77	1956.05	1812.34	1449.92	1420.45	1485.67	1356.55	1790.56
284591.533	248039.545	166073.114	120750.284	33111.6054	35086.0139	203306.357	229132.602	134362.577	41057.7707	278443.32
342951.8	297132.233	182136.388	131945.173	38640.6445	38830.9512	226902.438	245776.918	152485.513	44868.2206	367397.417
15.091743	18.055845	10.183785	10.373828	8.069159	7.061178	12.114971	10.008707	8.09214	5.238591	13.238177
7457.81092	6350.95547	4314.25868	2897.40537	614.073146	773.945092	5190.08812	6122.76903	3598.84857	1120.52736	6504.33007
35.73533	33.180677	26.934572	31.208409	40.995411	35.704628	28.381797	28.000788	29.254392	30.456719	47.852147
35.441074	32.502716	26.21843	30.122809	40.970597	35.67835	26.99919	27.182538	29.099449	30.414389	47.797556
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
127.879616	87.895233	84.999299	97.144635	106.403443	102.52649	97.838932	104.660638	106.733496	113.807581	167.87196
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44589.1931	25994.4905	30365.4553	34406.1346	41096.0769	41056.8629	32380.0619	33229.631	40909.0194	43492.0446	61987.4299
1554522.38	881376.638	1110389.78	1241782.83	1493656.23	1484184.53	1166807.3	1177574.87	1450931.65	1534947.3	2191203.89
37.72	27.9	11.41	13.4	9.19	7.23	15.54	10.25	12.86	3.85	94.75
-73509.662	-14304.697	327860.176	261766.128	123865.848	199563.989	280374.704	245524.116	197452.678	143972.091	-956412.27
-416461.46	-311436.93	145723.788	129820.955	85225.203	160733.037	53472.2653	-252.8017	44967.1649	99103.8708	-1323809.7
264.59	256.11	316.08	311.49	372.14	383.12	285.25	265.01	335.78	351.65	250.56
	0.045701	0.05147			0.000222	0.011126		0.000218	0.007189	
278991.759	181738.546	192552.226	244159.084	308045.701	301373.38	215873.944	224245.113	286644.258	308800.817	349467.616
3.94	4.49	4.96	3.78	3.69	4.11	4.72	3.86	3.85	4.27	4.81
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22
1763798.88	1084268.11	1222852.97	1306363.03	1462047.42	1456347.86	1313896.29	1351333.79	1523273.47	1514205.94	2356321.31
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945

2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22
75110.4963	44983.2268	53580.2795	56110.3525	64614.7126	62817.4244	56095.905	55348.9863	62005.9361	61789.248	112638.277
105.33	81.45	79.08	58.46	10.16	17.12	82.33	100.47	66.64	36.05	62.68
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
433049.573	384671.556	385706.858	471615.878	1012828.07	984077.976	357809.715	329699.061	634291.264	965385.898	625271.166
1711.1945	1732.48879	1755.28175	1954.44549	3547.12451	3573.87047	1583.92967	1457.80212	2458.16485	3194.376	2047.15303
-101892.29	-80867.369	-88789.526	-88966.621	-110040.65	-110505	-83308.581	-83335.942	-106213.03	-117534.53	-122701.28
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
433049.573	384671.556	385706.858	471615.878	1012828.07	984077.976	357809.715	329699.061	634291.264	965385.898	625271.166
263.23	256.99	315.59	310.68	372.22	383.16	284.43	263.55	335.27	351.09	248.27
168.811643	159.016068	155.101996	191.31822	239.05477	230.669596	183.47202	149.931312	190.440814	229.198727	194.206272
66.275886	60.904291	61.609764	68.567205	110.865274	105.781501	66.178891	57.077508	79.329225	105.935823	69.214112
18060.1567	16038.1336	19728.6507	21717.0892	41456.3492	40753.4688	19242.947	15305.2158	27171.1381	37805.7257	19295.5164
-101892.29	-80867.369	-88789.526	-88966.621	-110040.65	-110505	-83308.581	-83335.942	-106213.03	-117534.53	-122701.28
-250.34961	-219.74829	-217.62139	-231.68391	-280.71595	-270.8456	-216.94943	-221.63814	-254.7075	-299.83299	-300.73842
-3323096.1	-2475584.5	-2146275.4	-2311214.5	-3169644	-3085742.1	-2028614.9	-2223967.1	-2994887.6	-3460047.8	-5618192.5
-32.628452	-30.599335	-24.168959	-25.995399	-28.764474	-27.89099	-24.361179	-26.694567	-28.225243	-29.451671	-45.782371
-3323096.1	-2475584.5	-2146275.4	-2311214.5	-3169644	-3085742.1	-2028614.9	-2223967.1	-2994887.6	-3460047.8	-5618192.5
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3756145.68	2860256.07	2531982.23	2782830.34	4182472.05	4069820.08	2386424.6	2553666.12	3629178.9	4425433.7	6243463.62
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
433049.573	384671.556	385706.858	471615.878	1012828.07	984077.976	357809.715	329699.061	634291.264	965385.898	625271.166
1711.1945	1732.48879	1755.28175	1954.44549	3547.12451	3573.87047	1583.92967	1457.80212	2458.16485	3194.376	2047.15303
-101892.29	-80867.369	-88789.526	-88966.621	-110040.65	-110505	-83308.581	-83335.942	-106213.03	-117534.53	-122701.28
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
433049.573	384671.556	385706.858	471615.878	1012828.07	984077.976	357809.715	329699.061	634291.264	965385.898	625271.166
263.23	256.99	315.59	310.68	372.22	383.16	284.43	263.55	335.27	351.09	248.27
168.811643	159.016068	155.101996	191.31822	239.05477	230.669596	183.47202	149.931312	190.440814	229.198727	194.206272

66.275886	60.904291	61.609764	68.567205	110.865274	105.781501	66.178891	57.077508	79.329225	105.935823	69.214112
18060.1567	16038.1336	19728.6507	21717.0892	41456.3492	40753.4688	19242.947	15305.2158	27171.1381	37805.7257	19295.5164
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3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3756145.68	2860256.07	2531982.23	2782830.34	4182472.05	4069820.08	2386424.6	2553666.12	3629178.9	4425433.7	6243463.62
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45

4261.76699	4207.66881	4534.16013	3805.36714	3088.46728	3411.48759	3880.42573	4490.93559	4733.89726	4390.72931	5188.50805
138970.265	130533.55	108812.335	94719.0466	80637.8911	89043.6753	92837.1501	119603.547	133357.766	127717.484	235622.651

28.446408	30.294123	21.894971	21.101014	24.461236	22.587773	21.07856	30.487246	32.083094	31.31466	29.054583
1.706784	5.755883	3.284245	0.84404	1.712286	1.581144	2.107856	1.524362	1.924985	1.878879	0.290545
4261.76699	4207.66881	4534.16013	3805.36714	3088.46728	3411.48759	3880.42573	4490.93559	4733.89726	4390.72931	5188.50805
10.471171	11.433882	11.113137	9.90981	7.878743	8.361489	10.105275	11.943977	11.352271	11.20084	12.716931
138970.265	130533.55	108812.335	94719.0466	80637.8911	89043.6753	92837.1501	119603.547	133357.766	127717.484	235622.651
138970.265	130533.55	108812.335	94719.0466	80637.8911	89043.6753	92837.1501	119603.547	133357.766	127717.484	235622.651
4261.76699	4207.66881	4534.16013	3805.36714	3088.46728	3411.48759	3880.42573	4490.93559	4733.89726	4390.72931	5188.50805

-138970.27	-130533.55	-108812.34	-94719.047	-80637.891	-89043.675	-92837.15	-119603.55	-133357.77	-127717.48	-235622.65
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0.36	2.48	1.43	0.65	0.5	0.53	0.88	0.27	0.72	0.45	0.01
101892.292	79698.8403	88789.5256	88966.6207	104247.139	106605.337	83308.5805	83335.9422	106213.028	114502.6	122701.277
4261.76699	4207.66881	4534.16013	3805.36714	3088.46728	3411.48759	3880.42573	4490.93559	4733.89726	4390.72931	5188.50805
4261.76699	4207.66881	4534.16013	3805.36714	3088.46728	3411.48759	3880.42573	4490.93559	4733.89726	4390.72931	5188.50805
138970.265	130533.55	108812.335	94719.0466	80637.8911	89043.6753	92837.1501	119603.547	133357.766	127717.484	235622.651
138970.265	130533.55	108812.335	94719.0466	80637.8911	89043.6753	92837.1501	119603.547	133357.766	127717.484	235622.651
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	379427.58	432126.498
1701.74838	1912.75356	1953.98662	1435.22987	951.547089	1000.67479	1495.49646	1579.38214	1558.97473	1273.8726	1444.09264
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
275166.044	257096.239	205686.746	164429.23	146628.522	146435.577	154048.648	187116.256	224315.669	224841.891	402819.682
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
21.018517	23.037464	21.040734	17.146003	13.593979	13.283501	16.843898	18.755223	19.237581	19.688553	21.82066
-146487.07	-160773.88	-217449.16	-160099.34	-116030	-120699.89	-164761.89	-160475.05	-171092.24	-155616.29	-53358.23
-146487.07	-160773.88	-217449.16	-160099.34	-116030	-120699.89	-164761.89	-160475.05	-171092.24	-155616.29	-53358.23
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7697.39929	8425.94273
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	379427.58	432126.498
146487.068	160773.885	217449.161	160099.342	116030	120699.888	164761.886	160475.054	171092.237	155616.288	53358.2304
146487.068	160773.885	217449.161	160099.342	116030	120699.888	164761.886	160475.054	171092.237	155616.288	53358.2304
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
275166.044	257096.239	205686.746	164429.23	146628.522	146435.577	154048.648	187116.256	224315.669	224841.891	402819.682
-146487.07	-160773.88	-217449.16	-160099.34	-116030	-120699.89	-164761.89	-160475.05	-171092.24	-155616.29	-53358.23
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	361534.817	409950.321
1621.3998	1820.29443	1860.89619	1369.53772	905.215116	952.422133	1425.71022	1506.0365	1485.16879	1213.87837	1370.00198
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
309188.302	288661.039	231067.089	184924.215	164620.536	164437.93	173169.228	210370.17	252049.574	252659.535	452644.574

	32.512933									
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9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
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9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8650.8915	9468.35517
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	361534.817	409950.321
92537.5693	109045.631	171919.266	124706.193	85274.1286	89826.3941	130747.549	121037.583	124631.148	109865.057	-19796.024
92537.5693	109045.631	171919.266	124706.193	85274.1286	89826.3941	130747.549	121037.583	124631.148	109865.057	-19796.024
	0.05									
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
309188.302	288661.039	231067.089	184924.215	164620.536	164437.93	173169.228	210370.17	252049.574	252659.535	452644.574
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401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55

4142.20749	4151.02897	4432.67965	3896.44501	3081.83626	3505.74668	3869.18362	4380.67829	4591.99213	4308.01705	5137.98447
135081.957	128672.937	106426.102	96668.3744	80493.9455	91102.2579	92352.3598	116490.932	129501.544	125146.125	233096.248

	27.799934			25.449294						
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4142.20749	4151.02897	4432.67965	3896.44501	3081.83626	3505.74668	3869.18362	4380.67829	4591.99213	4308.01705	5137.98447
10.177413	11.27997	10.86441	10.146992	7.861827	8.592516	10.075998	11.65074	11.011971	10.989839	12.593099
135081.957	128672.937	106426.102	96668.3744	80493.9455	91102.2579	92352.3598	116490.932	129501.544	125146.125	233096.248
135081.957	128672.937	106426.102	96668.3744	80493.9455	91102.2579	92352.3598	116490.932	129501.544	125146.125	233096.248
4142.20749	4151.02897	4432.67965	3896.44501	3081.83626	3505.74668	3869.18362	4380.67829	4591.99213	4308.01705	5137.98447
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101892.292	79604.5937	88789.5256	88966.6207	110040.651	106813.645	83308.5805	83335.9422	106213.028	117534.533	122701.277
4142.20749	4151.02897	4432.67965	3896.44501	3081.83626	3505.74668	3869.18362	4380.67829	4591.99213	4308.01705	5137.98447
4142.20749	4151.02897	4432.67965	3896.44501	3081.83626	3505.74668	3869.18362	4380.67829	4591.99213	4308.01705	5137.98447
135081.957	128672.937	106426.102	96668.3744	80493.9455	91102.2579	92352.3598	116490.932	129501.544	125146.125	233096.248
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4248.35795	4001.78063	4359.13642	3580.16933	2882.15045	3055.58424	3651.05331	4308.00608	4609.662	4019.61103	4870.95171
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-78000.998	-86711.395	-93268.581	-103335.18	-95738.863	-97219.919	-83987.898	-61868.782	-70012.157	-77223.275	-22468.012
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206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
78000.9977	86711.3946	93268.5808	103335.176	95738.8634	97219.9187	83987.8984	61868.7817	70012.1573	77223.2754	22468.0118
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206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
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206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52

391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	331108.614	416181.621
1594.01915	1817.06068	1559.35702	1460.20012	1014.01535	1087.15064	1489.3359	1714.28694	1469.06274	1120.07932	1402.22734
4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
138350.924	131952.249	88417.4212	87846.7961	81397.1962	83745.6305	81694.3223	109255.017	115990.401	105804.673	213515.487
4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
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4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3705.58182	4548.16683
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	331108.614	416181.621
253386.838	263176.532	248073.238	239759.095	196157.308	204989.929	234079.749	265736.816	255490.391	226679.823	226760.505
253386.838	263176.532	248073.238	239759.095	196157.308	204989.929	234079.749	265736.816	255490.391	226679.823	226760.505
101764.759	80867.3691	88710.5623	88799.0596	110040.651	110505.003	83060.6722	83335.9422	106117.467	116809.835	122701.277
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992

4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
138350.924	131952.249	88417.4212	87846.7961	81397.1962	83745.6305	81694.3223	109255.017	115990.401	105804.673	213515.487
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391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1249559	1451826.96
5752.09721	6505.1693	6173.33671	5146.70992	3617.00758	3803.80196	5135.8781	5371.28225	5120.37881	4202.14865	4861.85628
39242.9424	38834.745	38695.4196	32843.3968	27488.2247	28694.6711	31685.5716	34801.0955	38132.8704	36295.6187	42696.9824
1264136.81	1182243.91	925095.966	815174.159	740344.922	762407.707	752320.687	920682.97	1068870.87	1054000.46	1931501.32
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1.706784	5.773352	3.284245	0.84404	1.750517	1.581144	2.107856	1.524362	1.924985	1.878879	0.290545
39242.9424	38834.745	38695.4196	32843.3968	27488.2247	28694.6711	31685.5716	34801.0955	38132.8704	36295.6187	42696.9824
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-157887.69	-236323.84	-410454.63	-346469.96	-255747.59	-251947.75	-340395.84	-258427.58	-228593.43	-198954.8	408630.346
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1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1249559	1451826.96
157887.693	236323.844	410454.627	346469.964	255747.586	251947.751	340395.837	258427.585	228593.426	198954.803	-408630.35
157887.693	236323.844	410454.627	346469.964	255747.586	251947.751	340395.837	258427.585	228593.426	198954.803	-408630.35
0.36	2.54	1.43	0.65	0.51	0.53	0.88	0.27	0.72	0.45	0.01
713118.512	561129.22	613794.2	618706.448	757198.1	757872.801	582912.155	583351.595	735950.252	818985.098	858908.936
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
39242.9424	38834.745	38695.4196	32843.3968	27488.2247	28694.6711	31685.5716	34801.0955	38132.8704	36295.6187	42696.9824
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
39242.9424	38834.745	38695.4196	32843.3968	27488.2247	28694.6711	31685.5716	34801.0955	38132.8704	36295.6187	42696.9824
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1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97

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0.347497	0.239431	0.231542	0.264627	0.289848	0.279287	0.266518	0.285101	0.291446	0.310017	0.457292
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3409596.45	2684615.95	2831647.23	2875042.83	3502576.81	3482617.96	2617333.53	2686384.49	3382687.21	3749892.2	4268302.02
13651.2636	12221.5381	13025.2646	12420.434	12382.7957	12793.8993	12095.7123	12140.8524	13243.8099	12496.5573	14175.6094
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4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
0.03334	0.035259	0.03561	0.033222	0.036897	0.034258	0.037014	0.033607	0.036236	0.032066	0.033028
566391.765	353123.543	387607.311	418766.345	463944.593	466199.675	418569.523	437220.059	492996.398	489522.006	728276.193
812721.246	526558.112	555944.719	612908.284	699062.628	683494.794	608012.627	617715.991	695548.396	683494.077	1139242.89
3.112194	3.060375	3.152015	3.111173	3.140286	3.112789	3.136717	3.08349	3.084218	3.098668	3.226523
951077.634	557709.997	666908.255	693454.745	762984.792	772853.066	705883.663	733617.799	827725.076	830711.865	1217078.42
594.43312	1523.8285	425.589105	1494.18254	8157.66059	4816.79471	915.070913	77.892104	138.021977	137.827544	8743.22443
144165.554	109730.601	133265.627	135798.208	138601.719	143847.694	133332.184	132730.408	146479.988	137329.187	144699.884
354.21512	298.18098	326.631438	353.641166	353.575813	352.567877	347.219229	353.006404	351.270954	350.329558	354.656578
149776.8	135092.8	149776.8	140966.4	143903.2	149776.8	140966.4	138029.6	152713.6	143903.2	149776.8
368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.219664	367.099999	367.099999
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
186.612652	194.813788	158.347011	185.571495	244.586225	190.376303	178.366967	122.342327	126.01548	116.035068	218.144293
35.45817	35.016203	36.962391	36.550338	36.551278	36.31538	36.713547	35.814823	35.737	35.659253	36.22974
1884325.07	1181386.7	1338694.27	1409521.01	1570215.65	1568628.04	1418278.41	1455923.36	1631662.49	1621911.25	2516466.78
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
73509.6623	14304.6968	-327860.18	-261766.13	-123865.85	-199563.99	-280374.7	-245524.12	-197452.68	-143972.09	956412.269
3221971.54	2377935.31	1935930.06	1962929.04	2186694.72	2131471.76	1890224.39	2131082.22	2503080.69	2531939.61	5404380.37
1698.45	1280.12	1318.46	1621.77	1956.05	1812.34	1449.92	1420.45	1485.67	1356.55	1790.56
284591.533	248039.545	166073.114	120750.284	33111.6054	35086.0139	203306.357	229132.602	134362.577	41057.7707	278443.32
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
433049.573	384671.556	385706.858	471615.878	1012828.07	984077.976	357809.715	329699.061	634291.264	965385.898	625271.166
263.23	256.99	315.59	310.68	372.22	383.16	284.43	263.55	335.27	351.09	248.27
168.811643	159.016068	155.101996	191.31822	239.05477	230.669596	183.47202	149.931312	190.440814	229.198727	194.206272

4.418392	4.060286	4.107317	4.571147	7.391018	7.0521	4.411926	3.805167	5.288615	8.148909	4.614274
18,060	16,038	19,729	21,717	41,456	40,753	19,243	15,305	27,171	37,806	19,296
342951.8	297132.233	182136.388	131945.173	38640.6445	38830.9512	226902.438	245776.918	152485.513	44868.2206	367397.417
7.042813	8.426061	4.752433	4.84112	3.765607	3.295216	5.653653	4.67073	3.776332	2.014842	6.177816
7,458	6,351	4,314	2,897	614	774	5,190	6,123	3,599	1,121	6,504
35.63149	33.057605	26.614042	31.11957	40.763114	35.545266	28.238842	28.026268	29.277494	30.451483	47.798392
35.339761	32.404369	25.924435	30.04108	40.738384	35.5191	26.883812	27.222046	29.124788	30.410078	47.744428
-10602.346	-9687.1781	-15414.392	-18819.684	-40842.276	-39979.524	-14052.859	-9182.4467	-23572.29	-36626.342	-11512.534
-26.049989	-26.323853	-37.780372	-49.009593	-104.18948	-97.989028	-36.595986	-24.4214	-56.528272	-93.434545	-28.216995
-7926002.1	-6688941.8	-7310494.1	-7111590.9	-7844971.3	-8002324.4	-6841716.2	-6849861.1	-7986305	-8118410.1	-8918488.2
-77.811375	-82.738593	-82.339961	-79.987892	-71.342569	-72.44586	-82.169622	-82.213257	-75.215782	-69.100167	-72.693493
-7926002.1	-6688941.8	-7310494.1	-7111590.9	-7844971.3	-8002324.4	-6841716.2	-6849861.1	-7986305	-8118410.1	-8918488.2
83832.1355	64829.2355	69060.8749	67249.5315	68584.3015	69751.534	64065.6335	68030.7264	79041.8899	79728.807	103405.76
2976546.88	2299944.4	2445940.37	2403426.95	2489748.74	2498539.98	2259523.82	2356685.43	2748395.95	2784506.3	3643030.85
7632660.32	6508555.9	7109776.36	6896096.37	7608750.02	7762440.03	6626031.25	6621717.8	7728966.72	7862645.49	8551033.73
7722758.1	6596095.23	7313346.83	7235767.08	8582937.45	8707687.06	6756938.52	6705639.94	8210772.47	8783163.17	8808907.47
	0.045701	0.05147			0.000222	0.011126		0.000218	0.007189	
1094002.56	823735.135	895135.951	951832.153	1175284.45	1169751.18	882094.679	890932.65	1128807.54	1245320.45	1331077.83
3.94	4.49	4.96	3.78	3.69	4.11	4.72	3.86	3.85	4.27	4.81
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
11147973.7	9066877.08	9246424.21	9074519.92	10031666.1	10133796.2	8731940.57	8980943.29	10489385.7	10650349.7	14322868.5
6922787.47	5255924.84	5021238.02	5097874.1	5972173.46	5908609.97	4755294.75	5087144.26	6181352.73	6590678.88	10024984.6
1763798.88	1084268.11	1222852.97	1306363.03	1462047.42	1456347.86	1313896.29	1351333.79	1523273.47	1514205.94	2356321.31
91289.9464	71180.191	73375.1336	70146.9368	69198.3747	70525.4791	69255.7216	74153.4955	82640.7384	80908.1907	111188.742
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
6922787.47	5255924.84	5021238.02	5097874.1	5972173.46	5908609.97	4755294.75	5087144.26	6181352.73	6590678.88	10024984.6
75110.4963	44983.2268	53580.2795	56110.3525	64614.7126	62817.4244	56095.905	55348.9863	62005.9361	61789.248	112638.277
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
39242.9424	38834.745	38695.4196	32843.3968	27488.2247	28694.6711	31685.5716	34801.0955	38132.8704	36295.6187	42696.9824
1264136.81	1182243.91	925095.966	815174.159	740344.922	762407.707	752320.687	920682.97	1068870.87	1054000.46	1931501.32
-157887.69	-236323.84	-410454.63	-346469.96	-255747.59	-251947.75	-340395.84	-258427.58	-228593.43	-198954.8	408630.346
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97

2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10	2032-11	2032-12
3960794.96	3960794.96	3876522.7	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
-3960795	-3960795	-3876522.7	-4466428.4	-3876522.7	-4129339.4	-4129339.4	-4045067.2	-4297883.9	-4045067.2	-3961035.2
-3960795	-3960795	-3876522.7	-4466428.4	-3876522.7	-4129339.4	-4129339.4	-4045067.2	-4297883.9	-4045067.2	-3961035.2
3960794.96	3960794.96	3876522.7	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
3960794.96	3960794.96	3876522.7	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
3960794.96	3960794.96	3876522.7	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
41.556335	33.76627	31.886323	25.206225	26.326342	29.146299	28.546332	25.126301	27.866328	29.316275	30.60635
26.247576	26.247576	26.247558	26.247649	26.247631	26.247649	26.247576	26.247558	26.247668	26.247631	26.247649
41.431886	33.641847	31.761879	25.081821	26.201891	29.021865	28.421884	25.001866	27.741882	29.19185	30.481895
41.527616	33.737557	31.857605	25.177517	26.297623	29.117583	28.517613	25.097585	27.83761	29.287561	30.57763
40.809642	33.019736	31.13966	24.4598	25.579632	28.399694	27.799647	24.379691	27.119652	28.569729	29.85962
41.087259	33.297294	31.417265	24.737317	25.857255	28.677278	28.077261	24.657277	27.397262	28.847291	30.137251
$ 41.51	$ 33.72	$ 31.84	$ 25.16	$ 26.28	$ 29.10	$ 28.50	$ 25.08	$ 27.82	$ 29.27	$ 30.56
$ 41.55	$ 33.76	$ 31.88	$ 25.20	$ 26.32	$ 29.14	$ 28.54	$ 25.12	$ 27.86	$ 29.31	$ 30.60

24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756
1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
41.25	33.46	31.58	24.9	26.02	28.84	28.24	24.82	27.56	29.01	30.3
6.916449	6.170526	5.618814	5.290357	5.315741	5.352062	5.336745	5.319911	5.407843	6.282847	7.003826
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
0.027579	0.031648	0.036277	0.029127	0.019375	0.030714	0.031326	0.036119	0.026519	0.035	0.030106
8226.675	8192.25	7979.625	9262.125	8119.575	8549.1	8543.7	8327.925	8936.55	8337.6	8205.3
21.879454	21.846	21.683763	21.844634	22.064062	21.808928	21.795153	21.687304	21.903308	21.656103	21.822606
8460	8460	8280	9540	8280	8820	8820	8640	9180	8640	8460
22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5

8.76	5.36	3.44	13.3	9.44	6.18	7.76	15.1	3.58	2.62	7.52

7.723579	6.593299	6.499109	2.44894	3.29665	5.93397	4.23855	3.86179	1.50704	1.13028	1.13028
0.085829	0.023431	0.034312	0.013417	0.017184	0.033925	0.023941	0.02137	0.00216	0.001295	0.001347
0.083085	0.022526	0.033125	0.012971	0.016413	0.033061	0.02329	0.020911	0.002132	0.001276	0.001329
30804.5323	4026.8719	2046.8538	2938.59852	7775.09102	39920.1274	23555.8193	10883.4203	1646.89881	416.963919	1268.69008
103.174868	14.927089	8.570469	12.69187	26.347152	119.862306	74.205032	43.022944	6.777844	1.492263	3.806772
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29

0.033829	0.032659	0.030543	0.031179	0.027853	0.034081	0.027372	0.033723	0.02924	0.030338	0.027154
17066.4745	4627.17794	6659.4214	3004.661	3299.66408	7080.07392	4987.73726	4386.80506	475.28274	267.68798	273.151
91377.2238	25239.6376	37393.819	15568.1949	18071.9099	38872.761	27594.201	22971.1857	2555.45248	1703.46143	1738.91624
4.533033	3.706689	3.851877	1.368106	1.868146	3.441088	2.424933	2.149894	0.815754	0.701237	0.765604
4777.40289	648.081559	313.90211	471.895961	1211.23524	6098.16994	3594.05521	1741.54297	250.05553	58.504096	164.617359
21070.24	21095.76	20692.08	23825.24	20749.5	21961.12	22113.66	21520.9	22972.06	21596.3	21215.82
56.037872	56.25536	56.228478	56.191603	56.38451	56.023265	56.412397	56.04401	56.304068	56.094285	56.425053
21808	21808	21344	24592	21344	22736	22736	22272	23664	22272	21808
58	58.154666	58	58	58	58	58	58	58	57.84935	58
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
50.819471	41.96061	43.248538	15.412063	21.034046	38.631681	27.224529	24.298657	9.443441	7.852928	8.364431
50.819471	41.96061	43.248538	15.412063	21.034046	38.631681	27.224529	24.298657	9.443441	7.852928	8.364431
109102.174	30121.8846	44394.868	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
133470.257	34527.4087	50190.392	21587.9708	26666.3046	58396.1697	39856.1112	33659.65	3257.36586	2134.02445	2172.01353
24368.0824	4405.52412	5795.5242	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
133470.257	34527.4087	50190.392	21587.9708	26666.3046	58396.1697	39856.1112	33659.65	3257.36586	2134.02445	2172.01353
254.69	188.84	172.22	102.34	130.26	229.37	174.8	113.48	127.71	107.94	94.89
78297.6422	26095.0127	42348.014	15730.4573	13718.8198	6266.97501	9177.64804	16613.9138	1433.78388	1569.69111	748.916153
95366.2185	29908.2907	47885.384	18161.2672	16864.09	7684.3306	11074.7129	20286.515	1521.70713	1694.52688	815.857812
38.561881	35.852814	38.940078	13.25908	14.635856	13.650676	11.967698	18.35792	4.96111	5.493126	2.980029
1304.71086	422.454228	673.69352	268.899568	221.725113	104.247158	147.964969	280.843198	23.912008	22.208714	11.522841
64.702695	61.733599	63.202774	60.876666	61.909018	65.156206	63.269927	61.474759	58.284787	65.290395	71.367466
52.324921	31.421329	20.181184	13.342722	19.188161	41.036597	27.826412	22.037607	8.686377	5.223231	8.564096
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
4.818936	1.310026	1.92125	0.752358	0.951956	1.917551	1.350867	1.212864	0.123676	0.073818	0.077127
24368.0824	4405.52412	5795.5242	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
24368.0824	4405.52412	5795.5242	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
507.209139	68.805771	33.326479	50.100431	128.594886	647.432841	381.57503	184.896801	26.547991	6.211285	17.477158
30804.5323	4026.8719	2046.8538	2938.59852	7775.09102	39920.1274	23555.8193	10883.4203	1646.89881	416.963919	1268.69008
16.8	5.84	10.46	4.14	3.45	2.4	3.25	4.11	0.64	0.45	0.33
-24368.082	-4405.5241	-5795.5242	-2918.915	-5172.3938	-12209.067	-7122.6438	-6162.3158	-176.68317	-147.36942	-154.40729
-119734.3	-34313.815	-53680.908	-21080.182	-22036.484	-19893.398	-18197.357	-26448.831	-1698.3903	-1841.8963	-970.2651
2.46	0.37	0.22	0.24	0.73	5.49	3.18	1.24	0.15	0.04	0.15
9026.9343	2222.8295	2841.3691	1274.5909	1684.3974	4293.1637	2844.3253	2004.8776	203.9867	135.1257	164.5869
0.62	0.32	0.41	0.07	0.11	0.18	0.1	0.1	0.08	0.02	

312.3994	161.2384	206.5867	35.2709	55.4257	90.6966	50.387	50.387	40.3096	10.0774	
109102.174	30121.8846	44394.868	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
109102.174	30121.8846	44394.868	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
91377.2238	25239.6376	37393.819	15568.1949	18071.9099	38872.761	27594.201	22971.1857	2555.45248	1703.46143	1738.91624
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
312.3994	161.2384	206.5867	35.2709	55.4257	90.6966	50.387	50.387	40.3096	10.0774	
109102.174	30121.8846	44394.868	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
17412.5512	4721.0086	6794.4622	3065.59	3366.5752	7223.6448	5088.8794	4475.7614	484.9206	273.1162	278.69
1.11	0.66			0.01				0.07		
10.837924	10.966922	11.010206	11.227435	11.247656	11.146562	11.180048	11.215706		11.138159	11.08526
0.746641	0.635293	0.602736	0.503905	0.488889	0.529961	0.518793	0.512378		0.517054	0.58629
0.722131	0.613425	0.579057	0.485909	0.470155	0.511477	0.500763	0.378416		0.446881	0.569743
969066.062	725504.867	519110.17	766488.926	669259.748	861201.152	829714.802	520840.279		645487.449	880985.623
3371.61915	2872.56523	2310.9445	3464.66157	2847.11353	2989.59558	3011.79805	2318.39738		2469.76017	2919.76044
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
0.0325	0.035957	0.03913	0.035683	0.03932	0.03579	0.036938	0.040468	0.035588	0.04039	0.029547
324547.835	279555.857	259576.33	255980.616	215653.099	247645.084	242980.728	180127.408		211558.327	261885.995
467761.622	400878.066	374248.79	368534.395	311399.688	358274.067	351903.586	258541.093		306599.124	378242.906
3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531		3.3531	3.3531
620892.464	534818.309	496595.48	489716.516	412565.943	473769.811	464846.432	344601.743		404732.235	501014.098
40379.58	40235.28	39249.6	45384.57	39241.83	41954.67	41904.72	31437.42		36777.63	40502.79
107.3925	107.29408	106.65652	107.03908	106.635407	107.027219	106.899795	81.868281		95.526311	107.720186
41736	41736	40848	47064	40848	43512	43512	42624	45288	42624	41736
111	111.296	111	111	111	111	111	111	111	110.711688	111
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
38.424442	38.998866	39.160892	39.900356	40.041055	39.655807	39.791728	39.955991		40.214217	39.340084
38.188847	38.633053	38.766163	39.495759	39.558019	39.216504	39.328499	39.464191		39.185313	39.016444
1151113.71	991316.865	923539.85	909495.149	768140.163	882250.443	865996.995	640073.827		764929.386	930047.636
1423894.71	997399.848	884371.67	674392.587	585514.962	763443.659	722428.75	492653.696		642312.985	827572.895
272781.007	6082.98379	-39168.175	-235102.56	-182625.2	-118806.78	-143568.24	-147420.13		-122616.4	-102474.74
1423894.71	997399.848	884371.67	674392.587	585514.962	763443.659	722428.75	492653.696		642312.985	827572.895
363.78	362.48	353.6	408.87	353.53	377.97	377.52	283.22		331.33	364.89
175344.985	257555.098	395492.8	134069.342	90234.9557	12015.2716	27345.3135	112142.328		101082.477	42262.2127
248714.155	315696.249	473377.37	147704.244	95909.5461	13228.298	29904.4431	123885.883		113898.841	47042.7117

34.357726	46.678707	57.565429	34.575491	32.931589	17.716307	23.546221	36.843957		37.183501	20.839639
4696.03393	6921.16756	10500.165	3562.55581	2357.30978	316.06951	719.70216	2987.08766		2677.14704	1133.34724
34.705944	30.653007	29.427364	24.822754	26.203535	27.285427	27.210808	24.95855		28.911119	30.043919
34.632346	30.171249	27.362865	23.837733	24.965048	27.257486	27.16348	23.57075		28.666031	29.997254
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
80.156643	68.27184	64.275407	53.935948	52.187239	56.774056	55.584801	42.004182		49.474997	63.241563
103139.854	-140040.86	-174848.72	-368903.63	-295347.08	-248250.87	-270574.27	-241572.73		-233197.94	-239362.55
103139.854	-140040.86	-174848.72	-368903.63	-295347.08	-248250.87	-270574.27	-241572.73		-233197.94	-239362.55
25442.8641	18680.7724	13153.185	19306.2862	16847.5942	21939.3605	21069.5398	13142.5183		16370.727	22645.4808
969066.062	725504.867	519110.17	766488.926	669259.748	861201.152	829714.802	520840.279		645487.449	880985.623
45.83	28.41	28.26	6.81	4.8	1.16	2.02	5.93		8.92	4.33
-272781.01	-6082.9838	39168.175	235102.562	182625.201	118806.784	143568.245	147420.131		122616.401	102474.74
-521495.16	-321779.23	-434209.19	87398.3176	86715.6553	105578.486	113663.802	23534.2483		8717.5592	55432.0287
216.84	213.34	171.74	308.9	274.95	341.97	334.54	205.48		245.61	314.87
							0.23177	1	0.101562	
101633.927	88314.9395	76441.194	87812.4585	80210.5746	104781.943	100279.734	61455.5091		80455.9995	107382.741
0.69	0.85	0.92	0.92	0.89	0.93	0.92	0.73		1.89	0.7
6702.66	8256.9	8936.88	8936.88	8645.46	9034.02	8936.88	7091.22		18359.46	6799.8
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
1088654.09	935696.376	870844.27	858250.911	723965.631	832043.878	816750.018	603142.836		711331.359	879257.004
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
6702.66	8256.9	8936.88	8936.88	8645.46	9034.02	8936.88	7091.22		18359.46	6799.8
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
55756.9613	47363.589	43758.698	42307.3577	35529.0724	41172.5455	40310.0977	29839.7711		35238.5669	43990.8318
61.37	101.64	130.46	75.81	56.6	11.61	20.67	56.71		53.38	36.33

0.022313	0.025265	0.035706	0.030801	0.032119	0.036734	0.031096	0.026354	0.026691	0.031484	0.03718

1102.83	1099.5	1064.58	1232.82	1068.54	1132.8	1139.43	1121.64	1191.33	1115.73	1086.06
2.933058	2.932	2.89288	2.907594	2.903641	2.889795	2.906709	2.920937	2.919926	2.898	2.888457
1128	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

11.31802	11.388572	11.461348	11.741977	11.70331	11.582657	11.587308	11.804887	11.540269	11.499687	11.474291
0.812092	0.764268	0.718723	0.595013	0.617224	0.653212	0.665946	0.590526	0.682744	0.705059	0.722647
0.771543	0.728302	0.683025	0.359567	0.591461	0.625638	0.633226	0.493546	0.65175	0.672071	0.603946
371453.755	352455.318	326301.42	201908.221	289193.804	323520.601	326716.089	250834.395	348660.775	337251.146	293870.962
1302.08649	1410.05218	1466.094	916.007635	1235.69272	1126.39455	1194.88373	1161.42572	1548.98259	1308.22921	972.203241
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
0.050877	0.047739	0.051195	0.05158	0.042989	0.042882	0.046887	0.0475	0.045269	0.045286	0.043563
140022.624	133229.094	123131.46	76233.7519	109015.154	121846.57	123016.411	94955.4169	131291.79	126904.637	110756.622
201535.547	190894.418	177353.7	109690.886	157371.284	176030.263	177777.737	136145.962	189682.793	183501.775	159590.152
2.5466	2.5466	2.5466	2.546599	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466
154949.036	147431.316	136257.27	84360.2698	120636.169	134835.414	136129.96	105077.664	145287.494	140432.671	122563.278
15345.41	15396.15	15013.88	11001.98	15143.74	16133.17	16026.1	13780.21	16749.79	15725.96	13512.75
40.81226	41.0564	40.798586	25.948066	41.151467	41.156045	40.882908	35.885963	41.053406	40.846649	35.938164
16168	16168	15824	18232	15824	16856	16856	16512	17544	16512	16168
43	43.114666	43	43	43	43	43	43	43	42.888311	43
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
30.58598	30.775173	31.013622	32.668691	31.619928	31.286119	31.358951	32.764797	31.177186	31.001682	31.502707
30.020377	30.220693	30.388842	31.101087	30.995897	30.685793	30.696912	31.273576	30.574549	30.469258	30.419491
377555.774	358221.65	332586.74	210950.835	294571.862	329382.384	333154.441	261909.714	355129.811	342632.455	303240.205
561194.287	433344.053	384963.89	190719.841	278964.46	346708.16	339074.209	237523.026	353032.095	352653.383	325276.362
183638.513	75122.4034	52377.149	-20230.994	-15607.402	17325.7761	5919.76835	-24386.688	-2097.7168	10020.9282	22036.1572
561194.287	433344.053	384963.89	190719.841	278964.46	346708.16	339074.209	237523.026	353032.095	352653.383	325276.362
356.87	358.05	349.16	255.86	352.18	375.19	372.7	320.47	389.53	365.72	314.25
	0.643867	279.38953	9.702453	44.796757			168.559713	30.684963		
	0.601375	356.50066	10.17867	48.077675			181.126626	33.547711		
	0.0102	2.22207	0.192391	0.783477			2.230257	0.557243		
	0.020401	9.722773	0.336247	1.532369			5.656218	1.075782		
41.042634	29.863524	28.281462	25.651854	25.040667	27.084767	27.121755	25.545585	27.793024	27.27619	25.727247
12.31279	10.152532	17.730377	14.103637	8.735569	9.479668	7.865308	18.27863	26.124149	18.002285	4.888176
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
33.176356	31.400506	29.370108	15.461415	25.432853	26.902474	27.228724	21.2225	28.025269	28.824025	25.969707
110448.687	5483.5558	-11983.664	-60078.376	-72589.623	-46363.426	-58380.91	-74019.885	-70723.935	-56312.125	-35856.329
110448.687	5483.5558	-11983.664	-60078.376	-72589.623	-46363.426	-58380.91	-74019.885	-70723.935	-56312.125	-35856.329

12474.31	11775.1696	10798.477	6555.30375	9357.75763	10545.77	10673.66	8143.78378	11433.2342	11097.25	9764.61
371453.755	352455.318	326301.42	201908.221	289193.804	323520.601	326716.089	250834.395	348660.775	337251.146	293870.962
-183638.51	-75122.403	-52377.149	20230.994	15607.4023	-17325.776	-5919.7683	24386.6883	2097.71682	-10020.928	-22036.157
-183638.51	-75123.005	-52733.65	20220.8153	15559.3247	-17325.776	-5919.7683	24205.5617	2064.16911	-10020.928	-22036.157
3.16	3.88	3.87	9.08	3.23	3.67	3.34	15.17	57.09	9.94	2.41
			0.35849			0.002551	0.122395		0.002604	0.125
97908.7412	86309.9755	74440.282	51758.8491	79212.4829	103054.853	98126.5598	64284.9652	84796.4795	90881.3179	88268.237
1.27	1.2	1.25	1.88	1.11	1.22	1.34	2.27	1.34	1.12	1.95
6102.0198	5765.688	6005.925	9032.9112	5333.2614	5861.7828	6438.3516	10906.7598	6438.3516	5381.3088	9369.243
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
356484.583	338325.734	313610.97	194051.156	278007.453	310865.677	313907.697	241223.627	334970.288	323934.446	282153.43
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
6102.0198	5765.688	6005.925	9032.9112	5333.2614	5861.7828	6438.3516	10906.7598	6438.3516	5381.3088	9369.243
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
14969.172	14130.228	12969.84	7866.768	11231.148	12654.924	12808.392	9779.328	13721.172	13316.7	11717.532
		0.09					0.06	0.03		
0.036861	0.02093	0.0325	0.025188	0.040434	0.043239	0.019081	0.019192	0.035808	0.026484	0.017925
1086.42	1104.39	1068.12	1239.96	1059.36	1125.15	1153.56	1129.89	1180.17	1121.49	1107.78
2.889414	2.94504	2.9025	2.924433	2.878695	2.87028	2.942755	2.942421	2.892573	2.912961	2.946223
1128	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

10.150742	5.338327	3.50375	2.248434	3.099823	5.795614	2.9641	3.95252	0.14	0.14
0.026327	0.003575	0.003488	0.002317	0.004858	0.011538	0.005935	0.006119	0.000019	0.000042
0.025696	0.003478	0.003369	0.002283	0.004782	0.011255	0.005795	0.005906	0.000019	0.000042
2767.69364	109.080621	53.652712	73.360546	1300.88684	9757.20017	2322.14113	1295.70755	0.867172	

9.160101	0.411858	0.211987	0.314229	4.085773	28.61446	7.082022	5.008655	0.003277		
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
0.030106	0.028643	0.03269	0.024882	0.029361	0.028545	0.030637	0.034921	0.026973	0.029895	0.035013
6853.1	921	869.2	683.6	1251.2	3137	1610.8	1608.6	5.6		11.2
32427.0648	4441.64384	4828.0779	3384.22596	7036.65649	17165.7023	9110.57286	8526.5799	19.226703		57.522573
3.564389	1.916702	1.392892	0.834819	1.196475	2.231481	1.141502	1.446108	0.034333		0.051359
579.163819	25.93802	11.895406	12.393948	234.094022	1753.01273	407.191017	246.104224	0.252573		
18283.5	18289.7	17730.7	20725.6	17927.1	19034.5	18981.2	18520.2	19793.5	18605	18104.4
48.626329	48.772533	48.18125	48.881132	48.714945	48.557397	48.421428	48.229687	48.51348	48.324675	48.15
18800	18800	18400	21200	18400	19600	19600	19200	20400	19200	18800
50	50.133333	50	50	50	50	50	50	50	49.870129	50
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
73.052076	32.652794	20.611625	15.599716	23.689309	54.467081	29.652605	34.115759	0.480667		0.719032
51.12806	26.979986	19.662083	11.765172	16.949222	31.643041	16.195723	20.445475	0.480667		0.719032
32598.6838	4455.10384	4850.6139	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
39213.6808	5121.76431	5210.6524	3788.46342	8469.63345	20549.1411	10667.8247	9920.70584	19.967759		63.13696
6614.99694	666.660461	360.03858	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
39213.6808	5121.76431	5210.6524	3788.46342	8469.63345	20549.1411	10667.8247	9920.70584	19.967759		63.13696
288.02	211.79	166.17	152.37	184.01	334.82	242.13	170.09	148.69	108.6	108.09
29830.9902	4346.02322	4796.9611	3335.16942	5755.53165	7447.18715	6813.81472	7245.95935	18.35953		57.522573
35858.9627	5006.42465	5151.9157	3714.73745	6887.48847	8734.74583	7908.11056	8427.47363	19.067163		63.13696
15.021695	7.820014	4.993791	3.355381	4.265023	6.439086	4.136097	5.595924	0.381959		0.4
441.851613	63.547284	61.150328	47.514717	71.51131	96.563863	84.60091	95.832263	0.381959		0.8
70.709627	62.995504	64.739537	83.435064	78.897104	82.7108	78.27494	77.189816	48.066757		
31.112236	4.409685	0.647395	1.668701	10.256623	32.257212	14.051905	11.578472	0.480667		
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
1.28484	0.1744	0.168478	0.11415	0.23913	0.562755	0.289795	0.295312	0.00098		0.002127
6614.99694	666.660461	360.03858	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
6614.99694	666.660461	360.03858	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
41.248386	1.852715	0.849671	0.885282	16.488689	124.036136	28.999089	17.567736	0.01804		
2767.69364	109.080621	53.652712	73.360546	1300.88684	9757.20017	2322.14113	1295.70755	0.867172		
6.59	0.92	0.95	0.81	1.09	2.05	1.51	1.45	0.01		0.01
-6614.9969	-666.66046	-360.03858	-379.93346	-1413.215	-3344.7538	-1531.8688	-1379.0389	-0.741056		-5.614386
-42473.96	-5673.0851	-5511.9543	-4094.6709	-8300.7034	-12079.5	-9439.9794	-9806.5126	-19.80822		-68.751347
0.19	0.01	0.01	0.01	0.18	1.15	0.09	0.09			

4166.4876	458.5224	372.8956	313.047	770.9592	2247.39	1045.8563	858.1609	2.646		6.7223
0.21	0.02	0.04	0.03	0.02	0.03	0.02	0.01			
130.656	10.994	21.988	21.564	10.994	16.491	16.067	5.497			
32598.6838	4455.10384	4850.6139	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
32598.6838	4455.10384	4850.6139	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
32427.0648	4441.64384	4828.0779	3384.22596	7036.65649	17165.7023	9110.57286	8526.5799	19.226703		57.522573
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
130.656	10.994	21.988	21.564	10.994	16.491	16.067	5.497			
32598.6838	4455.10384	4850.6139	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
40.963	2.466	0.548	2.74	8.768	22.194	9.316	9.59			
0.09	0.05									

0.033696	0.031489	0.022173	0.032429	0.034728	0.036173	0.034005	0.028906	0.022058	0.024557	0.027819

1453.32	1456.64	1439.36	1641	1420.88	1511.28	1514.68	1491.6	1596	1498.28	1462.16
3.865212	3.884373	3.911304	3.870283	3.861086	3.855306	3.863979	3.884375	3.911764	3.891636	3.888723
1504	1504	1472	1696	1472	1568	1568	1536	1632	1536	1504
4	4.010666	4	4	4	4	4	4	4	3.98961	4

10.26646	10.358763	10.395121	10.684175	10.666309	10.534016	10.568171	10.689997	10.506918	10.537042	10.502777
0.667566	0.550521	0.509104	0.334404	0.357347	0.403804	0.401373	0.375156	0.427318	0.42155	0.485088
0.634502	0.521019	0.478411	0.231914	0.339656	0.379867	0.37888	0.353088	0.402335	0.400863	0.454636
485428.658	398031.078	333175.93	205002.894	264797.05	314194.718	313571.775	279362.381	332957.965	322896.477	354733.434
1698.81787	1579.06646	1486.4518	929.382042	1111.59586	1071.41829	1127.31193	1266.07674	1470.34306	1243.98204	1176.19474
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
0.052845	0.056888	0.062228	0.063962	0.050271	0.061301	0.059974	0.058489	0.058897	0.050885	0.063829
141758.694	117742.793	106317.64	60889.2925	77690.9277	91492.8345	91298.4669	83887.5619	100321.709	94272.6372	103518.799
204380.234	168396.997	153426.31	87883.2241	112699.768	132736.071	132620.531	120193.832	145778.345	136918.762	149344.972
3.3652	3.3652	3.3652	3.365199	3.365199	3.365199	3.365199	3.365199	3.3652	3.365199	3.365199
272913.838	226678.426	204682.73	117224.066	149570.574	176142.005	175767.809	161500.334	193139.354	181493.681	199294.391

20869.218	20780.146	20167.776	17156.322	20480.7	21563.042	21593.514	21186.244	22500.642	21357.356	20627.2
55.503239	55.413722	54.803739	40.463023	55.654076	55.00776	55.085494	55.17251	55.148632	55.473651	54.859574
22033.6	22033.6	21564.8	24846.4	21564.8	22971.2	22971.2	22502.4	23908.8	22502.4	22033.6
58.599999	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
37.738944	38.802579	39.618544	47.040806	40.914408	40.484744	40.06361	41.202176	40.163417	40.23583	39.797458
35.155607	35.483249	35.590058	36.561751	36.496919	36.048703	36.16349	36.590952	35.955123	36.055132	35.951173
512848.787	430412.62	396877.95	257662.62	294854.844	346240.656	342031.819	317272.781	380312.528	355736.631	385481.864
677385.836	466203.853	409986.79	185129.354	244079.614	326511.964	313669.593	263648.489	330308.222	316854.209	365214.443
164537.049	35791.2325	13108.845	-72533.267	-50775.23	-19728.692	-28362.226	-53624.292	-50004.306	-38882.422	-20267.421
677385.836	466203.853	409986.79	185129.354	244079.614	326511.964	313669.593	263648.489	330308.222	316854.209	365214.443
356.13	354.61	343.97	292.77	349.5	367.97	368.49	361.54	383.97	364.46	352
393.435793	4047.10661	31226.392	3619.35637	1941.31486	6.229461	125.608271	7178.43491	11827.5388	1018.40227	16.465545
573.793938	4947.57686	39816.821	4160.21209	2063.6032	5.760396	127.896815	8087.89332	13636.0687	1143.55983	17.506415
2.814184	9.820205	19.134608	9.360755	6.678558	0.154724	2.313118	11.591119	14.161665	5.064375	0.442281
11.253511	117.906338	905.99524	104.949892	53.854091	0.154724	3.308453	207.692905	340.460367	28.988851	0.442281
42.097407	32.87267	32.286942	27.752726	26.833185	28.216206	28.695161	23.447417	27.473579	27.105716	31.61696
36.605263	32.420418	30.916288	24.779237	24.705316	26.240989	25.525517	23.209823	27.432544	27.091485	30.333634
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
37.181819	30.613162	28.034929	13.590165	19.90388	22.260255	22.202423	20.690958	23.576848	23.429579	26.64168
90439.78	-25752.926	-42463.388	-104360.1	-91384.278	-67551.997	-76083.934	-97472.32	-102442.46	-88158.729	-74376.698
90439.78	-25752.926	-42463.388	-104360.1	-91384.278	-67551.997	-76083.934	-97472.32	-102442.46	-88158.729	-74376.698
13969.1105	11362.0297	9410.8588	5657.28011	7270.77391	8725.86528	8700.04155	7737.63509	9278.89363	8991.39915	10016.8297
485428.658	398031.078	333175.93	205002.894	264797.05	314194.718	313571.775	279362.381	332957.965	322896.477	354733.434
0.11	0.09	0.66	0.01	0.02		0.01	0.17	1.45	0.06	
-164537.05	-35791.232	-13108.845	72533.2668	50775.2299	19728.6922	28362.2257	53624.2916	50004.306	38882.4217	20267.4215
-165110.84	-40738.809	-52925.666	68373.0547	48711.6267	19722.9318	28234.3289	45536.3983	36368.2373	37738.8619	20249.915
16.26	19.12	16.93	14.79	20.87	20.32	21.9	86.59	324.94	63.45	16.87
		0.002717	0.261792							
93139.023	80488.044	69048.12	52885.6031	74723.3644	94585.4185	91246.5534	71941.1899	78249.7475	84374.136	94803.3577
1.24	1.3	1.49	2.25	1.29	1.47	1.3	1.41	1.63	1.46	1.41
27026.6928	28334.436	32475.623	49040.37	28116.4788	32039.7084	28334.436	30731.9652	35527.0236	31821.7512	30731.9652
586946.056	491956.778	452450.18	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
586946.056	491956.778	452450.18	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
477294.072	395075.423	358109.04	205107.29	262270.342	308878.076	308388.34	281694.166	338917.698	318412.443	348639.363

13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
27026.6928	28334.436	32475.623	49040.37	28116.4788	32039.7084	28334.436	30731.9652	35527.0236	31821.7512	30731.9652
586946.056	491956.778	452450.18	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
8528.02204	7002.76096	6293.2809	3514.9603	4468.02308	5322.8722	5309.0435	4846.65008	5867.80594	5502.43668	6110.53592
0.28	0.91	3.47	0.81	0.26	0.01	0.21	3.3	18.11	1.05	0.05
7.35	3.75	2.4	0.9	2.25	5.25	2.7	3.15			0.15
0.020074	0.002278	0.001834	0.001353	0.003837	0.009204	0.00462	0.004886			0.000028
0.019414	0.002127	0.001739	0.001273	0.003722	0.00875	0.004464	0.004843			0.000026
358.49846				227.155196	1366.85989	219.250401	162.943827			
1.167703				0.706715	3.996451	0.687817	0.643883			
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
0.03242	0.033218	0.031956	0.037948	0.024184	0.027627	0.02954	0.033697	0.03424	0.030468	0.017898
1533	168	134.4	113.4	287.7	720.3	367.5	390.6			2.1
7133.89355	800.738814	751.47107	546.990591	1628.03876	3911.21158	2086.46515	2070.21557			10.785482
2.363799	1.303338	0.896557	0.292742	0.84045	1.881672	0.975654	1.107957			0.051359
75.141797				41.553609	247.162174	39.159355	32.1235			
5093.34	5089.14	4987.36	5710.74	5027.4	5336.38	5325.88	5194.84	5516.42	5212.2	5169.78
13.546117	13.57104	13.552608	13.468726	13.661413	13.613214	13.586428	13.528229	13.520637	13.538181	13.749414
5264	5264	5152	5936	5152	5488	5488	5376	5712	5376	5264
14	14.037333	14	14	14	14	14	14	14	13.963636	14
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
36.326806	19.550071	13.448368	4.516142	12.606753	28.657782	14.759815	16.619362			0.770391
36.326806	19.550071	13.448368	4.516142	12.606753	28.657782	14.759815	16.619362			0.770391
7228.39355	800.738814	751.47107	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
8470.34424	935.585305	800.64938	626.293013	1939.13077	4575.67268	2416.79765	2369.05471			11.857774
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146			1.072291
8470.34424	935.585305	800.64938	626.293013	1939.13077	4575.67268	2416.79765	2369.05471			11.857774
138.46	117.89	92.16	85.32	115.81	179.1	132.12	100.21	83.85	57.08	58.79
6869.89509	800.738814	751.47107	567.990591	1400.88356	2565.35169	1877.71475	1907.27174			10.785482
8046.7544	935.585305	800.64938	626.293013	1664.4311	2965.80294	2164.05452	2194.36724			11.857774
6.760112	3.5	2.24	0.84	1.953109	4.214566	2.354571	2.902625			0.14
97.190546	11.2	8.96	7.56	16.409759	31.542521	21.889376	23.898433			0.14
76.812844				80.916924	84.290517	87.594052	79.790857			
11.521926				4.045846	20.229724	7.883464	7.181177			

102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
0.271808	0.029866	0.024347	0.01783	0.052119	0.1225	0.0625	0.067812			0.000372
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146			1.072291
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146			1.072291
5.009453				2.77024	16.477478	2.610623	2.141566			
358.49846				227.155196	1366.85989	219.250401	162.943827			
4.4	0.56	0.6	0.34	0.69	1.46	0.99	1.07			0.01
-1241.9507	-134.84649	-49.178302	-58.302421	-311.09201	-643.4611	-319.8325	-298.83915			-1.072291
-9288.7051	-1070.4318	-849.82768	-684.59544	-1975.5231	-3609.264	-2483.887	-2493.2064			-12.930065
0.2				0.08	0.51	0.11	0.1			
2125.2341	205.72	151.0461	124.4115	395.9348	1143.4646	550.7724	473.7149			3.3693
0.09			0.02		0.02	0.01				
94.5			21		21	10.5				
7228.39355	800.738814	751.47107	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
7228.39355	800.738814	751.47107	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
7133.89355	800.738814	751.47107	546.990591	1628.03876	3911.21158	2086.46515	2070.21557			10.785482
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
94.5			21		21	10.5				
7228.39355	800.738814	751.47107	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
0.03	0.06									

10.80578	10.919115	10.961858	11.218524	11.236384	11.118352	11.143572	11.22045	11.070008	11.098132	11.034954
0.443834	0.372184	0.352032	0.25924	0.27908	0.307585	0.302246	0.265425	0.210149	0.298267	0.332858
0.427377	0.358074	0.337222	0.228471	0.269047	0.295667	0.290708	0.232889	0.140906	0.278037	0.315806
1859879.2	1480127.21	1180688	1176412	1232553.73	1549960.66	1496099.88	1063379.13	683266.506	1306052.04	1530858.71
6486.02618	5877.02282	5272.2728	5323.05734	5225.54175	5339.88164	5415.96858	4794.57532	3026.10678	5023.46368	5071.96519
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
0.03483	0.033916	0.037008	0.035242	0.033636	0.036876	0.034318	0.035845	0.033478	0.034062	0.033186
631781.728	536243.922	496688.45	396905.321	407197.744	471921.863	464261.644	365356.391	232094.381	433003.288	476447.867
1004615.58	790651.502	748002.18	585607.916	608207.345	726990.076	701093.093	548448.868	338035.817	628723.122	688985.254
3.239306	3.173129	3.186165	3.214618	3.161462	3.191474	3.168554	3.174655	2.901046	3.120226	3.168286
1048755.34	908928.051	837535.48	691300.852	682772.686	784747.23	776744.201	611179.742	338426.848	726658.587	822871.767
5431.7085	674.01958	325.79752	484.289909	1486.88287	8098.34484	4040.40558	2019.7707	250.308104	58.504096	164.617359
132910.533	132738.956	129393.08	137180.357	130238.625	138301.212	138296.444	123710.869	100436.462	131347.546	130994.04
353.48546	353.970549	351.61163	323.538577	353.909307	352.809214	352.797051	322.163721	246.167799	341.162457	348.388404

138029.6	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6
367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
266.947723	202.740095	187.10159	155.137776	169.905502	233.183217	182.85124	188.956744	81.264714	119.304659	120.494104
36.612131	36.139617	36.449851	37.65018	37.011374	37.024775	36.804432	37.10627	33.044616	36.004427	36.390992
2190447.52	1815328.86	1703001.5	1400754.18	1387745.24	1625197.18	1585149.64	1257365.54	738542.249	1465285.13	1620855.62
2843629.12	1937532.51	1735524	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
653181.6	122203.651	32522.56	-324509.67	-242111.13	-105012.42	-157036.36	-217590.92	-51924.599	-151330.52	-100544.91
2843629.12	1937532.51	1735524	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
1766.71	1599.02	1480.72	1310.83	1494.73	1870.6	1675.52	1364.11	1137.33	1337.75	1300.43
290736.948	292844.623	474895.03	157332.019	113096.302	28301.0149	45340.0993	145256.467	13310.3672	103670.571	43095.9024
388559.885	356494.728	567388.64	174376.933	123437.237	32618.9378	51179.2179	163063.259	15210.3907	116736.928	47951.0707
16.076756	15.928851	18.584252	9.276925	9.358948	6.944921	6.921972	11.873961	5.015494	11.93525	4.133658
6551.04046	7536.29581	12159.687	3991.81623	2722.34243	548.577777	977.465869	3601.01068	365.830117	2728.34461	1146.25237
46.931695	36.133823	32.709062	27.968594	31.317875	41.77189	35.253284	29.306123	29.289746	28.55134	31.997428
46.886372	35.900288	31.615871	27.392604	30.605979	41.759404	35.216229	28.473301	29.252729	28.453581	31.966034
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
156.890404	131.799802	123.79452	83.871867	98.767179	108.539591	106.719112	85.49363	51.726774	101.80242	115.932579
336253.351	-155103.2	-223091.03	-529984.96	-452424.28	-345969.01	-396064.77	-405224.74	-172988.97	-377521.42	-349434.48
336253.351	-155103.2	-223091.03	-529984.96	-452424.28	-345969.01	-396064.77	-405224.74	-172988.97	-377521.42	-349434.48
52439.7515	41888.6302	33396.697	31569.8558	33623.9796	41998.9422	40856.4261	29228.5433	20738.6939	36465.5874	42444.3976
1859879.2	1480127.21	1180688	1176412	1232553.73	1549960.66	1496099.88	1063379.13	683266.506	1306052.04	1530858.71
73.73	35.82	40.93	12.11	10.05	7.07	7.78	12.73	2.1	9.43	4.68
-653181.6	-122203.65	-32522.56	324509.672	242111.133	105012.418	157036.357	217590.917	51924.5986	151330.525	100544.911
-1041741.5	-478698.38	-599911.2	150132.739	118673.896	72393.4804	105857.139	54527.6584	36714.2079	34593.5966	52593.8401
239.11	236.72	192.77	333.02	300.04	373.11	363.16	308.67	382.18	319.04	334.3
		0.000247	0.056389			0.000231	0.032196	0.090909	0.009469	0.011363
308000.347	258000.031	223294.91	194168.96	236997.713	310106.233	294093.801	201018.418	163252.86	255846.579	290629.014
4.12	3.69	4.11	5.17	3.42	3.85	3.69	4.52	3.05	4.49	4.06
40368.928	42529.2564	47647.003	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
2507375.77	2092635.71	1958615.1	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19
2507375.77	2092635.71	1958615.1	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19
2053370.92	1699579.55	1585537.7	1276908.77	1290980.03	1511737.31	1477837.29	1159628.61	676462.665	1355381.71	1511857.02
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
40368.928	42529.2564	47647.003	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082

2507375.77	2092635.71	1958615.1	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19
96707.6695	73220.0526	69816.829	56757.416	54603.5867	66396.1805	63525.7286	48951.1006	20073.8985	54330.8198	62097.5897
62.88	103.32	134.02	76.62	56.87	11.62	20.88	60.07	18.21	54.43	36.38
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
553218.956	406220.696	218314.52	445638.435	483547.112	1091542.37	956204.011	484158.446	845261.002	683237.324	935543.229
1903.86883	1602.07816	964.45068	1998.14065	1992.30891	3757.08957	3445.66636	2149.89064	3667.29808	2641.68708	3080.32217
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
107664.084	94188.5193	82068.196	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
553218.956	406220.696	218314.52	445638.435	483547.112	1091542.37	956204.011	484158.446	845261.002	683237.324	935543.229
237.58	235.47	191.28	333.53	299.5	372.76	362.65	309.85	386.78	319.13	333.9
202.120986	167.898015	137.76558	160.916383	193.477175	245.004983	229.077827	190.62132	190.814269	192.785005	230.312011
78.125335	66.482349	50.267094	64.35758	69.146325	113.420817	105.97083	74.963028	87.142688	84.492235	104.919898
20018.7389	16335.3526	9950.0196	21792.6688	21037.179	42475.3736	38722.6981	23633.9307	33884.5716	27343.0672	35814.1316
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
-286.34065	-251.16938	-223.0114	-220.94785	-234.04491	-285.39066	-273.61721	-219.76223	-226.5617	-257.1856	-300.96016
-4482385.1	-3206349.8	-2627027.2	-2363537.3	-2330055.2	-3357191.2	-3117283.8	-2147966.2	-2579626.1	-2917877.5	-3475781.9
-41.586866	-34.050556	-32.011562	-25.236005	-27.065487	-29.999377	-29.062016	-25.465255	-27.912033	-29.473058	-30.731738
-4482385.1	-3206349.8	-2627027.2	-2363537.3	-2330055.2	-3357191.2	-3117283.8	-2147966.2	-2579626.1	-2917877.5	-3475781.9
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
5035604.09	3612570.54	2845341.7	2809175.69	2813602.34	4448733.57	4073487.81	2632124.68	3424887.09	3601114.86	4411325.14
107664.084	94188.5193	82068.196	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
553218.956	406220.696	218314.52	445638.435	483547.112	1091542.37	956204.011	484158.446	845261.002	683237.324	935543.229
1903.86883	1602.07816	964.45068	1998.14065	1992.30891	3757.08957	3445.66636	2149.89064	3667.29808	2641.68708	3080.32217
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
107664.084	94188.5193	82068.196	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
553218.956	406220.696	218314.52	445638.435	483547.112	1091542.37	956204.011	484158.446	845261.002	683237.324	935543.229
237.58	235.47	191.28	333.53	299.5	372.76	362.65	309.85	386.78	319.13	333.9
202.120986	167.898015	137.76558	160.916383	193.477175	245.004983	229.077827	190.62132	190.814269	192.785005	230.312011

78.125335	66.482349	50.267094	64.35758	69.146325	113.420817	105.97083	74.963028	87.142688	84.492235	104.919898
20018.7389	16335.3526	9950.0196	21792.6688	21037.179	42475.3736	38722.6981	23633.9307	33884.5716	27343.0672	35814.1316
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
-286.34065	-251.16938	-223.0114	-220.94785	-234.04491	-285.39066	-273.61721	-219.76223	-226.5617	-257.1856	-300.96016
-4482385.1	-3206349.8	-2627027.2	-2363537.3	-2330055.2	-3357191.2	-3117283.8	-2147966.2	-2579626.1	-2917877.5	-3475781.9
-41.586866	-34.050556	-32.011562	-25.236005	-27.065487	-29.999377	-29.062016	-25.465255	-27.912033	-29.473058	-30.731738
-4482385.1	-3206349.8	-2627027.2	-2363537.3	-2330055.2	-3357191.2	-3117283.8	-2147966.2	-2579626.1	-2917877.5	-3475781.9
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
5035604.09	3612570.54	2845341.7	2809175.69	2813602.34	4448733.57	4073487.81	2632124.68	3424887.09	3601114.86	4411325.14
107664.084	94188.5193	82068.196	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91

4256.37233	3881.90602	4169.0327	4743.21038	3624.57359	3029.80158	3306.93778	3818.16176	4910.9005	4350.52619	4233.82378
177971.146	131517.711	135130.26	119595.673	94670.1222	82496.2526	91425.792	94100.8085	137786.584	127998.71	128192.268

44.298984	27.205317	19.652754	25.60661	20.987765	29.799483	19.835861	27.085943	26.718172	24.947915	27.431565
1.328969	0.816159	1.179165	4.609189	1.679021	1.489974	0.396717	5.958907	10.687268	3.243229	2.46884
4256.37233	3881.90602	4169.0327	4743.21038	3624.57359	3029.80158	3306.93778	3818.16176	4910.9005	4350.52619	4233.82378
11.320139	10.351749	11.328893	11.186816	9.849384	7.729085	8.436065	9.943129	12.03652	11.300068	11.260169
177971.146	131517.711	135130.26	119595.673	94670.1222	82496.2526	91425.792	94100.8085	137786.584	127998.71	128192.268
177971.146	131517.711	135130.26	119595.673	94670.1222	82496.2526	91425.792	94100.8085	137786.584	127998.71	128192.268
4256.37233	3881.90602	4169.0327	4743.21038	3624.57359	3029.80158	3306.93778	3818.16176	4910.9005	4350.52619	4233.82378

-177971.15	-131517.71	-135130.26	-119595.67	-94670.122	-82496.253	-91425.792	-94100.809	-137786.58	-127998.71	-128192.27
-177971.15	-131517.71	-135130.26	-119595.67	-94670.122	-82496.253	-91425.792	-94100.809	-137786.58	-127998.71	-128192.27

0.28	0.12	0.28	2.25	1.04	0.2	0.18	2.36	5.51	1.1	0.62
105582.991	91569.2654	82068.196	93681.8887	86128.5279	111873.141	107257.945	81292.8678	92437.1748	99016.4555	110045.776
4256.37233	3881.90602	4169.0327	4743.21038	3624.57359	3029.80158	3306.93778	3818.16176	4910.9005	4350.52619	4233.82378
4256.37233	3881.90602	4169.0327	4743.21038	3624.57359	3029.80158	3306.93778	3818.16176	4910.9005	4350.52619	4233.82378
177971.146	131517.711	135130.26	119595.673	94670.1222	82496.2526	91425.792	94100.8085	137786.584	127998.71	128192.268
177971.146	131517.711	135130.26	119595.673	94670.1222	82496.2526	91425.792	94100.8085	137786.584	127998.71	128192.268
395560.102	404618.484	435291.17	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	379520.215
1388.98366	1626.30837	1963.1576	2083.42097	1416.18622	977.781501	990.954742	1540.64429	1748.22112	1485.40577	1268.53337
7703.21524	7879.61994	8476.9459	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
319198.631	264884.6	268482.5	223273.137	164750.906	153495.614	147496.496	161182.961	212216.814	216122.819	225758.812
7703.21524	7879.61994	8476.9459	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
20.487274	21.012319	23.035179	21.039646	17.162576	13.632166	13.29091	16.853957	18.747421	19.254762	19.709137
-76361.472	-139733.88	-166808.68	-234810.47	-159566.86	-120908.99	-120038.9	-171150.12	-180556.67	-164539.03	-154816.09
-76361.472	-139733.88	-166808.68	-234810.47	-159566.86	-120908.99	-120038.9	-171150.12	-180556.67	-164539.03	-154816.09
7703.21524	7879.61994	8476.9459	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7390.45324
395560.102	404618.484	435291.17	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	379520.215
76361.472	139733.884	166808.68	234810.473	159566.862	120908.993	120038.903	171150.124	180556.666	164539.031	154816.091
76361.472	139733.884	166808.68	234810.473	159566.862	120908.993	120038.903	171150.124	180556.666	164539.031	154816.091
107664.084	94188.5193	82068.196	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
395560.102	404618.484	435291.17	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
395560.102	404618.484	435291.17	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
7703.21524	7879.61994	8476.9459	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
395560.102	404618.484	435291.17	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
395560.102	404618.484	435291.17	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
7703.21524	7879.61994	8476.9459	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
319198.631	264884.6	268482.5	223273.137	164750.906	153495.614	147496.496	161182.961	212216.814	216122.819	225758.812
-76361.472	-139733.88	-166808.68	-234810.47	-159566.86	-120908.99	-120038.9	-171150.12	-180556.67	-164539.03	-154816.09
395560.102	404618.484	435291.17	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
375168.294	383831.422	412515.1	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	360113.606
1317.35482	1542.80786	1860.3004	1975.67961	1345.74332	926.086143	939.119311	1462.51328	1659.62672	1409.08364	1203.74758
8654.40124	8854.24272	9515.9193	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
358612.218	297632.714	301455.15	250823.662	185298.353	172314.202	165607.396	181201.801	238621.521	242835.347	253739.47

										32.624994
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8654.40124	8854.24272	9515.9193	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
23.017024	23.611313	25.858476	23.633943	19.316303	15.295104	14.920575	18.950565	21.079292	21.635677	22.152953
-16556.076	-86198.708	-111059.95	-183577.67	-122850.78	-87598.573	-87940.93	-134256.89	-134203.71	-118258.7	-107378.03
-16556.076	-86198.708	-111059.95	-183577.67	-122850.78	-87598.573	-87940.93	-134256.89	-134203.71	-118258.7	-107378.03
8654.40124	8854.24272	9515.9193	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8306.76442
375168.294	383831.422	412515.1	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	360113.606
16556.0759	86198.7079	111059.95	183577.667	122850.781	87598.5734	87940.9304	134256.886	134203.712	118258.705	107378.026
16556.0759	86198.7079	111059.95	183577.667	122850.781	87598.5734	87940.9304	134256.886	134203.712	118258.705	107378.026
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107664.084	94188.5193	82068.196	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
375168.294	383831.422	412515.1	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
375168.294	383831.422	412515.1	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
8654.40124	8854.24272	9515.9193	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
375168.294	383831.422	412515.1	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
375168.294	383831.422	412515.1	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
8654.40124	8854.24272	9515.9193	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
358612.218	297632.714	301455.15	250823.662	185298.353	172314.202	165607.396	181201.801	238621.521	242835.347	253739.47
-16556.076	-86198.708	-111059.95	-183577.67	-122850.78	-87598.573	-87940.93	-134256.89	-134203.71	-118258.7	-107378.03
375168.294	383831.422	412515.1	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
4144.93201	3768.78475	4117.2661	4634.8354	3716.33494	3024.99359	3399.10969	3808.8542	4781.78583	4219.24259	4156.50259
173192.636	127679.156	133339.1	116931.297	96615.9313	82415.7406	93618.584	93630.2829	134175.874	124333.047	125775.103
	9.438517						28.39645			
	0.094385						1.135858			
4144.93201	3768.78475	4117.2661	4634.8354	3716.33494	3024.99359	3399.10969	3808.8542	4781.78583	4219.24259	4156.50259
11.023755	10.050092	11.188223	10.931215	10.098736	7.71682	8.671198	9.918891	11.720063	10.959071	11.054528
173192.636	127679.156	133339.1	116931.297	96615.9313	82415.7406	93618.584	93630.2829	134175.874	124333.047	125775.103
173192.636	127679.156	133339.1	116931.297	96615.9313	82415.7406	93618.584	93630.2829	134175.874	124333.047	125775.103
4144.93201	3768.78475	4117.2661	4634.8354	3716.33494	3024.99359	3399.10969	3808.8542	4781.78583	4219.24259	4156.50259
-173192.64	-127679.16	-133339.1	-116931.3	-96615.931	-82415.741	-93618.584	-93630.283	-134175.87	-124333.05	-125775.1

-173192.64	-127679.16	-133339.1	-116931.3	-96615.931	-82415.741	-93618.584	-93630.283	-134175.87	-124333.05	-125775.1
	0.02						0.17			
105612.019	94188.5193	82068.196	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	110015.235
4144.93201	3768.78475	4117.2661	4634.8354	3716.33494	3024.99359	3399.10969	3808.8542	4781.78583	4219.24259	4156.50259
4144.93201	3768.78475	4117.2661	4634.8354	3716.33494	3024.99359	3399.10969	3808.8542	4781.78583	4219.24259	4156.50259
173192.636	127679.156	133339.1	116931.297	96615.9313	82415.7406	93618.584	93630.2829	134175.874	124333.047	125775.103
173192.636	127679.156	133339.1	116931.297	96615.9313	82415.7406	93618.584	93630.2829	134175.874	124333.047	125775.103
4021.44024	3868.94353	3966.4339	4566.26903	3400.27816	2824.19141	2958.60111	3585.15373	4725.04535	4241.00523	3874.32204
168442.508	130706.988	128495.43	115558.843	89538.7153	77608.4471	82579.8227	88850.3686	132667.907	124833.884	117629.768
										29.435309
										0.294353
4021.44024	3868.94353	3966.4339	4566.26903	3400.27816	2824.19141	2958.60111	3585.15373	4725.04535	4241.00523	3874.32204
10.695319	10.317182	10.778352	10.769502	9.239886	7.204569	7.547451	9.336337	11.580993	11.015598	10.304047
168442.508	130706.988	128495.43	115558.843	89538.7153	77608.4471	82579.8227	88850.3686	132667.907	124833.884	117629.768
168442.508	130706.988	128495.43	115558.843	89538.7153	77608.4471	82579.8227	88850.3686	132667.907	124833.884	117629.768
4021.44024	3868.94353	3966.4339	4566.26903	3400.27816	2824.19141	2958.60111	3585.15373	4725.04535	4241.00523	3874.32204
-168442.51	-130706.99	-128495.43	-115558.84	-89538.715	-77608.447	-82579.823	-88850.369	-132667.91	-124833.88	-117629.77
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105036.452	91468.4561	82068.196	93681.8887	86128.5279	111873.141	107257.945	80016.8448	92437.1748	99016.4555	109245.722
4021.44024	3868.94353	3966.4339	4566.26903	3400.27816	2824.19141	2958.60111	3585.15373	4725.04535	4241.00523	3874.32204
4021.44024	3868.94353	3966.4339	4566.26903	3400.27816	2824.19141	2958.60111	3585.15373	4725.04535	4241.00523	3874.32204
168442.508	130706.988	128495.43	115558.843	89538.7153	77608.4471	82579.8227	88850.3686	132667.907	124833.884	117629.768
168442.508	130706.988	128495.43	115558.843	89538.7153	77608.4471	82579.8227	88850.3686	132667.907	124833.884	117629.768
181756.829	189616.919	207779.81	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
638.5588	761.553331	940.50929	818.936373	838.603122	733.775717	726.984567	718.780117	601.587289	558.088005	570.963768
3547.85925	3701.28673	4055.823	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
147495.758	123468.859	126049	86963.7129	96663.7257	114910.485	108521.042	74554.8273	72552.6327	80547.0833	100996.12
3547.85925	3701.28673	4055.823	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
9.435795	9.870097	11.021258	8.293976	10.221921	10.288866	9.792399	7.861533	6.441659	7.23699	8.875205

-34261.072	-66148.06	-81730.809	-93194.058	-96046.478	-91712.177	-88131.485	-80099.769	-62089.91	-62192.069	-69962.344
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3547.85925	3701.28673	4055.823	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
181756.829	189616.919	207779.81	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
34261.0716	66148.0604	81730.809	93194.058	96046.4777	91712.1765	88131.4848	80099.7685	62089.9101	62192.0693	69962.3438
34261.0716	66148.0604	81730.809	93194.058	96046.4777	91712.1765	88131.4848	80099.7685	62089.9101	62192.0693	69962.3438
107664.084	94188.5193	82068.196	93681.8887	84481.2187	109723.631	107257.945	84388.6958	85110.6544	92054.772	113161.021
181756.829	189616.919	207779.81	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
181756.829	189616.919	207779.81	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
3547.85925	3701.28673	4055.823	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
181756.829	189616.919	207779.81	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
181756.829	189616.919	207779.81	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
3547.85925	3701.28673	4055.823	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
147495.758	123468.859	126049	86963.7129	96663.7257	114910.485	108521.042	74554.8273	72552.6327	80547.0833	100996.12
-34261.072	-66148.06	-81730.809	-93194.058	-96046.478	-91712.177	-88131.485	-80099.769	-62089.91	-62192.069	-69962.344
181756.829	189616.919	207779.81	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463

263509.85	367213.159	404788.89	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	330024.592
931.927601	1484.22191	1832.5827	1635.65599	1424.93921	1032.06694	1061.14771	1515.38226	1852.47946	1387.65815	1111.90688
2877.37334	4009.75278	4420.0578	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
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2877.37334	4009.75278	4420.0578	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
7.652588	10.692674	12.011026	9.237738	9.620347	8.028347	7.950636	9.235121	11.075198	10.046664	9.618613
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2877.37334	4009.75278	4420.0578	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3603.54831
263509.85	367213.159	404788.89	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	330024.592
144453.33	234276.703	267195.02	262644.025	235890.373	202394.552	199517.8	238655.513	289056.987	243006.828	222352.934
144453.33	234276.703	267195.02	262644.025	235890.373	202394.552	199517.8	238655.513	289056.987	243006.828	222352.934
107664.084	94034.5019	82068.196	93569.6267	86128.5279	111873.141	107257.945	84388.6958	92437.1748	98933.6229	113161.021
263509.85	367213.159	404788.89	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
263509.85	367213.159	404788.89	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
2877.37334	4009.75278	4420.0578	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
263509.85	367213.159	404788.89	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
263509.85	367213.159	404788.89	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986

2877.37334	4009.75278	4420.0578	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
119056.52	132936.457	137593.87	96056.6257	88329.1787	85817.9804	85904.9547	86113.41	124763.816	111221.478	108885.052
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263509.85	367213.159	404788.89	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
1215995.08	1345279.98	1460375	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1240616.88
4276.82488	5414.89147	6596.55	6513.69294	5025.47187	3669.7103	3718.20633	5237.31994	5861.91459	4840.23558	4155.1516
35205.5936	35964.5365	38721.479	40319.3641	31467.3693	27398.8248	27678.8211	31526.2218	37813.9093	35207.8009	34958.4707
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35205.5936	35964.5365	38721.479	40319.3641	31467.3693	27398.8248	27678.8211	31526.2218	37813.9093	35207.8009	34958.4707
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0.28	0.14	0.28	2.25	1.04	0.2	0.18	2.53	5.51	1.1	0.64
746887.797	653826.301	574477.37	655660.959	601252.386	780962.475	750805.617	583253.192	639733.703	686070.672	781950.817
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1215995.08	1345279.98	1460375	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
35205.5936	35964.5365	38721.479	40319.3641	31467.3693	27398.8248	27678.8211	31526.2218	37813.9093	35207.8009	34958.4707
1215995.08	1345279.98	1460375	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
1215995.08	1345279.98	1460375	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
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0.427377	0.358074	0.337222	0.228471	0.269047	0.295667	0.290708	0.232889	0.140906	0.278037	0.315806
4482385.13	3206349.85	2627027.2	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
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3960794.96	3960794.96	3876522.7	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
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631781.728	536243.922	496688.45	396905.321	407197.744	471921.863	464261.644	365356.391	232094.381	433003.288	476447.867
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3.239306	3.173129	3.186165	3.214618	3.161462	3.191474	3.168554	3.174655	2.901046	3.120226	3.168286
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5431.7085	674.01958	325.79752	484.289909	1486.88287	8098.34484	4040.40558	2019.7707	250.308104	58.504096	164.617359
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353.48546	353.970549	351.61163	323.538577	353.909307	352.809214	352.797051	322.163721	246.167799	341.162457	348.388404
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58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
266.947723	202.740095	187.10159	155.137776	169.905502	233.183217	182.85124	188.956744	81.264714	119.304659	120.494104
36.612131	36.139617	36.449851	37.65018	37.011374	37.024775	36.804432	37.10627	33.044616	36.004427	36.390992
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32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
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237.58	235.47	191.28	333.53	299.5	372.76	362.65	309.85	386.78	319.13	333.9
202.120986	167.898015	137.76558	160.916383	193.477175	245.004983	229.077827	190.62132	190.814269	192.785005	230.312011

5.208355	4.432156	3.351139	4.290505	4.609755	7.561387	7.064722	4.997535	7.26189	7.041019	7.494278
20,019	16,335	9,950	21,793	21,037	42,475	38,723	23,634	33,885	27,343	35,814
388559.885	356494.728	567388.64	174376.933	123437.237	32618.9378	51179.2179	163063.259	15210.3907	116736.928	47951.0707
7.502486	7.433463	8.672651	4.329232	4.367509	3.240963	3.230253	5.541182	1.671831	3.978416	1.771567
6,551	7,536	12,160	3,992	2,722	549	977	3,601	366	2,728	1,146
46.881833	35.974847	32.574819	27.914918	31.22165	41.638548	35.219648	29.248775	28.900769	28.459658	31.859443
46.836614	35.742306	31.494668	27.378635	30.519355	41.626833	35.182814	28.456635	28.870165	28.365537	31.829005
-13467.698	-8799.0568	2209.6669	-17800.853	-18314.837	-41926.796	-37745.232	-20032.92	-33518.742	-24614.723	-34611.9
-35.818346	-23.464151	6.004529	-41.983142	-49.768577	-106.95611	-96.288857	-52.169062	-82.153778	-63.934344	-92.052925
-7858952.4	-7458701.5	-6956470.7	-7782091	-6992532	-8092593.5	-7870692.9	-6945839	-7311775.9	-7551297.1	-7969163.8
-72.999448	-79.210616	-84.784799	-83.080249	-81.230461	-72.399687	-73.41858	-82.364792	-79.11512	-76.277847	-70.446545
-7858952.4	-7458701.5	-6956470.7	-7782091	-6992532	-8092593.5	-7870692.9	-6945839	-7311775.9	-7551297.1	-7969163.8
87645.3452	77853.1667	72118.176	71889.2199	65091.3489	69397.767	68535.2472	60754.7651	58552.6032	71673.3883	77346.8892
3075874.27	2825407.2	2641063	2607755.36	2381950.39	2579113.23	2499258.88	2190594.42	1997328.57	2544775.4	2771475.58
7542024.15	7181394.66	6700857.1	7576615.69	6782218.81	7851636.89	7631664.5	6758205.17	7190711.48	7325106.25	7720274.23
7706683.22	7231120.62	6351782.9	7847877.19	7142328.68	8910560.32	8536689.29	7079300.36	8020762.09	7891606.64	8607866.39
		0.000247	0.056389			0.000231	0.032196	0.090909	0.009469	0.011363
1162552.23	1006014.85	879840.47	943511.808	924378.627	1202941.85	1152157.36	868660.305	895423.738	1040933.71	1185740.85
4.12	3.69	4.11	5.17	3.42	3.85	3.69	4.52	3.05	4.49	4.06
40368.928	42529.2564	47647.003	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
12166550.9	10605060.5	9922540	9867538.43	8954032.99	10381837	10073960.3	8765248.07	9051178.66	9893144.11	10550451.1
8205755.98	6644265.55	6046017.3	5401110.07	5077510.26	6252497.55	5944620.86	4720180.88	4753294.77	5848076.92	6589415.95
2053370.92	1699579.55	1585537.7	1276908.77	1290980.03	1511737.31	1477837.29	1159628.61	676462.665	1355381.71	1511857.02
94196.3856	85389.4625	84277.863	75881.0361	67813.6913	69946.3448	69512.7131	64355.7758	58918.4333	74401.7329	78549.1207
40368.928	42529.2564	47647.003	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
8205755.98	6644265.55	6046017.3	5401110.07	5077510.26	6252497.55	5944620.86	4720180.88	4753294.77	5848076.92	6589415.95
96707.6695	73220.0526	69816.829	56757.416	54603.5867	66396.1805	63525.7286	48951.1006	20073.8985	54330.8198	62097.5897
1215995.08	1345279.98	1460375	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
35205.5936	35964.5365	38721.479	40319.3641	31467.3693	27398.8248	27678.8211	31526.2218	37813.9093	35207.8009	34958.4707
1463969.42	1208826.48	1230545.3	1009202.95	815866.931	769058.721	775154.087	779634.46	1052785.15	1027892.37	1060976.59
247974.339	-136453.5	-229829.67	-422140.41	-333529.72	-260093.85	-228004.92	-347580.83	-261276.91	-210830.99	-182912.25
1215995.08	1345279.98	1460375	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85

2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
-4395883.7	-3792527.1	-4051108.5	-4137302.3	-4395883.7	-3964914.7	-4568271.3	-4051108.5	-4137302.3	-4395883.7	-4137302.3
-4395883.7	-3792527.1	-4051108.5	-4137302.3	-4395883.7	-3964914.7	-4568271.3	-4051108.5	-4137302.3	-4395883.7	-4137302.3
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
47.016169	42.866187	34.836167	32.896189	26.00618	27.156201	30.066212	29.446132	25.916248	28.73611	30.246193
26.772584	26.772566	26.772584	26.772673	26.772584	26.772548	26.772673	26.772619	26.77253	26.77253	26.772566
46.891788	42.741798	34.711787	32.771799	25.881794	27.031806	29.941813	29.321766	25.791834	28.611753	30.121802
46.987466	42.837482	34.807464	32.867483	25.977475	27.127494	30.037504	29.417432	25.887537	28.707412	30.217488
46.269881	42.119856	34.089883	32.149853	25.259865	26.409836	29.319819	28.699934	25.169768	27.989966	29.499846
46.547347	42.397338	34.367348	32.427337	25.537341	26.68733	29.597324	28.977367	25.447305	28.267378	29.777334
$ 46.97	$ 42.82	$ 34.79	$ 32.85	$ 25.96	$ 27.11	$ 30.02	$ 29.40	$ 25.87	$ 28.69	$ 30.20
$ 47.01	$ 42.86	$ 34.83	$ 32.89	$ 26.00	$ 27.15	$ 30.06	$ 29.44	$ 25.91	$ 28.73	$ 30.24

24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
46.71	42.56	34.53	32.59	25.7	26.85	29.76	29.14	25.61	28.43	29.94
7.100955	7.110244	6.405042	5.800469	5.459676	5.482788	5.515377	5.506943	5.489081	5.579742	6.477654
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
0.030612	0.030284	0.030877	0.03414	0.032181	0.027065	0.029811	0.030664	0.032187	0.024436	0.030625
8898.975	7680.15	8198.775	8345.025	8884.575	8055.9	9255.6	8200.575	8361.9	8955.675	8375.4
21.811213	21.818607	21.8634	21.731835	21.775919	21.891032	21.829245	21.810039	21.775781	21.950183	21.754285
9180	7920	8460	8640	9180	8280	9540	8460	8640	9180	8640
22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558

6.68	6.8	3.5	3.76	11.32	11.88	4.42	4	17.42	4.88	2.8

6.87587	6.78168	6.499109	6.781679	2.54313	3.57922	6.02816	3.67341	3.86179	2.35475	1.69542
0.100309	0.09423	0.027125	0.044218	0.008014	0.018595	0.042067	0.026787	0.017353	0.006647	0.002535
0.0975	0.091335	0.026382	0.043151	0.007818	0.018152	0.040919	0.025957	0.016614	0.006446	0.0025
57822.2267	37582.8634	6825.4944	3200.16854	2007.74975	7166.35567	57735.282	26121.1322	6875.59315	769.706789	1149.06124
180.608022	123.969038	24.203891	13.306242	8.427285	23.89311	173.063466	82.315809	25.6574	2.986811	4.072339
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68

0.031225	0.036732	0.026755	0.026953	0.024289	0.032581	0.031438	0.033031	0.030156	0.035808	0.032994
21731.8936	17563.6093	5419.31584	9052.22414	1742.70338	3649.29736	9478.3397	5331.90752	3485.40676	1436.77426	524.44992
122012.385	102254.112	30434.4135	52376.2599	9265.4927	21466.3866	55231.3849	31832.1399	19471.2263	8307.84624	3483.27209
4.08961	4.275399	3.909109	4.208158	1.447251	2.181851	3.614665	2.242408	2.32824	1.409867	1.223833
8346.79534	5412.0165	1043.26003	464.756615	312.210405	1029.9643	8404.95603	3741.32072	1050.28921	116.928133	150.557397
22925.08	19666.06	21224.52	21671.7	23089.22	20648.58	23818.86	21087.64	21600.36	22816.62	21537.14
56.188921	55.869488	56.59872	56.436718	56.591225	56.110271	56.176556	56.084148	56.250937	55.923088	55.940623
23664	20416	21808	22272	23664	21344	24592	21808	22272	23664	22272
58	58	58.154666	58	58	58	58	58	58	58	57.84935
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
45.98617	47.54764	43.956482	46.998465	16.332819	24.313831	40.590002	25.08517	26.083518	15.843251	13.291288
45.98617	47.54764	43.956482	46.998465	16.332819	24.313831	40.590002	25.08517	26.083518	15.843251	13.291288
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
167049.224	146942.202	41422.0318	70772.8701	12842.1048	31164.4455	82776.2371	46224.692	28646.0511	10918.9611	4322.81595
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
167049.224	146942.202	41422.0318	70772.8701	12842.1048	31164.4455	82776.2371	46224.692	28646.0511	10918.9611	4322.81595
225.26	224.85	184.41	183.55	108.8	148.79	231.29	153.17	93.36	121.89	104.73
87217.4017	83294.7878	29391.3503	58866.8676	9106.91475	18132.9188	7491.46726	11304.8462	16278.5585	9079.28605	2879.87485
100402.61	100774.938	33419.9431	67123.9784	10545.193	22236.4026	9469.62873	13646.8952	19990.2827	10048.1364	3079.53459
31.297992	33.524079	33.641646	40.426797	13.221923	16.296638	10.155441	11.425237	19.298273	13.536349	8.709482
1421.07423	1290.11496	464.598768	911.717541	151.873126	278.090355	113.959408	168.870028	258.532493	140.125929	39.695564
66.191065	69.546897	68.070339	65.721454	61.147455	65.493546	67.434251	67.121791	64.547121	62.021483	73.39028
48.242768	48.649954	38.774246	24.925541	10.395067	19.648064	42.457008	25.502177	17.427722	5.564889	10.274431
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
5.655	5.297443	1.534293	2.50276	0.45348	1.052826	2.373349	1.505531	0.963645	0.373872	0.144623
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
886.165765	574.58504	110.761231	49.342458	33.146873	109.349644	892.340591	397.209971	111.507506	12.41407	15.984435
57822.2267	37582.8634	6825.4944	3200.16854	2007.74975	7166.35567	57735.282	26121.1322	6875.59315	769.706789	1149.06124
23.44	17.69	6.63	14.02	2.24	3.91	3.11	3.51	3.59	2.35	0.81
-22009.595	-26064.55	-5205.1871	-8705.8339	-1727.4403	-5865.1711	-17549.488	-8798.7135	-5491.8994	-1069.9682	-293.87986
-122412.2	-126839.49	-38625.13	-75829.812	-12272.633	-28101.574	-27019.117	-22445.609	-25482.182	-11118.105	-3373.4145
6.62	3.15	0.55	0.29	0.21	0.64	7.25	2.91	0.55		0.14
12407.235	9468.9907	2688.7936	3899.9662	741.2029	1822.1355	5785.9861	3045.756	1623.3301	648.6154	265.02
0.81	0.68	0.28	0.53	0.07	0.07	0.26	0.09	0.11	0.09	

416.2914	349.4792	143.9032	272.3882	35.9758	35.9758	133.6244	46.2546	56.5334	46.2546	
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
122012.385	102254.112	30434.4135	52376.2599	9265.4927	21466.3866	55231.3849	31832.1399	19471.2263	8307.84624	3483.27209
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
416.2914	349.4792	143.9032	272.3882	35.9758	35.9758	133.6244	46.2546	56.5334	46.2546	
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
22610.952	18274.06	5638.528	9418.388	1813.196	3796.912	9861.74	5547.584	3626.392	1494.892	545.664
0.77	0.74	0.85		0.01						
10.795634	10.864317	10.970305	11.013768	11.227538	11.247506	11.144209	11.173439	11.223633	11.132281	11.109941
0.795104	0.734784	0.63276	0.608676	0.500011	0.491894	0.533439	0.523259	0.50737	0.553198	0.557478
0.773234	0.709821	0.610816	0.586682	0.485007	0.474253	0.515559	0.503758	0.488079	0.534782	0.535572
1186095.65	922536.986	773288.74	581794.168	762670.608	688703.376	961520.237	813248.971	690094.776	699514.289	772996.792
3867.86253	3146.32752	2997.2743	2532.93352	3398.6317	2904.85855	3235.60415	2924.37834	3066.10563	3012.65921	2931.90382
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
0.028235	0.034715	0.035664	0.036718	0.031029	0.037119	0.033891	0.038696	0.038307	0.034019	0.039973
375173.357	298906.735	278469.487	274188.521	246029.628	217376.7	269785.838	234287.175	232584.577	268306.766	252531.767
563115.977	448271.107	417022.439	411491.056	368650.216	327120.95	406220.221	353052.995	348105.569	405402.932	380827.981
3.421699	3.421699	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217
720970.64	574409.073	535134.814	526908.081	472795.136	417732.805	518447.445	450229.665	446957.781	515605.112	485290.296
44009.28	37715.58	40247.49	41058.9	43882.74	39331.74	45468.93	40120.95	40991.19	43747.32	40920.15
107.865882	107.146534	107.32664	106.924218	107.555735	106.879728	107.238042	106.704654	106.74789	107.223823	106.286103
45288	39072	41736	42624	45288	40848	47064	41736	42624	45288	42624
111	111	111.296	111	111	111	111	111	111	111	110.711688
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
39.065745	39.407306	39.799352	39.957669	40.733577	40.856185	40.444964	40.541478	40.863368	40.382241	40.37638
38.817533	39.054128	39.418424	39.561372	40.298529	40.359103	40.004614	40.103571	40.287585	39.958628	39.884261
1357649.13	1083440.34	1008406.85	994428.149	891656.807	789992.749	980192.543	851033.006	845172.524	975853.702	919042.422
1844743.87	1367965.75	1025194.76	980579.11	660138.415	613460.074	874016.039	721039.574	640058.626	815561.471	799441.363
487094.738	284525.408	16787.9075	-13849.039	-231518.39	-176532.67	-106176.5	-129993.43	-205113.9	-160292.23	-119601.06
1844743.87	1367965.75	1025194.76	980579.11	660138.415	613460.074	874016.039	721039.574	640058.626	815561.471	799441.363
396.48	339.78	362.59	369.9	395.34	354.34	409.63	361.45	369.29	394.12	368.65
163825.24	152283.392	226795.395	403617.7	120069	92570.3324	8764.30585	29560.3954	144079.868	267025.893	136038.55
242786.041	223596.803	279052.062	506907.156	132824.327	102565.359	9771.44473	32827.099	157183.419	304014.826	157235.528

29.526277	32.561989	42.958256	56.001637	36.171076	31.48929	17.408816	24.673839	37.350272	46.868412	36.469022
4305.94425	4002.53511	5953.99043	10530.5982	3140.19482	2378.01356	227.893636	767.798244	3759.81566	6908.37704	3546.69382
39.265983	35.225005	31.473996	29.568604	25.620518	26.649696	27.767579	27.775323	25.481149	27.378302	28.910686
39.235586	35.170519	31.068996	27.844111	24.895593	25.534723	27.756336	27.725946	24.164773	26.532917	28.682867
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
85.828995	78.790193	67.981392	65.121802	53.835857	52.642163	57.227113	55.917138	54.17677	59.360838	59.294093
290991.624	128286.857	-128768.09	-157167.38	-360118.08	-290155.48	-247193.56	-252455.34	-326685.86	-300536.18	-251599.41
290991.624	128286.857	-128768.09	-157167.38	-360118.08	-290155.48	-247193.56	-252455.34	-326685.86	-300536.18	-251599.41
30712.2858	23731.6129	19539.0316	14476.1738	18824.8352	16994.3024	24036.4024	20257.0458	17044.0643	17310.845	19281.5322
1186095.65	922536.986	773288.74	581794.168	762670.608	688703.376	961520.237	813248.971	690094.776	699514.289	772996.792
61.95	42.61	26.04	31.98	5.17	5.18	0.82	2.28	6.3	15.9	13.41
-487094.74	-284525.41	-16787.908	13849.0393	231518.392	176532.674	106176.504	129993.433	205113.898	160292.23	119601.059
-729880.78	-508122.21	-295839.97	-493058.12	98694.0655	73967.3152	96405.0593	97166.3337	47930.48	-143722.6	-37634.469
236.64	207.1	223.84	188.11	308.09	276.08	370.64	317.76	272.25	259.23	274.03
118250.52	96469.5728	90103.4519	81901.0009	86088.7633	81186.2307	117033.358	97346.1053	80221.0958	88773.1062	93839.6474
0.78	0.87	0.84	0.91	0.9	0.88	1	0.83	1.11	0.94	1.01
7728.24	8619.96	8322.72	9016.28	8917.2	8719.04	9908	8223.64	10997.88	9313.52	10007.08
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
1284086.62	1022680.18	952157.253	938399.138	841445.351	744853.754	924667.666	803282.66	795063.35	921008.044	866118.277
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
7728.24	8619.96	8322.72	9016.28	8917.2	8719.04	9908	8223.64	10997.88	9313.52	10007.08
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
65834.2724	52140.1982	47926.8814	47012.7314	41294.2564	36419.9541	45616.8765	39526.7067	39111.2944	45532.1374	42917.0649
49.46	49.32	92.33	122.13	67.05	55.55	8.81	21.48	72.56	105.53	68.25

1187.55	1031.13	1098.3	1117.38	1178.52	1072.23	1226.82	1104.12	1109.61	1191.66	1118.22
2.910661	2.929346	2.9288	2.909843	2.888529	2.913668	2.893443	2.936489	2.889609	2.920735	2.904467
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

11.270066	11.347111	11.385545	11.494754	11.709987	11.718938	11.610789	11.581463	11.794143	11.595251	11.525348
0.843296	0.799306	0.763601	0.714292	0.609963	0.619677	0.647901	0.675594	0.599026	0.683811	0.714175
0.802583	0.758654	0.729587	0.676878	0.339787	0.593842	0.617851	0.641373	0.48227	0.654246	0.677456
426611.662	349583.801	361443.817	345385.954	187340.048	296495.765	352811.038	323335.519	250171.298	357271.461	345995.276
1398.85736	1200.26586	1415.86768	1519.36677	837.029623	1258.44513	1192.90895	1170.96569	1147.90212	1553.65871	1320.39697
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
0.048063	0.052556	0.044547	0.053619	0.049509	0.040733	0.047169	0.049042	0.042473	0.044191	0.049687
157484.648	129080.183	133524.841	127501.023	69293.991	109505.57	130221.442	119272.247	92708.1585	131720.706	127631.412
236201.246	193587.682	200177.622	191643.17	103848.774	164678	195829.108	179488.637	138633.509	198422.203	191956.614
2.5991	2.5991	2.5991	2.5991	2.599099	2.5991	2.5991	2.5991	2.599099	2.5991	2.5991
173091.377	141872.029	146757.153	140136.374	76161.0255	120357.572	143126.387	131092.126	101895.537	144774.228	140279.685
16700.77	14340.5	15447.75	15626.63	9779.06	15179.43	17372	15334.66	13262.92	16768.71	15650.28
40.933259	40.740056	41.194	40.694348	23.968284	41.248451	40.971698	40.78367	34.538854	41.099779	40.650077
17544	15136	16168	16512	17544	15824	18232	16168	16512	17544	16512
43	43	43.114666	43	43	43	43	43	43	43	42.888311
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
30.994866	31.387281	31.355849	31.712511	33.239426	32.20941	32.042091	31.965666	33.219115	32.014516	31.770422
30.521152	30.722437	30.82463	31.100439	31.668803	31.681477	31.398191	31.323383	31.890449	31.353327	31.171569
432590.687	356297.952	367177.8	351407.795	196163.637	301347.66	359574.198	329314.544	259390.398	364126.661	352072.317
707602.955	540123.037	446304.756	417618.19	175079.787	289267.43	386034.801	341563.018	236443.023	373976.612	374031.823
275012.268	183825.085	79126.9561	66210.3956	-21083.849	-12080.23	26460.6034	12248.4744	-22947.374	9849.95151	21959.5056
707602.955	540123.037	446304.756	417618.19	175079.787	289267.43	386034.801	341563.018	236443.023	373976.612	374031.823
388.39	333.5	359.25	363.41	227.42	353.01	404	356.62	308.44	389.97	363.96
			140.832842	2.077029	98.080495			152.545864	43.031845	
			190.516961	2.103562	98.63257			170.53145	45.533961	
			1.260969	0.068763	0.801476			1.977984	0.670342	
			4.680919	0.068763	3.166264			5.120503	1.404272	
37.652838	42.094611	31.457153	27.895428	26.22723	27.673321	29.67905	26.878309	26.7029	28.185098	27.731002
7.907096	10.102706	9.122574	12.794009	14.949521	10.283217	8.903715	8.332276	10.677622	10.393153	10.815091
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
34.511078	32.622159	31.45592	29.105781	14.610882	25.535244	26.567617	27.579042	20.73763	28.132598	29.054961
192695.043	116354.873	9333.52168	-434.38896	-57303.819	-69318.792	-41606.144	-50095.129	-71405.929	-59000.461	-44753.433
192695.043	116354.873	9333.52168	-434.38896	-57303.819	-69318.792	-41606.144	-50095.129	-71405.929	-59000.461	-44753.433

14080.52	11483	11795.97	11171.9391	5961.17124	9393.80374	11264.67	10369.72	7958.1295	11476.6957	11186.16
426611.662	349583.801	361443.817	345385.954	187340.048	296495.765	352811.038	323335.519	250171.298	357271.461	345995.276
-275012.27	-183825.09	-79126.956	-66210.396	21083.8495	12080.2302	-26460.603	-12248.474	22947.3742	-9849.9515	-21959.506
-275012.27	-183825.09	-79126.956	-66400.913	21081.7459	11981.5977	-26460.603	-12248.474	22776.8428	-9895.4855	-21959.506
2.19	2.33	3.04	2.64	8.15	3.86	3.8	4.03	2.15	3.65	4.71
				0.411764			0.002659	0.164062		0.002604
114331.435	93152.8027	88641.9193	79519.7366	47648.5508	80496.5516	113728.93	95228.3299	63127.2935	86509.8513	91671.1952
1.22	1.37	1.17	1.2	1.8	0.97	1.38	1.22	1.85	1.39	1.24
5979.0248	6714.1508	5733.9828	5881.008	8821.512	4753.8148	6763.1592	5979.0248	9066.554	6812.1676	6077.0416
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
409292.622	335459.711	346934.774	331779.544	180009.8	285035.572	338955.494	310580.763	240529.046	343196.43	332236.299
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
5979.0248	6714.1508	5733.9828	5881.008	8821.512	4753.8148	6763.1592	5979.0248	9066.554	6812.1676	6077.0416
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
17319.0396	14124.09	14509.0431	13747.2426	7332.3252	11558.2731	13855.5441	12754.7556	9794.7975	14118.063	13758.9768
0.029754	0.036306	0.027287	0.028958	0.02799	0.042173	0.045872	0.019281	0.02125	0.034656	0.032005
1187.58	1017.66	1097.22	1118.64	1189.74	1057.44	1213.65	1106.25	1127.52	1181.58	1115.13
2.910735	2.891079	2.92592	2.913125	2.916029	2.873478	2.862382	2.942154	2.93625	2.896029	2.896441
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

7.291508	9.43037	4.923916	5.188477	1.406841	3.102527	6.224154	3.950869	2.684369	0.421875	0.14
0.01884	0.026646	0.003979	0.004982	0.001567	0.005239	0.01475	0.008209	0.005391	0.000575	0.00002
0.018132	0.025698	0.003872	0.004765	0.001529	0.005206	0.014363	0.00801	0.00514	0.000568	0.00002
3543.87786	3252.46373	216.919468	58.890229	203.381232	1125.00865	13549.3665	5171.70135	671.935265	6.32061	8.633834

10.809626	10.566685	0.782735	0.238945	0.837889	3.566315	39.674847	15.552284	2.575076	0.023618	0.030956
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
0.034264	0.030752	0.029162	0.028111	0.027806	0.024524	0.032582	0.026742	0.035976	0.028774	0.03246
5195.1	6388.3	1026.4	1284.3	439.2	1362.2	4325.7	2135.4	1404.3	163.6	5.6
24702.0093	33181.1513	4998.59785	7348.0491	2364.4065	8139.48978	25434.4654	12816.016	7762.37439	954.562989	36.298379
2.605935	3.609686	1.709412	2.118448	0.548458	1.274221	2.514489	1.640154	1.074495	0.164234	0.064818
697.681178	621.850997	46.880151	10.091377	36.087707	177.699963	2308.43859	877.972605	121.969684	1.187983	1.332
19632.9	17073.6	18264.8	18625.3	19867.4	17971.4	20518.4	18296.5	18439.5	19853.8	18592.2
48.119852	48.504545	48.706133	48.503385	48.694607	48.835326	48.392452	48.660904	48.019531	48.661274	48.291428
20400	17600	18800	19200	20400	18400	21200	18800	19200	20400	19200
50	50	50.133333	50	50	50	50	50	50	50	49.870129
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
43.492244	73.512899	33.624441	33.710005	10.741301	27.230789	67.255434	40.472123	27.101085	3.401146	0.907459
36.978264	51.199046	24.18144	29.939334	7.798115	18.018148	35.69925	23.173658	15.229034	2.312156	0.907459
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
27852.7513	39368.9866	5751.29212	8095.52953	2640.10242	9518.70242	29902.1213	14882.7378	9195.85333	1060.86157	36.819009
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
27852.7513	39368.9866	5751.29212	8095.52953	2640.10242	9518.70242	29902.1213	14882.7378	9195.85333	1060.86157	36.819009
228.46	268.62	244.04	160.59	149.89	204.12	341.87	247.81	144.09	158.47	130.51
21384.0724	30170.5166	4807.46638	7335.55487	2178.96627	7029.88813	11931.1799	7667.69666	7122.93512	948.802379	27.664544
23940.3652	35565.3542	5436.74223	8032.0058	2429.68381	8171.90547	13993.2076	8753.52122	8394.37321	1054.43103	28.061339
9.821314	13.971606	7.337372	7.551779	1.856023	4.609361	7.278426	5.445422	4.062837	0.645285	0.304857
320.06563	408.079729	69.451417	90.779187	28.622306	83.238089	140.850147	88.295529	90.116451	11.515144	0.304857
76.311712	81.38454	66.371655	84.989986	77.030112	87.978202	88.010824	87.338366	81.696587	74.486358	90.745948
27.444242	28.362038	4.627189	2.549699	2.310903	7.918038	38.607915	18.341056	8.169658	0.744863	0.907459
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
0.906617	1.284943	0.194133	0.238281	0.07647	0.260326	0.71816	0.400531	0.257031	0.028431	0.001038
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
49.834369	44.22027	3.348582	0.720812	2.577693	12.56191	163.649852	62.30447	8.583548	0.084855	0.095142
3543.87786	3252.46373	216.919468	58.890229	203.381232	1125.00865	13549.3665	5171.70135	671.935265	6.32061	8.633834
4.64	5.8	1	1.34	0.4	1.32	3.02	1.61	1.36	0.17	0.01
-2924.801	-5946.0063	-726.90627	-701.08443	-257.75492	-1363.8056	-4421.5748	-2043.3398	-1400.9829	-105.73858	-0.52063
-26865.166	-41511.36	-6163.6485	-8733.0902	-2687.4387	-9535.7111	-18414.782	-10796.861	-9795.3562	-1160.1696	-28.581969
0.34	0.29	0.01		0.03	0.09	1.25	0.43	0.11		

3022.871	3764.1903	543.6497	569.6388	191.7898	809.1663	3076.2244	1424.507	779.8076	80.9082	2.789
0.38	0.32	0.04	0.08	0.03	0.01	0.03	0.01	0.03		
218.241	215.649	22.428	44.856	16.821	5.607	16.821	10.782	21.996		
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
24702.0093	33181.1513	4998.59785	7348.0491	2364.4065	8139.48978	25434.4654	12816.016	7762.37439	954.562989	36.298379
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
218.241	215.649	22.428	44.856	16.821	5.607	16.821	10.782	21.996		
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
7.7	26.18	3.36	1.54	1.12	9.8	29.26	12.6	10.5	0.56	
0.06	0.15	0.06								

0.038921	0.024914	0.025053	0.027369	0.032401	0.036141	0.031627	0.033457	0.021848	0.025269	0.030703

1568.48	1372.92	1466.32	1493.96	1579.12	1418.8	1642.36	1453.68	1502.44	1590.76	1488.84
3.844313	3.90034	3.910186	3.89052	3.870392	3.855434	3.87349	3.86617	3.912604	3.898921	3.867116
1632	1408	1504	1536	1632	1472	1696	1504	1536	1632	1536
4	4	4.010666	4	4	4	4	4	4	4	3.98961

10.226532	10.303741	10.353952	10.423897	10.666256	10.670646	10.552176	10.575671	10.684463	10.534484	10.517972
0.698822	0.651325	0.539634	0.508712	0.348917	0.359051	0.405442	0.400607	0.378172	0.444904	0.460043
0.660072	0.620652	0.507719	0.481734	0.238032	0.341312	0.383381	0.377064	0.357496	0.422929	0.434892
557394.857	454208.774	397723.421	363454.932	207772.58	270540.916	349536.206	305324.436	289023.453	359109.302	355977.217
1828.48803	1560.29706	1546.73535	1590.75246	927.50565	1124.5266	1158.2144	1092.25855	1287.03873	1552.58372	1349.89768
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
0.059901	0.05142	0.059574	0.053098	0.066887	0.052119	0.054834	0.062792	0.058958	0.051446	0.058932
159392.5	129884.14	114799.837	111810.877	60196.3756	77940.5522	99898.3534	87131.7366	84846.104	105119.292	101612.323
239384.344	195194.533	171811.28	168028.197	89999.0226	117537.973	150435.196	131705.446	126892.5	159471.344	154122.016
3.4341	3.4341	3.4341	3.4341	3.434099	3.4341	3.4341	3.4341	3.4341	3.4341	3.4341
308281.035	251208.915	222034.366	216253.417	116425.81	150744.822	193213.405	168521.492	164100.85	203311.224	196528.393

22476.616	19566.54	20720.96	21252.462	16292.558	20440.852	23483.95	20650.054	21175.696	22678.786	21176.282
55.089745	55.586761	55.255893	55.344953	39.93274	55.545793	55.386674	54.920356	55.145041	55.585259	55.003329
23908.8	20627.2	22033.6	22502.4	23908.8	21564.8	24846.4	22033.6	22502.4	23908.8	22502.4
58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
38.98894	39.436621	39.627885	39.340206	46.883881	42.560255	40.771087	41.938588	42.603033	41.179635	41.071023
35.737342	36.003593	36.177391	36.410625	37.250503	37.255883	36.848728	36.92731	37.315361	36.782437	36.726539
593909.813	480574.217	434351.276	416124.267	256862.034	305304.385	382012.682	338280.761	328216.823	403288.554	388064.4
857761.552	657308.686	468385.489	450833.844	185778.035	256467.327	371754.356	309728.365	274492.713	368844.137	365169.728
263851.739	176734.468	34034.2125	34709.5761	-71083.999	-48837.059	-10258.325	-28552.396	-53724.11	-34444.417	-22894.672
857761.552	657308.686	468385.489	450833.844	185778.035	256467.327	371754.356	309728.365	274492.713	368844.137	365169.728
383.56	333.9	353.6	361.48	278.03	348.82	400.75	352.39	361.36	387.01	361.37
55.082832	132.120404	3058.09463	27547.5936	2180.71448	2305.28968	18.295591	53.512675	6957.50689	9942.54167	740.58425
68.499444	174.884674	3704.27175	37211.7704	2507.59028	2589.36276	17.141348	50.21178	8217.58146	11757.5365	860.955624
1.298988	1.91645	8.384805	17.061087	7.42246	8.226115	0.450386	1.140467	11.457632	12.285715	4.685601
1.382413	3.600282	86.413228	781.749559	62.689192	64.048525	0.450386	1.374285	198.191486	280.034477	20.795575
44.609491	40.958063	34.024434	31.837583	28.879485	27.25641	28.829831	29.221013	27.721265	30.904254	30.043874
41.929865	35.199837	33.237712	30.334122	25.836757	25.680759	25.081303	26.294895	24.558723	29.125413	28.172932
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
38.680269	36.370261	29.831696	28.229635	13.948696	20.000923	22.466146	22.095962	20.949302	24.783666	25.418483
180537.279	108844.028	-25971.662	-23733.969	-102548.64	-89576.585	-62475.195	-74096.155	-98073.169	-89390.271	-76007.433
180537.279	108844.028	-25971.662	-23733.969	-102548.64	-89576.585	-62475.195	-74096.155	-98073.169	-89390.271	-76007.433
15780.1676	12798.7317	11100.4728	10058.4304	5628.37881	7296.29147	9525.19561	8306.70771	7846.34051	9831.70152	9765.32042
557394.857	454208.774	397723.421	363454.932	207772.58	270540.916	349536.206	305324.436	289023.453	359109.302	355977.217
0.04	0.07	0.1	0.94	0.04	0.03			0.05	0.18	0.04
-263851.74	-176734.47	-34034.213	-34709.576	71083.9988	48837.0586	10258.3254	28552.396	53724.1104	34444.4172	22894.6721
-263920.24	-176909.35	-37738.484	-71921.346	68576.4086	46247.6958	10241.184	28502.1843	45506.529	22686.8807	22033.7165
17.55	17.83	19.88	19.2	12.57	19.95	21.83	20.13	22.64	19.31	21.67
			0.002604	0.272058						
105176.482	88157.213	80754.0453	75423.7302	53596.8774	74599.8256	107007.868	87829.8767	73274.1282	80681.1374	85857.2368
1.64	1.18	1.51	1.13	2.11	1.46	1.46	1.48	1.45	1.54	1.41
36459.8732	26233.3234	33569.7613	25121.7419	46908.7393	32458.1798	32458.1798	32902.8124	32235.8635	34236.7102	31346.5983
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
547665.379	446403.448	393845.646	384281.614	206424.833	268282.795	343648.601	300226.938	290993.35	362782.567	350650.409

15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
36459.8732	26233.3234	33569.7613	25121.7419	46908.7393	32458.1798	32458.1798	32902.8124	32235.8635	34236.7102	31346.5983
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
9784.561	7937.44584	6935.86932	6720.9116	3528.46216	4563.4108	5905.90052	5151.01084	4987.60984	6269.27632	6067.39192
0.07	0.13	0.8	2.4	0.52	0.38	0.04	0.11	1.08	1.57	0.28
4.65	6.9	3.6	3	1.2	2.1	5.85	4.05	2.25	0.3	
0.011799	0.018945	0.002448	0.002793	0.001011	0.004104	0.011911	0.006724	0.004249	0.000367	
0.011446	0.018636	0.00242	0.002708	0.001004	0.003994	0.011603	0.006462	0.00414	0.000367	
295.906275	480.433754	5.055699			208.954954	2104.12397	858.734378	63.04701		
0.893771	1.555113	0.017741			0.667633	6.073922	2.558938	0.254177		
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
0.020833	0.02571	0.029308	0.029427	0.029877	0.019619	0.03507	0.037712	0.037135	0.035955	0.032057
980.7	1377.6	191.1	218.4	86.1	308.7	1033.2	510.3	333.9	31.5	
4458.33717	6883.80592	966.862516	1270.9044	468.803103	1852.73953	6103.69149	3058.74303	1834.79603	194.778622	
1.454058	2.373439	1.215296	1.173054	0.438751	0.844283	2.249624	1.574739	0.84562	0.117196	
58.438159	95.414761	1.058922			32.920312	351.827772	144.335824	12.6		
5593	4801.3	5109.72	5217.8	5541.34	5050.92	5727.82	5065.48	5176.36	5506.62	5203.66
13.708333	13.640056	13.62592	13.58802	13.581715	13.725326	13.509009	13.472021	13.480104	13.496617	13.516
5712	4928	5264	5376	5712	5152	5936	5264	5376	5712	5376
14	14	14.037333	14	14	14	14	14	14	14	13.963636
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
22.63253	37.778187	18.60444	17.595824	6.706267	12.717826	33.920877	23.733599	12.713149	1.757947	
22.63253	37.778187	18.60444	17.595824	6.706267	12.717826	33.920877	23.733599	12.713149	1.757947	
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
5024.541	8238.8962	1108.60199	1380.63771	519.531921	2140.85642	7064.70352	3497.162	2144.53488	214.587334	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
5024.541	8238.8962	1108.60199	1380.63771	519.531921	2140.85642	7064.70352	3497.162	2144.53488	214.587334	
112.78	139.98	136.37	81.72	99.24	104.31	172.62	120.54	83.99	81.4	69.57
4330.4309	6539.87216	972.306816	1270.9044	479.303103	1654.28458	4031.06752	2221.00866	1782.24902	194.778622	
4730.36171	7699.52077	1101.73907	1380.63771	519.531921	1896.02292	4680.59651	2509.90641	2070.58433	214.587334	
4.165821	6.368168	3.348234	2.8	1.12	1.936483	4.87708	3.663637	2.1	0.28	
61.484122	85.479015	12.669405	14.56	5.74	18.385312	45.424815	24.397611	21.42	2.1	
86.713661	81.247669	71.615693			102.765406	92.171638	94.338886	92.095355		
6.213012	11.478336	0.716156			3.082962	27.651491	14.030971	1.841907		

65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
0.160245	0.260909	0.033973	0.037916	0.014068	0.055923	0.162452	0.090478	0.057968	0.005147	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
3.895877	6.360984	0.070594			2.194687	23.455184	9.622388	0.84		
295.906275	480.433754	5.055699			208.954954	2104.12397	858.734378	63.04701		
3.89	4.44	0.67	0.92	0.33	0.74	2.12	1.13	0.86	0.11	
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0.25	0.25				0.07	0.83	0.41	0.02		
1462.9439	1946.6202	248.6043	251.4825	92.9914	409.065	1657.3912	780.1361	411.0354	36.7486	
0.16	0.13	0.01		0.01	0.01	0.03	0.02	0.01		
168	136.5	10.5		10.5	10.5	31.5	21	10.5		
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
4458.33717	6883.80592	966.862516	1270.9044	468.803103	1852.73953	6103.69149	3058.74303	1834.79603	194.778622	
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
168	136.5	10.5		10.5	10.5	31.5	21	10.5		
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
0.03	0.01									

10.753221	10.834553	10.921052	10.97471	11.207962	11.241979	11.125426	11.142971	11.217359	11.109364	11.079262
0.468916	0.437529	0.369661	0.354837	0.257621	0.281223	0.310165	0.305308	0.280829	0.318625	0.32434
0.45149	0.421209	0.355987	0.34115	0.225931	0.271172	0.298324	0.293077	0.26462	0.306958	0.311113
2231764.18	1767645.32	1539503.45	1293894.11	1159994.37	1264240.38	1737256.25	1474060.49	1236900.1	1416671.08	1476126.98
7287.51934	6042.98128	5984.88169	5656.59794	5172.43215	5315.95734	5805.53974	5288.02961	5529.53314	6121.91207	5606.30176
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
0.035077	0.034336	0.033065	0.034232	0.035176	0.033216	0.037309	0.034485	0.035551	0.033614	0.036474
719958.199	583200.567	533430.982	524055.345	377787.998	410143.02	514742.873	448668.766	415362.446	506778.638	482305.551
1189874.3	979372.391	825411.215	832157.637	574596.715	640795.538	839254.067	711953.976	642699.975	772753.667	730426.182
3.304311	3.319044	3.240011	3.265108	3.282875	3.230767	3.274863	3.242216	3.264214	3.216131	3.208905
1202343.05	967490.017	903926.332	883297.872	665381.971	688835.199	854787.237	749843.283	712954.168	863690.563	822098.374
9102.91468	6129.28226	1091.19911	474.847992	348.298112	1240.58458	11065.2224	4763.62915	1184.85889	118.116117	151.889398
144180.231	124265.44	132875.855	135527.797	131284.273	130227.292	149728.39	132419.909	132747.496	144291.531	135177.302
353.382919	353.026818	354.335613	352.936971	321.775178	353.87851	353.132995	352.180609	345.696604	353.655713	351.109875

149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
221.160497	269.069935	206.96845	209.314683	154.637274	179.888299	255.024457	203.736626	182.583271	134.578739	127.416574
37.187444	37.611299	36.90487	37.410724	38.389778	37.839493	38.024474	37.659456	38.159997	37.184956	36.988595
2558743.55	2081633.44	1852154.52	1832692.6	1358658.79	1431962.2	1818621.91	1571973.43	1465574.06	1754267.81	1663244.37
3610034.89	2759947.55	1988166.93	1929280.18	1036997.98	1202018.84	1751548.26	1436935.55	1190980.8	1570576.63	1543002.55
1051291.34	678314.108	136012.409	96587.584	-321660.82	-229943.37	-67073.651	-135037.88	-274593.26	-183691.18	-120241.83
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1741.61	1647.43	1643.76	1524.41	1270.04	1525.27	1964.58	1595.98	1377.95	1537.74	1401.59
276812.228	272420.689	265024.613	498779.454	134016.975	121790.794	32236.3161	50807.4597	176373.664	287234.333	139686.674
371927.877	367811.501	322714.758	620846.066	148828.429	137557.685	37932.0189	57787.6337	196026.772	327135.051	161204.08
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6109.95065	5789.80909	6587.12325	12334.0854	3389.18821	2824.94211	528.578394	1050.7357	4333.19659	7343.55686	3607.48982
48.207489	47.414721	38.691951	33.977372	28.501052	31.487992	44.33802	37.049761	30.211336	29.657958	31.136677
48.044382	47.168798	38.491408	33.086332	28.146351	30.790031	44.287414	37.006519	28.837647	29.168449	31.005515
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
165.742205	154.625909	131.031408	125.236177	82.939455	99.547407	109.514839	107.588686	97.142348	112.684553	113.9132
689556.546	386714.906	-139342.9	-171819.09	-517945.12	-441544.26	-328374.33	-365387.15	-488972.83	-447731.39	-372065.88
689556.546	386714.906	-139342.9	-171819.09	-517945.12	-441544.26	-328374.33	-365387.15	-488972.83	-447731.39	-372065.88
61512.8694	48638.5109	42549.6547	35756.6066	30450.1098	33808.5039	45905.7136	39402.6103	32969.4654	38631.7411	40249.0922
2231764.18	1767645.32	1539503.45	1293894.11	1159994.37	1264240.38	1737256.25	1474060.49	1236900.1	1416671.08	1476126.98
93.96	70.61	34.44	49.2	8.18	11.18	9.07	8.53	12.16	18.71	14.27
-1051291.3	-678314.11	-136012.41	-96587.584	321660.816	229943.37	67073.6512	135037.882	274593.262	183691.18	120241.825
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263.59	230.95	247.32	210.24	329.05	300.69	405.6	345.67	297.72	282.19	300.55
			0.000236	0.062165			0.000241	0.014914		0.000236
354651.488	292959.39	262980.464	241565.555	188360.176	239322.975	348289.757	285654.711	219436.691	256730.367	271635.888
4.99	4.55	3.85	3.85	4.92	3.4	4.16	3.65	4.56	3.96	3.66
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
2920478.34	2373232.65	2127509.83	2101099.27	1554943.09	1643563.09	2079922.58	1802322.7	1679953.63	2018308.02	1915068.43
2920478.34	2373232.65	2127509.83	2101099.27	1554943.09	1643563.09	2079922.58	1802322.7	1679953.63	2018308.02	1915068.43
2392217.35	1946862.41	1729337.55	1715455.51	1239978.69	1329630.74	1694041.3	1461797.26	1355654.14	1636444.23	1552524.56
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199

2920478.34	2373232.65	2127509.83	2101099.27	1554943.09	1643563.09	2079922.58	1802322.7	1679953.63	2018308.02	1915068.43
115556.525	92501.9741	75013.6818	76900.8136	53969.3598	56348.35	75269.3211	62992.6572	57530.5937	67414.9287	63289.0976
50.39	50.35	94.04	124.53	67.58	55.93	8.85	21.59	73.64	107.1	68.53

5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
704240.895	559029.842	446025.237	248687.978	487593.321	499656.444	1278830.72	958034.843	443160.287	383449.314	610340.24
2265.55926	1880.11953	1722.18038	1071.71474	2151.18724	2033.4998	4283.50486	3398.14595	1885.78919	1626.15142	2305.94317
-124648.04	-102934.77	-96210.351	-87564.408	-91554.258	-86992.868	-124725.6	-104211.13	-86072.662	-94320.282	-100811.07
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
704240.895	559029.842	446025.237	248687.978	487593.321	499656.444	1278830.72	958034.843	443160.287	383449.314	610340.24
261.6	229.52	245.91	208.46	330.63	299.55	405.67	345.31	296.65	280.72	300.2
199.480817	203.285604	173.309215	145.589245	164.237608	194.108385	257.49865	242.324888	194.331806	159.637628	192.477839
73.288103	80.563325	67.979632	52.830898	67.304159	70.575001	121.039505	109.137392	70.721995	62.020418	82.383672
21772.9571	20231.6574	17435.0736	11457.798	22512.8124	21566.7259	49335.6885	38001.8875	21383.2841	17956.0358	25292.3768
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-47.212763	-42.877281	-35.139429	-32.959405	-26.015704	-27.870497	-30.92225	-29.917111	-26.206084	-28.79895	-30.367042
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5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
6589148.08	4975440.04	3825762.94	3135254.7	2869134.14	2922236.52	5134124.49	4072042.68	2701522.46	3101437.06	3672344.08
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84

5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
704240.895	559029.842	446025.237	248687.978	487593.321	499656.444	1278830.72	958034.843	443160.287	383449.314	610340.24
2265.55926	1880.11953	1722.18038	1071.71474	2151.18724	2033.4998	4283.50486	3398.14595	1885.78919	1626.15142	2305.94317
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124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
704240.895	559029.842	446025.237	248687.978	487593.321	499656.444	1278830.72	958034.843	443160.287	383449.314	610340.24
261.6	229.52	245.91	208.46	330.63	299.55	405.67	345.31	296.65	280.72	300.2
199.480817	203.285604	173.309215	145.589245	164.237608	194.108385	257.49865	242.324888	194.331806	159.637628	192.477839

73.288103	80.563325	67.979632	52.830898	67.304159	70.575001	121.039505	109.137392	70.721995	62.020418	82.383672
21772.9571	20231.6574	17435.0736	11457.798	22512.8124	21566.7259	49335.6885	38001.8875	21383.2841	17956.0358	25292.3768
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-305.50989	-292.42833	-256.56094	-228.03231	-224.39769	-236.39366	-294.16415	-277.15727	-224.14756	-231.17716	-261.84694
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-47.212763	-42.877281	-35.139429	-32.959405	-26.015704	-27.870497	-30.92225	-29.917111	-26.206084	-28.79895	-30.367042
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6589148.08	4975440.04	3825762.94	3135254.7	2869134.14	2922236.52	5134124.49	4072042.68	2701522.46	3101437.06	3672344.08
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84

5145.8205	4105.99541	3910.73298	4350.14852	4530.91567	3655.22147	3305.90253	3207.06746	3851.8208	4870.45204	4349.68854
239692.79	176305.956	137538.471	144354.714	118118.276	98545.3473	93047.1043	89979.3756	98842.9968	140105.9	131811.097

25.393999	23.851964	49.383434	33.950267	25.53786	22.041912	28.754634	24.217318	27.079686		26.613292
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5145.8205	4105.99541	3910.73298	4350.14852	4530.91567	3655.22147	3305.90253	3207.06746	3851.8208	4870.45204	4349.68854
12.612305	11.664759	10.428621	11.328511	11.105185	9.932667	7.796939	8.529434	10.030783	11.937382	11.297892
239692.79	176305.956	137538.471	144354.714	118118.276	98545.3473	93047.1043	89979.3756	98842.9968	140105.9	131811.097
239692.79	176305.956	137538.471	144354.714	118118.276	98545.3473	93047.1043	89979.3756	98842.9968	140105.9	131811.097
5145.8205	4105.99541	3910.73298	4350.14852	4530.91567	3655.22147	3305.90253	3207.06746	3851.8208	4870.45204	4349.68854

-239692.79	-176305.96	-137538.47	-144354.71	-118118.28	-98545.347	-93047.104	-89979.376	-98842.997	-140105.9	-131811.1
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0.06	0.09	0.2	0.03	3.19	0.2	0.48	0.21	0.48		0.62
124648.035	101016.744	96210.3507	86114.9035	91554.258	86992.8678	124725.598	104211.133	86072.6623	93417.0678	98886.6541
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5145.8205	4105.99541	3910.73298	4350.14852	4530.91567	3655.22147	3305.90253	3207.06746	3851.8208	4870.45204	4349.68854
239692.79	176305.956	137538.471	144354.714	118118.276	98545.3473	93047.1043	89979.3756	98842.9968	140105.9	131811.097
239692.79	176305.956	137538.471	144354.714	118118.276	98545.3473	93047.1043	89979.3756	98842.9968	140105.9	131811.097
448937.21	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
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8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
417135.512	318460.09	273652.327	288860.597	221773.91	170466.964	170101.879	146464.209	166864.903	218949.233	223103.107
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21.845103	21.182704	21.047306	23.023171	21.012114	17.175529	13.552216	13.361492	16.879765	18.751884	19.272678
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8435.53865	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
448937.21	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
56733.1213	78737.6506	146793.922	182094.029	234906.747	166231.12	135994.995	121160.065	178422.173	188607.223	172159.302
56733.1213	78737.6506	146793.922	182094.029	234906.747	166231.12	135994.995	121160.065	178422.173	188607.223	172159.302
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
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8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
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417135.512	318460.09	273652.327	288860.597	221773.91	170466.964	170101.879	146464.209	166864.903	218949.233	223103.107
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424297.822	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
1395.78668	1290.01485	1564.57818	1961.61065	1931.98294	1379.48444	997.32173	924.282674	1486.96056	1680.76503	1431.21855
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468740.828	357793.626	307510.499	324353.62	249136.373	191813.686	191027.374	164425.901	187619.692	246223.583	250682.42

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24.54793	23.798656	23.653283	25.846041	23.604158	19.33312	15.210134	14.996707	18.980902	21.086135	21.656565
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424297.822	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
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124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
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448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
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20726.8145	-17585.435	-89953.369	-120380.24	-182406.19	-126991.02	-97956.67	-88247.029	-138985.46	-139283.28	-122933.4
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
5098.59951	4002.65787	3797.17441	4293.87959	4426.86438	3747.04841	3297.14143	3303.24841	3839.85197	4745.0942	4220.67978
237079.527	171736.545	133708.003	142203.3	115193.635	100659.505	92958.1749	92501.3469	98068.7396	136318.203	127932.238

5098.59951	4002.65787	3797.17441	4293.87959	4426.86438	3747.04841	3297.14143	3303.24841	3839.85197	4745.0942	4220.67978
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237079.527	171736.545	133708.003	142203.3	115193.635	100659.505	92958.1749	92501.3469	98068.7396	136318.203	127932.238
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124648.035	100967.72	96210.3507	87564.4077	89824.3236	84847.6023	124725.598	104211.133	86072.6623	94320.2824	98413.1933
5098.59951	4002.65787	3797.17441	4293.87959	4426.86438	3747.04841	3297.14143	3303.24841	3839.85197	4745.0942	4220.67978
5098.59951	4002.65787	3797.17441	4293.87959	4426.86438	3747.04841	3297.14143	3303.24841	3839.85197	4745.0942	4220.67978
237079.527	171736.545	133708.003	142203.3	115193.635	100659.505	92958.1749	92501.3469	98068.7396	136318.203	127932.238
237079.527	171736.545	133708.003	142203.3	115193.635	100659.505	92958.1749	92501.3469	98068.7396	136318.203	127932.238
4821.32516	3890.56754	3894.44952	4138.74346	4354.33109	3434.43177	3102.27639	2850.38975	3623.84048	4680.94181	4240.84984
225530.233	167274.192	136750.146	137095.763	113624.207	93338.5539	88381.4876	80608.3696	92878.169	134645.597	128395.769
										46.977125
										0.469771
4821.32516	3890.56754	3894.44952	4138.74346	4354.33109	3434.43177	3102.27639	2850.38975	3623.84048	4680.94181	4240.84984
11.816973	11.052748	10.385198	10.777977	10.67238	9.332695	7.316689	7.580823	9.437084	11.472896	11.015194
225530.233	167274.192	136750.146	137095.763	113624.207	93338.5539	88381.4876	80608.3696	92878.169	134645.597	128395.769
225530.233	167274.192	136750.146	137095.763	113624.207	93338.5539	88381.4876	80608.3696	92878.169	134645.597	128395.769
4821.32516	3890.56754	3894.44952	4138.74346	4354.33109	3434.43177	3102.27639	2850.38975	3623.84048	4680.94181	4240.84984
-225530.23	-167274.19	-136750.15	-137095.76	-113624.21	-93338.554	-88381.488	-80608.37	-92878.169	-134645.6	-128395.77
-225530.23	-167274.19	-136750.15	-137095.76	-113624.21	-93338.554	-88381.488	-80608.37	-92878.169	-134645.6	-128395.77
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124648.035	102934.774	96210.3507	87564.4077	91554.258	82876.5747	124725.598	96323.4275	86072.6623	94320.2824	100811.073
4821.32516	3890.56754	3894.44952	4138.74346	4354.33109	3434.43177	3102.27639	2850.38975	3623.84048	4680.94181	4240.84984
4821.32516	3890.56754	3894.44952	4138.74346	4354.33109	3434.43177	3102.27639	2850.38975	3623.84048	4680.94181	4240.84984
225530.233	167274.192	136750.146	137095.763	113624.207	93338.5539	88381.4876	80608.3696	92878.169	134645.597	128395.769
225530.233	167274.192	136750.146	137095.763	113624.207	93338.5539	88381.4876	80608.3696	92878.169	134645.597	128395.769
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
640.066527	606.009038	759.195086	953.247081	766.489448	832.070539	754.993058	694.700561	714.78648	592.507011	552.059737
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
177856.179	146011.693	129352.919	134576.655	86071.352	101294.834	125593.644	107522.876	78014.1018	75428.4275	83481.2021
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
9.323114	9.777373	10.039125	10.940841	8.195955	10.254937	10.100884	9.867672	7.957271	6.478387	7.296253

-17014.065	-30303.291	-63511.231	-80655.076	-85239.197	-92037.805	-93812.93	-82552.97	-78523.89	-59981.792	-60426.822
-17014.065	-30303.291	-63511.231	-80655.076	-85239.197	-92037.805	-93812.93	-82552.97	-78523.89	-59981.792	-60426.822
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
17014.0648	30303.2908	63511.2313	80655.076	85239.1969	92037.8053	93812.9298	82552.9701	78523.89	59981.792	60426.822
17014.0648	30303.2908	63511.2313	80655.076	85239.1969	92037.8053	93812.9298	82552.9701	78523.89	59981.792	60426.822
124648.035	102934.774	94745.4777	87564.4077	83692.5856	86992.8678	122224.144	104211.133	86072.6623	94320.2824	100811.073
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
177856.179	146011.693	129352.919	134576.655	86071.352	101294.834	125593.644	107522.876	78014.1018	75428.4275	83481.2021
-17014.065	-30303.291	-63511.231	-80655.076	-85239.197	-92037.805	-93812.93	-82552.97	-78523.89	-59981.792	-60426.822
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024

429368.767	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
1424.28919	906.027761	1525.46694	1913.33351	1571.70995	1455.40321	1074.14988	1059.01846	1539.6539	1867.47905	1403.96573
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
224080.239	118229.928	139442.046	147639.455	95560.7778	93874.1722	92139.1256	86566.9338	90692.2677	129567.678	114942.19
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
11.870483	7.927017	10.922325	11.979611	9.146655	9.706348	7.785055	8.172875	9.318517	11.124811	10.107972
-229939.41	-143696.47	-245037.47	-284178.58	-254746.61	-241423.49	-217712.94	-201895.7	-245203.76	-296501.02	-250359.41
-229939.41	-143696.47	-245037.47	-284178.58	-254746.61	-241423.49	-217712.94	-201895.7	-245203.76	-296501.02	-250359.41
4577.86744	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
429368.767	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
229939.406	143696.475	245037.47	284178.583	254746.606	241423.488	217712.942	201895.698	245203.765	296501.023	250359.413
229939.406	143696.475	245037.47	284178.583	254746.606	241423.488	217712.942	201895.698	245203.765	296501.023	250359.413
124648.035	100933.783	96060.8656	87564.4077	91462.102	86797.2809	123003.754	104211.133	85790.1304	94320.2824	100742.548
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603

4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
224080.239	118229.928	139442.046	147639.455	95560.7778	93874.1722	92139.1256	86566.9338	90692.2677	129567.678	114942.19
-229939.41	-143696.47	-245037.47	-284178.58	-254746.61	-241423.49	-217712.94	-201895.7	-245203.76	-296501.02	-250359.41
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
1497474.04	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
4936.96466	4167.07099	5504.21001	6905.63412	6314.7343	5123.78351	3882.90118	3657.00579	5313.3075	5917.45221	4901.35302
42641.091	34064.6053	36225.6223	40350.0031	38591.3358	31617.638	29484.1963	26806.635	31719.9128	37732.5055	35269.6041
1990115.31	1455812.03	1257954.41	1319084.1	999478.531	849993.063	853248.79	768069.012	812980.87	1081238.62	1060348.02

25.393999	23.851964	49.383434	33.950267	25.53786	22.041912	28.754634	24.217318	27.079686		27.475231
0.507879	0.477039	1.975337	0.679005	6.129086	0.440838	2.30037	1.210865	1.624781		1.648513
42641.091	34064.6053	36225.6223	40350.0031	38591.3358	31617.638	29484.1963	26806.635	31719.9128	37732.5055	35269.6041
104.512478	96.774446	96.601659	105.078133	94.586607	85.917494	69.538198	71.294241	82.603939	92.481631	91.609361
419342.771	244993.841	-137299.37	-243654.15	-410362.62	-334140.02	-271090.77	-230766.67	-351345.39	-273303.61	-217739.83
419342.771	244993.841	-137299.37	-243654.15	-410362.62	-334140.02	-271090.77	-230766.67	-351345.39	-273303.61	-217739.83
41362.2086	34064.6053	36225.6223	40350.0031	38591.3358	31617.638	29484.1963	26806.635	31719.9128	37732.5055	35269.6041
1497474.04	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
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0.06	0.09	0.2	0.03	3.19	0.2	0.48	0.21	0.48		0.65
872536.245	714657.342	671858.097	611501.35	631196.043	602492.929	868855.89	721590.224	602226.104	659338.762	701286.687
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
42641.091	34064.6053	36225.6223	40350.0031	38591.3358	31617.638	29484.1963	26806.635	31719.9128	37732.5055	35269.6041
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
42641.091	34064.6053	36225.6223	40350.0031	38591.3358	31617.638	29484.1963	26806.635	31719.9128	37732.5055	35269.6041
1990115.31	1455812.03	1257954.41	1319084.1	999478.531	849993.063	853248.79	768069.012	812980.87	1081238.62	1060348.02
419342.771	244993.841	-137299.37	-243654.15	-410362.62	-334140.02	-271090.77	-230766.67	-351345.39	-273303.61	-217739.83
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85

10.753221	10.834553	10.921052	10.97471	11.207962	11.241979	11.125426	11.142971	11.217359	11.109364	11.079262
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5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
4433479.12	3537493.35	3380782.47	3105320.35	3057428.84	2948029.91	4140426.54	3430931.02	2844386.64	3154662.63	3364555.07
14490.0433	12090.1718	13211.2721	13633.9468	13638.3537	12473.2406	13971.9458	12343.1814	12728.6298	13665.5157	12813.5979
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4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
0.035077	0.034336	0.033065	0.034232	0.035176	0.033216	0.037309	0.034485	0.035551	0.033614	0.036474
719958.199	583200.567	533430.982	524055.345	377787.998	410143.02	514742.873	448668.766	415362.446	506778.638	482305.551
1189874.3	979372.391	825411.215	832157.637	574596.715	640795.538	839254.067	711953.976	642699.975	772753.667	730426.182
3.304311	3.319044	3.240011	3.265108	3.282875	3.230767	3.274863	3.242216	3.264214	3.216131	3.208905
1202343.05	967490.017	903926.332	883297.872	665381.971	688835.199	854787.237	749843.283	712954.168	863690.563	822098.374
9102.91468	6129.28226	1091.19911	474.847992	348.298112	1240.58458	11065.2224	4763.62915	1184.85889	118.116117	151.889398
144180.231	124265.44	132875.855	135527.797	131284.273	130227.292	149728.39	132419.909	132747.496	144291.531	135177.302
353.382919	353.026818	354.335613	352.936971	321.775178	353.87851	353.132995	352.180609	345.696604	353.655713	351.109875
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
221.160497	269.069935	206.96845	209.314683	154.637274	179.888299	255.024457	203.736626	182.583271	134.578739	127.416574
37.187444	37.611299	36.90487	37.410724	38.389778	37.839493	38.024474	37.659456	38.159997	37.184956	36.988595
2558743.55	2081633.44	1852154.52	1832692.6	1358658.79	1431962.2	1818621.91	1571973.43	1465574.06	1754267.81	1663244.37
3610034.89	2759947.55	1988166.93	1929280.18	1036997.98	1202018.84	1751548.26	1436935.55	1190980.8	1570576.63	1543002.55
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
1051291.34	678314.108	136012.409	96587.584	-321660.82	-229943.37	-67073.651	-135037.88	-274593.26	-183691.18	-120241.83
5600150.2	4215759.58	3246121.34	3248364.28	2036476.51	2052011.9	2604797.05	2205004.56	2003961.67	2651815.25	2603350.57
1741.61	1647.43	1643.76	1524.41	1270.04	1525.27	1964.58	1595.98	1377.95	1537.74	1401.59
276812.228	272420.689	265024.613	498779.454	134016.975	121790.794	32236.3161	50807.4597	176373.664	287234.333	139686.674
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
704240.895	559029.842	446025.237	248687.978	487593.321	499656.444	1278830.72	958034.843	443160.287	383449.314	610340.24
261.6	229.52	245.91	208.46	330.63	299.55	405.67	345.31	296.65	280.72	300.2
199.480817	203.285604	173.309215	145.589245	164.237608	194.108385	257.49865	242.324888	194.331806	159.637628	192.477839

4.885873	5.370888	4.531975	3.522059	4.486943	4.705	8.0693	7.275826	4.714799	4.134694	6.337205
21,773	20,232	17,435	11,458	22,513	21,567	49,336	38,002	21,383	17,956	25,292
371927.877	367811.501	322714.758	620846.066	148828.429	137557.685	37932.0189	57787.6337	196026.772	327135.051	161204.08
5.72878	6.820926	6.867179	8.843603	4.114418	4.531248	3.163238	3.452935	5.353989	4.995426	3.859151
6,110	5,790	6,587	12,334	3,389	2,825	529	1,051	4,333	7,344	3,607
48.145679	47.384338	38.81591	33.951211	28.379654	31.449756	44.110727	36.936729	30.207947	29.657958	31.072507
47.982624	47.138437	38.618868	33.068002	28.045761	30.752586	44.061204	36.893704	28.855493	29.168449	30.943666
-14384.124	-14441.848	-10847.95	876.287387	-19123.624	-18741.784	-48807.11	-36951.152	-17050.087	-10612.479	-21684.887
-35.255205	-41.027978	-28.927867	2.281998	-46.871628	-50.92876	-115.11111	-98.274339	-44.401269	-26.010977	-56.324381
-9171891.6	-7577228.6	-7707488.5	-7439342.3	-7705732.3	-7163179.1	-9023030.2	-7761270.2	-7235982.7	-7834906.5	-7789111.9
-73.589589	-73.622499	-80.130047	-84.979584	-84.173616	-82.387927	-72.396263	-74.543746	-84.122333	-83.079556	-77.274309
-9171891.6	-7577228.6	-7707488.5	-7439342.3	-7705732.3	-7163179.1	-9023030.2	-7761270.2	-7235982.7	-7834906.5	-7789111.9
102875.078	82703.1162	78775.2771	76106.6097	69041.4456	65426.1419	75389.9099	66209.2453	64689.3782	76364.2466	75518.6962
3729238.22	2978463.51	2934757.23	2856632.37	2569835.52	2448373.46	2861595.81	2472896.18	2401226.36	2771213.31	2754214.83
8810156.78	7285629.37	7432133.19	7170935.61	7509447.97	6951578.18	8761729.49	7530920.9	7021603.13	7570866.25	7537287.81
9142469.8	7476847.71	7555443.66	6798777.52	7848212.86	7313676.94	10002628.2	8431168.11	7268736.65	7627180.51	7986423.97
			0.000236	0.062165			0.000241	0.014914		0.000236
1351835.77	1110551.5	1031048.91	940631.313	911110.477	928808.772	1341871.25	1111456.07	907735.457	1010389.41	1073733.65
4.99	4.55	3.85	3.85	4.92	3.4	4.16	3.65	4.56	3.96	3.66
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
14772041.8	11792988.2	10953609.8	10687706.6	9742208.77	9215190.97	11627827.2	9966274.73	9239944.37	10486721.7	10392462.4
10376158.1	8000461.03	6902501.32	6550404.25	5346325.07	5250276.25	7059555.91	5915166.22	5102642.06	6090838.01	6255160.12
2392217.35	1946862.41	1729337.55	1715455.51	1239978.69	1329630.74	1694041.3	1461797.26	1355654.14	1636444.23	1552524.56
110263.911	88492.9253	85362.4003	88440.6951	72430.6338	68251.084	75918.4883	67259.981	69022.5748	83707.8035	79126.1861
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
10376158.1	8000461.03	6902501.32	6550404.25	5346325.07	5250276.25	7059555.91	5915166.22	5102642.06	6090838.01	6255160.12
115556.525	92501.9741	75013.6818	76900.8136	53969.3598	56348.35	75269.3211	62992.6572	57530.5937	67414.9287	63289.0976
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
42641.091	34064.6053	36225.6223	40350.0031	38591.3358	31617.638	29484.1963	26806.635	31719.9128	37732.5055	35269.6041
1990115.31	1455812.03	1257954.41	1319084.1	999478.531	849993.063	853248.79	768069.012	812980.87	1081238.62	1060348.02
419342.771	244993.841	-137299.37	-243654.15	-410362.62	-334140.02	-271090.77	-230766.67	-351345.39	-273303.61	-217739.83
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85

2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
-4223711.6	-4307966	-3868377.7	-4132130.7	-4395883.7	-4307966	-4044213	-4659636.7	-4132130.7	-4395883.7	-4307966
-4223711.6	-4307966	-3868377.7	-4132130.7	-4395883.7	-4307966	-4044213	-4659636.7	-4132130.7	-4395883.7	-4307966
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
31.566189	48.478843	44.19888	35.918896	33.908876	26.808925	27.988842	30.998927	30.358898	26.718888	29.628834
26.772548	20.775786	20.775759	20.775732	20.775719	20.775813	20.775786	20.77584	20.775773	20.775799	20.775746
31.441799	48.353376	44.073397	35.793407	33.783395	26.683424	27.863375	30.873425	30.233408	26.593402	29.50337
31.537483	48.449889	44.169923	35.889937	33.879919	26.779963	27.959888	30.969965	30.329939	26.68993	29.599881
30.819853	47.726036	43.445984	35.165961	33.155989	26.055919	27.236039	30.245916	29.605958	25.965972	28.87605
31.097337	48.005926	43.725907	35.445898	33.435909	26.335883	27.515927	30.525882	29.885897	26.245902	29.155931
$ 31.52	$ 48.43	$ 44.15	$ 35.87	$ 33.86	$ 26.76	$ 27.94	$ 30.95	$ 30.31	$ 26.67	$ 29.58
$ 31.56	$ 48.47	$ 44.19	$ 35.91	$ 33.90	$ 26.80	$ 27.98	$ 30.99	$ 30.35	$ 26.71	$ 29.62

24.668451	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182
1.5	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
31.26	48.17	43.89	35.61	33.6	26.5	27.68	30.69	30.05	26.41	29.32
7.230542	7.302666	7.350014	6.5869	5.983734	5.632018	5.652782	5.691668	5.678777	5.671437	5.754923
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
0.025306	0.03079	0.02946	0.031436	0.0346	0.022474	0.032663	0.026061	0.040345	0.030075	0.025892
8596.8	8548.425	7686.675	8194.05	8688.6	8621.775	8009.55	9291.375	8118.675	8729.325	8591.625
21.930612	21.807206	21.837144	21.8508	21.7215	21.994323	21.765081	21.91362	21.59222	21.823312	21.91741
8820	8820	7920	8460	9000	8820	8280	9540	8460	9000	8820
22.5	22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5

3.04	10.76	6.41	10.62	0.94	15.4	6.81	8.02	7.76	14.09	4.62

0.75352	7.25263	7.629389	6.02816	6.781679	2.91989	2.91989	5.93397	3.86179	3.29665	1.97799
0.00055	0.089694	0.08666	0.033551	0.045395	0.009668	0.016939	0.039877	0.021904	0.013152	0.003759
0.000535	0.087551	0.083409	0.032659	0.044525	0.009464	0.016548	0.038419	0.021356	0.01265	0.003673
835.906986	58631.5587	35649.8323	9277.54546	19249.708	1904.25428	8544.03785	57402.7123	24548.2828	4465.00621	766.968963
2.450117	180.217741	115.375964	32.598555	80.300149	7.818277	28.221599	165.321303	76.192047	15.092444	3.081994
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52

0.020561	0.025357	0.040312	0.035132	0.02645	0.03278	0.029347	0.033891	0.028058	0.031075	0.026377
114.72342	18749.0846	16039.4267	6708.58856	9729.63862	2026.78042	3326.97918	8899.25958	4386.80506	2764.28812	786.67488
812.648111	106602.285	94665.9515	40130.021	56740.0864	10993.2384	19477.7696	53553.3867	26676.9861	15404.6399	4336.79908
0.556551	4.481014	4.868207	3.697823	4.297148	1.698568	1.804653	3.706305	2.460076	1.968426	1.182275
102.006866	8607.53007	4979.09578	1331.79945	2770.69884	296.70776	1207.12913	8073.70077	3422.30452	672.299637	103.490242
22268.52	22159.48	19592.98	21041.82	22586.36	21990.7	20717.6	23758.54	21196.1	22479.06	22136.28
56.807448	56.529285	55.661875	56.11152	56.4659	56.098724	56.297826	56.034292	56.372606	56.19765	56.470102
22736	22736	20416	21808	23200	22736	21344	24592	21808	23200	22736
58	58	58	58.154666	58	58	58	58	58	58	58
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
6.132493	50.276765	54.280286	41.633405	48.050933	19.240635	20.203498	41.528509	27.434311	22.213074	13.472713
6.132493	50.276765	54.280286	41.633405	48.050933	19.240635	20.203498	41.528509	27.434311	22.213074	13.472713
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
992.846063	143823.565	135515.941	54963.3946	76829.2911	15481.0735	28663.002	79969.616	38502.0331	22669.8312	5499.83578
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
992.846063	143823.565	135515.941	54963.3946	76829.2911	15481.0735	28663.002	79969.616	38502.0331	22669.8312	5499.83578
110.47	238.66	222.38	183.88	198.85	80.23	109.64	237.67	173.87	59.95	118.14
106.383924	68316.6708	76401.3888	38147.8681	48103.2572	11282.7217	14513.1115	5887.19546	6849.00973	13947.8245	4457.45211
111.428849	76946.5734	92533.5751	44122.4902	55183.8073	13287.9443	17634.5091	7274.82883	8307.07365	17004.3185	4690.39901
1.169555	33.215524	38.084023	31.720823	34.815597	16.132728	13.529618	10.355081	7.385695	18.121489	10.492216
1.350095	1076.71245	1174.25745	570.845005	738.819384	183.679016	225.061051	87.648243	102.399462	222.103034	72.532608
78.559963	68.104305	69.454586	66.666417	68.428285	61.492001	67.003514	70.602194	69.892618	64.595004	67.309626
6.284797	50.906621	53.370201	37.944631	44.393656	9.83872	17.42088	44.442686	28.640178	12.853134	4.711673
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
0.031071	5.077959	4.837727	1.899306	2.58245	0.548928	0.959836	2.228349	1.23867	0.7337	0.213061
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
10.829904	913.847549	528.622548	141.394994	294.160615	31.500983	128.158948	857.171756	363.340537	71.376965	10.987391
835.906986	58631.5587	35649.8323	9277.54546	19249.708	1904.25428	8544.03785	57402.7123	24548.2828	4465.00621	766.968963
0.05	20.02	16.15	8.12	12.44	2.75	3.51	2.5	2.5	2.84	1.24
-50.555152	-16875.335	-23464.72	-7537.981	-9476.3259	-2294.0975	-5605.8526	-16679.708	-7104.7406	-4257.0004	-275.41471
-161.984	-93821.909	-115998.3	-51660.471	-64660.133	-15582.042	-23240.362	-23954.537	-15411.814	-21261.319	-4965.8137
0.16	7.35	2.95	0.79	2.43	0.11	0.56	7.84	3.11	0.45	0.09
71.6385	10914.1309	8778.6136	3366.9008	4212.9036	869.7201	1718.3678	5639.1832	2561.4071	1296.2405	338.0504
0.02	0.84	0.68	0.33	0.54	0.08	0.09	0.55	0.12	0.14	0.1

10.2788	440.3448	356.4696	172.9926	283.0788	41.9376	47.1798	288.321	62.9064	73.3908	52.422
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
812.648111	106602.285	94665.9515	40130.021	56740.0864	10993.2384	19477.7696	53553.3867	26676.9861	15404.6399	4336.79908
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
10.2788	440.3448	356.4696	172.9926	283.0788	41.9376	47.1798	288.321	62.9064	73.3908	52.422
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
119.364	19905.6	17028.8	7122.4	10329.8	2151.8	3532.2	9448.2	4657.4	2934.8	835.2
	0.9	0.84	0.64							0.11
11.035197	10.778126	10.823918	10.973696	11.003404	11.189541	11.233474	11.139467	11.157201	11.196956	11.11111
0.607734	0.812436	0.748633	0.64982	0.578747	0.518745	0.497949	0.537451	0.531496	0.517115	0.552109
0.586724	0.786135	0.720176	0.624798	0.279813	0.501721	0.479565	0.519182	0.514008	0.499106	0.534852
963098.811	1196352.88	969853.489	809163.778	315191.485	750531.928	708768.105	988784.249	852554.703	734092.237	685285.086
3116.63304	3850.68184	3255.34102	3084.23268	1334.54129	3296.69594	2946.84295	3267.99121	3002.35617	3178.91428	2923.05841
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
0.035127	0.033086	0.040028	0.037898	0.037525	0.034081	0.037663	0.034976	0.034255	0.035825	0.031862
279976.95	365775.619	302659.897	284204.997	136024.273	243481.702	219509.412	271436.172	238633.26	247191.454	257879.979
419577.226	567815.764	469167.567	440086.596	210773.667	376674.965	341667.596	423227.512	372622.693	382881.302	399404.063
3.4217	3.488599	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886
538031.704	709092.615	586736.476	550959.807	263696.655	472013.628	425540.946	526206.163	462614.438	479205.353	499926.128
41983.53	42072.33	37508.01	40154.25	21417.45	42029.04	39309.54	45417.87	40306.32	42809.37	42125.61
107.100841	107.327372	106.556846	107.078	53.543625	107.216938	106.819402	107.117617	107.197659	107.023425	107.46329
43512	43512	39072	41736	44400	43512	40848	47064	41736	44400	43512
111	111	111	111.296	111	111	111	111	111	111	111
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
40.033703	39.848623	40.042125	40.557966	41.651544	41.440583	41.57739	41.20775	41.232891	41.528112	41.094121
39.640597	39.51768	39.677848	40.205934	40.306575	40.957614	41.100675	40.768232	40.827532	40.979676	40.682936
1014620.82	1351578.88	1118823.73	1049400.4	513179.711	900002.524	813511.154	1006151.33	884308.953	915548.934	953108.803
920574.783	1831719.44	1413211.47	1094767.4	507809.891	686117.494	633096.717	905316.435	757898.615	704425.005	787062.208
-94046.034	480140.564	294387.744	45366.9981	-5369.8205	-213885.03	-180414.44	-100834.89	-126410.34	-211123.93	-166046.59
920574.783	1831719.44	1413211.47	1094767.4	507809.891	686117.494	633096.717	905316.435	757898.615	704425.005	787062.208
378.23	379.03	337.91	361.75	192.95	378.64	354.14	409.17	363.12	385.67	379.51
42505.726	146231.656	140076.958	231949.701	183132.406	140072.016	96051.8889	7564.25745	23871.5704	170542.218	258728.316
47501.2947	211427.546	203773.506	295709.127	236531.318	156341.975	102046.575	8112.40603	25471.6817	189924.813	283399.792

20.415863	27.117141	31.202416	40.747202	53.793076	36.942625	33.573963	15.090529	23.197344	40.946026	49.178551
1123.83945	3760.36436	3612.05884	5982.84463	4705.30286	3597.19698	2427.56044	191.990633	605.762293	4364.8025	6643.95909
30.970326	41.062974	36.941188	31.753273	30.22501	26.14133	27.493296	28.759847	29.05792	26.133798	28.799697
30.92281	41.038137	36.889368	31.447969	29.130573	25.49832	26.498682	28.747997	29.019064	25.040289	27.968627
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
65.126474	87.261056	79.939636	69.537605	31.059335	55.691102	53.231788	57.629264	57.054994	55.40078	59.368637
-240389.99	288949.648	136187.416	-103186.95	-76469.708	-341152.92	-295152.01	-242714.58	-251143.94	-340330.9	-300840.46
-240389.99	288949.648	136187.416	-103186.95	-76469.708	-341152.92	-295152.01	-242714.58	-251143.94	-340330.9	-300840.46
24405.7385	30445.9696	24526.6932	20093.7574	7718.43114	18233.715	17161.7376	24242.8174	20846.9157	17795.5095	16628.5469
963098.811	1196352.88	969853.489	809163.778	315191.485	750531.928	708768.105	988784.249	852554.703	734092.237	685285.086
3.63	57.57	38.41	27.89	15.4	5.08	3.85	0.61	1.12	6.57	7.03
94046.0336	-480140.56	-294387.74	-45366.998	5369.82049	213885.03	180414.437	100834.891	126410.338	211123.93	166046.594
46544.7389	-691568.11	-498161.25	-341076.13	-231161.5	57543.0552	78367.8624	92722.4854	100938.656	21199.117	-117353.2
324.48	227.63	207.6	220.6	96.64	285.79	276.26	372.73	324.77	283.63	248.7
				0.5						
113264.138	114239.352	97127.5369	91604.4069	41251.1631	83652.5836	82360.2911	118893.985	99650.6056	85978.4075	86374.4864
0.91	0.89	0.88	0.82	1.47	0.93	0.86	0.97	0.78	1.08	0.9
9016.28	8994.34	8893.28	8286.92	14855.82	9398.58	8691.16	9802.82	7882.68	10914.48	9095.4
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
957608.93	1276908.38	1055904.04	991046.403	474470.322	848688.593	767208.542	949433.675	835237.131	862086.655	899330.191
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
9016.28	8994.34	8893.28	8286.92	14855.82	9398.58	8691.16	9802.82	7882.68	10914.48	9095.4
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
47995.6066	65676.1613	54026.4038	50067.0758	23853.5693	41915.351	37611.4522	46914.8314	41189.1418	42547.799	44683.2115
38.11	50.2	52.08	91.23	54.09	72.4	57.2	7.72	18.84	77.76	112.13

0.034642	0.03579	0.030056	0.019893	0.0348	0.031479	0.033586	0.029976	0.030691	0.02945	0.03426

1135.26	1133.91	1024.26	1105.56	1158.24	1138.98	1066.92	1233.87	1093.38	1164.66	1135.71
2.896071	2.892627	2.909829	2.94816	2.8956	2.905561	2.899239	2.91007	2.907925	2.91165	2.897219
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

11.469915	11.259959	11.30309	11.450332	11.493052	11.680337	11.68495	11.622156	11.549535	11.746372	11.503549
0.74687	0.859783	0.817955	0.75502	0.720166	0.628927	0.634322	0.650595	0.693886	0.618665	0.704849
0.599375	0.825338	0.775879	0.722243	0.685898	0.340905	0.607287	0.622005	0.662737	0.475292	0.67484
309562.875	429179.323	363853.179	364914.332	370839.92	183340.099	307954.545	362290.836	339693.412	261417.349	358471.704
997.944239	1388.70697	1228.23267	1405.18571	1604.03412	810.802815	1289.19381	1203.95595	1205.84274	1179.66739	1546.46066
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
0.04329	0.040255	0.053181	0.044361	0.048075	0.050841	0.042445	0.044316	0.04343	0.046075	0.043316
114347.412	155331.676	131721.327	132324.71	134522.486	66435.8471	111536.683	131074.06	122826.153	94822.7517	130021.51
171456.859	241002.271	204345.942	204826.764	208262.896	103114.593	173334.564	203999.407	191252.132	147118.988	201343.859
2.5991	2.6495	2.6495	2.6495	2.6495	2.649499	2.6495	2.6495	2.6495	2.6495	2.6495
125679.24	170787.178	144827.599	145491.018	147907.474	73046.2139	122634.582	144115.929	135047.355	104257.616	142958.65
13517.05	16177.46	14331.04	15450.76	16373.11	9117.72	15152.34	17424.03	15425.39	13174.34	16125.86
34.48227	41.26903	40.713181	41.202026	40.932775	23.259489	41.174836	41.09441	41.024973	32.93585	41.137397
16856	16856	15136	16168	17200	16856	15824	18232	16168	17200	16856
43	43	43	43.114666	43	43	43	43	43	43	43
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
32.100519	31.50677	31.75226	32.205194	32.270854	33.804977	32.753928	32.643162	32.389853	33.812999	32.32089
31.042739	31.080934	31.192747	31.593495	31.699921	32.193849	32.198802	32.025507	31.830901	32.363197	31.725128
318972.488	434277.283	369750.819	371211.812	377064.723	191690.354	312979.296	368738.256	345141.232	271941.251	364568.976
349052.523	717434.448	561300.206	464534.404	450859.29	176448.04	303549.576	399574.622	361244.168	249920.031	371491.052
30080.0358	283157.164	191549.387	93322.5923	73794.5675	-15242.314	-9429.7202	30836.3655	16102.9357	-22021.22	6922.07588
349052.523	717434.448	561300.206	464534.404	450859.29	176448.04	303549.576	399574.622	361244.168	249920.031	371491.052
314.35	376.22	333.28	359.32	380.77	212.04	352.38	405.21	358.73	306.38	375.02
				77.263163	3.594866	26.750815			178.04179	49.691639
				103.315662	4.276624	29.558282			211.706306	57.723526
				0.807543	0.095837	0.437009			1.963538	0.404659
				2.570728	0.118179	0.861331			5.766922	1.632933
35.905287	46.248932	43.047745	33.423421	31.808693	24.441504	28.203536	26.304535	27.655814	28.61436	30.041207
5.744846	12.487211	10.331458	11.029729	28.305125	13.442647	8.703039	7.365269	7.743628	12.523221	10.50478
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
25.773137	35.48954	33.362812	31.139306	29.493625	14.658954	26.113369	26.746226	28.497712	20.437575	29.018137
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-29689.356	201965.297	122698.649	24156.4666	3479.66389	-49968.331	-67729.944	-37676.046	-48098.295	-71585.073	-61040.167

10103.07	13911.9	11743.71	11677.24	11794.8793	5746.19182	9608.85867	11340.4	10715.14	8169.26308	11373.4771
309562.875	429179.323	363853.179	364914.332	370839.92	183340.099	307954.545	362290.836	339693.412	261417.349	358471.704
				0.03						
-30080.036	-283157.16	-191549.39	-93322.592	-73794.568	15242.3139	9429.72021	-30836.366	-16102.936	22021.2202	-6922.0759
-30080.036	-283157.16	-191549.39	-93322.592	-73897.883	15238.0372	9400.16192	-30836.366	-16102.936	21809.5139	-6979.7994
1.47	3	2.67	3.42	29.02	7.46	2.01	3.27	3.28	2.35	2.56
0.160714					0.428571			0.002659	0.1975	
92228.1514	112827.496	95118.5074	90110.4012	85072.6367	44811.72	81396.2003	116410.995	97768.0921	64482.0611	84054.102
1.92	1.02	1.18	1.26	1.23	1.67	1	1.29	1.09	2.07	1.21
9409.6128	5097.96	5897.64	6297.48	6147.54	8346.66	4998	6447.42	5447.82	10345.86	6047.58
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
297136.099	411789.448	349173.541	350317.782	356170.37	176160.806	295969.146	348115.336	326299.487	251376.603	344302.508
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
9409.6128	5097.96	5897.64	6297.48	6147.54	8346.66	4998	6447.42	5447.82	10345.86	6047.58
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
12426.7761	17389.875	14679.6375	14596.55	14746.8125	7182.8875	12012.15	14175.5	13393.925	10218.7875	14218.8875
				0.07						
0.02528	0.027525	0.032272	0.042978	0.021475	0.026887	0.044565	0.0429	0.023111	0.032	0.022525
1146.27	1143.63	1021.92	1079.52	1174.23	1144.38	1054.8	1217.43	1101.93	1161.6	1149.51
2.924158	2.917423	2.903181	2.87872	2.935575	2.919336	2.866304	2.871297	2.930664	2.904	2.932423
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

6.583458	9.155358	5.475971	4.769586	0.98776	2.690887	6.220466	3.378635	1.69661
0.012862	0.023898	0.006135	0.006352	0.001855	0.004613	0.012829	0.005655	0.003922
0.012469	0.022931	0.005994	0.00624	0.001739	0.004581	0.012415	0.005489	0.0037
3625.74681	3677.51112	588.759289	908.985173	256.551885	1292.9491	14095.6694	3088.13461	882.060347

	11.069881	11.684034	2.144672	3.777182	1.048287	3.904725	39.567918	9.253208	2.789213	
	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
0.025153	0.029119	0.035	0.031289	0.0307	0.02667	0.030584	0.027653	0.030159	0.034287	0.024553
	3426.4	5704.4	1587.1	1753.2	484.9	1200.3	3742.4	1466.4	1051.6	
	16876.7631	30308.9636	8325.2426	9823.44837	2641.00194	7058.53629	22659.964	8971.17632	5885.38177	
	2.379592	3.577373	2.068195	1.944051	0.382645	1.117874	2.615874	1.44703	0.683395	
	757.113047	629.010225	113.139082	163.425152	49.784783	210.073573	2308.52004	498.174624	163.340127	
19170.3	19068.4	16986.7	18208.3	19399.5	19128.7	17875.8	20627.7	18220.7	19221.1	19160
48.903826	48.643877	48.25767	48.555466	48.49875	48.797704	48.575543	48.650235	48.459308	48.05275	48.877551
19600	19600	17600	18800	20000	19600	18400	21200	18800	20000	19600
50	50	50	50.133333	50	50	50	50	50	50	50
	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
	35.804534	71.481596	39.296623	32.339489	8.162838	25.599844	66.923543	31.006839	16.576431	
	33.965096	50.758714	29.240048	27.482799	5.409327	15.84549	37.450608	20.409246	9.671407	
	17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
	18701.7417	35757.1427	9309.48218	10872.0345	3027.5608	8427.31154	27220.0167	10623.2961	6819.61056	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	18701.7417	35757.1427	9309.48218	10872.0345	3027.5608	8427.31154	27220.0167	10623.2961	6819.61056	
108.97	209.74	249.61	202.46	171.44	110.02	158.43	343.85	243.38	97.34	135.25
	13419.1553	26814.6784	7775.23031	8974.5132	2393.74406	5775.16819	8766.39359	5904.77571	5010.75742	
	14670.6221	31466.2837	8679.22186	9888.38643	2734.96696	6813.95038	10460.1253	6926.30226	5754.44699	
	7.548339	13.315852	7.81688	6.871784	1.423274	4.243233	6.065575	4.113567	2.587862	
	190.543318	359.142126	104.618636	113.126774	30.608229	69.598464	99.664486	67.838042	62.332848	
	74.674723	87.5339	73.607204	82.243907	79.959721	92.282434	90.742229	89.812422	78.079406	
	21.180276	32.266571	12.513224	7.376076	1.599194	9.228243	38.966039	17.905644	5.465558	
	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
	0.623469	1.14659	0.300533	0.312	0.086989	0.229076	0.620754	0.274468	0.185	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	53.856681	44.457873	8.081363	11.673225	3.49177	14.701535	163.535513	35.361957	11.667151	
	3625.74681	3677.51112	588.759289	908.985173	256.551885	1292.9491	14095.6694	3088.13461	882.060347	
	3.25	4.8	1.55	2.1	0.49	1.11	2.05	1.32	1.03	
	-1656.8396	-5264.9531	-945.49258	-988.53609	-377.26486	-1359.1942	-4357.9537	-1630.3858	-926.79279	
	-16327.462	-36731.237	-9624.7144	-10876.923	-3112.2318	-8173.1446	-14818.079	-8556.688	-6681.2398	
	0.44	0.5	0.09	0.15	0.04	0.21	1.55	0.22	0.02	

1992.7777	3430.1525	830.5477	772.8537	245.3913	764.7235	2797.2978	994.9372	600.9445	
0.29	0.22	0.06	0.1	0.01		0.25	0.02		
165.851	157.486	34.314	57.19	5.719		174.643	11.438		
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
16876.7631	30308.9636	8325.2426	9823.44837	2641.00194	7058.53629	22659.964	8971.17632	5885.38177	
244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
165.851	157.486	34.314	57.19	5.719		174.643	11.438		
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
2.288	25.74	4.433	2.86	3.575	9.581	27.456	10.296	7.436	
0.01	0.14	0.1							

0.021301	0.025994	0.022187	0.025531	0.01915	0.029387	0.030978	0.039787	0.036303	0.030275	0.025586

1534.6	1527.24	1376.76	1465.6	1569.36	1521.92	1426.4	1628.52	1449.4	1551.56	1527.88
3.914795	3.89602	3.91125	3.908266	3.9234	3.882448	3.876086	3.840849	3.854787	3.8789	3.897653
1568	1568	1408	1504	1600	1568	1472	1696	1504	1600	1568
4	4	4	4.010666	4	4	4	4	4	4	4

10.446017	10.222991	10.253534	10.39407	10.417359	10.634843	10.666253	10.548616	10.552217	10.664256	10.468202
0.528564	0.714191	0.677345	0.559579	0.508756	0.374977	0.364215	0.412515	0.409975	0.384431	0.454522
0.501382	0.67548	0.642199	0.528151	0.475295	0.267824	0.346444	0.389631	0.384609	0.366739	0.431795
413696.027	558288.211	478708.875	421956.286	383916.81	227381.831	279754.944	362498.205	317332.52	315100.582	358533.39
1338.62555	1807.71787	1614.6865	1615.88276	1653.11991	1003.07647	1150.50918	1180.48943	1108.07933	1384.29419	1535.20872
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
0.051913	0.057321	0.053806	0.059521	0.06625	0.066096	0.050869	0.056179	0.066409	0.047325	0.051096
118412.365	156498.058	134221.574	119157.853	114843.785	64759.4773	79052.133	101336.061	88655.4554	90680.5597	103032.949
177558.595	243060.027	208435.837	184458.079	178047.958	100359.905	123097.83	158599.162	138976.683	140477.631	159488.438
3.4341	3.5012	3.5012	3.5012	3.5012	3.5012	3.501199	3.5012	3.5012	3.5012	3.5012
229021.354	305359.011	261893.135	232500.803	224083.194	126358.692	154246.522	197726.922	172984.525	176935.908	201037.89

21778.69	21654.458	19517.316	20722.132	21833.188	16347.642	20467.808	23450.548	20570.358	22330.702	21797.442
55.557882	55.240964	55.44692	55.259018	54.582969	41.703168	55.619043	55.307896	54.708398	55.826754	55.605719
22971.2	22971.2	20627.2	22033.6	23440	22971.2	21564.8	24846.4	22033.6	23440	22971.2
58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
40.342632	39.867786	39.231929	40.554638	40.825035	46.686621	42.681778	42.13986	42.64581	42.181273	41.119992
36.492287	36.429669	36.536548	37.035284	37.11235	37.875442	37.975656	37.556049	37.565038	37.973458	37.289801
447068.16	593044.354	504657.859	455699.871	442595.455	274874.763	311378.179	399937.724	352306.229	350353.5	399981.754
435368.798	853409.644	684611.479	513857.113	475378.484	210381.623	263046.755	391268.551	320465.944	298733.056	358328.582
-11699.362	260365.29	179953.621	58157.2411	32783.0293	-64493.14	-48331.423	-8669.1724	-31840.286	-51620.443	-41653.172
435368.798	853409.644	684611.479	513857.113	475378.484	210381.623	263046.755	391268.551	320465.944	298733.056	358328.582
371.65	369.53	333.06	353.62	371.36	278.97	349.28	400.18	351.03	381.07	371.97
24.687992	61.450325	98.03561	2450.33286	25344.5278	3274.2062	2370.84581	23.673398	52.253384	7814.63101	8341.00964
24.118666	81.195436	134.863501	3009.39725	34727.0774	3828.97706	2548.67092	22.830277	49.766165	9359.115	9506.69695
0.546627	1.535464	1.948532	7.856112	16.239273	9.176342	8.623556	0.24022	1.069292	12.659746	12.747262
0.645869	1.535464	2.529111	68.214616	709.923304	90.931034	64.987348	0.603451	1.290341	217.20358	233.801133
31.976974	47.278356	42.391257	34.755105	30.920756	29.319837	29.194932	29.229508	30.255805	28.01048	31.668729
30.051845	44.914438	38.112235	32.899987	30.833586	25.978913	27.948873	25.429599	26.605959	26.635639	30.975256
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
29.38103	39.583158	37.632897	31.032234	27.85229	15.694515	20.301625	22.832377	22.53809	21.490915	25.303219
-73593.505	178563.755	109796.004	-4126.5688	-27245.817	-98342.919	-89651.973	-61637.532	-78180.492	-99019.172	-95508.494
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11516.7181	15515.0625	13244.2509	11568.8734	10430.9927	6061.31897	7406.01065	9680.32455	8473.03166	8379.16242	9685.06087
413696.027	558288.211	478708.875	421956.286	383916.81	227381.831	279754.944	362498.205	317332.52	315100.582	358533.39
	0.05	0.05	0.16	4.7	0.04	0.01			0.08	0.04
11699.3618	-260365.29	-179953.62	-58157.241	-32783.029	64493.1401	48331.4233	8669.17244	31840.2856	51620.4431	41653.1715
11675.2432	-260446.49	-180088.48	-61166.638	-67510.107	60664.1631	45782.7524	8646.34216	31790.5195	42261.3281	32146.4746
23.36	18.86	21.14	19.43	163.18	15.13	21.72	22.8	19.55	22.4	18.49
				0.0025	0.242346					
103425.521	102042.944	90446.2475	83173.7326	77918.8206	55576.5336	76276.8921	108049.79	88656.5359	79842.1641	78638.9687
1.5	1.53	1.14	1.38	1.47	1.95	1.29	1.65	1.54	1.21	1.46
33347.445	34694.6931	25850.9478	31293.2526	33334.1169	44218.7265	29252.3883	37415.8455	34921.4558	27438.2867	33107.3542
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
406579.95	548419.039	470328.972	416958.882	402131.152	226718.597	277344.352	356326.084	311961.207	317413.539	360526.328

11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
33347.445	34694.6931	25850.9478	31293.2526	33334.1169	44218.7265	29252.3883	37415.8455	34921.4558	27438.2867	33107.3542
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
7140.76568	9930.62272	8477.9392	7447.73632	7130.18624	3937.44	4781.43872	6195.79392	5423.56608	5501.67424	6348.07168
0.06	0.09	0.16	0.69	16.67	0.82	0.54	0.06	0.1	0.85	1.09
	4.05	7.35	4.2	2.85	0.75	2.4	5.85	2.4	1.5	
	0.006953	0.018035	0.003656	0.002581	0.001644	0.003946	0.010993	0.004366	0.003161	
	0.006785	0.017471	0.003617	0.00255	0.001581	0.003831	0.010754	0.004228	0.00295	
	336.747781	477.266575	46.937835	121.48635	53.394623	316.392912	2513.7321	512.47886	73.969848	
	1.022723	1.51425	0.16015	0.504966	0.225372	0.952045	6.989959	1.499364	0.217969	
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
0.022142	0.021607	0.026732	0.030664	0.034025	0.032729	0.021222	0.031344	0.033191	0.035625	0.034795
	558.6	1291.5	285.6	214.2	130.2	296.1	957.6	333.9	247.8	
	2637.94071	6718.77954	1486.01894	1212.22704	695.633875	1736.56314	5800.45717	2057.94912	1381.04015	
	1.343644	2.655915	1.496833	1.101351	0.264163	0.936236	2.318137	0.973886	0.563819	
	78.604923	86.592145	6.3	20.654854	10.5	51.792069	404.893196	83.320536	14.141054	
5366.48	5369.42	4796.26	5102.58	5409.46	5308.38	5042.66	5749.94	5089.28	5400.5	5297.04
13.69	13.6975	13.625738	13.60688	13.52365	13.541785	13.70288	13.561179	13.535319	13.50125	13.512857
5488	5488	4928	5264	5600	5488	5152	5936	5264	5600	5488
14	14	14	14.037333	14	14	14	14	14	14	14
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
	21.25674	40.815587	22.452498	17.103606	3.999945	14.106047	36.231294	14.608298	8.544799	
	21.25674	40.815587	22.452498	17.103606	3.999945	14.106047	36.231294	14.608298	8.544799	
	2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
	2921.61654	7876.32929	1655.18512	1360.70065	795.353714	2069.9858	6867.81364	2419.47716	1567.67083	
	147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675	
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58.93	104.38	135.44	118.99	88.52	62.83	86.95	175.64	116.97	74.29	76.9
	2437.69292	6378.01297	1439.0811	1122.24069	652.739251	1430.67022	3433.72507	1545.47026	1328.07031	
	2539.13621	7312.9037	1605.98558	1237.02101	733.914982	1678.30561	3957.20251	1829.45961	1481.13346	
	3.365445	6.64691	3.92	2.403009	0.7	2.235359	4.261411	2.058662	1.382402	
	31.999671	80.32719	18.62	12.903009	7.98	16.287195	36.84712	16.705297	15.577263	
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	7.733836	11.290753	3.522072	2.7263	0.822571	4.976517	31.106782	9.652833	5.019288	

37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
0.095	0.244602	0.050773	0.0357	0.022142	0.053641	0.150566	0.059202	0.0413	
147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675	
147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675	
5.240328	5.772809	0.42	1.37699	0.7	3.452804	26.992879	5.554702	0.942736	
336.747781	477.266575	46.937835	121.48635	53.394623	316.392912	2513.7321	512.47886	73.969848	
2.28	4.15	0.99	0.73	0.34	0.65	1.7	0.66	0.74	
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849.3481	1846.8677	369.3179	242.4403	145.8366	417.3722	1588.1504	509.9278	318.2127	
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136.5	136.5		31.5	10.5	10.5	147		21	
2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
2637.94071	6718.77954	1486.01894	1212.22704	695.633875	1736.56314	5800.45717	2057.94912	1381.04015	
37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
136.5	136.5		31.5	10.5	10.5	147		21	
2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
		0.05	0.01						

10.981584	10.737432	10.787248	10.9444	10.963561	11.160012	11.224881	11.123933	11.122121	11.183927	11.061184
0.345495	0.4745	0.446296	0.378956	0.305277	0.268865	0.285259	0.311917	0.310793	0.284771	0.321022
0.327735	0.457995	0.428123	0.363943	0.248802	0.236182	0.274827	0.300211	0.298728	0.267745	0.310278
1687193.62	2246414.47	1852220.15	1605947.64	1090228.39	1163468.06	1306630.97	1787585.4	1537729.53	1316031.2	1403057.15
5455.65294	7239.41704	6226.83444	6140.20453	4676.27762	5119.66716	5419.6243	5864.31577	5403.22286	5760.97549	6007.80979
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
0.029988	0.03236	0.036185	0.035454	0.034886	0.034554	0.034955	0.035885	0.03601	0.035118	0.031347
512851.449	700339.438	591638.125	544268.849	397087.583	377318.907	414921.606	517445.553	456301.974	436758.454	491721.113
769405.328	1177995.05	1013643.04	879312.721	664860.283	594479.337	666372.858	867839.888	740557.619	693148.982	764573.159
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892732.299	1185238.8	993457.211	928951.629	635687.323	671418.534	702422.05	868049.015	770646.318	760398.877	843922.668
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136497.5	138854.753	123841.921	132524.572	119609.498	126349.237	130123.418	149799.823	132571.533	138022.217	139046.957
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143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2
367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
118.609349	218.561221	277.603787	216.700327	212.241464	153.335601	176.922488	260.674121	189.318006	164.85669	128.007717
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1781603.76	2525668.09	2142631.09	1933587.5	1411320.08	1383111.05	1469740.96	1866926.73	1624204.57	1563551.37	1722883.95
1705988.95	3568010.46	2838272.57	2139086.98	1523109.69	1092251.15	1238853.35	1810217.05	1491153.53	1284135.2	1522381.68
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1345.64	1688.32	1618.09	1590.64	1404.83	1138.13	1417.63	1979.74	1614.86	1318.79	1461.41
42636.7979	230466.625	249769.074	281762.214	266754.208	157679.022	120168.435	25675.245	38223.0794	198821.543	271576.469
47636.8423	305665.073	335221.132	353126.222	337670.926	176932.055	130751.569	29827.3929	42584.2834	223735.533	297654.611
5.533011	11.47575	14.930512	14.268271	17.400295	9.41344	9.555139	6.011199	5.991161	11.464132	18.205672
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32.560584	50.11819	50.277949	39.210674	37.553314	28.560203	32.921685	45.70432	38.053841	29.69596	30.737739
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47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
120.311714	168.130183	157.164267	133.95976	91.3354	86.702632	100.889336	110.207537	109.663138	98.28927	113.903056
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46036.3566	60845.8767	50093.5073	43489.7671	30251.5139	30076.9186	34322.9202	46311.2421	40439.3446	34427.9218	37698.0722
1687193.62	2246414.47	1852220.15	1605947.64	1090228.39	1163468.06	1306630.97	1787585.4	1537729.53	1316031.2	1403057.15
3.68	83.17	63.56	38.71	35.4	8.7	9.13	6.86	5.6	11.26	8.31
75614.8045	-1042342.4	-695641.48	-205499.47	-111789.61	290859.902	230887.611	56709.68	133051.034	279416.169	200502.275
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349.47	257.5	235.04	244.36	291.51	308.55	300.85	409.16	351.15	308.89	269.84
0.01461				0.045681	0.060992			0.000241	0.017954	
308989.449	342866.048	296747.926	269455.307	209470.818	185301.785	242933.847	353379.4	290141.506	232518.03	249405.608
4.35	4.7	4.23	3.85	4.84	4.65	3.25	4.85	3.55	4.52	3.67
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
2049611.24	2879852.41	2439839.78	2213591.39	1612763.72	1578954.73	1684099.3	2130287.19	1859479.61	1789720.93	1979495.38
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47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562

2049611.24	2879852.41	2439839.78	2213591.39	1612763.72	1578954.73	1684099.3	2130287.19	1859479.61	1789720.93	1979495.38
67682.5124	112904.547	94238.5205	79238.1952	56063.228	55191.0535	57946.8219	76761.7813	64674.3288	61210.4968	66085.3707
38.17	51.2	53.27	92.67	70.83	73.22	57.74	7.78	18.94	78.61	113.33
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
1016121.1	724208.863	611062.177	460992.424	530143.13	466433.076	532978.492	1370543.48	1032920.82	516355.054	404184.328
3265.3301	2298.04105	2020.93071	1743.31294	2259.97031	2023.88735	2139.13475	4512.09138	3600.12544	2132.98961	1696.40378
-120850.67	-121402.68	-104703.3	-97922.145	-92791.945	-89223.394	-88276.287	-126813.67	-106138.36	-92023.598	-91512.59
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
1016121.1	724208.863	611062.177	460992.424	530143.13	466433.076	532978.492	1370543.48	1032920.82	516355.054	404184.328
349.29	255.24	233.64	243.05	292.17	308.73	299.9	408.9	350.8	308.8	268.9
238.120723	204.484052	208.15045	178.763175	170.700058	167.840671	201.314121	260.432762	241.423254	208.852913	161.278285
107.655357	72.691893	81.723618	70.768855	68.16006	70.126899	73.069578	124.041293	111.175001	78.190107	64.046721
38411.6176	20818.7837	20541.0437	18346.823	20488.2418	21957.0884	22272.065	50942.6704	39292.3442	24485.7301	17583.9147
-120850.67	-121402.68	-104703.3	-97922.145	-92791.945	-89223.394	-88276.287	-126813.67	-106138.36	-92023.598	-91512.59
-308.29252	-309.70072	-297.45257	-261.12572	-231.97986	-227.6107	-239.88121	-299.08886	-282.28288	-230.059	-233.45048
-3830827.7	-5912282.9	-4631259.7	-3545655.9	-3151007.1	-2389083.9	-2526369.2	-4049049.4	-3275360.9	-2468894.4	-2712290.4
-31.702865	-48.672027	-44.213448	-36.217545	-33.954544	-26.76843	-28.587155	-31.895407	-30.851289	-26.787	-29.644847
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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
4846948.78	6636491.8	5242321.87	4006648.33	3681150.26	2855517.01	3059347.7	5419592.93	4308281.69	2985249.48	3116474.77
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
1016121.1	724208.863	611062.177	460992.424	530143.13	466433.076	532978.492	1370543.48	1032920.82	516355.054	404184.328
3265.3301	2298.04105	2020.93071	1743.31294	2259.97031	2023.88735	2139.13475	4512.09138	3600.12544	2132.98961	1696.40378
-120850.67	-121402.68	-104703.3	-97922.145	-92791.945	-89223.394	-88276.287	-126813.67	-106138.36	-92023.598	-91512.59
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
1016121.1	724208.863	611062.177	460992.424	530143.13	466433.076	532978.492	1370543.48	1032920.82	516355.054	404184.328
349.29	255.24	233.64	243.05	292.17	308.73	299.9	408.9	350.8	308.8	268.9
238.120723	204.484052	208.15045	178.763175	170.700058	167.840671	201.314121	260.432762	241.423254	208.852913	161.278285

107.655357	72.691893	81.723618	70.768855	68.16006	70.126899	73.069578	124.041293	111.175001	78.190107	64.046721
38411.6176	20818.7837	20541.0437	18346.823	20488.2418	21957.0884	22272.065	50942.6704	39292.3442	24485.7301	17583.9147
-120850.67	-121402.68	-104703.3	-97922.145	-92791.945	-89223.394	-88276.287	-126813.67	-106138.36	-92023.598	-91512.59
-308.29252	-309.70072	-297.45257	-261.12572	-231.97986	-227.6107	-239.88121	-299.08886	-282.28288	-230.059	-233.45048
-3830827.7	-5912282.9	-4631259.7	-3545655.9	-3151007.1	-2389083.9	-2526369.2	-4049049.4	-3275360.9	-2468894.4	-2712290.4
-31.702865	-48.672027	-44.213448	-36.217545	-33.954544	-26.76843	-28.587155	-31.895407	-30.851289	-26.787	-29.644847
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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
4846948.78	6636491.8	5242321.87	4006648.33	3681150.26	2855517.01	3059347.7	5419592.93	4308281.69	2985249.48	3116474.77
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44

4440.83883	4931.09066	4113.41974	3878.23886	4547.59428	4386.71066	3652.40195	3305.23908	3119.09054	4062.99962	4678.77559
140685.725	237580.247	183476.897	139573.555	156699.946	119359.507	100662.293	96378.1107	91548.9304	109158.265	140509.515

32.910823	58.122569	25.313706	26.785105	28.835891	28.545331	22.331329	28.040045	31.036972	27.270994	30.404028
1.974649	1.162451	0.506274	1.071404	7.497331	4.852706	1.339879	1.402002	1.551848	3.272519	1.520201
4440.83883	4931.09066	4113.41974	3878.23886	4547.59428	4386.71066	3652.40195	3305.23908	3119.09054	4062.99962	4678.77559
11.32867	12.579312	11.685851	10.34197	11.368985	11.190588	9.925005	7.795375	8.295453	10.157499	11.935652
140685.725	237580.247	183476.897	139573.555	156699.946	119359.507	100662.293	96378.1107	91548.9304	109158.265	140509.515
140685.725	237580.247	183476.897	139573.555	156699.946	119359.507	100662.293	96378.1107	91548.9304	109158.265	140509.515
4440.83883	4931.09066	4113.41974	3878.23886	4547.59428	4386.71066	3652.40195	3305.23908	3119.09054	4062.99962	4678.77559

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0.63	0.13	0.13	0.26	2.26	1.53	0.28	0.2	0.31	1.24	0.5
117609.92	121402.681	104703.305	95553.4154	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	90625.8115
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4440.83883	4931.09066	4113.41974	3878.23886	4547.59428	4386.71066	3652.40195	3305.23908	3119.09054	4062.99962	4678.77559
140685.725	237580.247	183476.897	139573.555	156699.946	119359.507	100662.293	96378.1107	91548.9304	109158.265	140509.515
140685.725	237580.247	183476.897	139573.555	156699.946	119359.507	100662.293	96378.1107	91548.9304	109158.265	140509.515
410130.142	448952.761	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
1339.29968	1456.21543	1395.68743	1690.22658	2210.97483	2015.16157	1493.99491	1082.87542	995.595079	1655.37757	1757.43304
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
242733.349	414674.14	328650.965	282071.199	310630.521	220412.294	176040.275	176092.62	150449.632	179647.956	216785.789
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
19.691074	21.916308	21.193169	21.038998	23.020727	21.024145	17.197352	13.566339	13.304838	16.856109	18.749748
-168495.27	-60106.042	-84483.591	-154856.21	-199324.63	-236000.03	-174439.01	-142460.23	-126595.43	-193748.59	-190251.75
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7698.63732	8117.22302	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
410130.142	448952.761	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
168495.269	60106.0422	84483.5912	154856.211	199324.626	236000.035	174439.009	142460.231	126595.434	193748.587	190251.751
168495.269	60106.0422	84483.5912	154856.211	199324.626	236000.035	174439.009	142460.231	126595.434	193748.587	190251.751
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
242733.349	414674.14	328650.965	282071.199	310630.521	220412.294	176040.275	176092.62	150449.632	179647.956	216785.789
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411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
387729.407	422660.631	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
1266.22879	1370.9507	1313.46574	1591.17652	2078.94062	1896.19503	1409.1281	1017.90808	936.141768	1559.29449	1655.53525
8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
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17.189082										42.226481
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8652.42682	9121.64234	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
387729.407	422660.631	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
115964.305	-18956.835	19565.973	94342.2719	130792.633	181899.31	132387.521	101755.816	91591.203	149678.993	139652.888
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120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
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8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
272810.807	465975.513	369237.022	316962.806	348759.538	247576.157	198141.895	197713.034	168925.079	202014.631	243736.404
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388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
4359.68959	4888.71532	4005.78248	3767.36792	4483.38495	4288.66617	3748.1035	3296.07764	3217.12502	4047.08991	4561.13547
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137978.915	235018.243	178450.522	135521.947	154250.451	116507.797	103080.286	96348.6974	94130.8289	108682.595	136999.438
137978.915	235018.243	178450.522	135521.947	154250.451	116507.797	103080.286	96348.6974	94130.8289	108682.595	136999.438
4359.68959	4888.71532	4005.78248	3767.36792	4483.38495	4288.66617	3748.1035	3296.07764	3217.12502	4047.08991	4561.13547
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4359.68959	4888.71532	4005.78248	3767.36792	4483.38495	4288.66617	3748.1035	3296.07764	3217.12502	4047.08991	4561.13547
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137978.915	235018.243	178450.522	135521.947	154250.451	116507.797	103080.286	96348.6974	94130.8289	108682.595	136999.438
137978.915	235018.243	178450.522	135521.947	154250.451	116507.797	103080.286	96348.6974	94130.8289	108682.595	136999.438
4079.28482	4609.64009	3869.08804	3866.39306	4327.07802	4210.72253	3424.11235	3104.69485	2762.59164	3830.55922	4489.70957
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129967.734	223705.037	173261.743	138821.58	149068.205	114436.424	95055.2628	91550.6817	81734.2744	102641.755	134799.563
4079.28482	4609.64009	3869.08804	3866.39306	4327.07802	4210.72253	3424.11235	3104.69485	2762.59164	3830.55922	4489.70957
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116706.607	121402.681	104703.305	97922.145	91112.6585	89223.3938	88276.287	126813.675	106138.364	87466.426	89962.4418
4079.28482	4609.64009	3869.08804	3866.39306	4327.07802	4210.72253	3424.11235	3104.69485	2762.59164	3830.55922	4489.70957
4079.28482	4609.64009	3869.08804	3866.39306	4327.07802	4210.72253	3424.11235	3104.69485	2762.59164	3830.55922	4489.70957
129967.734	223705.037	173261.743	138821.58	149068.205	114436.424	95055.2628	91550.6817	81734.2744	102641.755	134799.563
129967.734	223705.037	173261.743	138821.58	149068.205	114436.424	95055.2628	91550.6817	81734.2744	102641.755	134799.563
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
577.424025	603.248138	594.939784	742.343646	972.678976	724.49488	827.292227	752.837764	677.46331	719.842284	563.625785
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
108606.308	176626.455	151642.314	132359.042	145163.531	86032.4859	105432.51	133210.995	110531.612	83940.2623	73850.2607
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
8.824125	9.287795	9.752199	9.983544	10.897876	8.173514	10.329297	10.216667	9.790061	7.885703	6.466789

-68601.194	-9892.5444	-24218.713	-59437.331	-78155.745	-78109.341	-89302.012	-88710.557	-78049.246	-77653.571	-56016.84
-68601.194	-9892.5444	-24218.713	-59437.331	-78155.745	-78109.341	-89302.012	-88710.557	-78049.246	-77653.571	-56016.84
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
68601.1937	9892.54439	24218.7125	59437.3307	78155.7451	78109.3414	89302.0124	88710.5574	78049.2465	77653.5714	56016.8396
68601.1937	9892.54439	24218.7125	59437.3307	78155.7451	78109.3414	89302.0124	88710.5574	78049.2465	77653.5714	56016.8396
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	84239.9321
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
108606.308	176626.455	151642.314	132359.042	145163.531	86032.4859	105432.51	133210.995	110531.612	83940.2623	73850.2607
-68601.194	-9892.5444	-24218.713	-59437.331	-78155.745	-78109.341	-89302.012	-88710.557	-78049.246	-77653.571	-56016.84
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1

348516.706	415740.204	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
1146.52071	1357.33627	896.126354	1490.03194	1959.80692	1496.23452	1450.61644	1065.64943	1022.49908	1548.81185	1774.43369
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
116643.783	221882.829	122755.114	143114.909	159724.925	96916.1535	98172.7412	97075.8585	87518.2949	98533.8664	126910.465
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
9.505931	11.936803	7.973045	10.863618	11.973217	9.183348	9.78767	7.816731	8.001064	9.228336	11.101066
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3712.7592	4428.89319	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
348516.706	415740.204	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
233146.358	217356.209	140692.185	239298.031	289845.427	241003.903	239934.111	214036.932	194880.219	247971.705	281575.92
233146.358	217356.209	140692.185	239298.031	289845.427	241003.903	239934.111	214036.932	194880.219	247971.705	281575.92
120850.668	121402.681	104703.305	97922.145	92791.945	89125.0591	88105.7995	125037.497	106138.364	92023.5983	91512.5899
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385

3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
116643.783	221882.829	122755.114	143114.909	159724.925	96916.1535	98172.7412	97075.8585	87518.2949	98533.8664	126910.465
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349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
1323583.76	1473872.6	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
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36459.3704	40994.9215	34068.7535	36085.5549	42052.1893	37189.3868	31681.3018	29559.7622	26406.6751	33109.9464	36230.6029
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36459.3704	40994.9215	34068.7535	36085.5549	42052.1893	37189.3868	31681.3018	29559.7622	26406.6751	33109.9464	36230.6029
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0.68	0.13	0.13	0.26	2.26	1.53	0.28	0.2	0.31	1.24	0.52
835224.15	849818.767	730794.516	683086.285	646466.518	624465.422	617763.522	885919.545	742968.547	636655.531	629710.703
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
36459.3704	40994.9215	34068.7535	36085.5549	42052.1893	37189.3868	31681.3018	29559.7622	26406.6751	33109.9464	36230.6029
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
36459.3704	40994.9215	34068.7535	36085.5549	42052.1893	37189.3868	31681.3018	29559.7622	26406.6751	33109.9464	36230.6029
1149426.62	1975462.46	1507474.58	1288425.04	1424297.12	1001240.82	876585.263	888369.998	784838.651	884619.33	1073591.43
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1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32

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0.327735	0.457995	0.428123	0.363943	0.248802	0.236182	0.274827	0.300211	0.298728	0.267745	0.310278
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
4026898.48	4444495.93	3704528.21	3489381.86	3282768.47	3017850.81	3053459.54	4309184.93	3579191.07	3065575.83	3136021.8
13050.4563	14325.2086	12447.9845	13397.2961	14158.6493	13275.6405	12739.7907	14295.6779	12635.0475	13377.2913	13455.2413
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4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
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512851.449	700339.438	591638.125	544268.849	397087.583	377318.907	414921.606	517445.553	456301.974	436758.454	491721.113
769405.328	1177995.05	1013643.04	879312.721	664860.283	594479.337	666372.858	867839.888	740557.619	693148.982	764573.159
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1781603.76	2525668.09	2142631.09	1933587.5	1411320.08	1383111.05	1469740.96	1866926.73	1624204.57	1563551.37	1722883.95
1705988.95	3568010.46	2838272.57	2139086.98	1523109.69	1092251.15	1238853.35	1810217.05	1491153.53	1284135.2	1522381.68
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
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1345.64	1688.32	1618.09	1590.64	1404.83	1138.13	1417.63	1979.74	1614.86	1318.79	1461.41
42636.7979	230466.625	249769.074	281762.214	266754.208	157679.022	120168.435	25675.245	38223.0794	198821.543	271576.469
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
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349.29	255.24	233.64	243.05	292.17	308.73	299.9	408.9	350.8	308.8	268.9
238.120723	204.484052	208.15045	178.763175	170.700058	167.840671	201.314121	260.432762	241.423254	208.852913	161.278285

8.971279	4.846126	5.448241	4.717923	4.544004	4.675126	4.871305	8.269419	7.411666	5.212673	5.337226
38,412	20,819	20,541	18,347	20,488	21,957	22,272	50,943	39,292	24,486	17,584
47636.8423	305665.073	335221.132	353126.222	337670.926	176932.055	130751.569	29827.3929	42584.2834	223735.533	297654.611
1.844337	5.35535	6.967572	6.658526	8.120137	4.392938	4.459065	2.805226	2.795875	5.349928	6.068557
1,126	5,061	5,228	6,745	6,283	3,911	2,804	417	794	4,888	6,952
32.489288	50.118918	50.288801	39.143059	37.132428	28.542537	32.731412	45.562232	37.986297	29.676258	30.748253
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82439.0504	100583.897	84162.2608	79575.322	72303.7032	67266.3054	66004.222	75871.0043	66846.0197	67537.8682	73928.6752
3010777.38	3720287.07	3093466.03	3028389.44	2752625.34	2551417.74	2520481.05	2938641.45	2546270.25	2549220.78	2731837.47
8307728.83	8750001.04	7537767.18	7606303.88	7673201.06	7374618.73	7138734.64	9028081.91	7764244.66	7492764.55	7475947.63
9276213.09	9168544.83	7813608.22	7714170.08	7865673.26	7664119.75	7540961.56	10368798	8754581.19	7785384.07	7582477.35
0.01461				0.045681	0.060992			0.000241	0.017954	
1265064.27	1314087.5	1132245.75	1050463.74	948729.281	898990.601	948973.656	1366112.62	1139248.42	961197.16	970628.9
4.35	4.7	4.23	3.85	4.84	4.65	3.25	4.85	3.55	4.52	3.67
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
11431151.9	14647658.3	12180723	11313819.8	10822051.5	9663954.38	9468531.59	11990029.4	10275511.9	9887688.64	10328532.2
7207440.29	10339692.2	8312345.35	7181689.1	6426167.8	5355988.34	5424318.58	7330392.68	6143381.2	5491804.93	6020566.14
1662137.63	2363233.85	2007100.25	1808264.35	1300547.61	1265897.87	1368794.91	1735888.9	1511203.94	1453547.86	1608495.83
83621.5624	106901.954	89390.5755	86320.4649	78586.3493	71176.8188	68808.5778	76287.7582	67640.0151	72425.6544	80880.6009
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
7207440.29	10339692.2	8312345.35	7181689.1	6426167.8	5355988.34	5424318.58	7330392.68	6143381.2	5491804.93	6020566.14
67682.5124	112904.547	94238.5205	79238.1952	56063.228	55191.0535	57946.8219	76761.7813	64674.3288	61210.4968	66085.3707
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
36459.3704	40994.9215	34068.7535	36085.5549	42052.1893	37189.3868	31681.3018	29559.7622	26406.6751	33109.9464	36230.6029
1149426.62	1975462.46	1507474.58	1288425.04	1424297.12	1001240.82	876585.263	888369.998	784838.651	884619.33	1073591.43
-177574.75	427905.567	266228.7	-134016.76	-238099.83	-386708.86	-337264.81	-262686.05	-223702.07	-348570.24	-255188.88
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32

2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09
4220048.36	4395883.71									
-4220048.4	-4395883.7									
-4220048.4	-4395883.7									
4220048.36	4395883.71									
4220048.36	4395883.71									
4220048.36	4395883.71									
31.178893	32.548886	49.552139	45.172137	36.702109	34.662184	27.402164	28.612168	31.682139	31.032175	27.302135
20.775813	20.775799	20.680513	20.6805	20.680447	20.6805	20.680565	20.68046	20.680578	20.680486	20.680565
31.053405	32.423401	49.425332	45.045331	36.575314	34.535359	27.275347	28.485349	31.555332	30.905354	27.17533
31.149934	32.519928	49.522876	45.142874	36.672849	34.632916	27.372898	28.582902	31.652876	31.002908	27.272873
30.425966	31.795975	48.791299	44.411302	35.941342	33.901235	26.641263	27.851258	30.921299	30.271248	26.541304
30.7059	32.075904	49.074175	44.694176	36.224191	34.184152	26.924162	28.13416	31.204175	30.554156	26.824177
$ 31.13	$ 32.50	$ 49.50	$ 45.12	$ 36.65	$ 34.61	$ 27.35	$ 28.56	$ 31.63	$ 30.98	$ 27.25
$ 31.17	$ 32.54	$ 49.54	$ 45.16	$ 36.69	$ 34.65	$ 27.39	$ 28.60	$ 31.67	$ 31.02	$ 27.29

25.16182	25.16182	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057
1.55	1.55	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
30.87	32.24	49.24	44.86	36.39	34.35	27.09	28.3	31.37	30.72	26.99
6.666976	7.463515	7.481638	7.5209	6.777183	6.10838	5.757035	5.771692	5.821444	5.806158	5.790619
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
			0.55576	0.13894	0.55576	0.27788	0.13894	0.13894	0.13894	0.27788
			0.003575	0.000884	0.001595	0.003514	0.003078	0.002657	0.002505	0.000555
			0.00351	0.000884	0.00155	0.003514	0.003078	0.002657	0.002505	0.000555
			289.461093			58.797387		1281.77284	196.938411	
			0.85846			0.258121		3.849385	0.602578	
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
0.030572	0.025778	0.028316	0.023039	0.030688	0.029453	0.026709	0.025052	0.025122	0.036223	0.036682
			386.2532	108.3732	186.1796	430.714	369.5804	339.0136	294.5528	72.2488
			9913.21051	2781.40439	4778.3101	11054.2995	9485.30214	8700.80347	7559.71449	1854.26959
			1.089002	0.27225	1.089002	0.544501	0.27225	0.27225	0.27225	0.544501
			602.554992	169.062192	290.440176	671.91384	576.545424	528.861216	459.502368	112.708128
8375.85	9294.075	8570.25	7737.525	8549.325	8385.525	8584.425	8423.55	8949.375	8153.55	9016.65
21.755454	21.919988	21.862882	21.981605	21.865281	21.837304	21.899043	21.936328	21.934742	21.684973	21.674639
8640	9540	8820	7920	8820	8640	8820	8640	9180	8460	9360
22.441558	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5	22.5	22.5
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			15.283663	3.797249	15.261717	7.598624	3.797249	3.797249	3.797249	7.766382
			15.283663	3.797249	15.261717	7.598624	3.797249	3.797249	3.797249	7.766382
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			12377.2768	3714.43269	5979.56853	14187.523	11611.0778	14326.8972	12727.7295	2163.7082
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808

			12377.2768	3714.43269	5979.56853	14187.523	11611.0778	14326.8972	12727.7295	2163.7082
	3.52	7.24	14.79	3.92	5.93	10.41	10.54	7.78	7.4	16.93
			10301.798	2961.85458	5099.94948	11724.3111	10100.6836	7983.51585	7853.23045	1997.84012
			12080.9177	3714.43269	5979.56853	14128.2419	11611.0778	12016.6317	12329.0625	2163.7082
			0.797836	0.2	0.8	0.388939	0.2	0.187718	0.195107	0.4
			27.037708	7.8	13.4	30.845157	26.6	21.02447	20.681365	5.2
			383.059857			379.724946		380.381714	379.724946	
			7.661197			3.797249		3.803817	3.797249	
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			0.078977	0.019948	0.034895	0.079081	0.06927	0.059803	0.056382	0.0125
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808
			0.762291			0.154842		3.375529	0.518634	
			289.461093			58.797387		1281.77284	196.938411	
			0.44	0.11	0.16	0.38	0.47	0.16	0.1	0.17
			-1786.0177	-752.57811	-879.61906	-2404.4145	-1510.3942	-5061.6085	-4677.5606	-165.86808
			-13866.935	-4467.0108	-6859.1876	-16532.656	-13121.472	-17078.24	-17006.623	-2329.5763
			0.03					0.01		
			418.5212	113.2141	168.181	341.256	335.6982	393.6575	336.7288	66.0094
			0.03		0.01	0.01				0.02
			34.9056		11.6352	11.6352				23.2704
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			10515.7655	2950.46658	5068.75028	11726.2133	10061.8476	9229.66469	8019.21686	1966.97772
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			34.9056		11.6352	11.6352				23.2704
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			40.588	11.388	19.564	45.259999	38.835999	35.623999	30.952	7.592
1.31866	1.03609	7.252629	5.74559	4.14436	3.10827	2.07218	3.01408	4.14436	3.01408	2.35475
0.002201	0.001037	0.089404	0.09172	0.067818	0.056456	0.047184	0.041203	0.063571	0.046661	0.0666
0.002135	0.001014	0.087627	0.089147	0.065484	0.054921	0.044897	0.04052	0.062132	0.045744	0.064447
587.049552	1602.36935	60304.8975	68718.0781	29612.5807	8869.37076	6673.77615	17870.2395	90563.8656	48325.1167	26393.5158
1.992617	4.620927	183.896282	221.032823	102.347419	36.965298	28.83311	61.119738	276.97996	151.791285	96.432456
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98

0.026848	0.027476	0.02352	0.029488	0.030586	0.02763	0.034974	0.034557	0.030343	0.024946	0.031802
447.96764	234.90986	18765.4737	17142.9568	14023.5723	11521.5092	9614.9152	8500.45912	13848.7557	9396.3944	14646.3566
2741.67845	1646.07846	108619.02	163683.141	122386.392	121833.402	90828.0314	70323.2549	108167.111	81202.3505	133337.041
0.841648	0.785466	4.430369	4.097412	2.942989	2.442366	1.603753	2.050474	2.904654	2.218143	1.797477
76.881177	199.94969	8764.71453	6593.98566	3172.30371	764.394354	629.49943	2045.98356	10501.4819	5397.40321	2656.27322
21674.02	23916.3	22201.24	19813.96	22040.58	21656.62	21940.82	21502.34	22945.96	21263.96	23360.66
56.296155	56.406367	56.635816	56.289659	56.369769	56.397447	55.971479	55.995677	56.240098	56.553085	56.155432
22272	24592	22736	20416	22736	22272	22736	22272	23664	21808	24128
57.84935	58	58	58	58.148337	58	58	58	58	58	58
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
9.368164	8.498305	49.98537	44.925797	32.288945	26.518857	17.441956	22.628006	32.067969	24.228748	19.537086
9.368164	8.498305	49.98537	44.925797	32.288945	26.518857	17.441956	22.628006	32.067969	24.228748	19.537086
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
3444.22205	2042.46112	147105.32	263021.206	195094.511	214459.054	198102.674	144666.667	210062.864	156603.485	241456.629
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
3444.22205	2042.46112	147105.32	263021.206	195094.511	214459.054	198102.674	144666.667	210062.864	156603.485	241456.629
105.21	97.93	216.59	225.25	206.52	168.55	117.59	168.3	211.19	146.79	123.69
2651.1977	293.109113	69047.3096	113721.967	108088.514	125537.123	94678.7044	61738.5178	32808.8426	43132.9602	122911.264
2826.68071	315.215011	78119.8853	165458.292	154707.625	200344.028	185410.797	114628.33	48455.896	64885.013	201005.133
6.477274	1.622133	30.791265	24.843404	21.199139	18.271061	11.820263	14.612995	8.75745	7.256397	12.704942
39.397649	3.711664	1061.76443	1119.9672	1152.06164	1142.06549	953.967063	685.261234	355.374647	424.566428	1272.96777
70.075793	80.388449	66.98341	83.740347	86.572138	87.133227	89.623956	72.474078	77.660024	79.531441	80.70608
6.97117	8.842729	50.076195	43.532236	32.0092	17.423003	14.310545	18.824078	34.167343	25.442325	18.535474
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
0.123532	0.05882	5.082397	5.170568	3.807826	3.185468	2.604081	2.350208	3.603676	2.653191	3.737932
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
8.16235	21.228335	930.535569	700.072795	336.798355	81.154512	66.832936	217.218765	1114.92535	573.033571	282.012232
587.049552	1602.36935	60304.8975	68718.0781	29612.5807	8869.37076	6673.77615	17870.2395	90563.8656	48325.1167	26393.5158
0.74	0.12	19.16	12.89	11.87	10.14	5.39	6.38	5.12	5.54	10.16
-205.97481	-146.98266	-17753.113	-80581.161	-57393.417	-80052.561	-96750.194	-65057.909	-86690.156	-65145.408	-92151.849
-3032.6555	-462.19767	-95872.998	-246039.45	-212101.04	-280396.59	-282160.99	-179686.24	-135146.05	-130030.42	-293156.98
0.07	0.31	7.27	3.18	1.17	0.38	0.2	1.19	7.19	3.59	1.33
226.9138	148.3085	11083.2032	9511.8674	7054.2224	4966.3761	4046.9647	4071.1392	8181.6513	5268.1874	6508.8307
0.04		0.77	0.36	0.24	0.18	0.21	0.15	0.39	0.15	0.2

20.9688		411.7267	192.4956	128.3304	96.2478	112.2891	80.2065	208.5369	80.2065	106.942
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
2741.67845	1646.07846	108619.02	163683.141	122386.392	121833.402	90828.0314	70323.2549	108167.111	81202.3505	133337.041
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
20.9688		411.7267	192.4956	128.3304	96.2478	112.2891	80.2065	208.5369	80.2065	106.942
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
475.6	249.4	20321.46	18564.408	15186.372	12476.844	10412.16	9205.296	14997.06	10175.52	15860.796
		1.31	1.05	1.08	0.44	0.42	0.24	0.06	0.14	0.11
11.104704	11.054933	10.767746	11.082287	11.190071	11.221073	11.356925	11.283009	11.242592	11.266581	11.367957
0.556123	0.604618	0.811705	0.627091	0.567887	0.547754	0.490032	0.517967	0.537662	0.531468	0.486821
0.535124	0.586327	0.786605	0.6071	0.544073	0.525185	0.472709	0.497711	0.519554	0.512286	0.468531
794347.486	1076924.18	1248666.5	887974.288	822589.648	635256.4	694562.913	747010.816	954981.982	852694.103	773825.916
2974.77356	3399.73097	3949.24132	2937.74237	3094.2088	2700.58131	3015.64933	3039.2999	3168.18977	2973.25254	3325.23892
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
0.038281	0.030896	0.032857	0.032755	0.041198	0.041979	0.032959	0.039453	0.03397	0.038882	0.036562
252404.241	302884.159	365931.766	259413.744	261395.253	248058.316	231021.52	236603.203	261408.029	237698.981	243158.449
391012.531	469214.706	583283.923	415661.904	419012.986	397926.689	370079.419	379275.943	419181.351	381187.402	389061.961
3.4886	3.4886	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618
489310.861	587171.231	721544.255	511512.021	515419.161	489121.387	455528.232	466534.195	515444.353	468694.851	479459.83
40992.3	45609.9	42082.32	37792.17	41719.35	40834.68	42077.88	40942.35	43749.54	40113.18	44487.69
106.473506	107.570518	107.352857	107.364119	106.699104	106.340312	107.34153	106.620703	107.229264	106.683989	106.941562
42624	47064	43512	39072	43512	42624	43512	42624	45288	41736	46176
110.711688	111	111	111	111.283887	111	111	111	111	111	111
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
41.158922	40.85922	40.657212	41.761961	42.334697	42.417518	42.882891	42.698483	42.478262	42.586989	42.972041
40.66043	40.484562	40.306704	41.414953	41.798454	41.907065	42.394709	42.131081	41.986431	42.073355	42.437775
934728.272	1118665.71	1381856.65	980637.866	991618.176	940577.391	875063.224	897767.64	990807.912	900722.336	920993.395
807474.053	1022789.14	1877355.75	1420430.02	1182501.78	1094260.48	839396.064	853213.588	1049507.72	949080.955	897749.89
-127254.22	-95876.572	495499.101	439792.149	190883.609	153683.086	-35667.159	-44554.052	58699.8044	48358.6193	-23243.505
807474.053	1022789.14	1877355.75	1420430.02	1182501.78	1094260.48	839396.064	853213.588	1049507.72	949080.955	897749.89
369.3	410.9	379.12	340.47	375.85	367.88	379.08	368.85	394.14	361.38	400.79
129769.486	32444.0091	123191.392	85654.1381	158205.128	295631.471	171326.19	140345.744	25724.0906	39060.2728	137065.639
148317.246	36165.0727	178998.39	173944.14	293735.484	583224.639	394598.828	256688.711	42673.7443	69898.6239	311492.005

37.181088	17.232971	25.713422	23.933298	30.380825	38.864337	28.251839	27.077745	11.108077	13.125291	25.874018
3348.04895	841.481855	3105.39422	2143.45364	3943.73936	7331.69327	4230.58528	3473.2694	637.529628	969.022668	3386.82035
29.97101	32.102645	42.701595	32.716179	26.802045	24.454039	19.296665	22.278323	24.461127	24.497057	19.51462
29.752072	32.073963	42.677178	32.686669	26.611232	22.76731	18.058104	21.492815	24.451616	24.482364	18.303767
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
59.244561	65.082367	87.313193	67.388181	60.546618	58.295614	52.470795	55.24602	57.670588	56.863781	52.006942
-259185.91	-254194.12	304226.568	304196.585	54252.31	24023.004	-156422.11	-168226.55	-77938.173	-75886.638	-150342.43
-259185.91	-254194.12	304226.568	304196.585	54252.31	24023.004	-156422.11	-168226.55	-77938.173	-75886.638	-150342.43
19461.1071	26753.4421	31121.3778	21577.1864	19729.9886	15053.8227	16337.9667	17741.2026	22892.0704	20411.7593	18248.0677
794347.486	1076924.18	1248666.5	887974.288	822589.648	635256.4	694562.913	747010.816	954981.982	852694.103	773825.916
8.88	2.4	48.76	26.62	30.93	32.93	17.16	18.31	8.4	10.65	13.3
127254.218	95876.5722	-495499.1	-439792.15	-190883.61	-153683.09	35667.1591	44554.0525	-58699.804	-48358.619	23243.5052
-21063.028	59711.4994	-674497.49	-613736.29	-484619.09	-736907.73	-358931.67	-212134.66	-101373.55	-118257.24	-288248.5
279.29	364.17	240.9	251.66	271.95	234.4	288.53	282.07	340.59	307.78	313.24
95204.5908	126667.234	116151.883	100164.728	96349.1562	83340.2071	84672.4751	87738.4424	115682.579	100591.334	90766.0956
1.05	0.92	0.97	0.68	1.05	0.94	0.89	1.01	0.98	0.87	0.98
10611.3	9297.52	9998.76	7009.44	10823.4	9689.52	9174.12	10411.08	10101.84	8967.96	10101.84
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
880323.392	1056385.94	1304828.18	927173.925	934432.147	887048.077	825607.651	845810.138	934625.704	849882.252	868521.79
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
10611.3	9297.52	9998.76	7009.44	10823.4	9689.52	9174.12	10411.08	10101.84	8967.96	10101.84
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
43793.5795	52982.2541	67029.7103	46454.5014	46362.6289	43839.7945	40281.4522	41546.422	46080.3686	41872.1235	42369.7647
68.23	32.7	45.13	23.96	36.86	68.14	45.03	42.24	9.77	14.5	36.27
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002788	0.000714	0.001406	0.002992	0.002402	0.002493	0.002553	0.000225
			0.002755	0.000714	0.001406	0.002984	0.002239	0.002279	0.002553	0.000192
								100.236307		
								0.302262		
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
0.023828	0.027099	0.032755	0.033238	0.019897	0.029583	0.027397	0.032786	0.032132	0.029148	0.031947
			43.65	12.6	24.3	52.65	38.7	41.85	43.2	3.6

			1120.27975	323.379721	623.660892	1351.26527	993.237717	1074.08265	1108.73048	92.394206
			1.087854	0.271963	1.087854	0.543927	0.271963	0.271963	0.271963	0.271963
			66.841245	19.29438	37.21059	80.622944	59.261309	64.084904	66.152159	5.51268
1124.55	1237.53	1137.48	1020.9	1152.6	1117.92	1143.78	1114.23	1184.67	1095.12	1208.13
2.920909	2.918702	2.901734	2.900284	2.947826	2.91125	2.917806	2.90164	2.903602	2.912553	2.904158
1152	1272	1176	1056	1176	1152	1176	1152	1224	1128	1248
2.992207	3	3	3	3.007672	3	3	3	3	3	3
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1371.15109	427.146579	744.846726	1680.93127	1185.76797	1748.82238	1790.87462	108.259459
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			1371.15109	427.146579	744.846726	1680.93127	1185.76797	1748.82238	1790.87462	108.259459
			0.97	0.28	0.54	1.17	0.86	0.93	0.96	0.08
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1037.93125	1174.88264	97.906886
			1371.15109	427.146579	744.846726	1680.93127	1185.76797	1594.56229	1790.87462	108.259459
			0.12	0.03	0.12	0.06	0.03	0.029932	0.03	0.03
			2.91	0.84	1.62	3.51	2.58	2.544289	2.88	0.24
								407.945359		
								4.079453		
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
			0.008267	0.002148	0.004218	0.008954	0.006718	0.006838	0.007659	0.000576
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
								0.24571		
								100.236307		
			-184.03009	-84.472477	-83.975244	-249.04306	-133.26895	-610.65482	-615.99198	-10.352573
			-1555.1812	-511.61906	-828.82197	-1929.9743	-1319.0369	-2205.2171	-2406.8666	-118.61203
			290.6133	82.6487	136.036	257.404	221.5535	301.2606	306.7804	20.7979
			0.46	0.1	0.15	0.27	0.19	0.09	0.08	0.05
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24

			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
11.495786	11.485699	11.252517	11.690959	11.869792	11.938739	12.194628	12.048565	11.988355	12.029468	12.223068
0.719152	0.737643	0.859575	0.690246	0.623423	0.60486	0.530813	0.570815	0.584974	0.577666	0.517167
0.686072	0.599203	0.820258	0.657495	0.595322	0.577161	0.504703	0.54719	0.562039	0.550091	0.490734
356014.09	341635.164	435269.404	322822.483	330134.106	314989.053	287009.221	301132.661	327518.587	296032.82	296466.967
1340.97583	1074.26425	1383.25836	1072.71781	1249.10216	1350.46249	1250.79318	1241.49568	1090.25013	1037.51219	1288.871
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
0.045494	0.048679	0.044872	0.048721	0.043852	0.048541	0.048086	0.043098	0.03946	0.048297	0.052475
129100.714	123780.229	154340.277	114149.817	116767.628	111363.894	101591.779	106529.201	115841.476	104706.304	105054.032
199907.318	191882.952	245466.292	182792.437	187090.312	178685.939	162836.907	170844.94	185716.766	167885.358	168199.951
2.6495	2.6495	2.706	2.706	2.705999	2.706	2.705999	2.706	2.705999	2.705999	2.705999
141946.235	136096.362	172243.749	127391.196	130312.672	124282.106	113376.426	118886.588	129279.088	116852.235	117240.3
15719.08	14766.63	16099.63	14398.55	16116.83	15710.48	16045.45	15800.35	16851.7	15387.12	16949.31
40.828779	34.826957	41.070484	40.904971	41.219514	40.912708	40.93227	41.146744	41.303186	40.923191	40.743533
16512	18232	16856	15136	16856	16512	16856	16512	17544	16168	17888
42.888311	43	43	43	43.109974	43	43	43	43	43	43
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
32.31859	32.844315	32.203579	33.597207	34.042259	34.219721	35.03834	34.609017	34.385273	34.499854	35.443762
31.703915	31.674174	31.71605	32.878865	33.360632	33.544377	34.24107	33.844915	33.682734	33.796235	34.324896
362111.65	352630.764	441641.854	328379.26	336111.743	320322.158	292829.265	306814.001	333432.221	301436.658	304847.323
384924.124	388339.827	728091.449	556522.114	472335.066	446958.24	338804.952	352367.39	419604.814	366981.921	352885.898
22812.4737	35709.0631	286449.595	228142.854	136223.323	126636.082	45975.6869	45553.3895	86172.5938	65545.2633	48038.5744
384924.124	388339.827	728091.449	556522.114	472335.066	446958.24	338804.952	352367.39	419604.814	366981.921	352885.898
365.56	343.41	374.41	334.85	374.81	365.36	373.15	367.45	391.9	357.84	394.17
				13.023582	82.20605	8.369668	73.584005			121.661451
				12.354351	243.811161	14.70671	123.886186			267.785372
				0.427059	0.627979	0.115167	0.65597			0.959877
				0.427059	2.587168	0.259144	2.32343			3.848012
33.313425	32.044802	50.832554	48.801	36.128567	31.304101	26.665545	25.152119	22.55512	23.73707	26.786884
10.99343	6.088512	12.708138	12.68826	10.467847	11.269476	7.466352	8.800404	6.089882	9.020086	9.088303
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
29.424493	25.765754	35.271096	28.272301	25.664347	24.817942	21.70227	23.529192	24.167696	23.653936	21.101562
-44668.469	-28990.863	205775.932	168476.745	75188.8836	68426.1748	-7126.3361	-10129.424	25622.2542	10815.2784	-6873.1681
-44668.469	-28990.863	205775.932	168476.745	75188.8836	68426.1748	-7126.3361	-10129.424	25622.2542	10815.2784	-6873.1681

11328.43	10924.68	13826.27	9951.85	10034.3329	9527.50283	8507.03086	9032.88657	9860.42	8893.88	8774.40199
356014.09	341635.164	435269.404	322822.483	330134.106	314989.053	287009.221	301132.661	327518.587	296032.82	296466.967
							0.01			
-22812.474	-35709.063	-286449.59	-228142.85	-136223.32	-126636.08	-45975.687	-45553.389	-86172.594	-65545.263	-48038.574
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4.4	2.01	3.15	1.98	3.53	4.03	3.46	2.81	2.5	4.43	3.52
0.002604	0.148584									
93264.8508	103041.772	114008.5	97614.004	95482.7923	82397.4021	82739.583	86966.8425	113908.915	98983.8969	87635.068
1.22	2.2	1.25	1.09	1.17	1.03	1.14	1.1	1.16	1.06	1.62
6097.56	10995.6	6372.45	5556.7764	5964.6132	5250.8988	5811.6744	5607.756	5913.6336	5403.8376	8258.6952
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
341853.552	327979.314	417710.041	310183.634	317402.985	302968.045	276213.332	289731.528	314995.854	284737.593	285440.25
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
6097.56	10995.6	6372.45	5556.7764	5964.6132	5250.8988	5811.6744	5607.756	5913.6336	5403.8376	8258.6952
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
14160.5375	13655.85	17559.3629	12638.8495	12744.1452	12103.2143	10804.2583	11474.7167	12522.7334	11295.2276	11148.3775
							0.01			
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002828	0.000714	0.001407	0.002957	0.002239	0.00274	0.002553	0.000223
			0.002727	0.000714	0.001406	0.002933	0.002239	0.002303	0.002553	0.000216
								85.103434		
								0.25827		
			2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
0.033385	0.02665	0.025637	0.037301	0.03278	0.022578	0.027015	0.042005	0.045245	0.018856	0.027091
			43.2	12.6	24.3	51.75	38.7	42.3	43.2	4.05
			1108.73048	323.379721	623.660892	1328.16672	993.237717	1085.63192	1108.73048	103.943482
			1.087854	0.271963	1.087854	0.543927	0.271963	0.271963	0.271963	0.271963
			66.15216	19.29438	37.21059	79.244774	59.261309	64.773989	66.152159	6.201765
1113.54	1238.1	1145.85	1016.61	1137.45	1125.99	1144.23	1103.61	1168.62	1106.73	1214.19
2.892311	2.920047	2.923086	2.888096	2.909079	2.932265	2.918954	2.873984	2.864264	2.94343	2.918725
1152	1272	1176	1056	1176	1152	1176	1152	1224	1128	1248
2.992207	3	3	3	3.007672	3	3	3	3	3	3
			2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27

		16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
		16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1358.29954	427.146579	744.846726	1656.19292	1185.76797	1769.02601	1790.87462	122.256036
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		1358.29954	427.146579	744.846726	1656.19292	1185.76797	1769.02601	1790.87462	122.256036
		0.96	0.28	0.54	1.15	0.86	0.94	0.96	0.09
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1065.30248	1174.88264	110.145247
		1358.29954	427.146579	744.846726	1656.19292	1185.76797	1648.42316	1790.87462	122.256036
		0.12	0.03	0.12	0.06	0.03	0.029674	0.03	0.03
		2.88	0.84	1.62	3.45	2.58	2.611385	2.88	0.27
							407.945359		
							4.079453		
		2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
		0.008181	0.002148	0.004218	0.008801	0.006718	0.006911	0.007659	0.000649
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
							0.208614		
							85.103434		
		0.06		0.01		0.07	0.01		
		-183.4169	-84.472477	-83.975244	-248.78143	-133.26895	-618.6201	-615.99198	-12.110789
		-1541.7164	-511.61906	-828.82197	-1904.9744	-1319.0369	-2267.0433	-2406.8666	-134.36683
		287.8752	82.6487	136.036	252.8743	221.5535	303.0718	306.7804	23.2469
		0.45	0.1	0.15	0.26	0.19	0.09	0.08	0.06
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
0.14	7.024831	7.346252	5.365343	2.691099	1.561521	2.687083	4.391262	2.968357	2.98223
0.000021	0.013912	0.036675	0.027472	0.02509	0.02999	0.018867	0.029256	0.019569	0.034477
0.00002	0.013627	0.035187	0.026693	0.024671	0.028959	0.01876	0.0287	0.019228	0.033562
	3493.26244	9648.70563	4989.22764	1744.89066	1505.24574	3493.0477	28854.3699	10140.8571	4131.71191

		10.678144	30.355096	17.297702	6.956434	6.733564	11.324139	86.631543	29.762755	13.690223
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.02694	0.031686	0.027028	0.027926	0.033698	0.028072	0.028188	0.028489	0.027205	0.030146	0.03512
5.6		3759.5	8846.9	7474.8	6821.7	8211.6	5191	8409.1	5183.1	10048.5
37.184295		18312.853	78868.1539	64106.9134	80137.1579	84921.1915	46494.5985	68276.8524	42814.3061	94934.5916
0.0664		2.530044	3.126101	2.310134	1.585681	0.833786	1.228024	1.941307	1.377523	1.562551
		712.3364	1539.66843	970.956644	138.243429	144.608226	411.483015	3892.20725	1470.0571	476.849681
18712.9	20471.7	18999.3	17097.4	18930.8	18624.1	19047.2	18715.4	19801.8	18266.1	20000.2
48.604935	48.282311	48.467602	48.572159	48.416368	48.50026	48.589795	48.73802	48.533823	48.580053	48.077403
19200	21200	19600	17600	19600	19200	19600	19200	20400	18800	20800
49.870129	50	50	50	50.127877	50	50	50	50	50	50
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.929607		45.733577	73.6194	53.809587	38.09922	20.456726	30.920918	49.245224	32.116591	40.494147
0.929607		36.067234	44.74293	32.910351	22.641578	11.919557	17.423567	27.69386	19.534518	22.298841
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
38.171107		20518.3888	108748.458	86035.1442	116355.521	139925.821	85243.5813	116951.182	79926.706	137894.889
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
38.171107		20518.3888	108748.458	86035.1442	116355.521	139925.821	85243.5813	116951.182	79926.706	137894.889
111.71	138.33	254.03	327.98	328.63	238.7	216.63	261.28	321.02	212.3	233.52
37.184295		15042.9485	69488.9553	59293.8838	78553.3342	83601.9927	43113.1588	39679.6036	32755.754	91062.8427
38.171107		16632.5041	96372.1835	79749.3239	113984.418	137030.207	79358.8285	63116.3218	55348.1786	132566.781
0.4		9.515927	9.763313	7.385773	4.194767	2.494082	3.894477	4.375393	4.075692	4.760446
0.4		216.275463	510.174886	454.132169	463.888568	557.473532	331.180199	311.478869	257.653801	664.240527
		76.248093	107.6932	100.834584	155.660333	158.998405	100.127926	101.13894	93.885927	118.197872
		27.313188	32.30796	18.029216	9.33962	4.769952	13.01663	30.066778	15.960607	17.695145
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.001038		0.681377	1.759375	1.338107	1.233593	1.447959	0.93802	1.435049	0.961436	1.678125
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
		50.824536	109.125113	69.06783	9.811431	10.126467	29.0198	274.02113	103.846198	33.859472
		3493.26244	9648.70563	4989.22764	1744.89066	1505.24574	3493.0477	28854.3699	10140.8571	4131.71191
0.01		3.46	7.15	6.43	7.37	8.18	4.58	5.97	4.18	10.89
-0.986811		-1982.1779	-29610.797	-21752.033	-36057.296	-54818.583	-38637.375	-48417.208	-37030.095	-42700.335
-39.157919		-18614.682	-125982.98	-101501.36	-150041.71	-191848.79	-117996.2	-111533.53	-92378.273	-175267.12
		0.38	0.54	0.27	0.03	0.07	0.22	2.2	0.64	0.21

2.8454		2319.7896	6047.8642	4628.691	3928.6999	4733.9617	3262.7674	6411.046	3704.5461	5745.9554
		0.32	0.25	0.14	0.09	0.07	0.04	0.19	0.03	0.17
		213.576	183.513	103.198	68.649	56.983	39.484	153.899	22.883	126.081
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
37.184295		18312.853	78868.1539	64106.9134	80137.1579	84921.1915	46494.5985	68276.8524	42814.3061	94934.5916
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
		213.576	183.513	103.198	68.649	56.983	39.484	153.899	22.883	126.081
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
		9.782	85.993999	72.999999	92.417999	129.064	72.124	103.222	59.421999	133.882
		0.08	0.36	0.43		0.02	0.06	0.08	0.05	
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002846	0.000714	0.001423	0.002998	0.002515	0.002549	0.002553	0.00024
			0.002585	0.000714	0.00138	0.002984	0.002057	0.002549	0.002553	0.00024
								75.947501		
								0.234776		
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
0.031796	0.033537	0.026989	0.024772	0.02454	0.020963	0.033673	0.033567	0.035686	0.027686	0.031298
			54.6	16.8	31.8	70.2	47.4	62.4	57.6	6
			1401.31213	431.172962	816.148822	1801.68702	1216.52372	1601.49958	1478.3073	153.990343
			1.089078	0.272269	1.089078	0.544539	0.272269	0.272269	0.272269	0.272269
			85.27974	26.23992	49.66842	109.64538	74.03406	97.46256	89.96544	9.3714
1487.16	1639.12	1525.68	1373.12	1529.52	1503.8	1515.2	1484.44	1573.76	1462.36	1611.92
3.862753	3.865849	3.89204	3.900909	3.911815	3.916145	3.865306	3.865729	3.857254	3.889255	3.874807
1536	1696	1568	1408	1568	1536	1568	1536	1632	1504	1664
3.98961	4	4	4	4.01023	4	4	4	4	4	4
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			16.336174	4.084043	16.336174	8.168087	4.084043	4.084043	4.084043	4.084043
			16.336174	4.084043	16.336174	8.168087	4.084043	4.084043	4.084043	4.084043
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1715.95263	569.528772	976.803511	2241.2417	1459.60656	2580.27574	2387.83283	179.46806
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			1715.95263	569.528772	976.803511	2241.2417	1459.60656	2580.27574	2387.83283	179.46806
			0.91	0.28	0.53	1.17	0.79	1.04	0.96	0.1

			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1623.01463	1568.27274	163.361743
			1715.95263	569.528772	976.803511	2241.2417	1459.60656	2480.89108	2387.83283	179.46806
			0.16	0.04	0.16	0.08	0.04	0.03974	0.04	0.04
			3.64	1.12	2.12	4.68	3.16	3.974038	3.84	0.4
								496.959478		
								4.969594		
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			0.01034	0.002864	0.00552	0.011938	0.008229	0.010196	0.010212	0.000961
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
								0.185961		
								75.947501		
			0.79	0.28	0.53	1.17	0.79	1	0.96	0.09
			-229.36076	-112.11589	-110.98627	-329.9093	-169.04878	-881.31361	-819.56009	-16.106316
			-1945.3134	-681.64466	-1087.7898	-2571.151	-1628.6553	-3362.2047	-3207.3929	-195.57438
								0.04		
			272.793	82.6487	133.7727	257.404	205.5361	336.6824	306.7804	25.5448
			0.42	0.1	0.15	0.27	0.17	0.11	0.08	0.07
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
10.486779	10.48224	10.207672	10.563956	10.693832	10.737106	10.93394	10.827531	10.77307	10.806467	10.954798
0.460594	0.514451	0.715875	0.516012	0.439428	0.421908	0.340477	0.374455	0.401818	0.384713	0.328389
0.435773	0.488246	0.673958	0.489096	0.419578	0.399921	0.321949	0.355556	0.380704	0.359565	0.308059
362020.929	445008.193	569208.837	379449.628	365124.156	325041.681	279908.923	303479.511	349183.425	303971.581	286528.063
1356.3441	1404.19016	1807.64889	1261.34434	1374.20318	1385.93614	1216.07719	1241.31614	1155.57554	1060.78849	1234.99857
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
0.05526	0.054033	0.060943	0.054602	0.047729	0.052942	0.056938	0.059401	0.052549	0.071276	0.059735
101812.14	124911.108	156199.952	103845.172	100263.028	93958.3926	78542.3212	84142.2392	95403.2613	83120.3631	79998.8497
157787.406	193522.989	249172.53	166971.289	161493.498	151677.317	126791.766	135813.061	153931.301	133894.194	128635.933
3.5012	3.5012	3.5747	3.5747	3.5747	3.574699	3.574699	3.574699	3.5747	3.574699	3.574699
198655.848	243726.554	310010.045	206101.514	198992.032	186479.222	155882.945	166997.102	189346.853	164968.985	158773.717

21258.908	23503.874	21571.246	19500.908	21874.794	21311.062	21663.248	21165.734	22652.416	20463.12	22921.39
55.217942	55.433665	55.028688	55.400306	55.945764	55.497557	55.263387	55.119098	55.520627	54.423191	55.099495
22502.4	24846.4	22971.2	20627.2	22971.2	22502.4	22971.2	22502.4	23908.8	22033.6	24377.6
58.447792	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
41.723745	41.028582	39.862356	42.541546	43.33996	44.048176	45.879563	46.947602	44.355231	46.266965	46.272341
37.354179	37.336057	37.135026	38.392636	38.855869	39.007957	39.716252	39.335649	39.140229	39.261867	39.796269
397867.282	479027.888	603014.738	406229.399	397975.228	372686.622	320094.447	348256.094	381807.196	341251.343	326522.681
367682.16	471297.12	867966.521	651544.613	549627.666	507994.152	380743.185	395879.197	466987.506	406698.211	382854.634
-30185.121	-7730.7682	264951.783	245315.214	151652.438	135307.529	60648.7382	47623.1029	85180.31	65446.8678	56331.9533
367682.16	471297.12	867966.521	651544.613	549627.666	507994.152	380743.185	395879.197	466987.506	406698.211	382854.634
362.78	401.09	368.11	332.78	373.29	363.67	369.68	361.19	386.56	349.2	391.15
698.134264	5.290364	36.801417	180.822671	1626.22024	18964.3364	7572.9008	4531.21814	11.148126	41.234452	5762.92871
775.821292	4.819248	47.602334	295.776831	2657.89454	44645.8256	21930.2357	10229.0801	15.415295	67.565885	16028.6557
4.514638	0.13	0.763488	1.066961	4.71519	9.688784	6.649022	5.533443	0.272487	0.898537	5.972219
19.276585	0.13	0.893488	4.860865	43.692865	512.1402	203.324731	121.896527	0.272487	1.017075	155.154863
31.737691	33.610954	47.725109	36.397759	31.792098	25.145897	20.235724	23.134816	26.052182	27.468581	21.542368
30.742939	28.90542	45.33682	29.479277	29.15059	23.988032	18.500423	20.758871	21.620685	23.073608	17.143502
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
25.470005	28.611216	39.493969	28.661051	24.650189	23.435411	18.866219	20.835598	22.309274	21.070526	18.052298
-83402.327	-73021.804	183306.068	191035.343	99244.9532	86195.4776	19594.6669	3641.95449	35313.0253	21999.854	14516.5546
-83402.327	-73021.804	183306.068	191035.343	99244.9532	86195.4776	19594.6669	3641.95449	35313.0253	21999.854	14516.5546
9786.67541	12131.026	15480.7425	10083.8291	9594.53113	8487.0578	7192.23327	7878.97347	9101.91151	7921.50092	7354.60114
362020.929	445008.193	569208.837	379449.628	365124.156	325041.681	279908.923	303479.511	349183.425	303971.581	286528.063
0.04		0.06	0.04	0.12	0.97	0.54	0.13		0.02	0.15
30185.1213	7730.7682	-264951.78	-245315.21	-151652.44	-135307.53	-60648.738	-47623.103	-85180.31	-65446.868	-56331.953
29409.3	7725.94895	-264999.39	-245610.99	-154310.33	-179953.36	-82578.974	-57852.183	-85195.725	-65514.434	-72360.609
21.91	20.87	19.29	16.8	22.94	21.3	18.24	22.2	21.2	20.97	21.62
86909.9537	114455.17	104750.368	91700.35	89598.5475	77638.573	77096.1376	79438.3746	106406.836	89588.9064	81763.8663
1.55	1.5	1.46	1.15	1.35	1.24	1.41	1.74	1.41	1.61	1.48
35148.2185	34014.405	33769.0992	26598.948	31224.852	28680.6048	32612.6232	40245.3648	32612.6232	37238.5272	34231.6896
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
356443.254	437249.543	559182.575	373072.802	360485.53	338156.539	282674.711	302810.163	343278.153	298863.179	287409.65

9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
35148.2185	34014.405	33769.0992	26598.948	31224.852	28680.6048	32612.6232	40245.3648	32612.6232	37238.5272	34231.6896
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
6275.80928	7763.93984	10063.0634	6557.6485	6264.8456	5849.4787	4807.1127	5200.5655	5916.4196	5149.6367	4881.3414
0.33	0.01	0.08	0.02	0.21	0.75	0.53	0.47	0.02	0.02	0.2
		4.35	5.7	4.5	2.25	1.2	2.55	4.2	2.85	3
		0.008799	0.030728	0.02342	0.022256	0.029001	0.017076	0.026057	0.016902	0.032711
		0.008698	0.029403	0.022933	0.021562	0.027678	0.016979	0.025245	0.015904	0.032259
		427.556732	1502.23292	925.359882	161.652284	272.616947	551.550038	4892.29829	1622.27476	661.689857
		1.301686	4.704392	3.144875	0.607589	1.239976	1.72255	14.574962	4.652055	2.183524
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
0.02914	0.022995	0.016479	0.030823	0.032397	0.041276	0.035	0.028177	0.026544	0.030398	0.024399
		716.1	2173.5	1887.9	1738.8	2278.5	1369.2	2163	1255.8	2818.2
		3266.03426	20478.0079	16602.4006	20708.6901	23706.1198	12503.7381	17882.4552	10296.0312	26975.5279
		1.376269	2.509896	1.906875	1.27608	0.616546	1.124841	1.717028	1.200035	1.490191
		88.631413	219.079763	197.510495	10.422422	26.813924	52.067797	640.152697	258.564686	76.858566
5219.34	5799.5	5397.56	4776.1	5310.2	5154.1	5295.92	5224.52	5560.38	5103.98	5681.9
13.556727	13.678066	13.769285	13.568465	13.581074	13.422135	13.51	13.60552	13.628382	13.574414	13.658413
5376	5936	5488	4928	5488	5376	5488	5376	5712	5264	5824
13.963636	14	14	14	14.035805	14	14	14	14	14	14
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
		21.416602	38.497055	28.650519	19.153202	9.445199	16.92754	26.043969	18.212231	22.549662
		21.416602	38.497055	28.650519	19.153202	9.445199	16.92754	26.043969	18.212231	22.549662
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3662.53708	28168.2061	22067.0006	29837.4023	38549.6987	22958.9489	30636.6368	19625.1204	38370.4498
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		3662.53708	28168.2061	22067.0006	29837.4023	38549.6987	22958.9489	30636.6368	19625.1204	38370.4498
60	81.74	137.78	167.84	167.45	123.18	116.74	145.97	164.14	105.36	140.2
		2953.97753	19122.775	15708.5407	20568.0379	23475.5029	11973.1881	13063.657	8705.25641	26408.338
		3198.13628	26293.4983	20898.2379	29613.4062	38027.5553	22084.9082	21553.6849	16056.4025	37563.1434
		3.957199	4.965074	3.700766	2.095119	1.118497	2.35882	2.953508	2.597081	2.784199
		41.831239	130.294682	112.692633	115.225171	150.112405	87.808813	101.523153	66.482354	182.756095
		72.909316	111.699575	110.527515	232.650725	153.166114	127.583592	97.410767	93.607342	125.53762
		7.290931	21.222919	12.158026	2.326507	1.531661	6.379179	24.315245	11.232881	12.495922

		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
		0.121785	0.411647	0.321892	0.301875	0.3875	0.237708	0.353431	0.222659	0.451634
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		5.90876	14.605317	13.167366	0.694828	1.787594	3.471186	42.676846	17.237645	5.123904
		427.556732	1502.23292	925.359882	161.652284	272.616947	551.550038	4892.29829	1622.27476	661.689857
		2.36	3.88	3.22	2.25	2.51	1.42	2.53	1.52	4.21
		-281.00282	-7543.1982	-5433.1	-9107.7122	-14801.579	-10434.211	-12680.682	-9297.5892	-11300.422
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		0.33	0.31	0.24			0.05	0.97	0.52	0.17
		1099.912	3146.0341	2479.4908	1958.5765	2477.5201	1681.0097	3305.8289	1849.1452	3173.7075
		0.11	0.14	0.03	0.02	0.04	0.02	0.07	0.03	0.09
		115.5	147	31.5	21	42	21	73.5	31.5	94.5
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3266.03426	20478.0079	16602.4006	20708.6901	23706.1198	12503.7381	17882.4552	10296.0312	26975.5279
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
		115.5	147	31.5	21	42	21	73.5	31.5	94.5
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		0.02	0.2	0.24		0.03	0.1	0.1	0.05	
11.06256	11.007873	10.727266	11.113662	11.248036	11.29128	11.482258	11.374753	11.325824	11.35635	11.497885
0.324172	0.343445	0.474203	0.372456	0.328907	0.315335	0.276873	0.29232	0.309728	0.299069	0.275709
0.31207	0.325573	0.457542	0.358945	0.316151	0.303238	0.265833	0.281197	0.29862	0.287407	0.26435
1512969.55	1865169.91	2317370.45	1670404.88	1553375.08	1286063.05	1269991.49	1373537.82	1757537.59	1512983.69	1388007.86
5674.08611	5882.80631	7336.02468	5528.75529	5840.30413	5481.50926	5519.58448	5596.27815	5796.8466	5258.36189	5961.41469
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
0.033499	0.032774	0.031493	0.03369	0.033733	0.033735	0.034466	0.035916	0.034133	0.035091	0.036566
483770.662	551810.407	699713.068	506099.794	501962.555	473729.192	431865.949	442829.682	497559.186	441799.495	455810.286
751486.117	856266.726	1208120.65	1041998.47	974551.84	957810.976	874698.853	827943.837	965617.854	828535.124	943349.603
3.269749	3.303397	3.430852	3.557987	3.475305	3.509072	3.469481	3.432186	3.470383	3.441889	3.499731
829912.944	966994.148	1203798.05	845825.558	844957.756	800297.245	725729.03	753186.988	834825.475	751197.842	755607.64
76.881177	199.94969	9565.68234	8352.73385	4340.77085	913.060207	800.92158	2509.53437	15033.8418	7126.025	3209.98146
135677.648	147476.729	138730.556	124527.243	138361.449	135424.277	138458.153	135476.524	144438.221	132415.22	146452.04
352.409475	347.822474	353.904479	353.770576	353.865598	352.667388	353.209573	352.803447	354.015247	352.168138	352.048173

140966.4	155650.4	143903.2	129219.2	143903.2	140966.4	143903.2	140966.4	149776.8	138029.6	152713.6
366.146493	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
125.49903	123.230424	229.8587	339.198436	250.506171	268.690218	203.229205	210.771769	244.616131	213.95158	227.278374
37.647984	37.84407	38.507898	41.169026	40.680089	41.166402	41.399182	40.62426	40.930867	40.674746	41.818344
1697982.63	1952219.84	2577783.19	2011889.09	1948427.87	1876308.09	1714728.51	1705073.68	1929162.79	1700060.76	1826302.02
1563562.73	1884468.55	3644699.97	3045257.29	2512799.43	2418310.91	1955288.28	1869771.59	2314175.74	1997613.71	2053786.08
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1374.56	1476.92	1737.28	1746.8	1831.31	1634.88	1586.77	1686.09	1879.64	1543.15	1700.72
133156.002	32742.4085	210272.429	302319.051	347039.926	546624.018	397138.604	275271.65	122997.106	135466.746	385701.927
151957.919	36485.107	276996.518	478890.211	556899.174	980502.194	796718.937	498555.965	193555.57	224554.428	701497.194
9.7146	4.746276	11.465318	6.866654	6.863139	7.194256	4.866535	5.302539	2.920852	2.938527	5.301468
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32.011465	33.870323	50.864479	47.234463	37.223416	28.720081	22.552804	27.395424	38.796152	33.024067	25.220043
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
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9.67	2.52	73.8	51.87	52.96	54.36	35.33	32.16	23.19	22.97	38.97
134419.904	67751.2946	-1066916.8	-1033368.2	-564371.56	-542002.82	-240559.77	-164697.92	-385012.95	-297552.95	-227484.07
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305.67	387.36	271.32	274.5	300.1	260.14	310.5	308.54	374.7	337.93	340.09
0.000236	0.013507									
275609.155	344312.484	349413.656	309454.651	295954.06	254803.86	256875.581	264142.917	355231.528	301243.086	275729.123
3.86	4.62	4.88	5.03	4.28	3.96	4.57	4.61	4.49	3.99	4.74
51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
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43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
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68.56	32.71	46.62	25.59	38.82	69.33	46.03	43.12	10.03	14.76	36.58
3196836.89	4385089.13	6150034.19	4800930.95	3866275.59	3125665.27	2467975.32	2762064.77	3997587.28	3418521.17	2681159.04
674419.388	1255201.59	809805.236	693997.631	533922.378	265906.188	275119.361	437596.316	1016663.72	835988.707	392685.308
2510.37142	3928.54015	2525.90157	2263.42277	1970.38502	1110.9879	1174.23453	1669.85654	3239.08782	2806.65348	1610.8922
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102164.422	134025.464	123631.332	106249.859	103849.734	89928.0295	90262.454	94413.4392	123257.481	108045.273	97035.034
674419.388	1255201.59	809805.236	693997.631	533922.378	265906.188	275119.361	437596.316	1016663.72	835988.707	392685.308
304.72	387.74	269.48	273.4	299.25	258.77	309.26	307.55	374.1	337.55	339.33
197.11558	246.978287	209.320053	215.02229	187.6232	154.781467	155.62654	209.851301	271.00048	257.499167	203.339152
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3871256.28	5640290.72	6959839.42	5494928.58	4400197.96	3391571.46	2743094.68	3199661.09	5014251	4254509.87	3073844.34
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674419.388	1255201.59	809805.236	693997.631	533922.378	265906.188	275119.361	437596.316	1016663.72	835988.707	392685.308
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674419.388	1255201.59	809805.236	693997.631	533922.378	265906.188	275119.361	437596.316	1016663.72	835988.707	392685.308
304.72	387.74	269.48	273.4	299.25	258.77	309.26	307.55	374.1	337.55	339.33
197.11558	246.978287	209.320053	215.02229	187.6232	154.781467	155.62654	209.851301	271.00048	257.499167	203.339152

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102164.422	134025.464	123631.332	106249.859	103849.734	89928.0295	90262.454	94413.4392	123257.481	108045.273	97035.034
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4404.52546	4788.03316	4919.20487	4125.1497	4093.10969	4360.9583	4342.09996	3852.21535	3170.5871	3170.99104	4198.1319
138641.056	154429.349	245619.02	183565.892	147408.776	154874.787	125062.795	111567.812	90192.6912	92427.1924	117217.644

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4404.52546	4788.03316	4919.20487	4125.1497	4093.10969	4360.9583	4342.09996	3852.21535	3170.5871	3170.99104	4198.1319
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138641.056	154429.349	245619.02	183565.892	147408.776	154874.787	125062.795	111567.812	90192.6912	92427.1924	117217.644
4404.52546	4788.03316	4919.20487	4125.1497	4093.10969	4360.9583	4342.09996	3852.21535	3170.5871	3170.99104	4198.1319

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138641.056	154429.349	245619.02	183565.892	147408.776	154874.787	125062.795	111567.812	90192.6912	92427.1924	117217.644
410495.146	460983.752	26425.5412								
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7412.33562	8324.01141	8113.11822	7458.79851	8220.60129	8859.74666	8257.01524	6590.059	5536.69479	5010.01808	6987.37679
230068.362	269855.515	399893.054	336187.428	300235.928	306348.516	224328.852	187366.23	171727.143	154071.398	188544.594
7412.33562	8324.01141	8113.11822	7458.79851	8220.60129	8859.74666	8257.01524	6590.059	5536.69479	5010.01808	6987.37679
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102164.422 134025.464 123631.332 106249.859 103849.734 89928.0295 90262.454 94413.4392 123257.481 108045.273 97035.034
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386375.987 433974.748 24875.2575
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141869.618	191560.931	10760.1171								
141869.618	191560.931	10760.1171								
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141869.618	191560.931	10760.1171								
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1301105.94 1461854.32 87144.7704
35334.4982 39320.9383 39669.2415 34110.0511 37703.1289 40520.3524 37193.3223 33058.8362 28422.2905 26645.2677 34203.0271
1301105.94 1461854.32 87144.7704
1301105.94 1461854.32 87144.7704
35334.4982 39320.9383 39669.2415 34110.0511 37703.1289 40520.3524 37193.3223 33058.8362 28422.2905 26645.2677 34203.0271
1101141.07 1272347 1961009.5 1531870.64 1367030.38 1412476.84 1026135.75 944814.255 851513.656 801577.917 928055.542
-199964.87 -189507.32 1873864.73 1531870.64 1367030.38 1412476.84 1026135.75 944814.255 851513.656 801577.917 928055.542
1301105.94 1461854.32 87144.7704

11.06256	11.007873	10.727266	11.113662	11.248036	11.29128	11.482258	11.374753	11.325824	11.35635	11.497885
0.324172	0.343445	0.474203	0.372456	0.328907	0.315335	0.276873	0.29232	0.309728	0.299069	0.275709
0.31207	0.325573	0.457542	0.358945	0.316151	0.303238	0.265833	0.281197	0.29862	0.287407	0.26435
3196836.89	4385089.13	6150034.19	4800930.95	3866275.59	3125665.27	2467975.32	2762064.77	3997587.28	3418521.17	2681159.04
3488494.88	4582225.82	3214320.46	2364402.51	2087297.46	1551969.24	1545110.85	1811134.14	2774201.3	2348972.4	1780693.17
13106.5972	14470.4721	10132.1582	7792.17806	7810.68915	6592.49716	6693.819	7266.13469	9035.93442	8065.01537	7572.30689
-22838.426	-44028.826	-18120.272	-25757.158	-20651.373	-6661.2731	-14814.792	-21715.171	-50108.816	-41729.205	-22462.043
4220048.36	4395883.71									
0.033499	0.032774	0.031493	0.03369	0.033733	0.033735	0.034466	0.035916	0.034133	0.035091	0.036566
483770.662	551810.407	699713.068	506099.794	501962.555	473729.192	431865.949	442829.682	497559.186	441799.495	455810.286
751486.117	856266.726	1208120.65	1041998.47	974551.84	957810.976	874698.853	827943.837	965617.854	828535.124	943349.603
3.269749	3.303397	3.430852	3.557987	3.475305	3.509072	3.469481	3.432186	3.470383	3.441889	3.499731
829912.944	966994.148	1203798.05	845825.558	844957.756	800297.245	725729.03	753186.988	834825.475	751197.842	755607.64
76.881177	199.94969	9565.68234	8352.73385	4340.77085	913.060207	800.92158	2509.53437	15033.8418	7126.025	3209.98146
135677.648	147476.729	138730.556	124527.243	138361.449	135424.277	138458.153	135476.524	144438.221	132415.22	146452.04
352.409475	347.822474	353.904479	353.770576	353.865598	352.667388	353.209573	352.803447	354.015247	352.168138	352.048173
140966.4	155650.4	143903.2	129219.2	143903.2	140966.4	143903.2	140966.4	149776.8	138029.6	152713.6
366.146493	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
125.49903	123.230424	229.8587	339.198436	250.506171	268.690218	203.229205	210.771769	244.616131	213.95158	227.278374
37.647984	37.84407	38.507898	41.169026	40.680089	41.166402	41.399182	40.62426	40.930867	40.674746	41.818344
1697982.63	1952219.84	2577783.19	2011889.09	1948427.87	1876308.09	1714728.51	1705073.68	1929162.79	1700060.76	1826302.02
1563562.73	1884468.55	3644699.97	3045257.29	2512799.43	2418310.91	1955288.28	1869771.59	2314175.74	1997613.71	2053786.08
102164.422	134025.464	123631.332	106249.859	103849.734	89928.0295	90262.454	94413.4392	123257.481	108045.273	97035.034
-134419.9	-67751.295	1066916.77	1033368.2	564371.558	542002.822	240559.77	164697.916	385012.951	297552.948	227484.066
2664703.8	3156815.55	5605709.47	4577127.93	3879829.8	3830787.75	2981424.04	2814585.85	3165689.4	2799191.63	2981841.62
1374.56	1476.92	1737.28	1746.8	1831.31	1634.88	1586.77	1686.09	1879.64	1543.15	1700.72
133156.002	32742.4085	210272.429	302319.051	347039.926	546624.018	397138.604	275271.65	122997.106	135466.746	385701.927
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
674419.388	1255201.59	809805.236	693997.631	533922.378	265906.188	275119.361	437596.316	1016663.72	835988.707	392685.308
304.72	387.74	269.48	273.4	299.25	258.77	309.26	307.55	374.1	337.55	339.33
197.11558	246.978287	209.320053	215.02229	187.6232	154.781467	155.62654	209.851301	271.00048	257.499167	203.339152

6.485378	9.463156	5.048018	5.22356	4.241386	3.085103	3.371659	4.208925	6.95195	6.457902	4.080278
26,246	44,874	22,546	29,702	26,369	16,248	20,953	26,452	51,545	43,478	28,134
151957.919	36485.107	276996.518	478890.211	556899.174	980502.194	796718.937	498555.965	193555.57	224554.428	701497.194
3.736384	1.582092	5.350482	3.975431	3.973396	4.165095	2.817468	3.069891	1.691019	1.701252	3.069271
3,407	845	4,426	3,945	5,717	9,586	6,138	4,737	1,436	1,749	5,672
32.0596	33.774834	51.176917	47.277303	37.348741	29.546674	23.284208	27.785394	38.875212	32.977757	26.380453
31.941175	33.761552	50.85712	47.263449	37.214433	28.722511	22.590514	27.402235	38.771697	32.971288	25.063907
-22838.426	-44028.826	-18120.272	-25757.158	-20651.373	-6661.2731	-14814.792	-21715.171	-50108.816	-41729.205	-22462.043
-59.320586	-103.84157	-46.225184	-73.173743	-52.816811	-17.347065	-37.792835	-56.549924	-122.81573	-110.98193	-53.995295
-8003899.9	-9326540	-3562844.6	-2485233.7	-2184946.9	-1408167.6	-1416190.8	-1875889.1	-3008116.3	-2541812.6	-1749445.5
-78.361797	-69.587133	-28.797153	-23.360354	-21.018029	-15.638846	-15.663322	-19.875449	-24.419662	-23.502913	-18.045711
-8003899.9	-9326540	-3562844.6	-2485233.7	-2184946.9	-1408167.6	-1416190.8	-1875889.1	-3008116.3	-2541812.6	-1749445.5
75918.873	89151.3148	101084.901	76547.4822	77481.0151	73680.3965	69309.455	67961.6086	71712.3315	64567.044	68901.0935
2814075.5	3327024.23	2404515.23	1670404.88	1553375.08	1286063.05	1269991.49	1373537.82	1757537.59	1512983.69	1388007.86
7751270.02	9038231.45	3209252.68	2235692.11	1934873.65	1171185.6	1201279.8	1652552.6	2761060.67	2319390.3	1525619.43
8273731.49	10256947.9	3742061.4	2450799.53	1911896.85	456589.598	679680.224	1591592.95	3584168.82	2930824.58	1216807.54
0.000236	0.013507									
1092924.53	1408797.72	1330584.24	1152599.02	1126751.93	971595.29	978902.607	1019248.25	1341291.37	1165605.27	1052009.39
3.86	4.62	4.88	5.03	4.28	3.96	4.57	4.61	4.49	3.99	4.74
51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
10668603.7	12483355.5	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
6448555.31	8087471.8	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
1581399.06	1823260.87	2411918.7	1887824.03	1819509.6	1758108.22	1600427.88	1581130.82	1800443.33	1579732.97	1698957.24
79325.9962	89996.6383	105511.06	80492.7011	83198.3609	83266.7564	75447.6623	72698.2682	73148.6645	66316.0677	74572.9911
51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
6448555.31	8087471.8	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
64705.5263	74651.4439	114983.379	84341.9894	80642.3797	74381.3135	66479.3072	67537.9602	79655.4276	68582.8818	74401.7536
1301105.94	1461854.32	87144.7704								
35334.4982	39320.9383	39669.2415	34110.0511	37703.1289	40520.3524	37193.3223	33058.8362	28422.2905	26645.2677	34203.0271
1101141.07	1272347	1961009.5	1531870.64	1367030.38	1412476.84	1026135.75	944814.255	851513.656	801577.917	928055.542
-199964.87	-189507.32	1873864.73	1531870.64	1367030.38	1412476.84	1026135.75	944814.255	851513.656	801577.917	928055.542
1301105.94	1461854.32	87144.7704								

2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07	2036-08
30.282085	31.862086	33.262137	49.949886	45.53986	36.999865	34.929798	27.609787	28.829789	31.92981	31.269793
20.680486	20.680513	20.680565	20.725787	20.725799	20.725875	20.725799	20.725812	20.725837	20.72585	20.725812
30.155301	31.735301	33.135331	49.823995	45.413979	36.873982	34.803942	27.483936	28.703937	31.803949	31.143939
30.252827	31.832828	33.232874	49.920834	45.510811	36.970815	34.900755	27.580744	28.800746	31.900765	31.24075
29.521376	31.101375	32.501302	49.194537	44.784575	36.244568	34.174664	26.85468	28.074677	31.174647	30.514671
29.804204	31.384204	32.784176	49.475372	45.065386	36.525384	34.455419	27.135425	28.355424	31.455413	30.795422
$ 30.23	$ 31.81	$ 33.21	$ 49.90	$ 45.49	$ 36.95	$ 34.88	$ 27.56	$ 28.78	$ 31.88	$ 31.22
$ 30.27	$ 31.85	$ 33.25	$ 49.94	$ 45.53	$ 36.99	$ 34.92	$ 27.60	$ 28.82	$ 31.92	$ 31.26

25.665057	25.665057	25.665057	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358
1.59	1.59	1.59	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
29.97	31.55	32.95	49.64	45.23	36.69	34.62	27.3	28.52	31.62	30.96
5.873796	6.81273	7.635466	7.554376	7.522188	6.808813	6.163042	5.810525	5.828108	5.867824	5.860056
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
	0.27788	0.13894		0.55576	0.55576	0.55576			0.55576	0.416819
	0.000347	0.001383		0.001165	0.000871	0.002153			0.001315	0.005773
	0.000347	0.001383		0.001037	0.000871	0.002125			0.001315	0.005773
		202.317104		154.921428	36.306284				1836.35269	2552.23949
		0.588554		0.519873	0.112111				4.649412	6.875917
	3	13.2		8.4	8	17.6			11.6	53
0.027686	0.034661	0.031816	0.022474	0.031972	0.02696	0.032309	0.027107	0.026041	0.027321	0.03299
	41.682	183.4008		116.7096	111.152	244.5344			161.1704	736.381999
	1069.77092	4706.99204		3055.26574	2909.7769	6401.50918			4219.1765	19277.272
	0.544501	0.27225		1.110734	1.110734	1.110734			1.110734	0.83305
	65.02392	286.105248		185.568264	176.73168	388.809696			256.260936	1170.84738
8225.775	8340.525	9236.475	8621.775	7841.025	8932.5	8012.475	8931.15	8415	8579.025	8877.15
21.877061	21.663701	21.784139	21.994323	21.780625	21.947174	21.773029	21.890073	21.914062	21.885267	21.75772
8460	8640	9540	8820	8100	9180	8280	9180	8640	8820	9180
22.5	22.441558	22.5	22.5	22.5	22.555282	22.5	22.5	22.5	22.5	22.5
	3	13.2		8.4	8	17.6			11.6	53
	7.659138	3.797249		16.151674	15.680051	15.603852			15.492142	11.619107
	7.659138	3.797249		16.151674	15.680051	15.603852			15.492142	11.619107
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1229.55821	5530.99324		3657.49124	3682.784	7570.12526			5193.80168	24270.0225
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316

	1229.55821	5530.99324		3657.49124	3682.784	7570.12526			5193.80168	24270.0225
0.64	10.49	7.9	12.24	17.74	10.2	7.66	7.54	7.18	27.6	14.98
	1150.81004	4810.05218		3134.03228	3085.85809	6852.14657			2656.36875	17974.8498
	1229.55821	5308.68024		3493.44719	3644.95567	7570.12526			2995.78914	21088.7985
	0.4	0.19488		0.8	0.781251	0.8			0.676642	0.376393
	3	12.6672		8	7.906258	17.6			6.858621	46.410235
		379.724946		403.050193	387.303572				389.272263	390.635274
		3.797249		4.030501	3.873035				11.678167	7.812705
	3	13.2		8.4	8	17.6			11.6	53
	0.007792	0.031132		0.023333	0.019656	0.047826			0.029591	0.129901
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316
		0.532799		0.4	0.093741				4.741378	6.589764
		202.317104		154.921428	36.306284				1836.35269	2552.23949
	0.07	0.29		0.17	0.08	0.3			0.17	0.6
	-78.748167	-518.62395		-368.53753	-560.61962	-717.97868			-701.08024	-3742.9332
	-1308.3064	-5827.3042		-3861.9847	-4205.5753	-8288.1039			-3696.8694	-24831.732
				0.01					0.04	0.05
	43.6311	215.6539		120.7246	118.0962	201.6771			224.0322	841.5285
	0.01			0.03	0.02	0.03				
	11.6352			35.6037	23.7358	35.6037				
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1134.79484	4993.09729		3240.83401	3086.50858	6790.31887			4475.43744	20448.1193
	3	13.2		8.4	8	17.6			11.6	53
	11.6352			35.6037	23.7358	35.6037				
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	4.38	19.272		12.516	11.92	26.224			17.284	78.97
2.26056	1.78961	1.69542	5.08626	4.80369	4.33274	2.91989	3.48503	2.91989	3.29665	2.26056
0.043856	0.034693	0.035198	0.104149	0.103366	0.085764	0.065909	0.061327	0.061309	0.069613	0.054831
0.042739	0.032916	0.034221	0.101964	0.098722	0.0812	0.061983	0.06	0.060494	0.067423	0.052647
5210.28938	15929.8314	56708.0977	108683.32	75014.3692	41691.2472	10672.3788	8593.13825	35208.9075	121050.611	98761.5792
20.770534	56.069196	169.652178	328.948965	247.787994	146.804498	44.020137	35.496566	122.983947	355.549262	307.437442
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84

0.029494	0.033828	0.025165	0.028214	0.033777	0.034779	0.031739	0.028137	0.027447	0.033724	0.02995
8779.07314	6905.25728	7926.84202	21835.6909	19415.5731	18098.9853	12461.1486	13373.473	12690.5955	14438.7619	11734.567
85399.2264	74115.1	100706.61	214919.771	190615.392	144215.972	145345.746	92648.7673	104486.085	149667.92	142995.057
2.038813	1.53312	1.792645	3.680959	3.663723	2.694479	2.673529	2.413242	2.037251	2.712557	1.911421
489.697545	1492.57359	4429.34283	10681.9067	6919.76466	5810.02492	807.964904	1207.09474	3798.18962	10883.3807	7578.93831
21164.78	21518.58	23973.14	22094.52	20174.72	22840.98	20666.56	22998.16	21660.68	21969.24	22955.24
56.289308	55.892415	56.540424	56.363571	56.040888	56.120343	56.15913	56.368039	56.40802	56.043979	56.262843
21808	22272	24592	22736	20880	23664	21344	23664	22272	22736	23664
58	57.84935	58	58	58	58.142506	58	58	58	58	58
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
21.698329	16.420795	18.774746	40.445915	40.059562	30.331251	28.566928	26.63382	22.526379	29.226144	20.518071
21.698329	16.420795	18.774746	40.445915	40.059562	30.331251	28.566928	26.63382	22.526379	29.226144	20.518071
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
123220.918	120529.853	172303.943	291306.865	293126.658	232264.917	256665.487	140585.783	167540.031	248208.412	257981.057
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
123220.918	120529.853	172303.943	291306.865	293126.658	232264.917	256665.487	140585.783	167540.031	248208.412	257981.057
125.9	108.31	130.32	217.41	192.76	197.5	141.61	158.79	152.59	191.74	138.86
89824.2794	65700.5223	52646.7938	130608.147	137273.273	122694.177	148579.617	98958.315	83371.3238	44619.8797	57239.2995
116790.9	97769.3854	84825.4368	158569.3	190835.02	173047.552	239109.996	128588.221	114956.144	58281.8503	94740.5298
12.918034	9.246725	5.067839	17.967974	19.819876	19.931686	17.478683	19.759776	12.752755	7.40466	5.884629
880.069603	574.655874	371.323833	1184.17924	1326.65977	1304.69905	1237.19967	1291.6847	944.092349	377.469073	441.196374
98.385732	94.590995	112.755576	85.600873	93.831111	75.314071	114.189568	73.476416	73.289844	89.527669	90.074435
18.693289	16.080441	19.159993	39.333125	40.2509	29.355906	18.27033	22.739086	21.970915	31.32809	21.616542
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
2.478882	1.904207	1.984858	5.913928	5.725888	4.721228	3.595054	3.48	3.508697	3.910561	3.053529
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
51.990396	158.464125	470.256166	1134.08076	734.660225	616.840951	85.780327	128.155296	403.24765	1155.47093	804.643625
5210.28938	15929.8314	56708.0977	108683.32	75014.3692	41691.2472	10672.3788	8593.13825	35208.9075	121050.611	98761.5792
10.33	5.63	3.53	20.14	13.26	10.74	10.25	13.14	9.77	6.87	6.11
-28186.35	-38899.499	-62949.051	-52015.398	-80839.016	-67879.493	-97413.491	-33034.33	-48959.8	-82537.922	-101980.18
-144977.25	-136668.88	-147774.49	-210584.7	-271674.04	-240927.05	-336523.49	-161622.55	-163915.94	-140819.77	-196720.71
0.26	0.61	2.69	7.32	3.49	1.22	0.28	0.49	1.71	6.51	4.4
3783.2571	3490.0798	4742.1718	12961.7849	10404.1582	9123.4783	5336.5279	5769.3674	6124.9479	8794.3335	6700.4241
0.24	0.07	0.12	0.48	0.43	0.34	0.27	0.25	0.15	0.11	0.09

128.3304	37.4297	64.1652	261.792	234.522	185.436	147.258	136.35	81.81	59.994	49.086
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
85399.2264	74115.1	100706.61	214919.771	190615.392	144215.972	145345.746	92648.7673	104486.085	149667.92	142995.057
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
128.3304	37.4297	64.1652	261.792	234.522	185.436	147.258	136.35	81.81	59.994	49.086
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
9507.012	7477.824	8584.116	24109.904	21437.728	19984.016	13758.992	14766.336	14012.336	15942.576	12956.736
0.02	0.31	0.31	1.36	1.56	2.28	0.13	1.27	0.5	0.11	0.06
11.303681	11.320964	11.319923	11.0809	11.165867	11.211192	11.316779	11.270128	11.302285	11.295839	11.340479
0.516359	0.516917	0.521969	0.643711	0.586495	0.56446	0.51129	0.536232	0.515921	0.523204	0.506063
0.500976	0.496997	0.506395	0.622333	0.563661	0.545299	0.489061	0.515265	0.497058	0.506218	0.488519
697132.901	788923.931	967058.532	1070248.92	854250.211	880389.548	631881.565	748929	779182.159	921286.511	923141.663
2956.26999	2926.754	3020.69397	3342.46186	2920.23326	3250.61493	2664.36193	3191.1139	3112.41011	3040.32907	3160.52709
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
0.030425	0.041197	0.031603	0.033443	0.038138	0.036151	0.041793	0.038186	0.036458	0.034719	0.034754
233498.688	236225.934	265715.776	295444.745	247866.865	272904.501	223079.439	259372.531	236413.392	245439.044	247502.054
373670.136	378201.237	425409.954	491459.443	412384.143	452637.63	369913.982	430290.299	391980.476	409234.933	412291.799
3.5618	3.5618	3.5618	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364
460412.713	465790.297	523938.366	589825.888	494841.41	544826.546	445355.791	517811.32	471975.696	489994.508	494113.101
40466.16	40867.98	45576.6	42056.79	38435.97	43650.75	39140.82	43558.62	41070	42001.29	43714.02
107.622765	106.150597	107.491981	107.287729	106.766583	107.25	106.360923	106.761323	106.953125	107.146147	107.142205
41736	42624	47064	43512	39960	45288	40848	45288	42624	43512	45288
111	110.711688	111	111	111	111.272727	111	111	111	111	111
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
42.612954	42.863625	42.737818	42.680111	43.030847	43.191481	43.789818	43.462855	43.614667	43.549985	43.758111
42.207599	42.269651	42.265689	42.261677	42.569402	42.743451	43.126851	42.956545	43.075509	43.043721	43.209474
882452.278	895580.171	1005093.88	1144526.35	961262.259	1056049.14	866427.21	1005336.49	916162.704	952272.666	960694.346
874472.359	978987.449	1176213.28	1773654.01	1418072.19	1280169.54	1046151.24	901573.093	844231.802	1065636.66	1062885.69
-7979.9188	83407.2779	171119.4	629127.663	456809.932	224120.393	179724.027	-103763.4	-71930.903	113363.999	102191.341
874472.359	978987.449	1176213.28	1773654.01	1418072.19	1280169.54	1046151.24	901573.093	844231.802	1065636.66	1062885.69
364.56	368.18	410.6	378.89	346.27	393.25	352.62	392.42	370	378.39	393.82
177897.617	96554.3999	28964.312	65129.3844	97969.1488	166406.394	223294.595	245787.343	127096.446	21943.2548	27458.2827
335584.718	200976.685	66750.6806	145958.865	225341.977	310276.904	557551.641	394707.533	212045.047	39287.4053	62788.9831

30.8359	21.203131	8.106335	20.415232	24.059129	29.424086	30.714787	30.860366	25.572033	8.766162	8.789913
4425.5165	2408.65019	722.103052	1581.6351	2373.92067	4047.72969	5380.94043	5937.58274	3064.81643	525.910561	655.667132
23.371337	23.787858	26.045575	38.434918	31.248325	26.769178	22.305361	22.191046	22.513208	23.633663	22.079469
22.716284	23.733676	26.038914	38.418672	31.200108	26.654616	20.762192	21.196251	21.854455	23.625097	22.075072
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
55.60834	55.023444	56.209877	69.07903	62.566477	60.676948	54.285777	57.194519	55.173541	56.19029	54.225666
-130029.68	-40068.018	32229.7644	474698.695	327249.921	81473.2106	63120.4043	-239337.42	-195504.18	-14926.989	-27177.982
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16483.2195	18775.3758	23110.8849	25497.3449	20150.0113	20647.7883	14596.2256	17397.7813	18121.8236	21500.6834	21468.4049
697132.901	788923.931	967058.532	1070248.92	854250.211	880389.548	631881.565	748929	779182.159	921286.511	923141.663
25.79	26.39	11.19	25.44	24.41	26.29	26.7	28.77	15.22	7.81	9.51
7979.91883	-83407.278	-171119.4	-629127.66	-456809.93	-224120.39	-179724.03	103763.399	71930.9028	-113364	-102191.34
-327604.8	-284383.96	-237870.08	-775086.53	-682151.91	-534397.3	-737275.67	-290944.13	-140114.14	-152651.4	-164980.32
273.35	295.45	362.77	287.67	258.72	289.46	247.46	276.42	286.5	327.11	344.39
83964.5871	96047.4788	128453.746	118221.248	98118.9989	103280.053	80456.9123	89352.6616	89927.7056	112032.518	112377.927
0.72	0.98	0.88	0.87	0.86	0.88	1.07	1.01	0.94	0.86	0.96
7421.76	10101.84	9071.04	9148.05	9042.9	9253.2	11251.05	10620.15	9884.1	9042.9	10094.4
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
834082.849	843991.534	949348.321	1081285.33	907225.553	997464.176	815269.773	948101.62	863956.172	899229.441	906404.899
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
7421.76	10101.84	9071.04	9148.05	9042.9	9253.2	11251.05	10620.15	9884.1	9042.9	10094.4
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
40947.6686	41486.7965	46674.5237	54092.9704	44993.8066	49331.7668	39906.3868	46614.7231	42322.4321	44000.3242	44195.0462
41.06	22.01	11.82	18.86	19.17	37.26	43.78	52.58	34.98	7.02	7.65
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000208	0.000872		0.000833	0.000759	0.001661			0.000954	0.004894
	0.000208	0.000872		0.000833	0.000759	0.001657			0.000943	0.004877
		12.23836		12.469346					143.55594	234.212383
		0.034198		0.041171					0.352377	0.6148
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
0.03226	0.023932	0.032264	0.027295	0.029611	0.025343	0.027146	0.020196	0.026354	0.040816	0.042058
	3.6	16.65		13.5	13.95	27.45			16.65	89.55

	92.394206	427.323204		353.407839	365.1881	718.595939			435.869668	2344.272
	0.543927	0.271963		1.108386	1.108386	1.385482			0.831289	0.831289
	5.51268	25.496145		20.67255	21.361635	42.034185			25.496145	137.127914
1091.61	1124.43	1230.96	1143.9	1048.02	1192.98	1074.03	1199.28	1121.64	1128	1172.52
2.903218	2.920597	2.903207	2.918112	2.911166	2.931154	2.918559	2.939411	2.920937	2.877551	2.873823
1128	1152	1272	1176	1080	1224	1104	1224	1152	1176	1224
3	2.992207	3	3	3	3.007371	3	3	3	3	3
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	101.43196	488.912592		412.889561	442.541512	809.289733			528.596952	2844.04241
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
	101.43196	488.912592		412.889561	442.541512	809.289733			528.596952	2844.04241
	0.08	0.37		0.3	0.31	0.61			0.37	1.99
	97.906886	440.580988		361.611042	386.549735	760.630124			317.809872	2247.18753
	101.43196	476.599008		400.385207	442.541512	809.289733			363.463489	2562.44872
	0.06	0.03		0.12	0.12	0.15			0.089095	0.059864
	0.24	1.08		0.87	0.93	1.83			0.764618	5.406508
									415.644876	415.644876
									4.156448	4.156448
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
	0.000623	0.002617		0.0025	0.002285	0.004972			0.002831	0.014632
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
		0.03		0.03					0.345381	0.563491
		12.23836		12.469346					143.55594	234.212383
	-3.525073	-36.093243		-38.809172	-55.991776	-48.659608			-67.231139	-362.64249
	-104.95703	-512.69225		-439.19438	-498.53329	-857.94934			-430.69463	-2925.0912
	23.3377	121.24		84.6868	91.9558	141.3747			144.5828	635.809
	0.03	0.1		0.21	0.16	0.21			0.14	0.32
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	0.24	1.11		0.9	0.93	1.83			1.11	5.97

	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
12.011777	12.1076	12.106152	11.701186	11.842249	11.923375	12.131096	12.080488	12.067082	12.118072	12.179033
0.573424	0.556598	0.566054	0.696827	0.639183	0.616965	0.547998	0.569482	0.564676	0.554274	0.538457
0.550101	0.527077	0.54303	0.668502	0.611863	0.591673	0.521293	0.545564	0.540628	0.528605	0.511362
295980.901	290800.525	330357.669	373931.454	318136.498	349980.075	283052.641	326872.925	305008.322	306233.464	309434.774
1263.91326	1082.795	1033.20208	1170.64353	1095.22879	1302.30233	1202.5541	1401.48856	1232.4081	1013.4901	1061.92466
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
0.042021	0.053307	0.040471	0.044005	0.043888	0.042426	0.048342	0.041593	0.04401	0.045561	0.051593
104810.243	102965.097	116988.427	129033.921	109784.477	121026.089	97896.0058	112975.649	105409.998	105634.538	106788.423
167721.386	164851.532	187224.911	214313.08	182532.795	200680.492	162388.896	187504.054	174978.312	175969.84	177795.239
2.706	2.705999	2.705999	2.7635	2.7635	2.7635	2.763499	2.763499	2.763499	2.763499	2.7635
116968.231	114909.048	130559.085	144969.61	123342.86	135972.81	109986.162	126928.142	118428.132	118680.403	119976.793
15488.6	15631.79	17494.12	16114.25	14800.6	16799.67	15059.03	16814.29	15785.3	16088.02	16638.85
41.193085	40.602051	41.259716	41.10778	41.112777	41.27683	40.921277	41.211495	41.107552	41.040867	40.781495
16168	16512	18232	16856	15480	17544	15824	17544	16512	16856	17544
43	42.888311	43	43	43	43.105651	43	43	43	43	43
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
34.570444	35.004851	34.751757	34.356093	34.70833	34.913595	35.650695	35.401629	35.473405	35.556455	35.906915
33.750117	34.01235	34.007269	33.591378	33.973366	34.211739	34.780897	34.642589	34.602269	34.733454	34.908607
302051.62	297950.674	336424.241	380171.358	323700.703	355971.629	289182.599	333010.895	311615.261	312629.365	316610.664
357678.418	382634.077	462030.191	704390.49	562359.133	508872.199	409359.578	358482.62	351973.533	410265.681	412503.843
55626.798	84683.403	125605.95	324219.133	238658.431	152900.57	120176.979	25471.7247	40358.2718	97636.3154	95893.1798
357678.418	382634.077	462030.191	704390.49	562359.133	508872.199	409359.578	358482.62	351973.533	410265.681	412503.843
360.2	363.53	406.84	374.75	344.2	390.69	350.21	391.03	367.1	374.14	386.95
4.146123	13.004919			52.289599	167.643017	46.052132	2.064663	3.040665		
5.850046	12.249173			50.643431	171.183039	141.320002	2.837934	0.086429		
0.132986	0.428127			0.555893	0.955873	0.506807	0.063753	0.043311		
0.132986	0.428127			1.594456	5.396973	1.403399	0.063753	0.086623		
26.217389	19.910133	32.951991	45.196324	49.476163	29.694509	26.540732	34.57804	36.332321	19.521901	18.757785
5.767825	5.374983	9.226557	9.943191	17.316657	10.061422	11.13732	10.373412	8.748954	4.294818	3.751557
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
23.654361	22.60548	23.350306	28.745612	26.310111	25.504471	22.415625	23.459264	23.247031	22.730025	21.988578
842.484007	30863.5469	64456.0988	256773.102	181274.084	89640.2339	69006.7366	-33580.647	-14739.534	42421.1426	40074.8712
842.484007	30863.5469	64456.0988	256773.102	181274.084	89640.2339	69006.7366	-33580.647	-14739.534	42421.1426	40074.8712

8893.90701	8702.68187	9900.53	11268.28	9470.04554	10374.923	8247.5466	9571.31625	8926.77338	8910.17	8971.34
295980.901	290800.525	330357.669	373931.454	318136.498	349980.075	283052.641	326872.925	305008.322	306233.464	309434.774
-55626.798	-84683.403	-125605.95	-324219.13	-238658.43	-152900.57	-120176.98	-25471.725	-40358.272	-97636.315	-95893.18
-55632.648	-84695.652	-125605.95	-324219.13	-238709.07	-153071.75	-120318.3	-25474.563	-40358.358	-97636.315	-95893.18
2.33	3.09	3.82	2.59	3.63	3.79	4.8	3.66	2.55	1.91	2.94
81731.3655	93712.5362	126049.178	115730.947	96938.5611	101976.312	79434.1686	88283.8702	88608.9672	109630.142	109224.727
1.19	1.4	1.19	1.2	1.06	1.12	1.17	1.18	1.27	1.23	1.38
6066.5724	7137.144	6066.5724	6239.904	5511.9152	5823.9104	6083.9064	6135.9056	6603.8984	6395.9016	7175.8896
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
284689.617	279760.58	317783.996	359282.69	305875.656	336653.302	272375.058	314432.196	293406.444	294650.243	297772.032
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
6066.5724	7137.144	6066.5724	6239.904	5511.9152	5823.9104	6083.9064	6135.9056	6603.8984	6395.9016	7175.8896
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
11295.4308	11052.9497	12573.6731	14648.764	12313.132	13494.416	10723.635	12442.794	11604.918	11583.221	11662.742
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000209	0.000796		0.000833	0.000759	0.001657			0.00095	0.004905
	0.000208	0.000731		0.000833	0.000759	0.001657			0.000892	0.004901
		12.23836		12.469346					112.224116	209.055857
		0.034198		0.041171					0.272205	0.542263
	0.24	0.93		0.9	0.93	1.83			1.05	6
0.027074	0.029531	0.027429	0.019897	0.032416	0.026789	0.028396	0.020906	0.029114	0.051352	0.023235
	3.6	13.95		13.5	13.95	27.45			15.75	90
	92.394206	358.027549		353.407839	365.1881	718.595939			412.309145	2356.05226
	0.543927	0.271963		1.108386	1.108386	1.385482			0.831289	0.831289
	5.51268	21.361635		20.67255	21.361635	42.034185			24.117975	137.816999
1097.46	1117.98	1237.11	1152.6	1044.99	1191.21	1072.65	1198.41	1118.46	1115.61	1195.56
2.918776	2.903844	2.917712	2.940306	2.90275	2.926805	2.914809	2.937279	2.912656	2.845943	2.930294
1128	1152	1272	1176	1080	1224	1104	1224	1152	1176	1224
3	2.992207	3	3	3	3.007371	3	3	3	3	3
	0.24	0.93		0.9	0.93	1.83			1.05	6

		8.158907	4.079453	16.625795	16.625795	20.782243			12.469346	12.469346
		8.158907	4.079453	16.625795	16.625795	20.782243			12.469346	12.469346
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		101.43196	410.542508	412.889561	442.541512	809.289733			501.513239	2856.81388
		3.525073	31.153324	38.809172	55.991776	48.659608			65.086119	362.944617
		101.43196	410.542508	412.889561	442.541512	809.289733			501.513239	2856.81388
		0.08	0.31	0.3	0.31	0.61			0.35	2
		97.906886	367.150823	361.611042	386.549735	760.630124			324.203003	2284.8134
		101.43196	398.228924	400.385207	442.541512	809.289733			371.562767	2604.11566
		0.06	0.03	0.12	0.12	0.15			0.09	0.059868
		0.24	0.9	0.87	0.93	1.83			0.78	5.497032
									455.455175	415.900302
									4.554551	8.318006
		0.24	0.93	0.9	0.93	1.83			1.05	6
		0.000623	0.002193	0.0025	0.002285	0.004972			0.002678	0.014705
		3.525073	31.153324	38.809172	55.991776	48.659608			65.086119	362.944617
		3.525073	31.153324	38.809172	55.991776	48.659608			65.086119	362.944617
			0.03	0.03					0.27	0.502967
			12.23836	12.469346					112.224116	209.055857
				0.01		0.02			0.02	0.03
		-3.525073	-31.153324	-38.809172	-55.991776	-48.659608			-65.086119	-362.94462
		-104.95703	-429.38225	-439.19438	-498.53329	-857.94934			-436.64889	-2967.0603
									0.02	0.01
		23.3377	100.0923	84.6868	91.9558	141.3747			136.7316	638.6609
		0.03	0.09	0.21	0.16	0.21			0.13	0.33
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		0.24	0.93	0.9	0.93	1.83			1.05	6
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
2.112081	1.554301	1.550449	5.913376	6.377324	5.520638	2.836373	3.527553	3.11175	3.982709	2.405344
0.012712	0.015294	0.01747	0.024066	0.045564	0.043039	0.032409	0.021652	0.026379	0.030589	0.025736
0.012404	0.014562	0.017429	0.023698	0.043338	0.041916	0.031489	0.020906	0.025385	0.030367	0.025529
28.719272	2315.58354	9202.03142	12651.7545	12925.5943	9891.22254	628.353795	1231.12847	7566.35901	41771.3014	36071.4918

0.104598	7.916472	27.52174	37.596476	42.235807	34.7518	2.487886	4.936848	24.729725	115.477173	106.044212
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
0.022406	0.031197	0.033089	0.03079	0.037138	0.025833	0.031616	0.025441	0.038606	0.018443	0.032867
3324.8	4003.2	5314.3	6552.5	11155.7	12232.7	8343.8	6090.1	6983.8	8538	7495.2
31174.6874	45280.8923	76645.7169	48697.5662	91142.3369	82381.5672	98046.7105	39175.1436	55198.4227	87096.7396	105630.941
1.286111	0.818232	0.837105	2.384748	2.987726	1.926617	1.858447	1.54853	1.379032	2.201299	1.524749
4.660716	353.997594	731.394162	2052.40187	1942.87198	3082.94143	45.170335	190.038712	870.183112	4227.35119	2756.29729
18404.4	18641.5	20539	18961.4	17307.5	19869.7	17764.1	19871.4	18436.4	19291.9	19820.7
48.947872	48.41948	48.441037	48.370918	48.076388	48.819901	48.27201	48.704411	48.011458	49.21403	48.580147
18800	19200	21200	19600	18000	20400	18400	20400	19200	19600	20400
50	49.870129	50	50	50	50.12285	50	50	50	50	50
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
24.851146	18.993117	20.786417	46.978172	79.520416	51.006272	44.958365	32.029054	33.693625	61.61723	40.58166
18.24073	11.63473	11.889649	33.923088	42.674226	27.492856	26.464262	21.98957	19.578925	31.380426	21.697581
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
37372.4258	58903.9863	101654.567	55970.33	117927.138	109962.795	141902.465	49905.4484	71654.9679	120746.023	153331.166
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
37372.4258	58903.9863	101654.567	55970.33	117927.138	109962.795	141902.465	49905.4484	71654.9679	120746.023	153331.166
187.1	156.6	176.89	297.75	328.24	348.75	239.83	249.99	220.53	325.87	239.33
31249.6502	43031.8568	67518.2845	36247.0647	78547.7656	72725.3916	97598.6747	38085.5522	47798.5897	45427.3542	69672.6689
37341.8808	55997.6037	88848.354	41311.6733	101760.001	96874.8797	141128.105	48318.2413	61047.6109	58475.0649	99807.6576
3.16935	2.145648	2.001868	6.433558	7.550266	7.379311	4.540836	5.374526	4.593749	4.312021	2.650202
232.867091	254.482693	317.629184	318.576853	642.122491	637.063991	576.216404	413.015935	426.277903	297.122942	326.932179
76.13198	128.589641	117.51615	99.683668	117.715978	90.641309	194.56814	74.643008	104.664386	128.433933	144.301608
1.522639	10.287171	10.576453	28.69268	40.023432	24.473153	9.728407	5.22501	15.699658	35.961501	23.088257
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
0.620212	0.726233	0.871462	1.184948	2.166944	2.100982	1.574456	1.045343	1.26927	1.518367	1.27647
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
0.332908	25.117306	51.870815	145.923146	137.977508	218.036008	3.183595	13.484064	61.122096	298.077057	193.86782
28.719272	2315.58354	9202.03142	12651.7545	12925.5943	9891.22254	628.353795	1231.12847	7566.35901	41771.3014	36071.4918
3.33	4.19	4.97	4.38	9.92	9.39	8.98	6.03	6.94	6.81	4.77
-6094.0564	-13556.546	-24934.251	-7071.5108	-26453.778	-27346.181	-43675.437	-10588.768	-16290.019	-33547.367	-47587.005
-43435.937	-69554.15	-113782.6	-48383.184	-128213.78	-124221.06	-184803.54	-58907.009	-77337.63	-92022.432	-147394.66
	0.12	0.31	0.8	0.42	0.21	0.02	0.06	0.56	2.04	1.24

1718.2054	2560.0795	4088.0265	4174.1695	7443.3664	7754.7846	4734.4047	3300.9246	4387.1826	6960.5309	5721.5845
0.1	0.04	0.01	0.26	0.25	0.14	0.1	0.12	0.1		0.02
74.482	23.332	5.833	176.668	214.654	105.268	64.992	82.384	86.96		11.9
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
31174.6874	45280.8923	76645.7169	48697.5662	91142.3369	82381.5672	98046.7105	39175.1436	55198.4227	87096.7396	105630.941
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
74.482	23.332	5.833	176.668	214.654	105.268	64.992	82.384	86.96		11.9
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
29.2	43.216	68.765999	24.585	116.369	129.779	115.326	59.153	79.566	101.916	101.32
	0.03	0.05	0.57	0.42	1.23		0.21	0.16	0.03	
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000211	0.000872		0.000815	0.000773	0.001603			0.000939	0.004803
	0.000208	0.000872		0.000805	0.000735	0.001603			0.000841	0.004803
		16.336174		16.662935					149.884385	225.682167
		0.045649		0.055018					0.376458	0.578063
	0.32	1.48		1.16	1.2	2.36			1.32	7.84
0.024521	0.03026	0.038962	0.031224	0.026333	0.019166	0.021793	0.024068	0.031588	0.040969	0.045563
	4.8	22.2		17.4	18	35.4			19.8	117.6
	123.192275	569.764272		455.503437	471.210452	926.713889			518.331497	3078.57495
	0.544539	0.272269		1.110862	1.110862	1.388577			0.833146	0.833146
	7.49712	34.67418		27.72168	28.6776	56.39928			31.54536	187.36032
1467.12	1489.52	1629.92	1519.04	1402.08	1600.72	1439.92	1592.72	1487.48	1503.76	1557.64
3.901914	3.868883	3.84415	3.875102	3.894666	3.932972	3.912826	3.903725	3.873645	3.836122	3.817745
1504	1536	1696	1568	1440	1632	1472	1632	1536	1568	1632
4	3.98961	4	4	4	4.009828	4	4	4	4	4
	0.32	1.48		1.16	1.2	2.36			1.32	7.84
	8.168087	4.084043		16.662935	16.662935	20.828668			12.497201	12.497201
	8.168087	4.084043		16.662935	16.662935	20.828668			12.497201	12.497201
	130.689395	604.438452		483.225117	499.888052	983.113169			549.876857	3265.93527
	135.242613	651.883456		533.872012	572.96532	1045.784			629.992744	3742.52391
	4.553218	47.445004		50.646895	73.077268	62.670833			80.115887	476.588635
	135.242613	651.883456		533.872012	572.96532	1045.784			629.992744	3742.52391
	0.08	0.37		0.29	0.3	0.59			0.33	1.96

130.689395	588.102277	466.562181	499.888052	983.113169					399.992472	3040.25311
135.242613	635.465344	517.19954	572.96532	1045.784					457.127427	3463.57266
0.08	0.04	0.16	0.16	0.2					0.114313	0.091866
0.32	1.44	1.12	1.2	2.36					0.960196	7.298241
	410.716166	417.073245							465.535252	448.383794
	4.107161	4.170732							13.966057	13.451513
0.32	1.48	1.16	1.2	2.36					1.32	7.84
0.000831	0.00349	0.003222	0.002948	0.006413					0.003367	0.019215
4.553218	47.445004	50.646895	73.077268	62.670833					80.115887	476.588635
4.553218	47.445004	50.646895	73.077268	62.670833					80.115887	476.588635
	0.04	0.04							0.359803	0.541758
	16.336174	16.662935							149.884385	225.682167
0.08	0.36	0.24	0.23	0.57					0.25	1.85
-4.553218	-47.445004	-50.646895	-73.077268	-62.670833					-80.115887	-476.58864
-139.79583	-682.91035	-567.84644	-646.04259	-1108.4548					-537.24331	-3940.1613
	0.01	0.01							0.08	0.11
23.3377	121.24	82.0314	88.7478	136.904					127.3581	625.388
0.03	0.1	0.21	0.15	0.21					0.12	0.32
130.689395	604.438452	483.225117	499.888052	983.113169					549.876857	3265.93527
130.689395	604.438452	483.225117	499.888052	983.113169					549.876857	3265.93527
130.689395	604.438452	483.225117	499.888052	983.113169					549.876857	3265.93527
0.32	1.48	1.16	1.2	2.36					1.32	7.84
130.689395	604.438452	483.225117	499.888052	983.113169					549.876857	3265.93527

10.843981	10.895418	10.897735	10.571165	10.686088	10.729306	10.876054	10.831072	10.852693	10.853642	10.918136
0.364662	0.375147	0.374732	0.518014	0.455462	0.429924	0.375906	0.388544	0.372937	0.380972	0.348206
0.343834	0.356934	0.356617	0.491703	0.431036	0.404555	0.357287	0.362039	0.350672	0.362826	0.3243
287448.688	308680.554	340523.736	435098.076	352884.886	374483.864	290756.189	330437.802	307981.253	329722.685	308477.073
1224.63032	1147.32616	1066.2697	1360.55268	1214.07145	1391.80022	1230.30749	1412.02977	1234.28075	1085.63653	1055.56668
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
0.059042	0.05263	0.054174	0.052321	0.061888	0.053823	0.057173	0.061789	0.06052	0.047423	0.06946
79905.8788	84516.4289	93177.0395	116045.403	94223.908	100824.043	81016.1922	90925.6161	83102.9157	87680.3707	82109.8988
128492.349	135986.538	149861.365	194540.106	158367.194	168344.349	135746.306	152221.403	139069.396	147962.17	138298.065
3.574699	3.574699	3.5747	3.6495	3.649499	3.6495	3.649499	3.649499	3.649499	3.649499	3.649499
158589.198	167739.756	184928.47	233193.236	189342.943	202605.914	162802.038	182715.026	166995.309	176193.705	164999.842

20732.68	21318.094	23500.358	21769.314	19790.392	22621.944	20331.856	22431.494	21140.536	21881.826	22248.076
55.140106	55.371672	55.425372	55.533964	54.973311	55.582171	55.249608	54.979151	55.053479	55.820984	54.529598
22033.6	22502.4	24846.4	22971.2	21096	23908.8	21564.8	23908.8	22502.4	22971.2	23908.8
58.599999	58.447792	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
46.098181	45.596042	46.833466	43.766153	45.743821	44.549906	46.957196	46.164376	47.569788	45.654547	47.504701
39.398006	39.582674	39.590738	39.214019	39.629335	39.799356	40.331672	40.167713	40.247617	40.240503	40.481584
327394.062	339015.391	380794.633	470217.332	388954.795	410695.672	335088.092	378483.282	347919.426	360173.849	346947.99
370725.233	440760.018	521661.143	823378.383	656675.526	551167.227	498730.386	387534.837	379014.905	485789.363	445346.021
43331.1711	101744.627	140866.511	353161.052	267720.732	140471.555	163642.294	9051.555	31095.4785	125615.515	98398.031
370725.233	440760.018	521661.143	823378.383	656675.526	551167.227	498730.386	387534.837	379014.905	485789.363	445346.021
353.8	363.79	401.03	371.49	337.72	386.04	346.96	382.79	360.76	373.41	379.66
4557.20759	266.460599	25.532267	202.93202	917.664036	2946.93204	12954.3962	10298.1034	3370.40197	17.341505	15.77673
9512.02699	552.437031	85.008158	280.638671	1406.11889	5070.28897	38873.0476	18366.2578	6370.80375	23.278012	27.797758
7.387644	1.971419	0.431066	1.276936	4.298299	7.038322	7.266772	6.743248	4.883815	0.288918	0.2445
123.08188	7.121758	0.643458	5.491305	24.030844	78.103371	339.781068	270.082273	88.352084	0.425634	0.387926
26.279607	26.821371	28.765189	48.744964	42.701403	28.370552	23.413191	22.76454	24.507807	27.481681	23.430206
23.561226	24.625043	24.162759	41.901972	35.778992	26.030046	20.046358	19.975585	20.751053	23.909062	18.742538
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
20.148728	20.86202	20.897797	28.813836	25.258761	23.765203	20.937054	21.215529	20.549401	21.261617	19.004034
1564.36827	57567.8894	92162.8722	292504.12	218469.895	87770.8281	121295.13	-38475.265	-12342.416	79784.9849	55479.1869
1564.36827	57567.8894	92162.8722	292504.12	218469.895	87770.8281	121295.13	-38475.265	-12342.416	79784.9849	55479.1869
7452.84012	8024.75624	8860.02254	11289.5327	9069.12316	9594.33463	7365.05493	8385.85373	7802.61792	8334.12837	7753.25807
287448.688	308680.554	340523.736	435098.076	352884.886	374483.864	290756.189	330437.802	307981.253	329722.685	308477.073
0.3	0.06	0.02	0.01	0.2	0.1	0.71	0.47	0.14	0.01	0.01
-43331.171	-101744.63	-140866.51	-353161.05	-267720.73	-140471.56	-163642.29	-9051.555	-31095.478	-125615.51	-98398.031
-52843.198	-102297.06	-140951.52	-353441.69	-269126.85	-145541.84	-202515.34	-27417.813	-37466.282	-125638.79	-98425.829
16.63	24.05	19.48	18.5	18.38	20.35	20.06	20.66	20.43	21.23	21.13
74483.503	88654.7122	115505.947	107094.726	88921.3026	94031.7307	73802.6933	80920.2638	81817.1691	103357.843	100417.932
1.53	1.3	1.74	1.48	1.49	1.41	1.33	1.6	1.55	1.29	1.63
35388.1656	30068.376	40245.3648	34916.3234	35152.2445	33264.8757	31377.5068	37747.3766	36567.7711	30433.8224	38455.14
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
287081.547	303726.294	334789.835	427733.342	347710.137	370950.263	298548.345	334936.429	306064.705	324155.875	303297.907

7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
35388.1656	30068.376	40245.3648	34916.3234	35152.2445	33264.8757	31377.5068	37747.3766	36567.7711	30433.8224	38455.14
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
4924.3493	5220.7207	5759.4329	7567.66608	6092.41318	6480.53346	5162.24012	5799.47712	5286.9499	5584.15118	5194.94282
0.24	0.04	0.01	0.05	0.22	0.2	0.81	0.48	0.29		0.01
1.65	1.35	1.65	4.35	5.55	5.25	2.7	2.4	2.55	3.9	1.95
0.011098	0.012528	0.01599	0.016184	0.039014	0.038326	0.030167	0.018087	0.024306	0.02751	0.02345
0.01101	0.012369	0.015801	0.015892	0.037527	0.036764	0.028559	0.01772	0.023958	0.02727	0.023161
	337.244973	1054.72687	1533.80225	1848.64567	1485.41788	100.20516	257.107128	1651.2698	7639.7852	7094.01342
	1.134436	3.233606	4.607707	6.098067	5.247142	0.413348	1.033561	5.11436	20.537853	20.48617
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
0.034787	0.027421	0.029481	0.022857	0.028861	0.029754	0.031195	0.034338	0.030312	0.022117	0.031642
869.4	997.5	1407	1308.3	2837.1	3150	2207.1	1518.3	1932	2244.9	1984.5
8047.68215	11924.4192	20786.0906	9362.74019	23814.1944	21272.4389	25579.7818	9691.68967	15295.4031	22920.3715	28519.718
0.985227	0.703347	0.835791	1.640404	2.660378	1.731369	1.66988	0.905779	1.121844	2.094234	1.242433
	66.096636	82.264327	279.06269	303.714847	638.421971	7.852523	35.2598	177.483006	756.595299	523.415054
5080.88	5228.58	5761	5362.56	4894.54	5542.04	4991.28	5515.86	5213.04	5366.62	5531.26
13.512978	13.580727	13.587264	13.68	13.595944	13.616805	13.56326	13.519264	13.575625	13.690357	13.557009
5264	5376	5936	5488	5040	5712	5152	5712	5376	5488	5712
14	13.963636	14	14	14	14.034398	14	14	14	14	14
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
14.864344	10.574404	12.818125	25.260244	40.098527	26.407622	25.170153	13.705426	16.863356	31.413523	18.642965
14.864344	10.574404	12.818125	25.260244	40.098527	26.407622	25.170153	13.705426	16.863356	31.413523	18.642965
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
9526.37078	15380.0918	27005.8657	10827.7788	30367.6477	28088.2025	36956.388	12267.9834	19515.2876	31586.8964	40910.9557
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
9526.37078	15380.0918	27005.8657	10827.7788	30367.6477	28088.2025	36956.388	12267.9834	19515.2876	31586.8964	40910.9557
99.74	68.44	104.79	154.77	179.51	181.6	129.95	126.24	120.85	163.82	140.98
8079.18215	11597.6742	19752.3637	7975.93794	22018.0487	19871.021	25542.5766	9487.08254	13686.1333	15280.5863	21436.2045
9526.37078	14978.4817	25627.8207	9063.96444	28160.5257	26200.5641	36785.4112	11973.3118	17259.0811	19995.5084	30526.6038
1.54	1.119611	1.33157	3.287324	4.131556	4.242876	2.518182	2.231577	2.364039	2.950852	1.724536
57.96	62.093557	88.315711	68.61582	168.892343	167.438535	146.616498	98.869346	116.967799	99.220313	97.405663
	171.12787	135.949504	120.033874	148.930782	74.609473	220.295016	91.999545	137.35943	122.985072	164.306734
	6.845114	9.333888	16.804742	26.80754	10.388905	4.4059	2.759986	8.241565	30.746268	18.07374

57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
0.154148	0.172727	0.221226	0.2225	0.525388	0.51597	0.399836	0.248088	0.335416	0.381785	0.324264
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
	4.406442	5.484288	18.604179	20.247656	42.561464	0.523501	2.350653	11.8322	50.439686	34.894336
	337.244973	1054.72687	1533.80225	1848.64567	1485.41788	100.20516	257.107128	1651.2698	7639.7852	7094.01342
2.13	1.62	1.93	3.59	4.77	4.19	2.98	3.22	3.56	2.78	2.1
-1447.1886	-3445.1726	-6198.7751	-1318.0386	-6500.9534	-6731.7637	-11313.606	-2523.7937	-4177.8845	-8666.5249	-12380.738
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	0.06	0.12	0.52	0.29	0.1		0.09	0.24	1.05	0.57
975.3474	1320.7985	2143.651	2018.4483	3958.8117	4167.4731	2453.2574	1756.0709	2485.6018	3728.5646	2980.4022
0.03	0.01	0.02	0.14	0.05	0.08	0.06	0.05	0.04		0.01
31.5	10.5	21	147	52.5	84	63	52.5	42		10.5
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
8047.68215	11924.4192	20786.0906	9362.74019	23814.1944	21272.4389	25579.7818	9691.68967	15295.4031	22920.3715	28519.718
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
31.5	10.5	21	147	52.5	84	63	52.5	42		10.5
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
	0.02	0.02	0.18	0.34	0.81	0.01	0.04	0.05	0.02	
11.378065	11.421864	11.425592	11.102046	11.236488	11.291149	11.429978	11.369009	11.396187	11.404928	11.462207
0.289729	0.287913	0.292046	0.377904	0.34851	0.331144	0.293934	0.302326	0.294946	0.298894	0.283941
0.279664	0.276676	0.282143	0.364913	0.333928	0.31878	0.281318	0.2905	0.283528	0.288834	0.272544
1285801.5	1406987.67	1705147.92	2002147.32	1615256.73	1657957.68	1217091.33	1416321.1	1436598.27	1729946.37	1686201.78
5465.6887	5221.99527	5321.27587	6244.81122	5526.3126	6131.63304	5144.14489	6046.09921	5731.92699	5636.67045	5720.5973
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
0.032011	0.035378	0.034322	0.03121	0.036469	0.031532	0.034829	0.031564	0.035369	0.034626	0.038816
431188.083	435667.099	490765.585	570220.559	485444.733	528393.37	425338.52	484255.669	446532.701	464188.985	458648.175
794505.466	811737.47	966696.755	1173292.71	1063073.64	1073643.81	945786.837	911531.357	881008.096	998437.661	1032586.99
3.437335	3.437739	3.463447	3.601781	3.644548	3.541167	3.625443	3.497217	3.520259	3.598838	3.604118
735970.142	748522.648	839793.559	967988.735	807781.848	883653.404	718673.269	827454.488	757399.137	785206.036	780722.888
494.358261	1912.66783	5243.00132	13013.3712	9166.35148	9531.38832	860.987763	1432.39326	4845.85574	15867.3271	10858.6507
133219.465	135278.979	150178.683	138796.149	126739.837	144242.494	129552.721	144111.384	135448.536	138925.291	143711.016
354.307087	351.373971	354.195007	354.071808	352.055102	354.404162	352.045437	353.214176	352.730562	354.401252	352.232882

138029.6	140966.4	155650.4	143903.2	132156	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.099999	366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
184.6954	201.597876	192.742532	233.48669	349.227707	295.994705	303.090167	197.397163	199.741222	299.945923	255.967427
40.669833	40.797732	41.104546	41.64144	42.57047	41.644957	42.974904	41.408911	41.733189	42.615545	42.873361
1646290.08	1672936.26	1935644.07	2292615.07	2006065.79	2095470.07	1783176.23	1873442.99	1764979.97	1906805.79	1943296.55
1772995.72	1998763.14	2467951.33	3659527.86	3083545.44	2715665.71	2400000.03	1850349.77	1833930.53	2369086.94	2406672.13
126705.645	325826.877	532307.253	1366912.79	1077479.64	620195.637	616823.802	-23093.228	68950.5509	462281.157	463375.582
1772995.72	1998763.14	2467951.33	3659527.86	3083545.44	2715665.71	2400000.03	1850349.77	1833930.53	2369086.94	2406672.13
1491.94	1439.58	1639.42	1807.3	1747.33	1908.95	1570.65	1708.8	1599.01	1836.02	1700.53
311612.082	218641.232	175113.173	240163.466	341102.006	389170.405	517372.432	402618.461	275325.935	130986.791	201369.336
508761.747	371854.507	272956.274	355184.442	552365.702	616744.376	1023824.01	601956.403	411678.773	180251.05	317610.508
8.450466	3.532755	1.748675	7.973512	6.287753	7.048429	6.260627	10.058253	7.829064	2.636789	2.048361
5719.62806	3311.2322	1516.10244	3158.49832	4548.08058	6251.39787	7705.77747	8011.29875	4640.59319	1309.51196	1586.20129
27.916129	29.466358	32.555326	49.383627	47.126752	36.080555	27.658347	26.603108	29.93299	40.952075	34.579693
27.559434	29.425451	32.520053	49.302353	47.053634	36.006494	26.86782	26.067749	29.207841	40.947422	34.576868
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
102.664675	101.303984	103.574962	133.959857	122.585127	117.31198	103.271989	106.642745	104.083359	106.031117	100.051
-91895.236	104354.988	283564.128	1084380.86	841284.45	361587.39	406702.774	-265246.44	-153158.43	232944.466	235269.106
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32882.2899	35690.8018	42399.6816	49353.7657	39582.5654	41494.5781	30298.3145	35498.9412	35327.4168	40254.686	39234.6067
1285801.5	1406987.67	1705147.92	2002147.32	1615256.73	1657957.68	1217091.33	1416321.1	1436598.27	1729946.37	1686201.78
41.88	38.04	22.29	53.56	52.98	51.02	50.51	51.63	35.63	24.72	24.98
-126705.64	-325826.88	-532307.25	-1366912.8	-1077479.6	-620195.64	-616823.8	23093.2282	-68950.551	-462281.16	-463375.58
-635467.39	-697681.38	-805263.53	-1722097.2	-1629845.3	-1236940	-1640647.8	-578863.17	-480629.32	-642532.21	-780986.09
292.57	323.38	389.2	317.4	284.95	315.13	272.62	301.38	311.99	359.99	374.84
246656.266	285899.329	381540.947	360201.323	306157.329	320724.587	246839.295	269383.159	273351.574	345136.637	340164.384
3.81	3.9	4.25	4.43	4.8	4.46	4.66	4.21	4.05	3.88	5.06
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03
1530475.61	1560260.12	1806490.31	2141281.44	1870855.49	1957297.22	1664460.11	1738985.84	1638407.23	1783643.7	1813309.88
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156

1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03
66703.6607	65285.8869	73679.7837	100443.89	84965.9647	89432.4312	69692.8039	79682.4832	73306.202	77229.4724	74189.757
41.32	22.41	12.21	21.02	21.71	41.78	44.73	54.58	35.98	7.18	7.72

2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
369467.281	576750.066	1049881.93	996955.594	724916.955	563432.401	273668.052	310377.853	481993.438	915628.273	871121.693
1531.33221	2104.33813	3206.7105	3069.63667	2421.14922	2042.49753	1131.05269	1300.99866	1807.27901	2897.05941	2868.13454
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
369467.281	576750.066	1049881.93	996955.594	724916.955	563432.401	273668.052	310377.853	481993.438	915628.273	871121.693
291.94	322.91	388.86	316.06	284.54	314.26	271.3	300.72	311.47	359.65	374.92
166.490652	195.88384	250.471589	224.397628	223.289779	186.275002	153.068295	163.564736	219.262296	273.598081	261.703148
68.963174	92.264987	133.055768	103.893848	103.13115	84.537318	61.095654	66.695612	83.49179	136.368461	131.631043
21078.4727	32492.3135	54382.6201	36298.7854	32075.1887	29423.4661	17882.0482	21283.8207	28090.1303	51511.5565	51965.0585
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
-235.83627	-268.87069	-320.94745	-320.04946	-292.59465	-270.53971	-236.62593	-234.26791	-251.17197	-304.19773	-293.88173
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
-30.281535	-31.983977	-33.378859	-50.081937	-45.488163	-37.308026	-34.933623	-27.619567	-29.494024	-32.922729	-31.794516
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
3053766.24	3893924.27	5589981.54	7275780.73	5516158.68	4672865.4	3299591.46	2950454.04	3327350.72	4873183.49	4705845.42
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73

2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
369467.281	576750.066	1049881.93	996955.594	724916.955	563432.401	273668.052	310377.853	481993.438	915628.273	871121.693
1531.33221	2104.33813	3206.7105	3069.63667	2421.14922	2042.49753	1131.05269	1300.99866	1807.27901	2897.05941	2868.13454
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
369467.281	576750.066	1049881.93	996955.594	724916.955	563432.401	273668.052	310377.853	481993.438	915628.273	871121.693
291.94	322.91	388.86	316.06	284.54	314.26	271.3	300.72	311.47	359.65	374.92
166.490652	195.88384	250.471589	224.397628	223.289779	186.275002	153.068295	163.564736	219.262296	273.598081	261.703148

68.963174	92.264987	133.055768	103.893848	103.13115	84.537318	61.095654	66.695612	83.49179	136.368461	131.631043
21078.4727	32492.3135	54382.6201	36298.7854	32075.1887	29423.4661	17882.0482	21283.8207	28090.1303	51511.5565	51965.0585
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
-235.83627	-268.87069	-320.94745	-320.04946	-292.59465	-270.53971	-236.62593	-234.26791	-251.17197	-304.19773	-293.88173
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
-30.281535	-31.983977	-33.378859	-50.081937	-45.488163	-37.308026	-34.933623	-27.619567	-29.494024	-32.922729	-31.794516
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
3053766.24	3893924.27	5589981.54	7275780.73	5516158.68	4672865.4	3299591.46	2950454.04	3327350.72	4873183.49	4705845.42
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73

4462.7346	4379.36392	4738.59698	4963.96647	4056.32497	4261.69307	4196.2384	4539.45869	3842.5594	3079.16912	3424.54208
134172.893	138913.32	153811.483	246507.974	186737.316	155339.581	150869.641	126328.438	108346.3	91140.8802	103084.193

25.652755	16.906583	11.667755	35.719575	147.024065	16.305445	38.131054	22.843548	23.367998	6.318045	13.943265
1.539165	0.507197	0.350032	0.357195	4.410721	0.326108	1.143931	1.599048	0.934719	0.12636	0.697163
4462.7346	4379.36392	4738.59698	4963.96647	4056.32497	4261.69307	4196.2384	4539.45869	3842.5594	3079.16912	3424.54208
11.868975	11.374971	11.175936	12.663179	11.267569	10.47099	11.402821	11.126124	10.006665	7.855023	8.393485
134172.893	138913.32	153811.483	246507.974	186737.316	155339.581	150869.641	126328.438	108346.3	91140.8802	103084.193
134172.893	138913.32	153811.483	246507.974	186737.316	155339.581	150869.641	126328.438	108346.3	91140.8802	103084.193
4462.7346	4379.36392	4738.59698	4963.96647	4056.32497	4261.69307	4196.2384	4539.45869	3842.5594	3079.16912	3424.54208

-134172.89	-138913.32	-153811.48	-246507.97	-186737.32	-155339.58	-150869.64	-126328.44	-108346.3	-91140.88	-103084.19
-134172.89	-138913.32	-153811.48	-246507.97	-186737.32	-155339.58	-150869.64	-126328.44	-108346.3	-91140.88	-103084.19

0.23	0.17	0.3	0.02	0.36	0.07	0.14	0.4	0.4	0.11	0.46
88674.4392	103515.216	132254.844	125459.387	103230.807	107371.343	85648.7389	93571.5901	93878.4194	119245.512	114794.263
4462.7346	4379.36392	4738.59698	4963.96647	4056.32497	4261.69307	4196.2384	4539.45869	3842.5594	3079.16912	3424.54208
4462.7346	4379.36392	4738.59698	4963.96647	4056.32497	4261.69307	4196.2384	4539.45869	3842.5594	3079.16912	3424.54208
134172.893	138913.32	153811.483	246507.974	186737.316	155339.581	150869.641	126328.438	108346.3	91140.8802	103084.193
134172.893	138913.32	153811.483	246507.974	186737.316	155339.581	150869.641	126328.438	108346.3	91140.8802	103084.193

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
18.754536	19.270494	19.652566	20.674272	20.478452	21.012298	23.082453	21.06788	17.16676	13.611842	13.271052
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
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-212562.45	-233745.61	-275672.56	-402036.15	-333783.34	-315363.12	-296208.77	-236451.23	-188285.25	-168315.86	-166503.48
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
21.090202	21.654018	22.088868	23.232189	23.007282	23.611622	25.907432	23.664485	19.321735	15.273504	14.899155
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
-239000.42	-262585.25	-309796.92	-451761.79	-375021.03	-354376.33	-332411.05	-265585.11	-211760.05	-188945.08	-187023.98
-239000.42	-262585.25	-309796.92	-451761.79	-375021.03	-354376.33	-332411.05	-265585.11	-211760.05	-188945.08	-187023.98
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
4357.3707	4244.23673	4646.14919	4916.4364	3950.7147	4145.12904	4143.32332	4434.45956	3931.80791	3074.03596	3517.75599
131438.755	134875.327	150941.445	244475.563	181447.048	150719.706	148714.99	123478.322	111027.448	91395.1709	106047.328
4357.3707	4244.23673	4646.14919	4916.4364	3950.7147	4145.12904	4143.32332	4434.45956	3931.80791	3074.03596	3517.75599
11.588751	11.023991	10.957899	12.541929	10.974207	10.184592	11.25903	10.868773	10.239083	7.841928	8.62195
131438.755	134875.327	150941.445	244475.563	181447.048	150719.706	148714.99	123478.322	111027.448	91395.1709	106047.328
131438.755	134875.327	150941.445	244475.563	181447.048	150719.706	148714.99	123478.322	111027.448	91395.1709	106047.328
4357.3707	4244.23673	4646.14919	4916.4364	3950.7147	4145.12904	4143.32332	4434.45956	3931.80791	3074.03596	3517.75599
-131438.75	-134875.33	-150941.44	-244475.56	-181447.05	-150719.71	-148714.99	-123478.32	-111027.45	-91395.171	-106047.33

-131438.75	-134875.33	-150941.44	-244475.56	-181447.05	-150719.71	-148714.99	-123478.32	-111027.45	-91395.171	-106047.33
88674.4392	103515.216	132161.207	125459.387	105334.075	107190.117	85554.0983	93446.2806	93886.885	113726.351	115171.809
4357.3707	4244.23673	4646.14919	4916.4364	3950.7147	4145.12904	4143.32332	4434.45956	3931.80791	3074.03596	3517.75599
4357.3707	4244.23673	4646.14919	4916.4364	3950.7147	4145.12904	4143.32332	4434.45956	3931.80791	3074.03596	3517.75599
131438.755	134875.327	150941.445	244475.563	181447.048	150719.706	148714.99	123478.322	111027.448	91395.1709	106047.328
131438.755	134875.327	150941.445	244475.563	181447.048	150719.706	148714.99	123478.322	111027.448	91395.1709	106047.328
4280.95955	4262.80473	4371.47156	4669.37762	3819.78835	4241.09689	3988.93729	4362.28499	3614.98348	2870.24299	3068.31828
128410.418	134978.06	141931.688	232606.934	174881.23	153976.623	143196.048	122171.621	102472.708	85747.9345	93811.482
							32.808066			
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4280.95955	4262.80473	4371.47156	4669.37762	3819.78835	4241.09689	3988.93729	4362.28499	3614.98348	2870.24299	3068.31828
11.38553	11.07222	10.310074	11.911677	10.610523	10.420385	10.839503	10.691874	9.414019	7.322048	7.520387
128410.418	134978.06	141931.688	232606.934	174881.23	153976.623	143196.048	122171.621	102472.708	85747.9345	93811.482
128410.418	134978.06	141931.688	232606.934	174881.23	153976.623	143196.048	122171.621	102472.708	85747.9345	93811.482
4280.95955	4262.80473	4371.47156	4669.37762	3819.78835	4241.09689	3988.93729	4362.28499	3614.98348	2870.24299	3068.31828
-128410.42	-134978.06	-141931.69	-232606.93	-174881.23	-153976.62	-143196.05	-122171.62	-102472.71	-85747.934	-93811.482
-128410.42	-134978.06	-141931.69	-232606.93	-174881.23	-153976.62	-143196.05	-122171.62	-102472.71	-85747.934	-93811.482
							0.01			
88674.4392	103515.216	136081.719	125459.387	105334.075	107188.106	85273.4886	95581.3077	96450.0365	111471.124	110305.253
4280.95955	4262.80473	4371.47156	4669.37762	3819.78835	4241.09689	3988.93729	4362.28499	3614.98348	2870.24299	3068.31828
4280.95955	4262.80473	4371.47156	4669.37762	3819.78835	4241.09689	3988.93729	4362.28499	3614.98348	2870.24299	3068.31828
128410.418	134978.06	141931.688	232606.934	174881.23	153976.623	143196.048	122171.621	102472.708	85747.9345	93811.482
128410.418	134978.06	141931.688	232606.934	174881.23	153976.623	143196.048	122171.621	102472.708	85747.9345	93811.482
2436.97526	2798.0301	3789.32467	3641.94062	3426.26364	4015.60487	4076.12049	3409.85834	3925.58088	4008.00174	3988.70273
72129.214	83999.7409	123127.725	178105.652	152282.246	147044.662	140192.252	93900.7221	110154.419	125016.139	118214.957
2436.97526	2798.0301	3789.32467	3641.94062	3426.26364	4015.60487	4076.12049	3409.85834	3925.58088	4008.00174	3988.70273
6.481317	7.26761	8.937086	9.290664	9.517398	9.866351	11.076414	8.357495	10.222866	10.224494	9.776232

72129.214	83999.7409	123127.725	178105.652	152282.246	147044.662	140192.252	93900.7221	110154.419	125016.139	118214.957
72129.214	83999.7409	123127.725	178105.652	152282.246	147044.662	140192.252	93900.7221	110154.419	125016.139	118214.957
2436.97526	2798.0301	3789.32467	3641.94062	3426.26364	4015.60487	4076.12049	3409.85834	3925.58088	4008.00174	3988.70273
-72129.214	-83999.741	-123127.72	-178105.65	-152282.25	-147044.66	-140192.25	-93900.722	-110154.42	-125016.14	-118214.96
-72129.214	-83999.741	-123127.72	-178105.65	-152282.25	-147044.66	-140192.25	-93900.722	-110154.42	-125016.14	-118214.96
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	86011.2457	95581.3077	96450.0365	119245.512	119903.744
2436.97526	2798.0301	3789.32467	3641.94062	3426.26364	4015.60487	4076.12049	3409.85834	3925.58088	4008.00174	3988.70273
2436.97526	2798.0301	3789.32467	3641.94062	3426.26364	4015.60487	4076.12049	3409.85834	3925.58088	4008.00174	3988.70273
72129.214	83999.7409	123127.725	178105.652	152282.246	147044.662	140192.252	93900.7221	110154.419	125016.139	118214.957
72129.214	83999.7409	123127.725	178105.652	152282.246	147044.662	140192.252	93900.7221	110154.419	125016.139	118214.957
4194.01455	3891.72687	4055.50602	4403.7818	2768.36443	4366.1577	4465.08298	3801.67879	3705.97524	3124.76306	3211.31465
124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554
4194.01455	3891.72687	4055.50602	4403.7818	2768.36443	4366.1577	4465.08298	3801.67879	3705.97524	3124.76306	3211.31465
11.154294	10.108381	9.564872	11.234137	7.689901	10.72766	12.133377	9.31784	9.650977	7.971334	7.870869
124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554
124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554
4194.01455	3891.72687	4055.50602	4403.7818	2768.36443	4366.1577	4465.08298	3801.67879	3705.97524	3124.76306	3211.31465
-124762.33	-116409.24	-130776.37	-212111.71	-122637.53	-160514.31	-156076.83	-104504.88	-100761.81	-94495.428	-91793.355
-124762.33	-116409.24	-130776.37	-212111.71	-122637.53	-160514.31	-156076.83	-104504.88	-100761.81	-94495.428	-91793.355
88674.4392	103515.216	136081.719	124657	105334.075	110109.662	87078.3432	95494.0391	96295.3849	117562.733	118030.122
4194.01455	3891.72687	4055.50602	4403.7818	2768.36443	4366.1577	4465.08298	3801.67879	3705.97524	3124.76306	3211.31465

4194.01455	3891.72687	4055.50602	4403.7818	2768.36443	4366.1577	4465.08298	3801.67879	3705.97524	3124.76306	3211.31465
124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554
124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554

34713.6766	35332.1002	39299.417	39806.8357	33676.3206	39191.6173	38897.9805	38798.5458	33032.4894	27479.269	28704.0786
1042476.47	1105506.55	1286058.19	1967605.77	1526789.75	1437334.33	1367669.58	1072420.31	932807.988	845056.486	866478.773

25.652755	16.906583	11.667755	35.719575	147.024065	16.305445	38.131054	22.955307	23.367998	6.318045	13.943265
1.539165	0.507197	0.350032	0.357195	4.410721	0.326108	1.143931	1.606871	0.934719	0.12636	0.697163
34713.6766	35332.1002	39299.417	39806.8357	33676.3206	39191.6173	38897.9805	38798.5458	33032.4894	27479.269	28704.0786
92.323607	91.771688	92.687304	101.54805	93.545334	96.293899	105.701033	95.094474	86.022107	70.100175	70.353133
1042476.47	1105506.55	1286058.19	1967605.77	1526789.75	1437334.33	1367669.58	1072420.31	932807.988	845056.486	866478.773
1042476.47	1105506.55	1286058.19	1967605.77	1526789.75	1437334.33	1367669.58	1072420.31	932807.988	845056.486	866478.773
34713.6766	35332.1002	39299.417	39806.8357	33676.3206	39191.6173	38897.9805	38798.5458	33032.4894	27479.269	28704.0786

-1042476.5	-1105506.6	-1286058.2	-1967605.8	-1526789.7	-1437334.3	-1367669.6	-1072420.3	-932807.99	-845056.49	-866478.77
-1042476.5	-1105506.6	-1286058.2	-1967605.8	-1526789.7	-1437334.3	-1367669.6	-1072420.3	-932807.99	-845056.49	-866478.77
0.23	0.17	0.3	0.02	0.36	0.07	0.14	0.41	0.4	0.11	0.46
620721.074	724606.509	944824.644	877413.321	735235.255	762188.212	603722.601	664837.141	669860.835	819742.253	818012.678

34713.6766	35332.1002	39299.417	39806.8357	33676.3206	39191.6173	38897.9805	38798.5458	33032.4894	27479.269	28704.0786

34713.6766	35332.1002	39299.417	39806.8357	33676.3206	39191.6173	38897.9805	38798.5458	33032.4894	27479.269	28704.0786
1042476.47	1105506.55	1286058.19	1967605.77	1526789.75	1437334.33	1367669.58	1072420.31	932807.988	845056.486	866478.773
1042476.47	1105506.55	1286058.19	1967605.77	1526789.75	1437334.33	1367669.58	1072420.31	932807.988	845056.486	866478.773

11.378065	11.421864	11.425592	11.102046	11.236488	11.291149	11.429978	11.369009	11.396187	11.404928	11.462207
0.289729	0.287913	0.292046	0.377904	0.34851	0.331144	0.293934	0.302326	0.294946	0.298894	0.283941
0.279664	0.276676	0.282143	0.364913	0.333928	0.31878	0.281318	0.2905	0.283528	0.288834	0.272544
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
1655268.78	1983737.74	2755029.85	2999102.92	2340173.68	2221390.08	1490759.39	1726698.95	1918591.71	2645574.65	2557323.48
6997.02092	7326.3334	8527.98638	9314.44789	7947.46182	8174.13057	6275.19759	7347.09787	7539.20601	8533.72986	8588.73183
-15358.845	-29181.081	-52866.518	-33140.287	-27527.108	-23172.068	-10176.271	-13272.522	-23449.537	-50202.045	-50378.857
0.032011	0.035378	0.034322	0.03121	0.036469	0.031532	0.034829	0.031564	0.035369	0.034626	0.038816
431188.083	435667.099	490765.585	570220.559	485444.733	528393.37	425338.52	484255.669	446532.701	464188.985	458648.175
794505.466	811737.47	966696.755	1173292.71	1063073.64	1073643.81	945786.837	911531.357	881008.096	998437.661	1032586.99
3.437335	3.437739	3.463447	3.601781	3.644548	3.541167	3.625443	3.497217	3.520259	3.598838	3.604118
735970.142	748522.648	839793.559	967988.735	807781.848	883653.404	718673.269	827454.488	757399.137	785206.036	780722.888
494.358261	1912.66783	5243.00132	13013.3712	9166.35148	9531.38832	860.987763	1432.39326	4845.85574	15867.3271	10858.6507
133219.465	135278.979	150178.683	138796.149	126739.837	144242.494	129552.721	144111.384	135448.536	138925.291	143711.016
354.307087	351.373971	354.195007	354.071808	352.055102	354.404162	352.045437	353.214176	352.730562	354.401252	352.232882
138029.6	140966.4	155650.4	143903.2	132156	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.099999	366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
184.6954	201.597876	192.742532	233.48669	349.227707	295.994705	303.090167	197.397163	199.741222	299.945923	255.967427
40.669833	40.797732	41.104546	41.64144	42.57047	41.644957	42.974904	41.408911	41.733189	42.615545	42.873361
1646290.08	1672936.26	1935644.07	2292615.07	2006065.79	2095470.07	1783176.23	1873442.99	1764979.97	1906805.79	1943296.55
1772995.72	1998763.14	2467951.33	3659527.86	3083545.44	2715665.71	2400000.03	1850349.77	1833930.53	2369086.94	2406672.13
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
126705.645	325826.877	532307.253	1366912.79	1077479.64	620195.637	616823.802	-23093.228	68950.5509	462281.157	463375.582
2815472.2	3104269.69	3754009.52	5627133.63	4610335.18	4153000.04	3767669.61	2922770.08	2766738.51	3214143.43	3273150.9
1491.94	1439.58	1639.42	1807.3	1747.33	1908.95	1570.65	1708.8	1599.01	1836.02	1700.53
311612.082	218641.232	175113.173	240163.466	341102.006	389170.405	517372.432	402618.461	275325.935	130986.791	201369.336
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
369467.281	576750.066	1049881.93	996955.594	724916.955	563432.401	273668.052	310377.853	481993.438	915628.273	871121.693
291.94	322.91	388.86	316.06	284.54	314.26	271.3	300.72	311.47	359.65	374.92
166.490652	195.88384	250.471589	224.397628	223.289779	186.275002	153.068295	163.564736	219.262296	273.598081	261.703148

4.597544	4.856051	7.002935	6.926256	5.427955	4.449332	3.21556	4.446374	5.566119	7.177287	6.927949
21,078	32,492	54,383	36,299	32,075	29,423	17,882	21,284	28,090	51,512	51,965
508761.747	371854.507	272956.274	355184.442	552365.702	616744.376	1023824.01	601956.403	411678.773	180251.05	317610.508
3.943551	2.045279	1.012391	3.720972	3.640278	4.080669	3.624574	4.693851	3.653563	1.526562	1.185893
5,720	3,311	1,516	3,158	4,548	6,251	7,706	8,011	4,641	1,310	1,586
27.913492	29.495266	32.550346	49.36145	47.090323	36.067915	27.696021	26.687192	29.91085	40.938053	34.515269
27.562662	29.454687	32.515073	49.280198	47.017222	35.99411	26.908455	26.164768	29.204918	40.933399	34.512502
-15358.845	-29181.081	-52866.518	-33140.287	-27527.108	-23172.068	-10176.271	-13272.522	-23449.537	-50202.045	-50378.857
-40.847991	-75.795016	-124.68518	-84.541548	-76.464189	-56.933828	-27.652909	-32.530691	-61.066502	-128.06644	-123.47759
-1733717.7	-2107312.7	-2970477.3	-3226838.5	-2423167.5	-2310511.3	-1251551.1	-1832902.3	-2065707.7	-2879554.3	-2732975.8
-19.546722	-20.364674	-21.826772	-25.691254	-22.983449	-20.978165	-14.303748	-19.182592	-21.418182	-24.131252	-22.834546
-1733717.7	-2107312.7	-2970477.3	-3226838.5	-2423167.5	-2310511.3	-1251551.1	-1832902.3	-2065707.7	-2879554.3	-2732975.8
67595.9665	71022.902	81699.0985	89160.6014	73258.886	80686.1954	69196.295	74297.487	68359.9062	67733.955	67938.6853
1285801.5	1406987.67	1705147.92	2002147.32	1615256.73	1657957.68	1217091.33	1416321.1	1436598.27	1729946.37	1686201.78
1515116.85	1885840.77	2721734.17	2944306.57	2186972.33	2051903.03	1041430.03	1590749.1	1843598.74	2650217.57	2504869.37
1375822.38	2090736.33	3498659.82	3586077.72	2359523.58	1998591.06	291274.069	1299170.55	1913913.41	3385594.8	3058380.56
956051.779	1114021.05	1462447.31	1363074.03	1146726.66	1193022.46	937640.239	1029801.61	1039662.45	1284124.4	1278080.81
3.81	3.9	4.25	4.43	4.8	4.46	4.66	4.21	4.05	3.88	5.06
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
1530475.61	1560260.12	1806490.31	2141281.44	1870855.49	1957297.22	1664460.11	1738985.84	1638407.23	1783643.7	1813309.88
73315.5946	74334.1342	83215.201	92319.0997	77806.9666	86937.5933	76902.0725	82308.7858	73000.4994	69043.467	69524.8866
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
66703.6607	65285.8869	73679.7837	100443.89	84965.9647	89432.4312	69692.8039	79682.4832	73306.202	77229.4724	74189.757
34713.6766	35332.1002	39299.417	39806.8357	33676.3206	39191.6173	38897.9805	38798.5458	33032.4894	27479.269	28704.0786
1042476.47	1105506.55	1286058.19	1967605.77	1526789.75	1437334.33	1367669.58	1072420.31	932807.988	845056.486	866478.773
1042476.47	1105506.55	1286058.19	1967605.77	1526789.75	1437334.33	1367669.58	1072420.31	932807.988	845056.486	866478.773

2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03	2037-04	2037-05	2037-06	2037-07
27.519864	30.519846	32.119869	33.529924	51.234745	46.704708	37.944648	35.834771	28.324719	29.574729	32.75476
20.725749	20.725787	20.725774	20.725812	21.139524	21.139574	21.13965	21.139549	21.139574	21.13965	21.139562
27.393982	30.393971	31.993984	33.404017	51.10688	46.576858	37.816822	35.706895	28.196864	29.44687	32.626889
27.490814	30.490798	32.090818	33.500868	51.205238	46.675204	37.91515	35.805261	28.295214	29.545223	32.725251
26.764569	29.764596	31.364563	32.774483	50.467552	45.937606	37.177692	35.067515	27.557591	28.807576	31.987531
27.045384	30.045394	31.645382	33.055352	50.752791	46.222811	37.462842	35.352777	27.842805	29.092799	32.272783
$ 27.47	$ 30.47	$ 32.07	$ 33.48	$ 51.19	$ 46.66	$ 37.90	$ 35.79	$ 28.28	$ 29.53	$ 32.71
$ 27.51	$ 30.51	$ 32.11	$ 33.52	$ 51.22	$ 46.69	$ 37.93	$ 35.82	$ 28.31	$ 29.56	$ 32.74

26.178358	26.178358	26.178358	26.178358	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925
1.64	1.64	1.64	1.64	1.69	1.69	1.69	1.69	1.69	1.69	1.69
27.21	30.21	31.81	33.22	50.92	46.39	37.63	35.52	28.01	29.26	32.44
5.838418	5.924972	6.891573	7.681743	7.739256	7.759294	6.936781	6.320361	5.951719	5.967828	6.016632
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
0.13894	0.27788	0.27788	0.41682		0.41682	0.55576	0.41682	0.13894	0.13894	0.13894
0.003101	0.0026	0.012959	0.009343		0.000808	0.000576	0.006594	0.000125	0.000048	0.001158
0.003101	0.0026	0.012435	0.008095		0.000808	0.000566	0.006594	0.000125	0.000048	0.001158
		11747.6562	8940.11931		79.032754		99.596744			594.930635
		41.226043	27.747332		0.246215		0.355936			1.741945
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
0.037526	0.028138	0.031153	0.034693	0.035465	0.037727	0.031122	0.027826	0.032004	0.026847	0.025558
372.3592	305.668	1617.2616	992.0316		88.9216	69.47	758.612399	16.6728	5.5576	136.1612
9747.75261	8001.88647	42337.2539	25969.7588		2374.37795	1854.98277	20256.4119	445.195865	148.398621	3635.76623
0.277683	0.555367	0.555367	0.83305		0.849957	1.133277	0.849957	0.283319	0.283319	0.283319
592.051128	486.01212	2571.44594	1577.33024		144.942208	113.2361	1236.53821	27.176664	9.058888	221.942756
8315.775	8221.95	9068.4	8514	8854.425	7621.2	8545.5	8049.6	9234.675	8057.7	8243.775
21.655664	21.866888	21.746762	21.719387	21.702022	21.651136	21.855498	21.873913	21.779893	21.895923	21.924933
8640	8460	9360	8820	9180	7920	8820	8280	9540	8280	8460
22.5	22.5	22.446043	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
3.873035	7.769807	7.748435	11.620916		12.233203	15.927603	11.854913	3.951637	3.951637	3.951637
3.873035	7.769807	7.748435	11.620916		12.233203	15.927603	11.854913	3.951637	3.951637	3.951637
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
13014.1013	9842.8205	65466.0329	42582.8075		3005.06472	2257.72303	29349.9261	505.290807	161.935919	4634.63097
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979

13014.1013	9842.8205	65466.0329	42582.8075		3005.06472	2257.72303	29349.9261	505.290807	161.935919	4634.63097
14.2	9.13	11.47	14.13	9.65	15.02	11.37	14.12	10.68	12.7	14.84
10379.7357	8532.54649	33346.3475	18725.2237		2474.226	1987.92417	21476.3453	474.196529	158.065509	3277.67436
13014.1013	9842.8205	48656.1851	28256.812		2913.72022	2257.72303	29206.366	505.290807	161.935919	3945.17664
0.2	0.4	0.373381	0.382589		0.6	0.8	0.597729	0.2	0.2	0.197487
26.8	22	86.098734	48.317023		6.2	5	54.34796	1.2	0.4	8.29447
		390.387527	394.675633				395.163774			404.854297
		7.80775	7.893512				3.951637			4.048542
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
0.069791	0.05851	0.279136	0.182142		0.018181	0.012787	0.148369	0.00283	0.001086	0.026063
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979
		30.301265	23.082976		0.2		0.252039			1.505529
		11747.6562	8940.11931		79.032754		99.596744			594.930635
0.2	0.32	0.56	0.1		0.07	0.09	0.33	0.04	0.02	0.19
-2634.3656	-1310.274	-20372.029	-14917.465		-451.80596	-269.79886	-7773.984	-31.094278	-3.870409	-762.02598
-15648.467	-11153.095	-69028.214	-43174.276		-3365.5262	-2527.5219	-36980.35	-536.38509	-165.80633	-4707.2026
		0.13	0.1							0.03
336.764	243.4024	1581.1275	1131.4251		102.3585	72.196	667.2622	15.0494	6.7669	161.8106
	0.01	0.01	0.01		0.02	0.01				
	11.8679	11.8679	11.8679		24.2106	12.1053				
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
10339.8037	8487.89859	44908.6998	27547.0891		2519.32016	1968.21887	21492.9501	472.372529	157.457509	3857.70899
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
	11.8679	11.8679	11.8679		24.2106	12.1053				
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
39.932	32.78	173.436	106.386		9.728	7.6	82.992	1.824	0.608	14.896
2.63732	1.31866	1.03609	0.941899	5.18045	4.61531	3.95598	3.20246	2.44894	2.73151	4.05017
0.059582	0.042271	0.027883	0.032606	0.12795	0.12455	0.099805	0.06844	0.079911	0.069465	0.079984
0.058177	0.041914	0.027187	0.031989	0.12549	0.120994	0.096683	0.065652	0.077382	0.06769	0.076037
20402.6489	14317.2003	33210.6685	73491.1705	151654.483	101083.87	45622.8775	8429.88813	13049.3857	30669.6658	105325.779
72.957684	57.311811	114.10935	222.279028	455.501284	319.766689	159.861375	33.562424	53.196835	101.304323	311.59979
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22

0.03276	0.029042	0.025264	0.023469	0.022107	0.028806	0.030127	0.030516	0.029834	0.029483	0.033164
12204.3867	8609.71952	6178.67562	6850.62708	27970.6624	23267.0022	20704.8458	13198.6563	17924.1686	13608.3828	15618.7742
109264.71	130317.971	152846.183	136223.463	287265.004	231729.203	166264.266	118205.361	137160.667	95180.3732	133284.831
2.039706	1.508403	1.916432	1.594325	3.991849	3.704082	2.828467	2.516733	1.800828	1.879588	2.940367
2143.26896	863.2218	1564.36178	3763.74445	13253.3584	9378.70835	5284.26002	775.731036	1629.28952	4067.87491	11498.3662
21542.36	21174.64	23518.42	22202.4	23140.84	19827.88	22051.02	20692.66	23858.3	20714.7	21084.74
56.099895	56.315531	56.399088	56.638775	56.717745	56.329204	56.39647	56.230054	56.269575	56.289945	56.076436
22272	21808	24128	22736	23664	20416	22736	21344	24592	21344	21808
58	58	57.860911	58	58	58	58.148337	58	58	58	58
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
22.191201	15.767055	19.233584	16.161872	43.747898	40.163043	31.322294	27.375149	19.750197	20.851157	32.293862
22.191201	15.767055	19.233584	16.161872	43.747898	40.163043	31.322294	27.375149	19.750197	20.851157	32.293862
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
193967.75	192665.048	217504.091	221419.263	408031.363	382083.047	283224.976	279313.376	269887.873	176804.445	223926.312
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
193967.75	192665.048	217504.091	221419.263	408031.363	382083.047	283224.976	279313.376	269887.873	176804.445	223926.312
120.89	110.52	96.15	103.58	237.67	192.59	175	128.02	125.87	130.44	215.89
102479.353	125578.105	126501.338	70323.6904	167485.142	157065.765	144108.931	124776.568	144435.413	79951.0851	45658.4652
162240.054	172735.58	172466.455	108336.582	212486.892	230175.166	214988.281	260944.822	244772.284	126296.914	66814.9875
14.047016	7.078115	5.353675	2.901412	19.230732	20.949302	19.211451	19.111151	14.05821	12.770734	8.90745
1068.1726	822.433137	489.894238	327.729337	1562.51237	1474.4977	1637.17866	1318.92189	1730.00097	1012.9003	437.457054
76.455444	129.565795	185.355583	164.897742	89.381512	89.599575	78.144872	89.379246	80.63637	74.529506	80.408486
19.089172	14.233392	18.440141	16.44338	44.525486	39.422636	29.6713	18.769641	17.733329	20.851975	34.57431
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
3.37427	2.431063	1.573093	1.855408	7.278431	7.01767	5.621994	3.807826	4.48816	3.926032	4.410159
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
227.547399	91.646862	166.085761	399.590662	1407.08763	995.7223	561.021341	82.358109	172.979033	431.879701	1220.76295
20402.6489	14317.2003	33210.6685	73491.1705	151654.483	101083.87	45622.8775	8429.88813	13049.3857	30669.6658	105325.779
9.44	8.81	5.37	3.75	23.17	13.56	13.93	7.53	9.83	7.81	6.15
-71085.748	-52769.743	-57792.084	-77604.402	-88891.739	-123933.41	-93493.168	-146106.92	-112403.07	-66183.694	-72942.068
-233325.8	-225505.32	-230258.54	-185940.98	-301378.63	-354108.58	-308481.45	-407051.74	-357175.36	-192480.61	-139757.06
1	0.44	0.79	1.69	8.91	4.52	1.74	0.24	0.31	1.56	7.7
5533.1273	3758.3635	3120.0756	4099.0032	16808.4864	13152.8393	10461.5488	5835.1042	7818.7404	6669.9555	9453.9913
0.26	0.13	0.08	0.05	0.66	0.38	0.26	0.24	0.24	0.2	0.19

141.804	70.902	43.632	27.27	367.1646	211.3978	144.6406	133.5144	133.5144	111.262	105.6989
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
109264.71	130317.971	152846.183	136223.463	287265.004	231729.203	166264.266	118205.361	137160.667	95180.3732	133284.831
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
141.804	70.902	43.632	27.27	367.1646	211.3978	144.6406	133.5144	133.5144	111.262	105.6989
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
13475.488	9506.432	6822.192	7564.128	31507.456	26209.0342	23322.902	14867.5808	20190.6178	15329.1158	17593.7142
0.58		0.07	0.03	1.66	1.49	1.6	0.67	0.34	0.48	0.17
11.347277	11.342577	11.415699	11.377603	11.080499	11.165132	11.21547	11.274424	11.34877	11.303063	11.270715
0.504886	0.503957	0.472994	0.498479	0.64517	0.591825	0.567724	0.529169	0.499592	0.519326	0.531592
0.488346	0.486537	0.456767	0.481818	0.62357	0.570527	0.550751	0.510937	0.480216	0.501371	0.511525
740656.038	709098.361	852783.259	878461.84	1136979.11	888422.389	884849.949	662047.959	789684.085	757030.309	906143.402
3179.69087	2973.59732	3093.8085	2716.88635	3495.14012	2866.64073	3241.71599	2761.49761	3310.80275	2998.30887	2954.79428
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
0.034218	0.035292	0.036442	0.034413	0.034803	0.033693	0.031275	0.034565	0.039433	0.036358	0.037898
232900.047	227347.22	237851.743	234988.319	307957.935	245252.102	264740.033	232323.007	253149.06	228376.945	237392.232
387340.141	377953.643	394389.276	390153.277	529097.194	420177.144	453850.394	397803.625	433649.451	391795.808	408243.472
3.6364	3.6364	3.6364	3.6364	3.710999	3.711	3.711	3.711	3.711	3.711	3.711
464961.654	453875.991	474847.219	469130.68	622382.987	495654.498	535039.607	469524.796	511614.25	461549.806	479769.701
41165.46	40263.03	44493.24	42014.61	43711.8	37755.54	42151.14	39436.08	45208.08	39362.82	40154.25
107.201718	107.082526	106.698417	107.180127	107.136764	107.260056	107.803427	107.16326	106.62283	106.964184	106.793218
42624	41736	46176	43512	45288	39072	43512	40848	47064	40848	41736
111	111	110.733812	111	111	111	111.283887	111	111	111	111
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
43.807937	43.759904	44.061327	43.863914	43.533592	43.880936	44.104696	44.339153	44.768405	44.489823	44.348006
43.235445	43.217523	43.492166	43.349243	43.123678	43.441062	43.628339	43.85001	44.127333	43.954344	43.831264
903766.538	881646.347	921358.546	910416.617	1219101.2	969401.867	1046940.75	918432.62	1003861.31	904511.699	940735.353
864922.712	921907.736	1108725.78	1078595.74	1901982.65	1447692.77	1268958.29	1098647.99	977869.122	868102.989	1006517.41
-38843.826	40261.3889	187367.23	168179.125	682881.455	478290.907	222017.54	180215.371	-25992.187	-36408.71	65782.0579
864922.712	921907.736	1108725.78	1078595.74	1901982.65	1447692.77	1268958.29	1098647.99	977869.122	868102.989	1006517.41
370.86	362.73	400.84	378.51	393.8	340.14	379.74	355.28	407.28	354.62	361.75
153226.401	163294.786	58586.0365	22701.577	72040.5805	72828.4778	152867.301	247804.661	201628.975	138043.39	25368.4519
303537.685	372068.725	204539.786	63867.1862	151584.631	178012.408	291127.981	563530.301	429512.165	246511.3	47930.519

25.595879	24.855132	11.964538	6.628502	17.500658	19.848042	26.884802	34.094176	25.996046	25.269066	9.183717
3666.90148	3920.99468	1407.8991	547.240969	1710.07803	1727.31012	3622.31735	5845.22713	4738.49116	3235.83797	589.67208
20.107672	20.513834	20.254686	23.552711	37.797917	30.460333	26.457892	23.630004	19.60851	22.829707	24.850549
18.928777	20.013216	20.219617	23.547517	37.784564	30.442458	26.339962	22.129315	18.679078	22.112534	24.839329
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
54.20651	54.005648	50.57964	53.481857	69.216303	63.328534	61.289754	56.714054	53.304037	55.652288	56.779377
-160580.68	-78573.003	63042.1243	45350.7311	521911.842	350097.633	83637.9242	58780.1359	-158313.2	-155781.34	-58302.862
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17148.3985	16385.1293	19683.8109	20417.647	26530.174	20564.3339	20341.9766	15025.5449	17862.4208	17244.204	20759.3739
740656.038	709098.361	852783.259	878461.84	1136979.11	888422.389	884849.949	662047.959	789684.085	757030.309	906143.402
21.67	21.96	16.09	10.67	24.84	18.07	23.76	21.2	15	15.16	7.26
38843.826	-40261.389	-187367.23	-168179.13	-682881.45	-478290.91	-222017.54	-180215.37	25992.1873	36408.71	-65782.058
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283.04	282.11	348.48	339.64	292.15	258.14	277.47	244.32	308.27	270.88	306.74
83962.6096	84320.8992	107658.328	119616.442	124750.741	102738.387	100797.762	82586.3188	94235.8927	87033.3628	107658.875
0.94	0.88	0.95	0.88	0.94	0.76	0.86	0.8	1.17	0.88	0.86
9884.1	9253.2	9989.25	9253.2	10081.5	8151	9223.5	8580	12548.25	9438	9223.5
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
852301.795	831829.634	869236.496	859283.957	1151480.18	915831.642	988890.001	867328.422	945263.702	853345.613	888013.172
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
9884.1	9253.2	9989.25	9253.2	10081.5	8151	9223.5	8580	12548.25	9438	9223.5
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
41580.6433	40563.5133	42132.7999	41879.4603	57539.5135	45419.2247	48827.249	42524.198	46049.3582	41728.0856	43498.6812
34.39	34.6	12.61	6.38	18.64	14.63	32.69	56.26	39.81	34.22	8.17
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.002968	0.001702	0.012824	0.009896		0.000751	0.000409	0.006521	0.000047		0.000718
0.002968	0.001569	0.012139	0.008239		0.000738	0.000408	0.006521	0.000047		0.000718
		935.870608	1045.85802		12.704951					50.819806
		3.245933	3.218816		0.03958					0.147564
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
0.034088	0.025611	0.030649	0.033571	0.034485	0.032073	0.033647	0.02807	0.027806	0.032472	0.037367
51.3	26.55	227.25	145.35		11.7	7.2	108	0.9		12.15

1342.94979	695.035416	5949.03196	3805.0244		312.412529	192.253864	2883.80797	24.031733		324.428396
0.277096	0.554193	0.554193	0.831289		0.846996	1.129329	0.846996	0.282332		0.282332
78.555689	40.656015	347.987924	222.574455		17.91621	11.02536	165.380399	1.37817		18.605295
1112.73	1099.11	1209.75	1136.52	1181.79	1022.13	1136.43	1073.01	1236.63	1068.15	1085.85
2.897734	2.923164	2.901079	2.899285	2.896544	2.903778	2.90647	2.915788	2.91658	2.902581	2.887898
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1710.54627	848.499429	8794.20102	5844.09638		375.389933	227.920436	3993.58929	26.378016		425.033857
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
1710.54627	848.499429	8794.20102	5844.09638		375.389933	227.920436	3993.58929	26.378016		425.033857
1.14	0.59	5.05	3.23		0.26	0.16	2.4	0.02		0.27
1421.50548	735.691431	5361.14927	2981.74084		317.623788	203.279224	3049.18837	25.409903		292.213885
1710.54627	848.499429	7544.41559	4242.90486		361.6977	227.920436	3993.58929	26.378016		365.128567
0.03	0.06	0.059725	0.059868		0.09	0.12	0.09	0.03		0.03
3.42	1.77	12.898388	7.17377		0.75	0.48	7.2	0.06		0.69
		415.644876	415.644876							
		8.312897	8.312897							
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
0.008906	0.004707	0.03633	0.024719		0.002215	0.001227	0.019565	0.000141		0.002154
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
		2.251611	2.516229		0.03					0.12
		935.870608	1045.85802		12.704951					50.819806
-289.04079	-112.808	-2497.1811	-1816.4975		-45.061193	-24.641211	-944.40093	-0.968113		-82.000166
-1999.5871	-961.30743	-10041.597	-6059.4024		-406.75889	-252.56165	-4937.9902	-27.346129		-447.12873
287.4788	126.1661	1365.3924	1034.9586		83.5438	45.5276	587.6858	5.004		89.6014
0.25	0.16	0.6	0.18		0.13	0.09	0.4	0.01		0.06
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81

1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
12.21844	12.195842	12.306521	12.263002	11.714172	11.851069	11.938602	12.045054	12.223329	12.110353	12.070952
0.527613	0.530942	0.501044	0.524475	0.697157	0.631487	0.610219	0.571087	0.525544	0.558945	0.563631
0.501492	0.502095	0.475384	0.5019	0.664253	0.59863	0.578764	0.540903	0.497978	0.537533	0.537004
286188.803	280290.057	296037.801	292768.643	395013.77	310707.889	336528.138	297785.932	320489.109	297786.07	303451.494
1241.42826	1183.29837	1076.57265	907.112089	1217.90286	1006.1903	1240.53376	1251.34757	1349.244	1199.39205	992.926246
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
0.051796	0.055505	0.053485	0.041607	0.047034	0.053181	0.051556	0.054021	0.051674	0.040298	0.048191
98852.2595	96789.7591	102456.595	101209.321	133532.188	105067.319	113835.011	100822.918	108574.636	100650.115	102522.676
164437.566	160995.858	169873.032	168061.931	228659.434	179958.43	194995.301	172541.943	185755.635	172798.665	176078.734
2.763499	2.763499	2.763499	2.7635	2.8206	2.8206	2.8206	2.8206	2.8206	2.8206	2.8206
111060.514	108743.294	115109.985	113708.672	150971.491	118789.11	128701.864	113990.392	122754.484	113795.021	115912.137
15656.73	15270.59	16931.25	16154.67	16718.83	14331.04	15986.97	14969.16	17289.87	15186.31	15388.84
40.772734	40.613271	40.602517	41.210892	40.977524	40.713181	40.887391	40.677065	40.777995	41.267146	40.927765
16512	16168	17888	16856	17544	15136	16856	15824	18232	15824	16168
43	43	42.896882	43	43	43	43.109974	43	43	43	43
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
36.036223	35.976468	36.310187	36.069362	34.975639	35.662539	35.802468	36.143561	36.627206	36.270851	36.300703
35.021195	34.955751	35.274403	35.148312	34.313579	34.697181	34.942441	35.245297	35.753173	35.425565	35.314398
293334.816	287156.291	303421.687	299216.543	401219.357	317815.142	343840.993	304301.34	327442.732	303708.864	310293.551
339263.087	365694.323	420965.713	430860.801	743234.356	557776.468	492802.2	433863.624	376598.333	346650.923	397054.958
45928.2708	78538.0319	117544.026	131644.258	342014.999	239961.326	148961.207	129562.284	49155.6008	42942.0588	86761.4066
339263.087	365694.323	420965.713	430860.801	743234.356	557776.468	492802.2	433863.624	376598.333	346650.923	397054.958
364.11	355.13	393.75	375.69	388.81	333.28	371.79	348.12	402.09	353.17	357.88
74.121611	2.339931					46.484967	44.625475	5.488583	35.442803	
473.392469	26.832911					42.041848	63.814282	15.137147	44.617994	
0.684036	0.040685					0.399812	0.692377	0.084674	0.314586	
2.185924	0.067854					1.448534	1.369894	0.161118	1.067359	
23.824244	23.076596	18.073148	17.170059	46.749117	41.641351	32.345046	29.314579	24.949463	25.391826	22.91509
9.93984	8.53834	4.156824	4.979317	13.557244	11.659578	9.697424	11.136143	7.734333	8.123907	5.728772
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
21.564192	21.590106	20.392517	21.581709	28.562916	25.741107	24.950511	23.258858	21.413089	23.11394	23.091196
-5741.8053	27946.0248	63989.9633	78742.1455	272217.725	185042.639	89459.6461	76862.1444	-7596.3616	-9667.7565	33172.804
-5741.8053	27946.0248	63989.9633	78742.1455	272217.725	185042.639	89459.6461	76862.1444	-7596.3616	-9667.7565	33172.804

8278.46408	8117.81215	8503.68	8460.03	11653.67	9060.87	9754.20147	8557.89011	9078.98888	8504.86264	8682.29
286188.803	280290.057	296037.801	292768.643	395013.77	310707.889	336528.138	297785.932	320489.109	297786.07	303451.494
-45928.271	-78538.032	-117544.03	-131644.26	-342015	-239961.33	-148961.21	-129562.28	-49155.601	-42942.059	-86761.407
-46401.663	-78564.865	-117544.03	-131644.26	-342015	-239961.33	-149003.25	-129626.1	-49170.738	-42986.677	-86761.407
4.42	3.58	2.9	3.29	2.85	2.38	3.32	3.18	2.65	3.09	2.52
81362.3968	81009.227	104345.946	117185.439	122277.57	98657.0969	97243.021	79517.1648	92263.0639	85994.5329	105377.079
1.36	1.32	1.42	1.24	1.17	1.34	1.37	1.22	1.31	1.11	1.29
7071.8912	6863.8944	7383.8864	6447.9008	6205.5864	7107.2528	7266.3704	6470.7824	6948.1352	5887.3512	6842.0568
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
275498.08	269739.153	284983.017	281770.604	379630.926	298747.541	323697.165	286532.335	308510.119	286593.685	291990.871
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
7071.8912	6863.8944	7383.8864	6447.9008	6205.5864	7107.2528	7266.3704	6470.7824	6948.1352	5887.3512	6842.0568
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
10764.845	10553.244	11054.784	10998.039	15382.8444	11960.3484	12877.458	11298.2232	11984.478	11227.8276	11460.6228
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.003285	0.001764	0.012611	0.009861		0.000797	0.000409	0.00688	0.000047		0.000718
0.002968	0.001755	0.012043	0.009846		0.000795	0.000408	0.006277	0.000047		0.000718
		1053.12116	1044.49755		12.704951					50.819806
		3.620914	3.20564		0.03958					0.147564
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
0.025442	0.027047	0.031971	0.030663	0.029166	0.035	0.030076	0.029429	0.021014	0.036711	0.043191
51.3	29.7	225.45	173.7		12.6	7.2	103.95	0.9		12.15
1342.94979	777.497245	5901.91091	4547.18086		336.444262	192.253864	2775.66517	24.031733		324.428396
0.277096	0.554193	0.554193	0.831289		0.846996	1.129329	0.846996	0.282332		0.282332
78.555689	45.47961	345.231584	265.98681		19.29438	11.02536	159.178635	1.37817		18.605295
1122.69	1097.49	1208.1	1139.94	1188.3	1019.04	1140.63	1071.51	1245.27	1063.47	1079.28
2.923671	2.918856	2.897122	2.90801	2.9125	2.895	2.917212	2.911711	2.936957	2.889864	2.870425
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81

4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1710.54627	946.85682	8647.29909	6975.79918		401.297058	227.920436	3862.19424	26.378016		425.033857
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
1710.54627	946.85682	8647.29909	6975.79918		401.297058	227.920436	3862.19424	26.378016		425.033857
1.14	0.66	5.01	3.86		0.28	0.16	2.31	0.02		0.27
1421.50548	822.976855	5194.02134	3768.67012		343.033691	203.279224	2934.8438	25.409903		292.213885
1710.54627	946.85682	7234.89566	5380.8537		387.604824	227.920436	3862.19424	26.378016		365.128567
0.03	0.06	0.059378	0.059714		0.09	0.12	0.09	0.03		0.03
3.42	1.98	12.496295	9.067043		0.81	0.48	6.93	0.06		0.69
		415.644876	415.644876							
		8.312897	4.156448							
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
0.008906	0.005265	0.036043	0.02954		0.002386	0.001227	0.018831	0.000141		0.002154
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
		2.533704	2.512956		0.03					0.12
		1053.12116	1044.49755		12.704951					50.819806
0.12	0.01	0.01	0.01		0.03		0.04			
-289.04079	-123.87996	-2400.1566	-2162.6315		-45.558415	-24.641211	-927.35043	-0.968113		-82.000166
-1999.5871	-1070.7368	-9635.0523	-7543.4852		-433.16324	-252.56165	-4789.5447	-27.346129		-447.12873
287.4788	142.1854	1369.0379	1233.4448		89.4995	45.5276	568.1185	5.004		89.6014
0.25	0.19	0.62	0.2		0.15	0.09	0.37	0.01		0.06
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
2.702443	1.13137	0.987958	0.851535	5.922148	5.9572	4.67228	2.706301	2.422437	2.991118	5.245989
0.027438	0.015996	0.007819	0.014358	0.036497	0.060884	0.04963	0.042886	0.050823	0.03849	0.03759
0.026953	0.014425	0.007716	0.014132	0.034867	0.058198	0.048867	0.042331	0.049839	0.038293	0.036569
3657.14998	1882.55264	1662.27397	12660.7512	19046.5483	18605.3975	8530.6722	2342.04642	2439.35956	7601.85684	37521.3419

12.487	7.392252	5.651268	37.168688	56.51507	58.583021	30.335782	9.304784	9.820393	24.064594	105.289364
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
0.035182	0.029547	0.024026	0.029502	0.027144	0.031321	0.024477	0.0361	0.033384	0.027907	0.028843
7422.3	3880.8	2274.9	3963.8	10091.7	14696.3	13725.4	11261.3	15228.6	10139.8	9861.1
75014.4869	55094.5955	60926.1899	93527.4767	89582.2116	135505.143	109782.883	108317.425	117642.536	69224.7497	85476.363
1.356101	1.027944	1.279533	0.802609	2.738837	2.885023	1.9315	1.377782	1.183461	1.29937	2.611559
438.644587	139.907579	148.654627	741.359181	2340.98694	2153.41195	1563.19915	198.151321	371.486344	1228.7584	4804.08351
18469	18243.6	20303.1	19032.1	19853.3	17042.9	19142	17697.8	20569.2	17912.9	18278.3
48.096354	48.520212	48.688489	48.551275	48.660049	48.417329	48.956521	48.091847	48.512264	48.676358	48.6125
19200	18800	20800	19600	20400	17600	19600	18400	21200	18400	18800
50	50	49.880095	50	50	50	50.127877	50	50	50	50
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
36.65567	24.178166	37.276497	23.347445	64.085449	73.941452	48.627837	38.387848	32.212431	35.736548	63.16151
19.408267	14.611556	18.184965	11.466971	39.160867	41.262008	27.454337	19.739197	16.948498	18.588695	37.237166
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
107067.525	67553.5256	72346.0356	113968.808	106415.918	182069.771	150941.069	201797.14	178464.252	103511.948	116886.679
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
107067.525	67553.5256	72346.0356	113968.808	106415.918	182069.771	150941.069	201797.14	178464.252	103511.948	116886.679
173.38	157.26	131.14	151.94	297.6	310.51	304.21	202.71	195.59	205.75	344.97
71532.8139	53294.9548	59336.3569	80915.2894	70918.8893	117280.911	101501.119	106209.794	115531.091	61780.6359	48122.7301
102252.719	65328.7115	70478.1249	98476.7277	83765.6162	156018.182	139874.063	197128.248	173974.747	92085.5129	64533.8054
4.404009	1.690982	1.597452	1.199959	7.18495	7.771976	7.060577	4.456383	3.955933	4.606344	4.678334
486.447585	261.206601	149.881812	224.448318	545.71259	872.445437	847.024658	764.902538	1030.1712	617.753846	349.024817
121.195497	167.928723	226.857687	208.3524	106.412258	115.700276	102.157425	142.891665	107.501355	104.753917	113.190039
14.262688	6.717148	11.318463	12.501144	34.89	34.697246	21.432076	8.573499	11.825149	17.80444	41.877187
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
1.347656	0.721276	0.384892	0.706632	1.743382	2.909943	2.449616	2.116576	2.491981	1.914673	1.828457
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
31.052414	9.993398	10.618187	52.551681	165.587409	151.854562	110.775341	13.997461	26.428796	86.846153	338.475182
3657.14998	1882.55264	1662.27397	12660.7512	19046.5483	18605.3975	8530.6722	2342.04642	2439.35956	7601.85684	37521.3419
6.46	3.56	2.02	3.62	7.71	13.79	12.98	10.94	17.1	10.65	7.38
-31877.561	-12376.018	-11347.405	-20392.768	-16450.481	-46183.463	-40909.277	-93245.3	-60493.802	-34129.455	-31242.607
-134130.28	-77704.73	-81825.53	-118869.5	-100216.1	-202201.64	-180783.34	-290373.55	-234468.55	-126214.97	-95776.413
0.17	0.02	0.07	0.28	1.04	1.15	0.32	0.04	0.06	0.6	2.97

4459.3391	2113.944	1306.315	2969.4933	6960.4669	10605.4788	8810.5063	6852.859	8912.9648	6573.2878	7797.5737
0.11	0.06	0.08	0.01	0.4	0.22	0.1	0.07	0.13	0.03	0.07
87.418	41.192	58.584	5.95	315.586	200.742	88.7	53.687	106.907	18.207	48.085
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
75014.4869	55094.5955	60926.1899	93527.4767	89582.2116	135505.143	109782.883	108317.425	117642.536	69224.7497	85476.363
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
87.418	41.192	58.584	5.95	315.586	200.742	88.7	53.687	106.907	18.207	48.085
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
88.059	41.72	13.857	42.614	67.64	180.424	160.208	180.727999	221.007999	139.536	119.624
0.08		0.08	0.04	0.65	0.74	0.47		0.04	0.14	0.1
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.002947	0.001702	0.012932	0.009821		0.000757	0.000419	0.006524	0.000054		0.000718
0.002656	0.001702	0.012932	0.009821		0.00071	0.000408	0.006413	0.000047		0.000718
		1244.04266	1284.26653		16.996155					67.984621
		4.277076	3.924634		0.052949					0.197406
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
0.02625	0.033563	0.034615	0.036096	0.039362	0.021818	0.022474	0.028695	0.041344	0.034673	0.035984
61.2	38.4	322.8	231		15	9.6	141.6	1.2		16.2
1602.11554	1005.24896	8450.37411	6047.2008		400.528884	256.338485	3780.99267	32.04231		432.571195
0.277715	0.555431	0.555431	0.833146		0.849807	1.133077	0.849807	0.283269		0.283269
97.50384	61.17888	514.28496	368.0292		24.375	15.6	230.1	1.95		26.325
1495.68	1453.52	1606.4	1511.4	1567.76	1377.28	1532.76	1429.76	1625.88	1420.96	1449.88
3.895	3.865744	3.852278	3.855612	3.842549	3.912727	3.920102	3.885217	3.834622	3.861304	3.856063
1536	1504	1664	1568	1632	1408	1568	1472	1696	1472	1504
4	4	3.990407	4	4	4	4.01023	4	4	4	4
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
4.165733	8.331467	8.331467	12.497201		12.747116	16.996155	12.747116	4.249038		4.249038
4.165733	8.331467	8.331467	12.497201		12.747116	16.996155	12.747116	4.249038		4.249038
1699.61938	1066.42784	8964.65907	6415.23		424.903884	271.938485	4011.09267	33.99231		458.896195
2071.41088	1229.21205	12479.343	9284.41012		484.107176	303.893915	5256.90548	35.170688		566.71181
371.791502	162.784208	3514.68392	2869.18012		59.203291	31.955429	1245.81281	1.178377		107.815615
2071.41088	1229.21205	12479.343	9284.41012		484.107176	303.893915	5256.90548	35.170688		566.71181
1.02	0.64	5.38	3.85		0.25	0.16	2.36	0.02		0.27

1699.61938	1066.42784	7720.61641	5130.96347		407.907728	271.938485	4011.09267	33.99231		390.911573
2071.41088	1229.21205	10830.5904	7317.55577		465.850865	303.893915	5256.90548	35.170688		486.838089
0.04	0.08	0.079212	0.079719		0.12	0.16	0.12	0.04		0.04
4.08	2.56	18.533628	12.31707		0.96	0.64	9.44	0.08		0.92
		456.720367	452.245824		456.673309					499.476334
		9.134407	9.044916		4.566733					4.994763
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
0.010625	0.006808	0.051606	0.039285		0.00284	0.001636	0.025652	0.000188		0.002872
371.791502	162.784208	3514.68392	2869.18012		59.203291	31.955429	1245.81281	1.178377		107.815615
371.791502	162.784208	3514.68392	2869.18012		59.203291	31.955429	1245.81281	1.178377		107.815615
		2.986371	3.082929		0.04					0.16
		1244.04266	1284.26653		16.996155					67.984621
1.02	0.57	1.63	0.76		0.22	0.16	2.36	0.02		0.23
-371.7915	-162.78421	-3514.6839	-2869.1801		-59.203291	-31.955429	-1245.8128	-1.178377		-107.81562
-2443.2024	-1391.9963	-14345.274	-10186.736		-525.05416	-335.84934	-6502.7183	-36.349065		-594.6537
		0.26	0.11		0.01					0.04
256.658	137.6962	1464.504	1230.1967		80.2259	45.5276	577.5929	5.004		89.6014
0.22	0.18	0.65	0.2		0.12	0.09	0.4	0.01		0.06
1699.61938	1066.42784	8964.65907	6415.23		424.903884	271.938485	4011.09267	33.99231		458.896195
1699.61938	1066.42784	8964.65907	6415.23		424.903884	271.938485	4011.09267	33.99231		458.896195
1699.61938	1066.42784	8964.65907	6415.23		424.903884	271.938485	4011.09267	33.99231		458.896195
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
1699.61938	1066.42784	8964.65907	6415.23		424.903884	271.938485	4011.09267	33.99231		458.896195

10.924667	10.913906	11.027455	10.983179	10.577156	10.680792	10.744449	10.81986	10.942657	10.873096	10.819777
0.353164	0.350023	0.3157	0.344947	0.52037	0.462647	0.428889	0.393792	0.348342	0.370696	0.388321
0.331962	0.326356	0.300872	0.327725	0.49593	0.438485	0.40278	0.373741	0.326876	0.351924	0.366442
290264.579	281399.176	293930.465	299254.3	466510.517	358353.606	367390.955	311308.089	322064.993	301780.824	325498.565
1253.37284	1185.37534	1066.79381	927.221227	1437.94652	1161.63314	1348.65923	1299.09003	1353.08445	1208.30007	1060.49161
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
0.058489	0.070345	0.043966	0.050841	0.048382	0.055681	0.062653	0.055326	0.063702	0.052201	0.057845
79058.1997	76077.657	78565.0298	79802.7594	121780.681	93687.5219	96334.9032	84573.5829	86084.3385	79999.9679	84793.1837
132785.286	127829.868	131334.653	133846.804	210741.622	161785.92	166584.414	146348.569	148829.322	138740.652	147522.76
3.649499	3.649499	3.649499	3.649499	3.7243	3.724299	3.724299	3.724299	3.724299	3.724299	3.724299
158867.452	152878.052	157876.427	160363.645	247738.439	190588.526	195974.094	172048.04	175121.37	162743.935	172494.774

21186.244	20483.63	23305.806	21803.302	22752.036	19478.64	21531.984	20371.704	23263.614	20439.094	20759.05
55.17251	54.477739	55.889223	55.620668	55.764794	55.337045	55.069012	55.357891	54.867014	55.541016	55.210239
22502.4	22033.6	24377.6	22971.2	23908.8	20627.2	22971.2	21564.8	24846.4	21564.8	22033.6
58.599999	58.599999	58.459472	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
46.92739	48.116908	46.311673	47.184311	44.688484	45.991838	46.898479	46.556554	48.593566	47.428791	46.795924
40.507824	40.466202	40.891401	40.725215	40.034743	40.421235	40.659186	40.943019	41.401281	41.137086	40.937876
329686.567	322801.301	323143.531	330160.033	504082.662	390289.273	405908.591	352994.557	368938.331	339131.564	357994.225
373240.138	408122.668	470602.542	509743.143	856151.362	667877.488	560933.14	515725.315	433789.748	374386.66	450250.038
43553.5711	85321.3666	147459.011	179583.11	352068.699	277588.215	155024.549	162730.758	64851.4171	35255.0956	92255.8132
373240.138	408122.668	470602.542	509743.143	856151.362	667877.488	560933.14	515725.315	433789.748	374386.66	450250.038
361.54	349.55	397.71	372.07	388.26	332.4	367.44	347.64	396.99	348.79	354.25
6393.0338	4126.59045	194.769902	0.068886	32.379797	171.250168	1459.14944	12569.0852	7408.45628	4864.40369	9.323231
15459.4341	11644.6326	576.098073	0.1384	43.145868	294.173745	2442.14436	31879.6576	17144.9919	9577.86081	11.618355
5.23104	4.687549	1.781011	0.001842	0.778382	1.777102	4.718552	8.133165	4.994994	5.330344	0.238549
166.024275	107.450395	4.929469	0.001842	0.778382	4.357265	37.421124	323.206352	189.116635	123.846803	0.238549
21.763787	21.968727	25.903097	29.606754	45.936118	38.944633	30.259425	25.329512	19.80951	24.567844	26.94671
16.858287	19.056813	21.448402	25.757876	38.125971	31.924418	27.384701	22.078104	17.589882	20.591529	22.096302
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
19.453026	19.12451	17.588872	19.204688	29.061544	25.695227	23.663294	21.901239	19.154957	20.622766	21.473542
2229.85005	45555.5753	106393.07	137870.208	288413.937	228617.748	104670.295	118524.146	19855.1334	-6560.8877	47934.4161
2229.85005	45555.5753	106393.07	137870.208	288413.937	228617.748	104670.295	118524.146	19855.1334	-6560.8877	47934.4161
7303.93772	7083.3656	7329.63053	7528.23616	11856.3316	9040.36273	9214.92688	7736.44965	7932.58536	7465.3312	8073.81345
290264.579	281399.176	293930.465	299254.3	466510.517	358353.606	367390.955	311308.089	322064.993	301780.824	325498.565
0.19	0.17	0.08		0.03	0.04	0.1	0.22	0.24	0.12	
-43553.571	-85321.367	-147459.01	-179583.11	-352068.7	-277588.22	-155024.55	-162730.76	-64851.417	-35255.096	-92255.813
-59013.005	-96965.999	-148035.11	-179583.25	-352111.85	-277882.39	-157466.69	-194610.42	-81996.409	-44832.956	-92267.432
17.07	17.02	22.75	19.23	18.58	15.66	16.65	17.08	23.83	18.9	21.79
75834.4545	74732.3972	100556.119	109279.128	113733.748	93202.4594	89994.6956	75823.1098	85960.0883	80024.9936	98612.558
1.4	1.58	1.23	1.31	1.56	1.32	1.54	1.21	1.64	1.35	1.35
33028.9546	37275.5344	29018.2958	30905.6646	37539.7661	31764.4174	37058.487	29117.3827	39464.8823	32486.336	32486.336
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
291652.738	280707.92	289211.08	294210.449	458480.062	352374.446	362558.507	318396.609	323950.692	301484.587	320017.533

7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
33028.9546	37275.5344	29018.2958	30905.6646	37539.7661	31764.4174	37058.487	29117.3827	39464.8823	32486.336	32486.336
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
5004.87454	4817.84672	4914.1552	5043.91946	8062.8348	6150.4096	6291.59664	5480.56608	5522.75736	5160.64104	5490.35536
0.22	0.24	0.08		0.03	0.05	0.28	0.6	0.36	0.4	
2.55	0.9	1.05	0.9	4.05	5.25	4.2	2.4	2.1	2.85	4.65
0.02489	0.013126	0.006081	0.01326	0.029126	0.055838	0.044879	0.040656	0.048423	0.036251	0.033367
0.024088	0.013111	0.006081	0.013061	0.028799	0.053551	0.043341	0.039945	0.047594	0.035326	0.03218
531.105531	322.202916	177.007406	1569.72501	3416.31066	3082.91089	1313.85363	364.864331	307.753208	1257.8097	6902.30013
1.844249	1.22412	0.630061	4.503905	10.260729	9.6464	4.72745	1.439525	1.236987	3.90527	19.059662
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
0.036223	0.035877	0.032908	0.023647	0.023333	0.030625	0.039489	0.039239	0.030023	0.026576	0.027526
1942.5	1035.3	531.3	1075.2	2467.5	3958.5	3567.9	3087	4237.8	2730	2541
19943.5577	14602.8718	15433.4055	26679.1343	22297.1499	36295.0549	28774.4528	30063.3509	32900.1391	18777.0504	22155.4932
1.231517	0.642915	1.267209	0.800128	1.856798	2.655494	1.688721	1.205082	0.968013	1.119018	2.132318
64.38407	25.438154	17.999868	102.655966	407.456982	367.82237	266.341404	28.05297	45.627489	203.919702	869.143984
5181.26	5075.14	5632.34	5358.22	5578.72	4777.08	5271.28	4949.84	5757.78	5015.08	5119.1
13.492864	13.497712	13.50681	13.668928	13.673333	13.57125	13.481534	13.450652	13.579669	13.627934	13.614627
5376	5264	5824	5488	5712	4928	5488	5152	5936	5152	5264
14	14	13.966426	14	14	14	14.035805	14	14	14	14
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
18.623047	9.647875	19.064867	12.001925	28.509482	40.314237	25.641626	18.101667	14.581277	16.804383	32.165654
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19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
28135.2424	17637.2751	17969.3282	31638.3794	26179.325	48342.6936	38992.2509	55357.9222	48889.1491	27718.6239	30112.2809
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
28135.2424	17637.2751	17969.3282	31638.3794	26179.325	48342.6936	38992.2509	55357.9222	48889.1491	27718.6239	30112.2809
115.25	92.24	84.16	84.76	171.4	175.61	151.51	104.1	127.57	114.88	184.62
19464.9522	14291.1689	15277.3981	25109.4093	19059.3393	33359.144	27544.5992	29719.4865	32665.8859	17540.2407	15295.1931
27487.0488	17288.2711	17783.3768	29777.0026	22069.0131	44067.1598	37286.8637	54626.8843	48157.6602	25889.6938	20471.5789
2.359418	0.836418	0.97167	0.822384	3.429462	4.799061	3.839469	2.234958	1.954935	2.575921	3.256694
125.207728	67.324123	34.220008	64.836268	137.336201	239.378508	220.103906	203.929801	279.478167	168.405353	111.457067
132.08791	268.881681	194.118016	235.615091	116.883313	137.255142	102.55733	135.733718	100.342311	92.168008	111.575063
9.246153	5.377633	3.88236	11.780754	15.19483	31.568682	14.358026	2.714674	5.017115	12.903521	31.241017

129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
0.337239	0.183563	0.08494	0.182857	0.403186	0.749715	0.608337	0.559239	0.66632	0.494565	0.450531
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
4.292271	1.695876	1.199991	6.843731	27.163798	24.521491	17.756093	1.870198	3.041832	13.594646	57.942932
531.105531	322.202916	177.007406	1569.72501	3416.31066	3082.91089	1313.85363	364.864331	307.753208	1257.8097	6902.30013
3.37	1.94	1.48	2.09	5.87	5.88	5.74	2.81	5.78	3.45	2.91
-8139.1847	-3023.9033	-2514.9227	-4959.2451	-3703.675	-11900.639	-10133.798	-25273.571	-15915.51	-8920.5736	-7914.7876
-35626.233	-20312.174	-20298.299	-34736.248	-25772.688	-55967.799	-47420.662	-79900.456	-64073.17	-34810.267	-28386.367
0.09	0.08	0.07	0.19	0.64	0.47	0.19		0.06	0.31	1.35
2372.9026	1170.5005	696.7512	1675.8467	3874.608	5797.0927	4700.3037	3547.4686	4819.0996	3481.8449	4084.1487
0.05	0.01	0.02		0.17	0.14	0.08	0.02	0.07	0.02	0.04
52.5	10.5	21		178.5	147	84	21	73.5	21	42
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
19943.5577	14602.8718	15433.4055	26679.1343	22297.1499	36295.0549	28774.4528	30063.3509	32900.1391	18777.0504	22155.4932
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
52.5	10.5	21		178.5	147	84	21	73.5	21	42
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
0.03		0.05	0.01	0.67	0.79	0.35		0.04	0.16	0.16
11.47312	11.456962	11.549908	11.512513	11.11186	11.241886	11.303412	11.378806	11.497199	11.421515	11.375292
0.284664	0.278587	0.257574	0.274838	0.38458	0.355757	0.334703	0.30765	0.288489	0.298224	0.306693
0.273443	0.267315	0.248504	0.265019	0.371195	0.341781	0.322249	0.295751	0.27655	0.288001	0.294378
1341700.32	1287309.55	1492782.17	1570521.17	2172620.74	1680377.5	1644236.45	1282378.38	1448034.68	1396126.54	1685607.44
5761.78091	5408.19921	5409.9356	4853.26772	6673.26658	5422.8386	6025.83359	5356.59788	6077.38542	5535.27518	5446.39543
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
0.037014	0.03632	0.0335	0.033455	0.033493	0.035568	0.03467	0.036353	0.036691	0.033767	0.036764
432915.852	414140.774	430251.005	429432.108	603800.667	486056.966	513001.563	446378.627	485218.276	435510.769	452905.627
902821.515	877274.476	987441.31	988861.251	1367642.62	1168874.66	1122747.54	1002977.15	1056463.05	886665.697	977478.847
3.556343	3.587167	3.641581	3.618979	3.74468	3.782303	3.652633	3.661988	3.624551	3.584301	3.648913
735736.287	716130.663	751612.582	745636.918	1021092.92	805238.662	859866.451	757354.425	809521.987	738097.82	768462.09
2646.29761	1028.56753	1731.01628	4607.7596	16001.8023	11899.9427	7113.80057	1001.93533	2046.40336	5500.55301	17171.5937
135247.929	132382.7	147276.806	138867.162	144547.801	124252.73	138489.714	129741.124	149289.299	130241.184	132643.065
352.208148	352.081648	353.181788	354.252964	354.283825	352.99071	354.193641	352.557402	352.097403	353.91626	352.774109

140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6
367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
220.593137	210.173448	234.963836	227.685641	259.540546	330.34427	299.201032	260.915868	213.203729	205.533192	271.736307
42.409756	42.60796	43.523088	43.170996	43.307607	44.195597	42.980951	43.312082	43.331507	42.611306	43.173936
1759778.31	1712447.77	1850691.63	1846784.57	2555983.93	2111648.51	2127978.81	1879142.23	2009230.27	1746311.49	1872866.51
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
165324.749	274000.198	552808.729	604128.682	1486011.05	1178459.59	670890.575	748025.753	276861.425	151026.037	357932.583
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
1523.53	1438.45	1530.66	1491.62	1887.19	1700.34	1761.54	1507.06	1666.13	1520.35	1835.01
368093.041	371745.587	311518.034	229656.633	329536.331	384248.339	430194.005	552595.69	502234.319	302373.264	138707.177
629956.938	651960.142	540109.927	345655.763	469949.298	612695.963	688778.833	1150492.78	914170.203	500567.835	204924.781
5.184128	3.770896	2.167045	1.212359	7.901305	5.801587	6.397749	6.734211	5.027338	6.959167	2.840051
5552.65959	5207.7868	2216.85167	1241.13164	3956.41758	4326.70903	6372.09423	8535.47557	7968.81925	5160.21163	1498.44404
25.565703	25.024806	28.835573	32.581833	50.28475	46.467837	35.726204	28.846602	23.93621	29.961976	41.457072
24.38444	24.749618	28.765297	32.556113	50.172972	46.456708	35.63354	27.951958	23.463375	29.360656	41.453302
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
100.381125	98.131462	91.007074	97.288841	136.265764	125.467823	118.600388	108.570211	101.521849	105.725353	108.06651
-49405.903	64808.0077	333863.62	386685.273	1191589.4	946377.162	422655.146	529683.766	42792.165	-62772.391	135937.663
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32993.6924	31689.6432	35733.0983	36896.0944	51640.0144	39837.965	40000.6578	31418.3624	35076.4448	33746.7184	39134.564
1341700.32	1287309.55	1492782.17	1570521.17	2172620.74	1680377.5	1644236.45	1282378.38	1448034.68	1396126.54	1685607.44
42.47	37.34	27.24	21	61.62	51.66	56.76	45.43	48.01	37.21	24.12
-165324.75	-274000.2	-552808.73	-604128.68	-1486011	-1178459.6	-670890.58	-748025.75	-276861.42	-151026.04	-357932.58
-795281.69	-925960.34	-1092918.7	-949784.44	-1955960.3	-1791155.6	-1359669.4	-1898518.5	-1191031.6	-651593.87	-562857.36
305.79	303.25	375.45	364.53	324.17	282.33	299.69	264.86	335.18	295.34	343.14
254693.21	247754.782	323463.597	359455.378	388405.62	324508.982	312216.617	256562.685	294039.911	269784.744	333414.84
4.84	4.52	5.66	4.08	4.9	4.58	4.49	4.73	4.59	3.59	3.98
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43
1638557.8	1593405.14	1739053.89	1734498.17	2388735.54	1974113.32	1982613.99	1760331.58	1865985.04	1624763.52	1745940.94
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767

1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43
70953.8418	65515.536	65111.2241	65634.5467	112560.289	89929.1689	91487.0137	74434.288	83970.0434	73585.814	78177.8936
35.3	34.84	12.89	6.46	21.65	17.7	35.39	57.53	40.59	35.4	8.6

2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
344154.284	342528.846	621814.397	928749.968	1036297.66	755124.125	525226.821	271241.134	321861.746	457026.897	993558.246
1403.91194	1399.08128	2207.63548	2809.13112	3139.81254	2388.42162	1890.97701	1109.77397	1326.62784	1697.4778	3102.39911
-89487.383	-89693.673	-114905.31	-127216.15	-132771.51	-109303.19	-106713.42	-87952.434	-101184	-93063.135	-115610.1
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
344154.284	342528.846	621814.397	928749.968	1036297.66	755124.125	525226.821	271241.134	321861.746	457026.897	993558.246
305.24	303.07	375.36	364.04	323.43	281.96	299.09	263.87	334.21	294.57	342.81
195.306716	170.910638	212.333902	259.031584	230.447651	232.077044	190.074304	154.769072	166.453606	215.890333	276.519165
75.024208	72.228382	103.444051	141.949947	106.979052	111.505781	84.107072	61.905113	70.239548	84.08163	138.701286
24990.8218	23234.317	41022.9597	54018.116	38896.1255	34478.5078	28347.8852	17449.951	25056.8923	27191.9779	49853.8928
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-233.04006	-238.547	-275.55229	-324.53099	-325.42037	-310.52043	-272.92434	-239.00118	-238.64151	-252.88895	-307.47366
-2524080.9	-2735419.9	-3690508.3	-4264739.4	-6811375.7	-5076177.2	-4084578.3	-3173682.5	-2861021	-2806642.7	-3889364.1
-27.915206	-30.567069	-32.253251	-33.633668	-51.409198	-46.620722	-38.259117	-35.933461	-28.359341	-30.325865	-33.642905
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2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2868235.22	3077948.78	4312322.73	5193489.39	7847673.36	5831301.33	4609805.1	3444923.67	3182882.7	3263669.62	4882922.3
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05

2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
344154.284	342528.846	621814.397	928749.968	1036297.66	755124.125	525226.821	271241.134	321861.746	457026.897	993558.246
1403.91194	1399.08128	2207.63548	2809.13112	3139.81254	2388.42162	1890.97701	1109.77397	1326.62784	1697.4778	3102.39911
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89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
344154.284	342528.846	621814.397	928749.968	1036297.66	755124.125	525226.821	271241.134	321861.746	457026.897	993558.246
305.24	303.07	375.36	364.04	323.43	281.96	299.09	263.87	334.21	294.57	342.81
195.306716	170.910638	212.333902	259.031584	230.447651	232.077044	190.074304	154.769072	166.453606	215.890333	276.519165

75.024208	72.228382	103.444051	141.949947	106.979052	111.505781	84.107072	61.905113	70.239548	84.08163	138.701286
24990.8218	23234.317	41022.9597	54018.116	38896.1255	34478.5078	28347.8852	17449.951	25056.8923	27191.9779	49853.8928
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-233.04006	-238.547	-275.55229	-324.53099	-325.42037	-310.52043	-272.92434	-239.00118	-238.64151	-252.88895	-307.47366
-2524080.9	-2735419.9	-3690508.3	-4264739.4	-6811375.7	-5076177.2	-4084578.3	-3173682.5	-2861021	-2806642.7	-3889364.1
-27.915206	-30.567069	-32.253251	-33.633668	-51.409198	-46.620722	-38.259117	-35.933461	-28.359341	-30.325865	-33.642905
-2524080.9	-2735419.9	-3690508.3	-4264739.4	-6811375.7	-5076177.2	-4084578.3	-3173682.5	-2861021	-2806642.7	-3889364.1
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2868235.22	3077948.78	4312322.73	5193489.39	7847673.36	5831301.33	4609805.1	3444923.67	3182882.7	3263669.62	4882922.3
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05

3844.71716	4453.73658	4737.52613	4353.8937	5180.01879	4072.6352	4038.63274	4122.85442	4726.97752	3661.75473	2955.48333
105068.099	134390.188	147844.281	146312.964	268634.131	192713.648	150005.109	154174.521	134092.636	108632.103	93915.3347

19.927335	16.522511	22.297107	13.247148	34.242894	27.971876	12.269874	58.674575	18.369566	24.80667	37.10744
0.996366	1.3218	0.668913	0.132471	2.054573	1.118875	0.368096	0.586745	0.734782	0.496133	1.113223
3844.71716	4453.73658	4737.52613	4353.8937	5180.01879	4072.6352	4038.63274	4122.85442	4726.97752	3661.75473	2955.48333
10.012284	11.845044	11.360973	11.106871	12.696124	11.569986	10.328983	11.203408	11.148531	9.95042	7.860327
105068.099	134390.188	147844.281	146312.964	268634.131	192713.648	150005.109	154174.521	134092.636	108632.103	93915.3347
105068.099	134390.188	147844.281	146312.964	268634.131	192713.648	150005.109	154174.521	134092.636	108632.103	93915.3347
3844.71716	4453.73658	4737.52613	4353.8937	5180.01879	4072.6352	4038.63274	4122.85442	4726.97752	3661.75473	2955.48333

-105068.1	-134390.19	-147844.28	-146312.96	-268634.13	-192713.65	-150005.11	-154174.52	-134092.64	-108632.1	-93915.335
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0.44	0.57	0.42	0.01	0.56	0.31	0.13	0.18	0.22	0.05	0.14
89487.3831	89693.6732	114905.307	123800.283	132771.512	106922.143	103630.25	87952.4344	101184	90545.422	109172.722
3844.71716	4453.73658	4737.52613	4353.8937	5180.01879	4072.6352	4038.63274	4122.85442	4726.97752	3661.75473	2955.48333
3844.71716	4453.73658	4737.52613	4353.8937	5180.01879	4072.6352	4038.63274	4122.85442	4726.97752	3661.75473	2955.48333
105068.099	134390.188	147844.281	146312.964	268634.131	192713.648	150005.109	154174.521	134092.636	108632.103	93915.3347
105068.099	134390.188	147844.281	146312.964	268634.131	192713.648	150005.109	154174.521	134092.636	108632.103	93915.3347

6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159
6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
16.816779	18.764247	19.237555	19.617137	20.645636	21.203634	21.034745	23.083019	21.054344	17.191854	13.610484
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159
6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
-178711.96	-214412.97	-255292.49	-257692.76	-433010.05	-347604.57	-310810.98	-303744.19	-251682.1	-185954.49	-166654.16
-178711.96	-214412.97	-255292.49	-257692.76	-433010.05	-347604.57	-310810.98	-303744.19	-251682.1	-185954.49	-166654.16
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159

7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102

						10.718706				
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7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
18.906859	21.105092	21.615454	22.044933	23.199746	23.821691	23.638389	25.908019	23.649842	19.354314	15.272061
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
-201016.12	-241149.89	-286790.77	-289679.79	-486601.72	-390524.73	-349266.19	-340880.39	-282709.84	-209285.23	-187018.1
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89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
3835.09636	4344.7868	4596.60324	4266.42719	5132.18021	3971.34306	3924.1702	4068.86248	4618.94193	3752.40748	2952.63644
104745.857	130837.133	143355.456	143117.952	266086.698	187562.791	145851.561	151764.701	130409.996	110752.704	93549.2952
3835.09636	4344.7868	4596.60324	4266.42719	5132.18021	3971.34306	3924.1702	4068.86248	4618.94193	3752.40748	2952.63644
9.98723	11.555284	11.023029	10.883742	12.578873	11.282224	10.03624	11.056691	10.89373	10.196759	7.852756
104745.857	130837.133	143355.456	143117.952	266086.698	187562.791	145851.561	151764.701	130409.996	110752.704	93549.2952
104745.857	130837.133	143355.456	143117.952	266086.698	187562.791	145851.561	151764.701	130409.996	110752.704	93549.2952
3835.09636	4344.7868	4596.60324	4266.42719	5132.18021	3971.34306	3924.1702	4068.86248	4618.94193	3752.40748	2952.63644
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-104745.86	-130837.13	-143355.46	-143117.95	-266086.7	-187562.79	-145851.56	-151764.7	-130410	-110752.7	-93549.295
89487.3831	89693.6732	114905.307	127216.149	132771.512	106802.062	103493.048	87952.4344	101184	90450.9834	109807.965
3835.09636	4344.7868	4596.60324	4266.42719	5132.18021	3971.34306	3924.1702	4068.86248	4618.94193	3752.40748	2952.63644
3835.09636	4344.7868	4596.60324	4266.42719	5132.18021	3971.34306	3924.1702	4068.86248	4618.94193	3752.40748	2952.63644
104745.857	130837.133	143355.456	143117.952	266086.698	187562.791	145851.561	151764.701	130409.996	110752.704	93549.2952
104745.857	130837.133	143355.456	143117.952	266086.698	187562.791	145851.561	151764.701	130409.996	110752.704	93549.2952
3622.20019	4272.79007	4617.47375	3985.20809	4868.5172	3842.75313	4019.68028	3924.60344	4541.35585	3441.94717	2751.58509
100369.127	128764.09	143182.5	133883.193	252955.89	180557.148	149895.806	146854.53	128357.345	102599.673	87758.7993
3622.20019	4272.79007	4617.47375	3985.20809	4868.5172	3842.75313	4019.68028	3924.60344	4541.35585	3441.94717	2751.58509
9.432812	11.363803	11.073078	10.166347	11.93264	10.916912	10.280512	10.664683	10.710744	9.353117	7.318045
100369.127	128764.09	143182.5	133883.193	252955.89	180557.148	149895.806	146854.53	128357.345	102599.673	87758.7993
100369.127	128764.09	143182.5	133883.193	252955.89	180557.148	149895.806	146854.53	128357.345	102599.673	87758.7993
3622.20019	4272.79007	4617.47375	3985.20809	4868.5172	3842.75313	4019.68028	3924.60344	4541.35585	3441.94717	2751.58509
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89487.3831	89693.6732	114905.307	122693.228	132771.512	109303.191	103574.868	87952.4344	101184	88370.879	115610.096
3622.20019	4272.79007	4617.47375	3985.20809	4868.5172	3842.75313	4019.68028	3924.60344	4541.35585	3441.94717	2751.58509
3622.20019	4272.79007	4617.47375	3985.20809	4868.5172	3842.75313	4019.68028	3924.60344	4541.35585	3441.94717	2751.58509
100369.127	128764.09	143182.5	133883.193	252955.89	180557.148	149895.806	146854.53	128357.345	102599.673	87758.7993
100369.127	128764.09	143182.5	133883.193	252955.89	180557.148	149895.806	146854.53	128357.345	102599.673	87758.7993
2981.58951	2472.92358	3008.16794	3406.73949	3782.39324	3455.95979	3891.04774	4082.03584	3528.63532	3800.16572	3875.53663
86551.3962	73670.4391	93865.1049	114749.315	200637.581	160278.591	146361.139	145756.106	100015.433	111785.485	129428.908
2981.58951	2472.92358	3008.16794	3406.73949	3782.39324	3455.95979	3891.04774	4082.03584	3528.63532	3800.16572	3875.53663
7.764556	6.576924	7.213831	8.690661	9.270571	9.818067	9.951528	11.092488	8.322253	10.326537	10.307278

86551.3962	73670.4391	93865.1049	114749.315	200637.581	160278.591	146361.139	145756.106	100015.433	111785.485	129428.908
86551.3962	73670.4391	93865.1049	114749.315	200637.581	160278.591	146361.139	145756.106	100015.433	111785.485	129428.908
2981.58951	2472.92358	3008.16794	3406.73949	3782.39324	3455.95979	3891.04774	4082.03584	3528.63532	3800.16572	3875.53663
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89487.3831	82563.456	114905.307	127216.149	132771.512	109303.191	104944.357	86943.3078	92947.9403	93063.1354	115610.096
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2981.58951	2472.92358	3008.16794	3406.73949	3782.39324	3455.95979	3891.04774	4082.03584	3528.63532	3800.16572	3875.53663
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86551.3962	73670.4391	93865.1049	114749.315	200637.581	160278.591	146361.139	145756.106	100015.433	111785.485	129428.908
3501.38851	4234.60416	4153.77226	3958.13844	5383.34638	3795.11257	5024.14642	4857.06267	4680.17688	4019.17399	3226.56023
100757.895	127623.45	126977.683	137292.98	284473.004	175926.496	187536.467	173727.967	130986.948	115635.538	103596.772
3501.38851	4234.60416	4153.77226	3958.13844	5383.34638	3795.11257	5024.14642	4857.06267	4680.17688	4019.17399	3226.56023
9.118199	11.262245	9.961084	10.097291	13.194476	10.781569	12.849479	13.198539	11.038153	10.921668	8.581277
100757.895	127623.45	126977.683	137292.98	284473.004	175926.496	187536.467	173727.967	130986.948	115635.538	103596.772
100757.895	127623.45	126977.683	137292.98	284473.004	175926.496	187536.467	173727.967	130986.948	115635.538	103596.772
3501.38851	4234.60416	4153.77226	3958.13844	5383.34638	3795.11257	5024.14642	4857.06267	4680.17688	4019.17399	3226.56023
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89215.3801	89693.6732	114801.783	126213.954	131855.109	107377.995	106713.416	87952.4344	101184	92895.7849	114193.587
3501.38851	4234.60416	4153.77226	3958.13844	5383.34638	3795.11257	5024.14642	4857.06267	4680.17688	4019.17399	3226.56023

3501.38851	4234.60416	4153.77226	3958.13844	5383.34638	3795.11257	5024.14642	4857.06267	4680.17688	4019.17399	3226.56023
100757.895	127623.45	126977.683	137292.98	284473.004	175926.496	187536.467	173727.967	130986.948	115635.538	103596.772
100757.895	127623.45	126977.683	137292.98	284473.004	175926.496	187536.467	173727.967	130986.948	115635.538	103596.772

31502.8689	34769.713	38149.2485	36301.9387	42235.372	34986.7183	38364.8733	39084.121	41050.663	32124.4391	26621.639
877220.458	1050848.16	1197308.29	1222728.96	2192399.07	1635167.97	1439727.26	1416902.4	1158254.29	944645.23	861921.371

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31502.8689	34769.713	38149.2485	36301.9387	42235.372	34986.7183	38364.8733	39084.121	41050.663	32124.4391	26621.639
82.038721	92.47264	91.485008	92.606986	103.518068	99.394086	98.11988	106.20685	96.817601	87.294671	70.802231
877220.458	1050848.16	1197308.29	1222728.96	2192399.07	1635167.97	1439727.26	1416902.4	1158254.29	944645.23	861921.371
877220.458	1050848.16	1197308.29	1222728.96	2192399.07	1635167.97	1439727.26	1416902.4	1158254.29	944645.23	861921.371
31502.8689	34769.713	38149.2485	36301.9387	42235.372	34986.7183	38364.8733	39084.121	41050.663	32124.4391	26621.639

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0.44	0.57	0.42	0.01	0.56	0.31	0.16	0.18	0.22	0.05	0.14
626139.679	620725.495	804233.622	881572.061	928484.181	758314.964	735782.771	614657.914	700051.94	641452.476	795614.656

31502.8689	34769.713	38149.2485	36301.9387	42235.372	34986.7183	38364.8733	39084.121	41050.663	32124.4391	26621.639

31502.8689	34769.713	38149.2485	36301.9387	42235.372	34986.7183	38364.8733	39084.121	41050.663	32124.4391	26621.639
877220.458	1050848.16	1197308.29	1222728.96	2192399.07	1635167.97	1439727.26	1416902.4	1158254.29	944645.23	861921.371
877220.458	1050848.16	1197308.29	1222728.96	2192399.07	1635167.97	1439727.26	1416902.4	1158254.29	944645.23	861921.371

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0.273443	0.267315	0.248504	0.265019	0.371195	0.341781	0.322249	0.295751	0.27655	0.288001	0.294378
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
1685854.61	1629838.4	2114596.56	2499271.14	3208918.4	2435501.63	2169463.27	1553619.51	1769896.43	1853153.43	2679165.68
7165.69285	6807.28049	7617.57108	7662.39883	9813.07912	7811.26022	7916.8106	6466.37184	7404.01325	7232.75299	8548.79454
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0.037014	0.03632	0.0335	0.033455	0.033493	0.035568	0.03467	0.036353	0.036691	0.033767	0.036764
432915.852	414140.774	430251.005	429432.108	603800.667	486056.966	513001.563	446378.627	485218.276	435510.769	452905.627
902821.515	877274.476	987441.31	988861.251	1367642.62	1168874.66	1122747.54	1002977.15	1056463.05	886665.697	977478.847
3.556343	3.587167	3.641581	3.618979	3.74468	3.782303	3.652633	3.661988	3.624551	3.584301	3.648913
735736.287	716130.663	751612.582	745636.918	1021092.92	805238.662	859866.451	757354.425	809521.987	738097.82	768462.09
2646.29761	1028.56753	1731.01628	4607.7596	16001.8023	11899.9427	7113.80057	1001.93533	2046.40336	5500.55301	17171.5937
135247.929	132382.7	147276.806	138867.162	144547.801	124252.73	138489.714	129741.124	149289.299	130241.184	132643.065
352.208148	352.081648	353.181788	354.252964	354.283825	352.99071	354.193641	352.557402	352.097403	353.91626	352.774109
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6
367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
220.593137	210.173448	234.963836	227.685641	259.540546	330.34427	299.201032	260.915868	213.203729	205.533192	271.736307
42.409756	42.60796	43.523088	43.170996	43.307607	44.195597	42.980951	43.312082	43.331507	42.611306	43.173936
1759778.31	1712447.77	1850691.63	1846784.57	2555983.93	2111648.51	2127978.81	1879142.23	2009230.27	1746311.49	1872866.51
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
165324.749	274000.198	552808.729	604128.682	1486011.05	1178459.59	670890.575	748025.753	276861.425	151026.037	357932.583
2802323.52	3037296.12	3600808.65	3673642.21	6234394.04	4925276.07	4238596.64	4044070.39	3444345.99	2841982.75	3092720.46
1523.53	1438.45	1530.66	1491.62	1887.19	1700.34	1761.54	1507.06	1666.13	1520.35	1835.01
368093.041	371745.587	311518.034	229656.633	329536.331	384248.339	430194.005	552595.69	502234.319	302373.264	138707.177
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
344154.284	342528.846	621814.397	928749.968	1036297.66	755124.125	525226.821	271241.134	321861.746	457026.897	993558.246
305.24	303.07	375.36	364.04	323.43	281.96	299.09	263.87	334.21	294.57	342.81
195.306716	170.910638	212.333902	259.031584	230.447651	232.077044	190.074304	154.769072	166.453606	215.890333	276.519165

3.948642	3.801493	5.444423	7.471049	7.131936	5.868725	4.426688	3.258163	3.696818	5.255101	7.300067
24,991	23,234	41,023	54,018	38,896	34,479	28,348	17,450	25,057	27,192	49,854
629956.938	651960.142	540109.927	345655.763	469949.298	612695.963	688778.833	1150492.78	914170.203	500567.835	204924.781
3.001337	2.18315	1.254605	0.701892	3.687275	3.358813	3.70396	3.898753	2.910564	3.479583	1.64424
5,553	5,208	2,217	1,241	3,956	4,327	6,372	8,535	7,969	5,160	1,498
25.511365	25.002307	28.844746	32.586343	50.341699	46.274248	35.68172	28.847433	23.94256	29.930374	41.489031
24.333054	24.732521	28.774602	32.560623	50.230261	46.263141	35.589249	27.953266	23.473087	29.330317	41.485267
-19438.162	-18026.53	-38806.108	-52776.984	-34939.708	-30151.799	-21975.791	-8914.4754	-17088.073	-22031.766	-48355.449
-50.620213	-47.942899	-93.060211	-134.63516	-85.636538	-85.658519	-56.204068	-24.224117	-40.302059	-59.86893	-128.60492
-1696266.4	-1619763.8	-2159336.4	-2655325.2	-3427387.2	-2494632.1	-2222195.9	-1227096.4	-1659974.5	-1924769.9	-2891505
-19.046367	-18.039873	-18.779559	-20.882348	-25.818436	-22.796461	-20.804185	-13.976848	-16.380571	-20.658548	-24.961156
-1696266.4	-1619763.8	-2159336.4	-2655325.2	-3427387.2	-2494632.1	-2222195.9	-1227096.4	-1659974.5	-1924769.9	-2891505
64496.5613	66459.3562	73882.3468	73198.033	93875.3864	74824.6833	78365.5311	70502.4834	76127.1077	65871.1575	65756.203
1341700.32	1287309.55	1492782.17	1570521.17	2172620.74	1680377.5	1644236.45	1282378.38	1448034.68	1396126.54	1685607.44
1481535.73	1410571.57	1940391.32	2437881.78	3132965.58	2262549.64	1973960.44	1008754.38	1425905.24	1710971.45	2669510.1
1195733.07	1101140.28	2022095.79	3020975.98	3699313.94	2404977.81	1810408.43	129502.727	833596.784	1667430.51	3458143.56
970320.271	958173.95	1242602.53	1368243.59	1449661.31	1192127.14	1154712.8	959173.033	1095275.85	1004300.36	1244639.59
4.84	4.52	5.66	4.08	4.9	4.58	4.49	4.73	4.59	3.59	3.98
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
4498589.9	4657059.89	5760145.08	6328967.4	9661781.27	7419908.15	6460792.51	5271166.75	5104320.49	4766752.63	5984225.48
4498589.9	4657059.89	5760145.08	6328967.4	9661781.27	7419908.15	6460792.51	5271166.75	5104320.49	4766752.63	5984225.48
1638557.8	1593405.14	1739053.89	1734498.17	2388735.54	1974113.32	1982613.99	1760331.58	1865985.04	1624763.52	1745940.94
70049.2209	71667.143	76099.1985	74439.1647	97831.804	79151.3923	84737.6253	79037.959	84095.927	71031.3691	67254.647
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
4498589.9	4657059.89	5760145.08	6328967.4	9661781.27	7419908.15	6460792.51	5271166.75	5104320.49	4766752.63	5984225.48
70953.8418	65515.536	65111.2241	65634.5467	112560.289	89929.1689	91487.0137	74434.288	83970.0434	73585.814	78177.8936
31502.8689	34769.713	38149.2485	36301.9387	42235.372	34986.7183	38364.8733	39084.121	41050.663	32124.4391	26621.639
877220.458	1050848.16	1197308.29	1222728.96	2192399.07	1635167.97	1439727.26	1416902.4	1158254.29	944645.23	861921.371
877220.458	1050848.16	1197308.29	1222728.96	2192399.07	1635167.97	1439727.26	1416902.4	1158254.29	944645.23	861921.371

2037-08	2037-09	2037-10	2037-11	2037-12
32.07465	28.2247	31.304719	32.944695	34.384734
21.139625	21.139599	21.139574	21.1396	21.139524
31.946823	28.096853	31.176864	32.81685	34.256873
32.045151	28.195197	31.275214	32.915192	34.355228
31.30769	27.457618	30.537591	32.177625	33.617569
31.592842	27.742815	30.822805	32.462817	33.902797
$ 32.03	$ 28.18	$ 31.26	$ 32.90	$ 34.34
$ 32.06	$ 28.21	$ 31.29	$ 32.93	$ 34.37

26.701925	26.701925	26.701925	26.701925	26.701925
1.69	1.69	1.69	1.69	1.69
31.76	27.91	30.99	32.63	34.07
6.01184	5.990032	6.069802	7.069533	7.87312
25.863404	23.294928	25.35491	26.531552	27.558519
25.863404	23.294928	25.35491	26.531552	27.558519
0.27788	0.41682		0.13894	0.13894
0.001023	0.003915		0.000311	0.000405
0.001023	0.003912		0.000311	0.000362
882.390745			17.601774	
2.363043			0.060834	
9.4	33.8		2.8	3.2
0.025171	0.04013	0.027831	0.025775	0.022959
130.6036	469.6172		38.9032	44.4608
3487.36761	12539.6835		1038.79035	1187.18897
0.566638	0.849957		0.283319	0.283319
212.883868	765.476036		63.412216	72.471104
8948.925	8293.275	8574.525	8768.025	8617.5
21.933639	21.59707	21.873788	21.865399	21.983418
9180	8640	8820	9000	8820
22.5	22.5	22.5	22.44389	22.5
9.4	33.8		2.8	3.2
7.903275	11.860176		3.951637	3.951637
7.903275	11.860176		3.951637	3.951637
3714.53948	13368.6409		1106.45857	1264.52408
4024.12923	17156.2713		1231.38821	1377.87213
309.589749	3787.63042		124.929638	113.348054

4024.12923	17156.2713		1231.38821	1377.87213
14.22	17.89	6.7	7.52	8.62
2832.14874	13368.6409		1088.85679	1264.52408
3054.65231	17156.2713		1213.77374	1377.87213
0.366717	0.6		0.196818	0.2
7.167025	33.8		2.755457	3.2
401.452291			395.163774	
8.029045			3.951637	
9.4	33.8		2.8	3.2
0.023039	0.08802		0.006982	0.008163
309.589749	3787.63042		124.929638	113.348054
309.589749	3787.63042		124.929638	113.348054
2.232974			0.044542	
882.390745			17.601774	
0.21	0.35		0.04	0.06
-309.58975	-3787.6304		-124.92964	-113.34805
-3364.2421	-20943.902		-1338.7034	-1491.2202
0.05				
153.7567	367.9364		40.2078	58.7418
	0.01			
	12.1053			
3714.53948	13368.6409		1106.45857	1264.52408
3714.53948	13368.6409		1106.45857	1264.52408
3700.25148	13305.1596		1102.20257	1259.66008
9.4	33.8		2.8	3.2
	12.1053			
3714.53948	13368.6409		1106.45857	1264.52408
14.288	51.376		4.256	4.864
2.91989	2.35475	1.78961	2.35475	1.41285
0.07643	0.065797	0.055428	0.051942	0.050973
0.073872	0.064609	0.054081	0.05085	0.049056
96503.9263	22138.0098	11310.2444	35925.4134	76686.6724
302.005702	81.468086	45.73571	122.650011	227.407391
1748.12	1438.98	1229.6	1179.72	1115.34

0.028651	0.036276	0.029897	0.032775	0.027576
16465.5423	13553.7526	11581.6024	11111.7827	10505.3875
139592.471	116114.742	117907.222	102702.051	115775.096
2.067855	1.862834	1.533667	2.062871	1.348753
10550.3321	2372.54001	1038.91142	3601.68509	6292.83115
22985.98	21464.06	22056.24	22439.62	22109.02
56.338186	55.895989	56.265918	55.959152	56.400561
23664	22272	22736	23200	22736
58	58	58	57.855361	58
1748.12	1438.98	1229.6	1179.72	1115.34
22.807861	20.299853	16.541487	22.225547	14.325014
22.807861	20.299853	16.541487	22.225547	14.325014
158212.344	131515.834	131058.977	115330.142	127664.484
240043.153	247633.077	179688.482	162741.444	204682.536
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
240043.153	247633.077	179688.482	162741.444	204682.536
179.08	99.77	125.4	137.94	118.39
61708.4179	109377.824	119748.733	79404.7289	50977.8121
90862.0582	209395.702	164535.977	116088.278	82484.4487
7.793433	12.994511	10.591959	11.283495	4.407566
628.0083	1187.09126	1119.30045	797.334917	447.240291
77.819568	79.638321	90.372606	92.475103	103.693606
24.121672	15.829705	14.455605	22.149289	14.505778
1748.12	1438.98	1229.6	1179.72	1115.34
4.284607	3.747343	3.136734	2.941945	2.845255
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
1120.1117	251.888737	110.299545	382.385082	668.099708
96503.9263	22138.0098	11310.2444	35925.4134	76686.6724
8.94	8.01	10.62	8.92	4.53
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-172692.87	-325512.94	-213165.48	-163499.58	-159502.5
6.55	1.01	0.54	2.13	3.08
9352.1981	5948.7575	5138.6903	5804.5279	6401.6448
0.13	0.24	0.19	0.2	0.1

72.3203	133.5144	105.6989	111.262	55.631
158212.344	131515.834	131058.977	115330.142	127664.484
158212.344	131515.834	131058.977	115330.142	127664.484
139592.471	116114.742	117907.222	102702.051	115775.096
1748.12	1438.98	1229.6	1179.72	1115.34
72.3203	133.5144	105.6989	111.262	55.631
158212.344	131515.834	131058.977	115330.142	127664.484
18547.5532	15267.5778	13046.056	12516.8292	11833.7574
0.19	0.17	1.45	0.75	0.01
11.295328	11.360406	11.321094	11.290319	11.271443
0.520966	0.489271	0.509767	0.530514	0.550999
0.505699	0.469097	0.490473	0.509209	0.535344
973230.928	735909.267	750928.095	883196.909	991908.481
3268.33755	3105.09157	3091.01445	3163.14929	3026.18539
22902.13	19994.816	21341.486	22608.89	23293.892
0.031764	0.042994	0.038928	0.04065	0.030408
255311.044	224377.69	238466.54	251469.44	258159.344
438088.048	384905.206	409471.038	431611.293	444815.179
3.711	3.711	3.711	3.711	3.711
515983.621	453467.311	481940.878	508219.737	521740.035
43849.44	40791.39	41818.14	42595.14	42188.88
107.474117	106.227578	106.678928	106.222294	107.624693
45288	42624	43512	44400	43512
111	111	111	110.723192	111
22902.13	19994.816	21341.486	22608.89	23293.892
44.398604	44.816068	44.652232	44.500152	44.347663
43.927263	44.167137	44.020822	43.906788	43.826898
1009529.26	890587.704	946156.444	997050.643	1023561.77
1064909.76	883545.757	950230.89	1059139.96	1156120.83
55380.5046	-7041.9476	4074.44619	62089.3133	132559.061
1064909.76	883545.757	950230.89	1059139.96	1156120.83
395.04	367.49	376.74	383.74	380.08
27503.8306	143202.687	183967.098	102699.734	22108.0384
56345.1616	329881.048	363291.099	195912.924	40987.3524

10.626396	27.482595	28.568843	17.640872	8.789046
644.177409	3341.72364	4320.2973	2422.07648	518.854977
24.385672	19.397342	23.207604	25.068078	27.046107
24.377966	18.289957	22.681107	25.000171	27.038423
22902.13	19994.816	21341.486	22608.89	23293.892
56.132671	52.069833	54.442566	56.381271	59.423193
-78070.578	-124324.17	-120572.01	-69353.763	-2380.8286
-78070.578	-124324.17	-120572.01	-69353.763	-2380.8286
22257.9526	16653.0924	17021.1887	20186.8135	22775.037
973230.928	735909.267	750928.095	883196.909	991908.481
6.68	12.26	23.63	24.12	8.37
-55380.505	7041.94757	-4074.4462	-62089.313	-132559.06
-111725.67	-322839.1	-367365.55	-258002.24	-173546.41
338.86	284.84	285.08	305.25	332.27
114801.728	84291.9927	88704.8375	103747.982	121717.214
0.82	1.07	1.05	1.04	0.89
8794.5	11475.75	11261.25	11154	9545.25
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
954071.668	838372.517	891411.916	939831.03	966555.214
22902.13	19994.816	21341.486	22608.89	23293.892
8794.5	11475.75	11261.25	11154	9545.25
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
46663.0899	40739.4376	43483.2777	46065.6134	47461.305
8.77	33.7	36.28	23.55	10.76
0.3	0.45		0.15	0.15
0.000514	0.003531		0.000315	0.00031
0.000514	0.003515		0.00025	0.00028
60.976719				
0.159216				
0.63	4.05		0.3	0.33
0.030147	0.033567	0.01829	0.028375	0.023418
9.45	60.75		4.5	4.95

252.333197	1622.14198		120.158665	132.174531
0.564664	0.846996		0.282332	0.282332
14.470785	93.026474		6.89085	7.579935
1187.1	1113.33	1154.49	1165.95	1148.46
2.909558	2.899296	2.945127	2.907605	2.929744
1224	1152	1176	1200	1176
3	3	3	2.992518	3
0.63	4.05		0.3	0.33
8.469967	12.704951		4.234983	4.234983
8.469967	12.704951		4.234983	4.234983
266.803982	1715.16846		127.049515	139.754466
285.052697	2155.26934		136.052462	145.870612
18.248715	440.100882		9.002946	6.116145
285.052697	2155.26934		136.052462	145.870612
0.21	1.35		0.1	0.11
205.827262	1715.16846		127.049515	139.754466
217.848461	2155.26934		136.052462	145.870612
0.058286	0.09		0.03	0.03
0.486016	4.05		0.3	0.33
423.498384				
4.234983				
0.63	4.05		0.3	0.33
0.001544	0.010546		0.000748	0.000841
18.248715	440.100882		9.002946	6.116145
18.248715	440.100882		9.002946	6.116145
0.143983				
60.976719				
-18.248715	-440.10088		-9.002946	-6.116145
-236.09718	-2595.3702		-145.05541	-151.98676
71.1471	295.9226		28.454	40.0658
0.08	0.32		0.03	0.07
266.803982	1715.16846		127.049515	139.754466
266.803982	1715.16846		127.049515	139.754466
266.803982	1715.16846		127.049515	139.754466
0.63	4.05		0.3	0.33

266.803982	1715.16846		127.049515	139.754466
12.06434	12.222063	12.09927	12.071475	12.074611
0.569874	0.524145	0.557663	0.579214	0.586322
0.544215	0.49966	0.534421	0.554037	0.561228
333438.805	291741.118	315201.112	331884.3	329395.856
1122.70459	1249.50185	1308.80687	1194.41966	1006.33229
9547.72	8250.4	9008.21	9529.45	9460.06
0.043578	0.046848	0.042525	0.04465	0.041581
112764.616	98654.6522	106670.418	112148.121	111162.104
193344.139	169398.708	182718.971	192510.76	191228.702
2.8206	2.8206	2.8206	2.8206	2.8206
127491.675	111538.95	120601.574	126794.666	125679.874
16779.46	15738.43	16139.19	16432.02	16155.1
41.126127	40.985494	41.171403	40.977605	41.211989
17544	16512	16856	17200	16856
43	43	43	42.892768	43
9547.72	8250.4	9008.21	9529.45	9460.06
36.012954	36.775465	36.244442	36.11775	36.004042
35.297713	35.739972	35.398412	35.315997	35.31153
339697.431	299200.635	321682.165	337930.768	334752.815
417601.954	346111.624	385007.833	430747.586	447184.337
77904.5235	46910.9893	63325.6678	92816.8179	112431.522
417601.954	346111.624	385007.833	430747.586	447184.337
390.22	366.01	375.33	382.14	375.7
	87.067613	10.271295		
	318.700553	26.133149		
	1.082791	0.14962		
	2.516203	0.292963		
18.84216	25.699246	21.597913	29.371316	37.27189
5.652648	10.958968	6.478875	7.636542	8.199816
9547.72	8250.4	9008.21	9529.45	9460.06
23.401274	21.485416	22.980127	23.764214	24.132806
18962.4586	-4655.7974	7569.04048	34196.9951	54327.0901
18962.4586	-4655.7974	7569.04048	34196.9951	54327.0901

9547.72	8247.8838	9007.91704	9529.45	9460.06
333438.805	291741.118	315201.112	331884.3	329395.856
-77904.524	-46910.989	-63325.668	-92816.818	-112431.52
-77904.524	-47229.69	-63351.801	-92816.818	-112431.52
4.45	3.56	3.91	1.9	2.33
112766.269	83335.8286	87897.015	102848.506	118919.648
1.18	1.39	1.22	1.14	1.01
6258.6256	7372.4488	6470.7824	6046.4688	5356.9592
398639.496	350767.422	377438.793	396550.591	392857.247
398639.496	350767.422	377438.793	396550.591	392857.247
320835.815	280937.658	303320.546	319305.426	316908.577
9547.72	8250.4	9008.21	9529.45	9460.06
6258.6256	7372.4488	6470.7824	6046.4688	5356.9592
398639.496	350767.422	377438.793	396550.591	392857.247
12602.9904	10890.528	11890.8372	12578.874	12487.2792
	0.01	0.01		
0.3	0.45		0.15	0.15
0.000469	0.003515		0.000279	0.000326
0.000465	0.003515		0.00025	0.00028
50.819806				
0.131527				
0.57	4.05		0.3	0.33
0.021151	0.025755	0.027525	0.026825	0.022908
8.55	60.75		4.5	4.95
228.301464	1622.14198		120.158665	132.174531
0.564664	0.846996		0.282332	0.282332
13.092615	93.026474		6.89085	7.579935
1198.11	1122.33	1143.63	1167.81	1149.06
2.936544	2.922734	2.917423	2.912244	2.931275
1224	1152	1176	1200	1176
3	3	3	2.992518	3
0.57	4.05		0.3	0.33

8.469967	12.704951		4.234983	4.234983
8.469967	12.704951		4.234983	4.234983
241.394079	1715.16846		127.049515	139.754466
257.996463	2155.26934		136.052462	145.870612
16.602384	440.100882		9.002946	6.116145
257.996463	2155.26934		136.052462	145.870612
0.19	1.35		0.1	0.11
190.574272	1715.16846		127.049515	139.754466
201.302587	2155.26934		136.052462	145.870612
0.06	0.09		0.03	0.03
0.45	4.05		0.3	0.33
0.57	4.05		0.3	0.33
0.001397	0.010546		0.000748	0.000841
16.602384	440.100882		9.002946	6.116145
16.602384	440.100882		9.002946	6.116145
0.12				
50.819806				
	0.03			0.02
-16.602384	-440.10088		-9.002946	-6.116145
-217.90497	-2595.3702		-145.05541	-151.98676
64.0831	295.9226		28.454	40.0658
0.07	0.32		0.03	0.07
241.394079	1715.16846		127.049515	139.754466
241.394079	1715.16846		127.049515	139.754466
241.394079	1715.16846		127.049515	139.754466
0.57	4.05		0.3	0.33
241.394079	1715.16846		127.049515	139.754466
3.402362	2.984386	1.974676	2.1193	1.561411
0.033413	0.038287	0.019147	0.018608	0.028946
0.032338	0.036953	0.018586	0.018275	0.027841
25273.3159	4526.7123	1267.28987	3199.21767	16923.3692

74.281349	15.582364	5.089795	11.067295	49.639939
659.7	709.5	364.3	365.5	545.7
0.024852	0.030742	0.031364	0.028762	0.030561
9472.5	10235.1	5188.7	5228.3	7901.7
87275.658	93990.0138	57189.1057	47739.8301	79941.7785
1.634225	1.481519	1.160602	1.103304	1.030205
3069.74385	519.830924	115.962206	493.161731	1780.56504
19899.6	18532.5	18982.7	19418	18969.2
48.773529	48.261718	48.425255	48.42394	48.390816
20400	19200	19600	20000	19600
50	50	50	49.875311	50
659.7	709.5	364.3	365.5	545.7
43.856494	38.560615	30.24999	25.667507	22.641747
23.22225	21.22695	16.493079	15.622286	14.678952
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
122707.325	161221.725	69955.111	65941.0504	113756.282
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
122707.325	161221.725	69955.111	65941.0504	113756.282
293.73	171.64	198.58	199.94	155.94
62157.7501	89729.3415	56044.1519	44650.2244	63157.1743
85649.059	153653.047	68413.5685	61827.1757	89418.1523
3.692202	4.661354	3.114575	3.097135	2.180965
443.425632	672.837726	356.016985	330.543189	420.030389
109.935947	118.275503	133.780843	107.664343	186.311248
26.239756	14.19306	10.702467	11.829337	11.178674
659.7	709.5	364.3	365.5	545.7
1.616911	1.847656	0.929336	0.911471	1.392091
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
216.274367	36.662273	8.283014	34.95681	125.66961
25273.3159	4526.7123	1267.28987	3199.21767	16923.3692
8.46	10.11	5.18	4.97	8.75
-35276.259	-66965.671	-12643.669	-18091.608	-33675.738
-120925.32	-220618.72	-81057.238	-79918.784	-123093.89
1.59	0.28	0.04	0.2	0.8

7075.3359	6025.4342	2715.4063	3388.4103	6680.6661
0.04	0.14	0.1	0.06	0.01
35.48	112.976	77.496	53.22	6.069
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
87275.658	93990.0138	57189.1057	47739.8301	79941.7785
659.7	709.5	364.3	365.5	545.7
35.48	112.976	77.496	53.22	6.069
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
119.928	153.064	44.84	56.391999	132.695999
0.2	0.02	0.21	0.2	0.03
0.3	0.3		0.15	0.15
0.000514	0.00349		0.000291	0.000229
0.000514	0.003437		0.00025	0.000229
67.984621				
0.175952				
0.84	5.28		0.4	0.36
0.028602	0.015468	0.025994	0.0408	0.025969
12.6	79.2		6	5.4
336.444262	2114.79251		160.211553	144.190398
0.566538	0.566538		0.283269	0.283269
20.475	128.7		9.75	8.775
1585.32	1512.24	1527.24	1534.72	1527.28
3.885588	3.938125	3.89602	3.827231	3.896122
1632	1536	1568	1600	1568
4	4	4	3.990024	4
0.84	5.28		0.4	0.36
8.498077	8.498077		4.249038	4.249038
8.498077	8.498077		4.249038	4.249038
356.919262	2243.49251		169.961553	152.965398
380.070262	2822.56852		181.403282	160.530687
23.151	579.076012		11.441728	7.565289
380.070262	2822.56852		181.403282	160.530687
0.21	1.32		0.1	0.09

288.934641	2243.49251		169.961553	152.965398
304.478427	2822.56852		181.403282	160.530687
0.08	0.08		0.04	0.04
0.68	5.28		0.4	0.36
472.714455				
4.727144				
0.84	5.28		0.4	0.36
0.002058	0.01375		0.000997	0.000918
23.151	579.076012		11.441728	7.565289
23.151	579.076012		11.441728	7.565289
0.16				
67.984621				
0.17	1.31		0.1	0.09
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-327.62943	-3401.6445		-192.84501	-168.09598
0.04				
71.1471	289.6522		28.454	32.9633
0.08	0.3		0.03	0.06
356.919262	2243.49251		169.961553	152.965398
356.919262	2243.49251		169.961553	152.965398
356.919262	2243.49251		169.961553	152.965398
0.84	5.28		0.4	0.36
356.919262	2243.49251		169.961553	152.965398

10.835114	10.958578	10.867978	10.854364	10.835943
0.375254	0.331331	0.367327	0.389998	0.410389
0.351433	0.311844	0.345323	0.371682	0.391669
338816.324	279431.102	315364.339	349839.7	361476.17
1135.10319	1194.12838	1304.49118	1256.7981	1102.59271
8402.36	7017.242	7932.492	8712.228	8997.112
0.0662	0.057786	0.063239	0.050325	0.049311
88369.6717	74724.3871	83687.9019	91389.2565	93964.0539
153342.42	129605.403	145242.37	158337.674	164207.059
3.724299	3.724299	3.724299	3.724299	3.724299
179770.423	152011.821	170246.299	185913.164	191151.075

22326.014	21202.066	21518.506	22260.382	21838.462
54.720622	55.213713	54.894147	55.512174	55.710362
23908.8	22502.4	22971.2	23440	22971.2
58.599999	58.599999	58.599999	58.453865	58.599999
8402.36	7017.242	7932.492	8712.228	8997.112
47.63626	48.894081	46.904122	47.14775	46.702791
40.997197	41.455733	41.119421	41.067924	40.987612
376125.575	322003.598	352887.82	385308.524	394443.785
456931.167	368899.311	412846.888	479378.618	525941.404
80805.5918	46895.7129	59959.0677	94070.0944	131497.619
456931.167	368899.311	412846.888	479378.618	525941.404
380.99	361.81	367.21	379.87	372.67
10.124428	6957.84617	5518.42424	335.453324	
13.773861	20298.9022	13159.1749	600.503363	
0.201686	7.148415	6.216235	1.78222	
0.239868	176.35694	139.778354	8.423314	
26.935023	20.937607	24.159371	28.816817	31.414118
21.817368	17.911553	22.597821	23.629296	25.445435
8402.36	7017.242	7932.492	8712.228	8997.112
20.594019	18.274067	20.235948	21.726254	22.951816
34614.7644	7837.27577	16215.4013	46300.93	82382.6078
34614.7644	7837.27577	16215.4013	46300.93	82382.6078
8402.12013	6840.88506	7792.71365	8703.80469	8997.112
338816.324	279431.102	315364.339	349839.7	361476.17
0.02	0.3	0.1	0.05	
-80805.592	-46895.713	-59959.068	-94070.094	-131497.62
-80819.366	-67194.615	-73118.243	-94670.598	-131497.62
18.4	23.69	21.04	24.35	18.54
101791.77	77080.3719	80922.8019	95963.2404	110613.733
1.55	1.48	1.33	1.46	1.37
37299.1265	35614.6499	32005.057	35133.3708	32967.6151
422316.402	361062.035	396631.486	433077.688	443558.796
422316.402	361062.035	396631.486	433077.688	443558.796
333112.844	281617.223	315488.668	344250.838	355358.134

8402.36	7017.242	7932.492	8712.228	8997.112
37299.1265	35614.6499	32005.057	35133.3708	32967.6151
422316.402	361062.035	396631.486	433077.688	443558.796
5713.6048	4771.72456	5394.09456	5924.31504	6118.03616
0.01	0.46	0.34	0.04	
3	2.4	1.65	1.8	1.2
0.030296	0.036214	0.01559	0.016566	0.028462
0.029142	0.035312	0.01551	0.016375	0.028188
4642.37056	574.217277	64.791049	443.925862	2740.41148
13.559323	1.90457	0.24513	1.495162	7.89028
166.46	189.84	85.12	91.7	154.7
0.040147	0.026145	0.025076	0.030425	0.023954
2496.9	2847.6	1276.8	1375.5	2320.5
23162.8649	26097.7992	15042.9705	12683.1119	23560.5798
1.360623	1.19879	1.011063	0.844272	0.693164
558.807651	72.788557	5.075141	67.023281	307.529063
5482.68	5235.44	5350.38	5429.62	5356.54
13.437941	13.633958	13.648928	13.540199	13.664642
5712	5376	5488	5600	5488
14	14	14	13.965087	14
166.46	189.84	85.12	91.7	154.7
20.457145	18.027363	15.222501	12.745815	10.428716
20.457145	18.027363	15.222501	12.745815	10.428716
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
32560.4793	43988.3891	18182.5489	17421.5808	33106.3228
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
32560.4793	43988.3891	18182.5489	17421.5808	33106.3228
156.05	91.76	105.26	101.81	85.6
18551.9943	25586.582	15009.6795	12270.686	20830.6683
25571.4887	42904.5188	18107.2032	16859.3203	29264.5359
2.548274	2.22479	1.536338	1.674296	0.952952
129.206156	184.987429	84.781657	87.231781	134.198062
110.474504	125.304995	164.587838	106.703581	151.51588
19.88541	8.771349	4.937635	7.46925	9.090952

166.46	189.84	85.12	91.7	154.7
0.40799	0.494375	0.217142	0.228678	0.394642
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
37.253843	4.85257	0.338342	4.468218	20.501937
4642.37056	574.217277	64.791049	443.925862	2740.41148
3.21	3.58	3.09	2.44	2.02
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-34937.603	-60732.109	-21215.282	-21566.289	-38799.779
0.75	0.04		0.15	0.25
3756.1244	3232.1443	1456.7139	1861.6041	3662.9817
0.03	0.06	0.03	0.03	0.01
31.5	63	31.5	31.5	10.5
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
23162.8649	26097.7992	15042.9705	12683.1119	23560.5798
166.46	189.84	85.12	91.7	154.7
31.5	63	31.5	31.5	10.5
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
0.29		0.03	0.28	

11.392882	11.501837	11.413659	11.38461	11.37789
0.300868	0.278809	0.288941	0.300763	0.313189
0.290017	0.26707	0.277695	0.289371	0.30278
1772967.84	1334320.43	1394135.87	1604507.07	1779130.96
5918.82145	5647.67682	5755.38314	5749.64036	5420.048
43437.93	37647.958	39961.208	42491.288	43571.024
0.033192	0.035132	0.032912	0.034375	0.029928
485041.478	425063.499	446871.962	472776.303	484072.85
1039110.05	938010.632	927571.678	947024.039	1021124.12
3.623203	3.632557	3.613947	3.585584	3.618451
823506.642	718098.311	772788.751	821014.511	838667.39
14178.8836	2965.1595	1159.94877	4161.8701	8380.92526
144242.629	135005.061	138265.041	141211.287	139059.502
353.535855	351.575679	352.716941	352.147847	354.743627

149776.8	140966.4	143903.2	146840	143903.2
367.099999	367.099999	367.099999	366.184538	367.099999
43437.93	37647.958	39961.208	42491.288	43571.024
248.51061	253.141604	189.814776	205.075168	191.12062
42.942278	43.418476	42.846994	42.436196	42.743581
1998769.7	1782767.09	1824171.32	1897714.65	1985771.48
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
340931.395	292922.166	191740.434	319340.482	496850.38
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
1809.94	1480.39	1555.22	1593.26	1497.31
173449.602	393983.819	380298.358	240873.744	158770.691
262219.823	780741.297	627533.156	392955.483	243984.633
2.6472	5.555983	7.613164	3.533815	1.710136
1853.84041	5612.6932	6020.46772	3649.36514	1524.54372
36.321014	24.40671	27.583058	32.124937	32.597132
36.26982	23.48343	27.296467	32.081533	32.589792
43437.93	37647.958	39961.208	42491.288	43571.024
106.465514	98.041557	101.941857	105.963311	111.150571
102347.419	85014.7238	-32406.32	81508.4183	254691.048
102347.419	85014.7238	-32406.32	81508.4183	254691.048
41584.0896	32035.2648	33940.7403	38841.9229	42046.4803
1772967.84	1334320.43	1394135.87	1604507.07	1779130.96
27.69	35.95	42.62	40.64	23.84
-340931.39	-292922.17	-191740.43	-319340.48	-496850.38
-603151.22	-1073663.5	-819273.59	-712295.96	-740835.01
370.69	313.42	310.61	333.98	357.27
349903.559	261163.963	266835.465	313739.84	368167.724
3.98	5.33	3.92	4.02	3.59
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
2237353.67	1990674.54	2048318.07	2135546.71	2227930.81
2237353.67	1990674.54	2048318.07	2135546.71	2227930.81
1862616.69	1656108.94	1700360.43	1768038.55	1859791.51
43437.93	37647.958	39961.208	42491.288	43571.024
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243

2237353.67	1990674.54	2048318.07	2135546.71	2227930.81
83661.4543	71873.708	73859.1055	77146.2796	78037.9377
9.46	34.36	38.32	24.82	10.8
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
991282.274	356394.311	424754.672	637090.714	963561.932
3216.56153	1430.44708	1703.28853	2239.71728	2882.57108
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
121782.789	91106.8763	95209.197	111627.404	128692.199
991282.274	356394.311	424754.672	637090.714	963561.932
370.32	312.9	310.22	333.82	356.7
260.630533	204.687269	181.617506	208.486948	250.044895
131.872817	81.225257	75.814583	97.032553	132.47666
51439.2902	27060.1194	24954.4898	35281.7564	50036.2313
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
-298.48723	-237.25749	-242.8806	-278.37258	-328.29643
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
-32.605958	-28.223808	-31.245458	-33.099439	-34.499931
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
4963614.46	2928190.71	3395685.15	4333555.74	5417064.85
121782.789	91106.8763	95209.197	111627.404	128692.199
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
991282.274	356394.311	424754.672	637090.714	963561.932
3216.56153	1430.44708	1703.28853	2239.71728	2882.57108
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
121782.789	91106.8763	95209.197	111627.404	128692.199
991282.274	356394.311	424754.672	637090.714	963561.932
370.32	312.9	310.22	333.82	356.7
260.630533	204.687269	181.617506	208.486948	250.044895

131.872817	81.225257	75.814583	97.032553	132.47666
51439.2902	27060.1194	24954.4898	35281.7564	50036.2313
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
-298.48723	-237.25749	-242.8806	-278.37258	-328.29643
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
-32.605958	-28.223808	-31.245458	-33.099439	-34.499931
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
4963614.46	2928190.71	3395685.15	4333555.74	5417064.85
121782.789	91106.8763	95209.197	111627.404	128692.199
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92

3411.276	3858.39047	4699.42437	4550.07091	4400.56504
103650.627	109090.717	151371.699	150113.067	146539.304

35.96126	44.472275	21.491037	26.343296	10.849318
1.078837	2.223613	1.074551	1.84403	0.216986
3411.276	3858.39047	4699.42437	4550.07091	4400.56504
8.36097	10.047891	11.988327	11.34681	11.225931
103650.627	109090.717	151371.699	150113.067	146539.304
103650.627	109090.717	151371.699	150113.067	146539.304
3411.276	3858.39047	4699.42437	4550.07091	4400.56504

-103650.63	-109090.72	-151371.7	-150113.07	-146539.3
-103650.63	-109090.72	-151371.7	-150113.07	-146539.3

0.16	0.27	0.45	0.56	0.09
116894.85	91106.8763	95209.197	111627.404	125483.632
3411.276	3858.39047	4699.42437	4550.07091	4400.56504
3411.276	3858.39047	4699.42437	4550.07091	4400.56504
103650.627	109090.717	151371.699	150113.067	146539.304
103650.627	109090.717	151371.699	150113.067	146539.304
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
171871.933	183274.094	229399.833	253003.088	263752.074
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
13.245539	16.84033	18.75183	19.278393	19.640153
171871.933	183274.094	229399.833	253003.088	263752.074
171871.933	183274.094	229399.833	253003.088	263752.074
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
-171871.93	-183274.09	-229399.83	-253003.09	-263752.07
-171871.93	-183274.09	-229399.83	-253003.09	-263752.07
121782.789	91106.8763	95209.197	111627.404	128692.199
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
171871.933	183274.094	229399.833	253003.088	263752.074
171871.933	183274.094	229399.833	253003.088	263752.074
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
193006.068	206146.445	258048.495	284270.555	296430.923

6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
14.871635	18.934545	21.086053	21.663143	22.073475
193006.068	206146.445	258048.495	284270.555	296430.923
193006.068	206146.445	258048.495	284270.555	296430.923
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
-193006.07	-206146.45	-258048.5	-284270.55	-296430.92
-193006.07	-206146.45	-258048.5	-284270.55	-296430.92
121782.789	91106.8763	95209.197	111627.404	128692.199
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
193006.068	206146.445	258048.495	284270.555	296430.923
193006.068	206146.445	258048.495	284270.555	296430.923
3500.41921	3842.56817	4584.39244	4414.69075	4318.82277
105335.586	108933.064	147739.54	145760.972	143803.919
3500.41921	3842.56817	4584.39244	4414.69075	4318.82277
8.579458	10.006687	11.694878	11.009203	11.017405
105335.586	108933.064	147739.54	145760.972	143803.919
105335.586	108933.064	147739.54	145760.972	143803.919
3500.41921	3842.56817	4584.39244	4414.69075	4318.82277
-105335.59	-108933.06	-147739.54	-145760.97	-143803.92

-105335.59	-108933.06	-147739.54	-145760.97	-143803.92
117120.039	91106.8763	95209.197	109008.09	128692.199
3500.41921	3842.56817	4584.39244	4414.69075	4318.82277
3500.41921	3842.56817	4584.39244	4414.69075	4318.82277
105335.586	108933.064	147739.54	145760.972	143803.919
105335.586	108933.064	147739.54	145760.972	143803.919
3059.89198	3630.52422	4514.05587	4431.40571	4032.88311
93076.152	102178.215	145098.413	145990.882	134622.052
3059.89198	3630.52422	4514.05587	4431.40571	4032.88311
7.499735	9.45449	11.515448	11.050887	10.287967
93076.152	102178.215	145098.413	145990.882	134622.052
93076.152	102178.215	145098.413	145990.882	134622.052
3059.89198	3630.52422	4514.05587	4431.40571	4032.88311
-93076.152	-102178.22	-145098.41	-145990.88	-134622.05
-93076.152	-102178.22	-145098.41	-145990.88	-134622.05
112369.959	91106.8763	95209.197	109336.636	124451.925
3059.89198	3630.52422	4514.05587	4431.40571	4032.88311
3059.89198	3630.52422	4514.05587	4431.40571	4032.88311
93076.152	102178.215	145098.413	145990.882	134622.052
93076.152	102178.215	145098.413	145990.882	134622.052
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
124359.61	87904.0205	79566.2574	94820.0722	119768.449
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
9.695833	7.814609	6.4598	7.311636	8.849851

124359.61	87904.0205	79566.2574	94820.0722	119768.449
124359.61	87904.0205	79566.2574	94820.0722	119768.449
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
-124359.61	-87904.02	-79566.257	-94820.072	-119768.45
-124359.61	-87904.02	-79566.257	-94820.072	-119768.45
121782.789	87832.5188	95209.197	111627.404	128692.199
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
124359.61	87904.0205	79566.2574	94820.0722	119768.449
124359.61	87904.0205	79566.2574	94820.0722	119768.449
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
103682.638	115119.742	138230.779	152410.209	137591.783
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
8.235575	10.264705	11.14133	11.865423	10.296765
103682.638	115119.742	138230.779	152410.209	137591.783
103682.638	115119.742	138230.779	152410.209	137591.783
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
-103682.64	-115119.74	-138230.78	-152410.21	-137591.78
-103682.64	-115119.74	-138230.78	-152410.21	-137591.78
119884.68	90795.8482	95107.4338	111627.404	127733.043
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192

3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
103682.638	115119.742	138230.779	152410.209	137591.783
103682.638	115119.742	138230.779	152410.209	137591.783

28759.4095	32011.4921	36313.9669	37503.7251	36609.4873
894982.614	912646.298	1149455.02	1226368.84	1242508.51

35.96126	44.472275	21.491037	26.343296	10.849318
1.078837	2.223613	1.074551	1.84403	0.216986
28759.4095	32011.4921	36313.9669	37503.7251	36609.4873
70.488748	83.36326	92.63767	93.525498	93.391549
894982.614	912646.298	1149455.02	1226368.84	1242508.51
894982.614	912646.298	1149455.02	1226368.84	1242508.51
28759.4095	32011.4921	36313.9669	37503.7251	36609.4873

-894982.61	-912646.3	-1149455	-1226368.8	-1242508.5
-894982.61	-912646.3	-1149455	-1226368.8	-1242508.5
0.16	0.27	0.45	0.56	0.09
831617.895	634162.749	666362.616	776481.748	892437.394

28759.4095	32011.4921	36313.9669	37503.7251	36609.4873

28759.4095	32011.4921	36313.9669	37503.7251	36609.4873
894982.614	912646.298	1149455.02	1226368.84	1242508.51
894982.614	912646.298	1149455.02	1226368.84	1242508.51

11.392882	11.501837	11.413659	11.38461	11.37789
0.300868	0.278809	0.288941	0.300763	0.313189
0.290017	0.26707	0.277695	0.289371	0.30278
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
2764250.12	1690714.74	1818890.54	2241597.78	2742692.89
9135.38298	7078.12389	7458.67167	7989.35764	8302.61909
-49585.45	-21447.426	-18934.022	-31632.391	-48511.688
0.033192	0.035132	0.032912	0.034375	0.029928
485041.478	425063.499	446871.962	472776.303	484072.85
1039110.05	938010.632	927571.678	947024.039	1021124.12
3.623203	3.632557	3.613947	3.585584	3.618451
823506.642	718098.311	772788.751	821014.511	838667.39
14178.8836	2965.1595	1159.94877	4161.8701	8380.92526
144242.629	135005.061	138265.041	141211.287	139059.502
353.535855	351.575679	352.716941	352.147847	354.743627
149776.8	140966.4	143903.2	146840	143903.2
367.099999	367.099999	367.099999	366.184538	367.099999
43437.93	37647.958	39961.208	42491.288	43571.024
248.51061	253.141604	189.814776	205.075168	191.12062
42.942278	43.418476	42.846994	42.436196	42.743581
1998769.7	1782767.09	1824171.32	1897714.65	1985771.48
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
121782.789	91106.8763	95209.197	111627.404	128692.199
340931.395	292922.166	191740.434	319340.482	496850.38
3234683.7	2988335.56	3165366.77	3443423.98	3725130.36
1809.94	1480.39	1555.22	1593.26	1497.31
173449.602	393983.819	380298.358	240873.744	158770.691
25.863404	23.294928	25.35491	26.531552	27.558519
991282.274	356394.311	424754.672	637090.714	963561.932
370.32	312.9	310.22	333.82	356.7
260.630533	204.687269	181.617506	208.486948	250.044895

6.940674	4.275013	5.054305	5.106976	6.972455
51,439	27,060	24,954	35,282	50,036
262219.823	780741.297	627533.156	392955.483	243984.633
1.532589	3.216621	3.552809	2.045893	0.990078
1,854	5,613	6,020	3,649	1,525
36.195258	24.45816	27.584112	32.05704	32.596614
36.144067	23.540811	27.300385	32.014258	32.589274
-49585.45	-21447.426	-18934.022	-31632.391	-48511.688
-121.53297	-55.852672	-48.301076	-78.883768	-123.7543
-2975002.2	-1574135.4	-1853881.8	-2388587.8	-2956303.4
-24.43977	-17.2855	-19.453247	-21.399773	-22.944955
-2975002.2	-1574135.4	-1853881.8	-2388587.8	-2956303.4
70343.4991	64046.7569	70254.7072	76345.6479	78655.9675
1772967.84	1334320.43	1394135.87	1604507.07	1779130.96
2736418.18	1366227.94	1629735.03	2150755.7	2714144.04
3465480.63	941880.953	1426956.55	2394890.94	3433721.33
1303304.24	986433.588	1028407.28	1201848.99	1389297.32
3.98	5.33	3.92	4.02	3.59
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
1862616.69	1656108.94	1700360.43	1768038.55	1859791.51
72197.3395	69659.4501	76275.1749	79995.0131	80180.5113
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
83661.4543	71873.708	73859.1055	77146.2796	78037.9377
28759.4095	32011.4921	36313.9669	37503.7251	36609.4873
894982.614	912646.298	1149455.02	1226368.84	1242508.51
894982.614	912646.298	1149455.02	1226368.84	1242508.51

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl base - SD_IRP_MainPortfolio_BaseCase
Date Intervals	Monthly
Stats	MEAN
Peak Period Label	5x16

Value	Column Labels				
Row Labels	2017-01	2017-02	2017-03	2017-04	2017-05
Fixed Cost					
FIXEDCOST - Fixed Cost	2762650.5	2511500.46	2888225.5	2511500.5	2762650.5
NETREVENUE - Net Revenue $	-2762650.5	-2511500.5	-2888225.5	-2511500.5	-2762650.5
NETREVENUEUNHEDGED - Net Revenue without hedges	-2762650.5	-2511500.5	-2888225.5	-2511500.5	-2762650.5
NWECOSTS - NWE Costs	2762650.5	2511500.46	2888225.5	2511500.5	2762650.5
NWECOSTSMPS - NWE Costs w/ MPS	2762650.5	2511500.46	2888225.5	2511500.5	2762650.5
TOTALCOSTOFSUPPLY - Total Cost of Supply	2762650.5	2511500.46	2888225.5	2511500.5	2762650.5
Forward Curve					
N/A					
Aberdeen					
MARKETPRICE - Market Price $/Unit	31.769999	31.82	30.32	28.07	27.77
Basis\CO2 SD Triangular					
MARKETPRICE - Market Price $/Unit	0	0	0	0	0
Beethoven					
MARKETPRICE - Market Price $/Unit	31.639999	31.69	30.19	27.94	27.64
Big Stone					
MARKETPRICE - Market Price $/Unit	31.739999	31.79	30.29	28.04	27.74
Coyote					
MARKETPRICE - Market Price $/Unit	30.99	31.04	29.539999	27.289999	26.99
Huron					
MARKETPRICE - Market Price $/Unit	31.28	31.33	29.829999	27.579999	27.28
Load					
MARKETPRICE - Market Price $/Unit	31.719999	31.77	30.27	28.02	27.72
Neal					
MARKETPRICE - Market Price $/Unit	31.759999	31.81	30.31	28.06	27.76
Oil2 - SD					

MARKETPRICE - Market Price $/Unit	17.96963	17.96963	17.96963	17.96963	17.96963
PRB - SD 8400					
MARKETPRICE - Market Price $/Unit	0.89	0.89	0.89	0.89	0.89
SPP - IND HUB					
MARKETPRICE - Market Price $/Unit	31.45	31.5	30	27.75	27.45
VENTURA - AECO					
MARKETPRICE - Market Price $/Unit		3.789692	3.372302	3.019444	2.832539
N/A - Total					
MARKETPRICE - Market Price $/Unit	24.65542	22.949943	21.915161	20.385756	20.17018
Forward Curve - Total					
Forward Curve - Total - Total					
MARKETPRICE - Market Price $/Unit	24.65542	22.949943	21.915161	20.385756	20.17018
Generation Asset					
Aberdeen					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.031903	0.031687	0.027771	0.03775	0.029176
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	7667.325	6971.85	8050.05	6928.2	7688.925
GENCAPACITYMW - Net Thermal Generation Capacity	21.782173	21.787031	21.875135	21.650625	21.843536
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	7920	7200	8280	7200	7920
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5	22.5	22.5	22.5
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					

GROSSREVENUE - Gross Revenue, $				
HOURSRUN - Runtime Hours				
MARKETGENERATIONCOST - Market Sales Generation Costs				
MARKETSALES - Spot Sales $				
MARKETSALESMW - Spot Sales				
MARKETSALESMWH - Spot Sales MWh				
MCP - MCP				
MCPMINSPOTPRICE - MCP min spot price				
NETPOS - Net Position (MWh)				
NETPOSMW - Net position per MW				
NETREVENUE - Net Revenue $				
NETREVENUEUNHEDGED - Net Revenue without hedges				
NLGENERATION - Native Load Generation MWh				
NLGENERATIONCOST - Native Load Generation Costs				
NonZeroMCPHour - Market sales hours greater than colstrip price				
NWECOSTS - NWE Costs				
NWECOSTSMPS - NWE Costs w/ MPS				
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load				
STARTS - Number Starts				
STARTUPCOST - StartupCost				
TOTALCOSTOFSUPPLY - Total Cost of Supply				
TOTALCOSTS - Total Cost				
TOTALFUELCOST - Total Fuel Cost				
TOTALGEN - All Generation				
TOTALSTARTUPCOST - TotalStartupCost				
TOTALVARIABLECOST - Variable Costs $				
VOMCOSTS - VOM Costs				
Aberdeen GS2				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	7.252629	8.571289	8.28872	5.74559
CAPACITYFACTOR - Net Generation Capacity Factor	0.220322	0.208116	0.22591	0.238074
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.214531	0.201875	0.219281	0.231022
COSTTOSERVELOAD - Cost to Serve Load	22571.6886	19238.424	5788.1709	42050.0078
COSTTOSERVELOADPMW - Cost to Serve Load PMW	91.875013	86.141065	29.219155	219.942469
EXPORTGENERATION - Export generation	3981.7	4308.82	4069.86	4716.56

FO - Forced Outage Rate	0.029943	0.029875	0.030081	0.032937	0.02821
FUELCONSUMED - Fuel Consumed		37503.6323	40584.776	38334.011	44425.2786
FUELCOST - Fuel Cost		135294.505	134364.55	116677.88	126623.413
FUELCOSTPMMBTU - Cost, $/mmBtu		2.529499	2.827128	2.64245	1.714754
GASNLFUELCONSUMED - Native Load Gas Used		5282.48801	5153.5239	1523.2794	11578.6364
GENCAPACITY - Net Thermal Generation Capacity MWh	19804.68	18005.52	20701.94	17948.68	19840.06
GENCAPACITYMW - Net Thermal Generation Capacity	56.263295	56.26725	56.255271	56.089625	56.363806
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	20416	18560	21344	18560	20416
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58	58	58	58
GENERATION - Thermal Generation MWh		3981.7	4308.82	4069.86	4716.56
GENERATIONCOSTPMW - Generation Cost		29.556396	33.313234	31.383922	20.600328
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		29.556396	33.313234	31.383922	20.600328
GENERATIONCOSTS - Thermal Generation Costs		164240.488	165477.69	146122.29	160554.23
GENERATIONGROSSREVENUE - Gross Generation Revenue		238890.798	209601.75	186111.19	255876.245
GENERATIONNETREVENUE - Net Revenue Generation		74650.3099	44124.053	39988.899	95322.0147
GROSSREVENUE - Gross Revenue, $		238890.798	209601.75	186111.19	255876.245
HOURSRUN - Runtime Hours		220.34	276.25	220.77	194.4
MARKETGENERATIONCOST - Market Sales Generation Costs		141668.799	146239.27	140334.12	118504.222
MARKETSALES - Spot Sales $		205876.468	185163.09	179019.41	188829.133
MARKETSALESMW - Spot Sales		41.390855	47.547447	49.503855	28.992726
MARKETSALESMWH - Spot Sales MWh		3420.86679	3761.6787	3908.1359	3487.27489
MCP - MCP		40.997312	36.647795	35.91097	33.99028
MCPMINSPOTPRICE - MCP min spot price		29.466015	28.547837	22.605776	20.042019
NETPOS - Net Position (MWh)		3981.7	4308.82	4069.86	4716.56
NETPOSMW - Net position per MW		12.442812	11.70875	12.718312	13.399318
NETREVENUE - Net Revenue $		74650.3099	44124.053	39988.899	95322.0147
NETREVENUEUNHEDGED - Net Revenue without hedges		74650.3099	44124.053	39988.899	95322.0147
NLGENERATION - Native Load Generation MWh		560.83321	547.1413	161.72411	1229.28511
NLGENERATIONCOST - Native Load Generation Costs		22571.6886	19238.424	5788.1709	42050.0078
NonZeroMCPHour - Market sales hours greater than colstrip price		26.64	36.93	35.58	24.36
NWECOSTS - NWE Costs		-74650.31	-44124.053	-39988.899	-95322.015
NWECOSTSMPS - NWE Costs w/ MPS		-280526.78	-229287.14	-219008.31	-284151.15
OTHERMCPHOUR - Other MCP Hours		1.6	1.6	0.32	2.36
PORTFOLIOLOADNATIVE - Portfolio Load		16599.479	16305.653	13736.142	15482.8982
STARTS - Number Starts		1.38	0.93	1.03	0.68

STARTUPCOST - StartupCost		516.6444	348.1734	385.6114	254.5784
TOTALCOSTOFSUPPLY - Total Cost of Supply		164240.488	165477.69	146122.29	160554.23
TOTALCOSTS - Total Cost		164240.488	165477.69	146122.29	160554.23
TOTALFUELCOST - Total Fuel Cost		135294.505	134364.55	116677.88	126623.413
TOTALGEN - All Generation		3981.7	4308.82	4069.86	4716.56
TOTALSTARTUPCOST - TotalStartupCost		516.6444	348.1734	385.6114	254.5784
TOTALVARIABLECOST - Variable Costs $		164240.488	165477.69	146122.29	160554.23
VOMCOSTS - VOM Costs		28429.338	30764.975	29058.8	33676.2384
zeroMCPHour - Market sales hours less than colstrip price					
Big Stone					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.862191	10.879309	10.793081	10.845545	11.025137
CAPACITYFACTOR - Net Generation Capacity Factor	0.733064	0.727206	0.745834	0.714119	0.64371
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.708891	0.705211	0.717556	0.682307	0.618702
COSTTOSERVELOAD - Cost to Serve Load	637207.413	543605.726	495068.01	315333.4	589586.465
COSTTOSERVELOADPMW - Cost to Serve Load PMW	2535.25632	2255.26338	2283.4245	1612.7286	3120.26975
EXPORTGENERATION - Export generation	27697.822	25049.104	29310.76	24235.572	24173.948
FO - Forced Outage Rate	0.034289	0.031343	0.038831	0.045218	0.037613
FUELCONSUMED - Fuel Consumed	298604.427	270342.617	315403.04	261734.97	263716.127
FUELCOST - Fuel Cost	265584.768	241360.076	280599.19	232914.18	234864.254
FUELCOSTPMMBTU - Cost, $/mmBtu	2.3267	2.3267	2.3267	2.3267	2.3267
FUELDELIVERYCOST - Fuel Delivery Cost	429004.98	388401.238	453139.55	376034.63	378880.959
GENCAPACITY - Net Thermal Generation Capacity MWh	37732.23	34406.67	39261.81	33913.83	37602.36
GENCAPACITYMW - Net Thermal Generation Capacity	107.193835	107.520843	106.6897	105.98072	106.824886
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	39072	35520	40848	35520	39072
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111	111	111	111
GENERATION - Thermal Generation MWh	27697.822	25049.104	29310.76	24235.572	24173.948
GENERATIONCOSTPMW - Generation Cost	26.888309	26.880708	26.763664	26.896065	27.317435
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	26.643907	26.679555	26.482678	26.604456	27.021692
GENERATIONCOSTS - Thermal Generation Costs	738165.804	668553.746	781329.03	648359.03	653071.002
GENERATIONGROSSREVENUE - Gross Generation Revenue	1015061.45	935398.286	993030.93	771326.85	809669.6
GENERATIONNETREVENUE - Net Revenue Generation	276895.647	266844.54	211701.9	122967.82	156598.598
GROSSREVENUE - Gross Revenue, $	1015061.45	935398.286	993030.93	771326.85	809669.6
HOURSRUN - Runtime Hours	339.93	309.97	353.71	305.53	338.76
MARKETGENERATIONCOST - Market Sales Generation Costs	95328.3514	120472.86	278826.47	326818.15	57277.057
MARKETSALES - Spot Sales $	150800.081	197100.928	394620.9	444076.77	91574.2452

MARKETSALESMW - Spot Sales	27.59834	30.38204	50.018981	62.977601	22.956414
MARKETSALESMWH - Spot Sales MWh	3681.026	4634.74789	10727.228	12547.172	2208.45906
MCP - MCP	26.068627	22.328267	23.474668	22.752065	20.378319
MCPMINSPOTPRICE - MCP min spot price	26.028065	22.251854	23.162719	22.152346	20.336612
NETPOS - Net Position (MWh)	27697.822	25049.104	29310.76	24235.572	24173.948
NETPOSMW - Net position per MW	78.686994	78.27845	79.648804	75.736162	68.675988
NETREVENUE - Net Revenue $	120815.113	125536.454	46840.731	-13841.05	18754.1781
NETREVENUEUNHEDGED - Net Revenue without hedges	120815.113	125536.454	46840.731	-13841.05	18754.1781
NLGENERATION - Native Load Generation MWh	24016.796	20414.3561	18583.532	11688.4	21965.4889
NLGENERATIONCOST - Native Load Generation Costs	637207.413	543605.726	495068.01	315333.4	589586.465
NonZeroMCPHour - Market sales hours greater than colstrip price	125.36	87.92	144.92	124.73	41.82
NWECOSTS - NWE Costs	-276895.65	-266844.54	-211701.9	-122967.82	-156598.6
NWECOSTSMPS - NWE Costs w/ MPS	-427695.73	-463945.47	-606322.8	-567044.59	-248172.84
OTHERMCPHOUR - Other MCP Hours	205.33	149.26	128.94	104.19	211.65
PO - Planned Outage Rate					
PORTFOLIOLOADNATIVE - Portfolio Load	82948.5929	72769.6653	73594.286	57502.618	62228.0009
STARTS - Number Starts	0.78	0.62	1.03	0.86	0.86
STARTUPCOST - StartupCost	5630.04	4475.16	7434.54	6207.48	6207.48
TOTALCOSTOFSUPPLY - Total Cost of Supply	894246.338	809861.832	946190.2	785167.9	790915.422
TOTALCOSTS - Total Cost	894246.338	809861.832	946190.2	785167.9	790915.422
TOTALFUELCOST - Total Fuel Cost	694589.748	629761.314	733738.74	608948.82	613745.213
TOTALGEN - All Generation	27697.822	25049.104	29310.76	24235.572	24173.948
TOTALSTARTUPCOST - TotalStartupCost	5630.04	4475.16	7434.54	6207.48	6207.48
TOTALVARIABLECOST - Variable Costs $	894246.338	809861.832	946190.2	785167.9	790915.422
VOMCOSTS - VOM Costs	37946.0161	34317.2725	40155.741	33202.734	33118.3088
zeroMCPHour - Market sales hours less than colstrip price				0.21	0.01
Clark					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.043352	0.029437	0.026875	0.036093	0.03338
FUELCONSUMED - Fuel Consumed					

FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1010.22	931.74	1074.33	925.35	1020.75
GENCAPACITYMW - Net Thermal Generation Capacity	2.869943	2.911687	2.919375	2.891718	2.899857
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1056	960	1104	960	1056
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3	3
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					
HOURSRUN - Runtime Hours					
MARKETGENERATIONCOST - Market Sales Generation Costs					
MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NonZeroMCPHour - Market sales hours greater than colstrip price					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					

TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					
TOTALVARIABLECOST - Variable Costs $					
Coyote					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.333955	11.395632	11.235193	11.290143	11.562415
CAPACITYFACTOR - Net Generation Capacity Factor	0.795671	0.780312	0.828997	0.795649	0.701356
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.760502	0.74394	0.794171	0.760484	0.397441
COSTTOSERVELOAD - Cost to Serve Load	252270.182	225108.506	273949.98	224599.24	133497.196
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1006.73771	938.880625	1275.724	1154.8034	707.768527
EXPORTGENERATION - Export generation	11510.97	10236.62	12566.97	10464.27	6015.68
FO - Forced Outage Rate	0.044062	0.047562	0.04307	0.045781	0.044346
FUELCONSUMED - Fuel Consumed	129593.037	115538.201	140829.2	117706.52	68574.4031
FUELCOST - Fuel Cost	115231.591	103077.02	125303.54	104807.97	61050.0449
FUELCOSTPMMBTU - Cost, $/mmBtu	1.8684	1.8684	1.8684	1.8684	1.8684
FUELDELIVERYCOST - Fuel Delivery Cost	126793.828	113042.576	137787.29	115164.06	67093.196
GENCAPACITY - Net Thermal Generation Capacity MWh	14469.07	13105.54	15142.45	13130.05	8529.05
GENCAPACITYMW - Net Thermal Generation Capacity	41.105312	40.954812	41.147961	41.031406	24.230255
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	15136	13760	15824	13760	15136
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43	43	43	43
GENERATION - Thermal Generation MWh	11510.97	10236.62	12566.97	10464.27	6015.68
GENERATIONCOSTPMW - Generation Cost	22.413786	22.534133	22.204138	22.42508	23.004041
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	22.067751	22.177918	21.882703	21.984214	22.494012
GENERATIONCOSTS - Thermal Generation Costs	256018.682	228371.788	278059.64	233319.32	135853.396
GENERATIONGROSSREVENUE - Gross Generation Revenue	393938.672	361351.361	402575.32	313628.88	191944.368
GENERATIONNETREVENUE - Net Revenue Generation	137919.99	132979.573	124515.69	80309.56	56090.9716
GROSSREVENUE - Gross Revenue, $	393938.672	361351.361	402575.32	313628.88	191944.368
HOURSRUN - Runtime Hours	336.49	304.78	352.15	305.35	198.35
MARKETGENERATIONCOST - Market Sales Generation Costs		121.682166	325.45537	4685.9844	
MARKETSALES - Spot Sales $		179.054524	433.69527	7118.2586	
MARKETSALESMW - Spot Sales		0.416853	2.550649	7.741878	
MARKETSALESMWH - Spot Sales MWh		5.835946	15.140992	218.0444	
MCP - MCP	32.0486	24.700542	24.845156	21.889008	21.903906
MCPMINSPOTPRICE - MCP min spot price	22.754506	16.302357	23.348004	21.870572	11.390031
NETPOS - Net Position (MWh)	11510.97	10236.62	12566.97	10464.27	6015.68
NETPOSMW - Net position per MW	32.701619	31.989437	34.149375	32.700843	17.09

NETREVENUE - Net Revenue $	70181.7097	72587.7547	50904.266	18784.362	20247.1311
NETREVENUEUNHEDGED - Net Revenue without hedges	70181.7097	72587.7547	50904.266	18784.362	20247.1311
NLGENERATION - Native Load Generation MWh	11510.97	10230.7841	12551.829	10246.226	6015.68
NLGENERATIONCOST - Native Load Generation Costs	252270.182	225108.506	273949.98	224599.24	133497.196
NonZeroMCPHour - Market sales hours greater than colstrip price			0.09	1.44	
NWECOSTS - NWE Costs	-137919.99	-132979.57	-124515.69	-80309.56	-56090.972
NWECOSTSMPS - NWE Costs w/ MPS	-137919.99	-133158.63	-124949.38	-87427.818	-56090.972
OTHERMCPHOUR - Other MCP Hours	18.59	12.92	18.77	15.72	7.69
PO - Planned Outage Rate					0.40909
PORTFOLIOLOADNATIVE - Portfolio Load	81130.0736	70530.9883	73099.484	56817.2	35213.9058
STARTS - Number Starts	1.05	0.88	1.06	1.13	0.66
STARTUPCOST - StartupCost	3748.5	3141.6	3784.2	4034.1	2356.2
TOTALCOSTOFSUPPLY - Total Cost of Supply	323756.963	288763.606	351671.06	294844.52	171697.237
TOTALCOSTS - Total Cost	323756.963	288763.606	351671.06	294844.52	171697.237
TOTALFUELCOST - Total Fuel Cost	242025.419	216119.596	263090.83	219972.02	128143.241
TOTALGEN - All Generation	11510.97	10236.62	12566.97	10464.27	6015.68
TOTALSTARTUPCOST - TotalStartupCost	3748.5	3141.6	3784.2	4034.1	2356.2
TOTALVARIABLECOST - Variable Costs $	323756.963	288763.606	351671.06	294844.52	171697.237
VOMCOSTS - VOM Costs	10244.7633	9110.5918	11184.603	9313.2003	5353.9552
Faulkton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.032187	0.02975	0.023994	0.024906	0.019261
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1022.01	931.44	1077.51	936.09	1035.66
GENCAPACITYMW - Net Thermal Generation Capacity	2.903437	2.91075	2.928016	2.925281	2.942215
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1056	960	1104	960	1056
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3	3	3

GENERATION - Thermal Generation MWh				
GENERATIONCOSTPMW - Generation Cost				
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder				
GENERATIONCOSTS - Thermal Generation Costs				
GENERATIONGROSSREVENUE - Gross Generation Revenue				
GENERATIONNETREVENUE - Net Revenue Generation				
GROSSREVENUE - Gross Revenue, $				
HOURSRUN - Runtime Hours				
MARKETGENERATIONCOST - Market Sales Generation Costs				
MARKETSALES - Spot Sales $				
MARKETSALESMW - Spot Sales				
MARKETSALESMWH - Spot Sales MWh				
MCP - MCP				
MCPMINSPOTPRICE - MCP min spot price				
NETPOS - Net Position (MWh)				
NETPOSMW - Net position per MW				
NETREVENUE - Net Revenue $				
NETREVENUEUNHEDGED - Net Revenue without hedges				
NLGENERATION - Native Load Generation MWh				
NLGENERATIONCOST - Native Load Generation Costs				
NonZeroMCPHour - Market sales hours greater than colstrip price				
NWECOSTS - NWE Costs				
NWECOSTSMPS - NWE Costs w/ MPS				
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load				
STARTS - Number Starts				
TOTALCOSTOFSUPPLY - Total Cost of Supply				
TOTALCOSTS - Total Cost				
TOTALFUELCOST - Total Fuel Cost				
TOTALGEN - All Generation				
TOTALVARIABLECOST - Variable Costs $				
Huron				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.340484	10.989096	10.137571	7.364628
CAPACITYFACTOR - Net Generation Capacity Factor	0.117164	0.085629	0.093686	0.147575
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.11435	0.083858	0.089725	0.144971

COSTTOSERVELOAD - Cost to Serve Load		3350.13822	2250.9633	299.53577	7327.45115
COSTTOSERVELOADPMW - Cost to Serve Load PMW		13.739001	10.184656	1.527292	38.658683
EXPORTGENERATION - Export generation		1829.6	1543	1435.6	2551.5
FO - Forced Outage Rate	0.035213	0.029671	0.032269	0.037031	0.032727
FUELCONSUMED - Fuel Consumed		26250.4	21920.6	20381.6	36621.9
FUELCOST - Fuel Cost		91482.7016	68925.056	62085.979	104792.752
FUELCOSTPMMBTU - Cost, $/mmBtu		2.203926	2.195735	2.15894	1.454366
GASNLFUELCONSUMED - Native Load Gas Used		1072.53662	903.94236	102.13989	2502.69949
GENCAPACITY - Net Thermal Generation Capacity MWh	16921.3	15523.6	17796.2	15342.4	17028.2
GENCAPACITYMW - Net Thermal Generation Capacity	48.071875	48.51125	48.359239	47.945	48.375568
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	17600	16000	18400	16000	17600
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50	50	50	50
GENERATION - Thermal Generation MWh		1829.6	1543	1435.6	2551.5
GENERATIONCOSTPMW - Generation Cost		51.178154	46.81486	45.027559	33.012147
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		31.87542	31.267555	30.658289	20.716971
GENERATIONCOSTS - Thermal Generation Costs		92282.9596	69198.312	62399.035	105345.672
GENERATIONGROSSREVENUE - Gross Generation Revenue		127468.596	83714.659	75627.338	165321.442
GENERATIONNETREVENUE - Net Revenue Generation		35185.6362	14516.347	13228.302	59975.7698
GROSSREVENUE - Gross Revenue, $		127468.596	83714.659	75627.338	165321.442
HOURSRUN - Runtime Hours		254.3	327.36	260.31	266.54
MARKETGENERATIONCOST - Market Sales Generation Costs		88932.8213	66947.349	62099.499	98018.2213
MARKETSALES - Spot Sales $		122764.315	81026.353	75291.233	152724.77
MARKETSALESMW - Spot Sales		15.974695	16.422172	15.63861	11.511142
MARKETSALESMWH - Spot Sales MWh		1753.36158	1478.6248	1428.3043	2374.67164
MCP - MCP		48.704063	42.350746	42.853164	43.910097
MCPMINSPOTPRICE - MCP min spot price		13.606902	15.148797	6.357773	14.051231
NETPOS - Net Position (MWh)		1829.6	1543	1435.6	2551.5
NETPOSMW - Net position per MW		5.7175	4.192934	4.48625	7.248579
NETREVENUE - Net Revenue $		35185.6362	14516.347	13228.302	59975.7698
NETREVENUEUNHEDGED - Net Revenue without hedges		35185.6362	14516.347	13228.302	59975.7698
NLGENERATION - Native Load Generation MWh		76.238424	64.375233	7.295706	176.82836
NLGENERATIONCOST - Native Load Generation Costs		3350.13822	2250.9633	299.53577	7327.45115
NonZeroMCPHour - Market sales hours greater than colstrip price		28.52	21.3	20.26	38.64
NWECOSTS - NWE Costs		-35185.636	-14516.347	-13228.302	-59975.77
NWECOSTSMPS - NWE Costs w/ MPS		-157949.95	-95542.7	-88519.536	-212700.54

OTHERMCPHOUR - Other MCP Hours		0.31	0.27	0.05	1.31
PORTFOLIOLOADNATIVE - Portfolio Load		14922.6215	10271.524	8452.5365	16474.512
STARTS - Number Starts		1.07	0.33	0.42	0.41
STARTUPCOST - StartupCost		584.018	164.932	216.768	246.614
TOTALCOSTOFSUPPLY - Total Cost of Supply		92282.9596	69198.312	62399.035	105345.672
TOTALCOSTS - Total Cost		92282.9596	69198.312	62399.035	105345.672
TOTALFUELCOST - Total Fuel Cost		91482.7016	68925.056	62085.979	104792.752
TOTALGEN - All Generation		1829.6	1543	1435.6	2551.5
TOTALSTARTUPCOST - TotalStartupCost		584.018	164.932	216.768	246.614
TOTALVARIABLECOST - Variable Costs $		92282.9596	69198.312	62399.035	105345.672
VOMCOSTS - VOM Costs		216.24	108.324	96.288	306.306
zeroMCPHour - Market sales hours less than colstrip price					
Mobile Unit					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.032414	0.033718	0.024483	0.030437	0.039318
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1362.36	1236.84	1435.96	1241.04	1352.64
GENCAPACITYMW - Net Thermal Generation Capacity	3.87034	3.865125	3.902065	3.87825	3.842727
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1408	1280	1472	1280	1408
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4	4	4	4
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					

HOURSRUN - Runtime Hours					
MARKETGENERATIONCOST - Market Sales Generation Costs					
MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NonZeroMCPHour - Market sales hours greater than colstrip price					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					
TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					
TOTALVARIABLECOST - Variable Costs $					
Neal					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.160649	10.211274	10.104241	10.132096	
CAPACITYFACTOR - Net Generation Capacity Factor	0.723201	0.711063	0.743816	0.714513	
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.687949	0.6773	0.702372	0.674036	
COSTTOSERVELOAD - Cost to Serve Load	289947.424	260210.007	309115.5	258348.47	
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1155.32128	1084.41977	1437.8149	1328.9958	
EXPORTGENERATION - Export generation	14190.474	12700.732	15146.524	12639.54	
FO - Forced Outage Rate	0.049829	0.049125	0.057391	0.058593	0.067585
FUELCONSUMED - Fuel Consumed	143269.592	128364.083	152685.9	127672.52	
FUELCOST - Fuel Cost	127426.509	114603.5	135908.77	113525.34	
FUELCOSTPMMBTU - Cost, $/mmBtu	1.9798	1.9798	1.9798	1.9798	

FUELDELIVERYCOST - Fuel Delivery Cost	156135.202	139891.177	166397.1	139137.52	
GENCAPACITY - Net Thermal Generation Capacity MWh	19599.356	17830.808	20327.168	17653.25	
GENCAPACITYMW - Net Thermal Generation Capacity	55.679988	55.721275	55.236869	55.166406	
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	20627.2	18752	21564.8	18752	20627.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.6	58.6	58.599999	58.6	58.6
GENERATION - Thermal Generation MWh	14190.474	12700.732	15146.524	12639.54	
GENERATIONCOSTPMW - Generation Cost	22.478529	22.455053	22.215525	22.343174	
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.567006	20.664312	20.455056	20.509426	
GENERATIONCOSTS - Thermal Generation Costs	311648.108	276728.438	333251.66	277784.1	
GENERATIONGROSSREVENUE - Gross Generation Revenue	509215.957	474039.003	503761.35	396453.92	
GENERATIONNETREVENUE - Net Revenue Generation	197567.849	197310.565	170509.69	118669.82	
GROSSREVENUE - Gross Revenue, $	509215.957	474039.003	503761.35	396453.92	
HOURSRUN - Runtime Hours	334.46	304.28	346.88	301.25	
MARKETGENERATIONCOST - Market Sales Generation Costs			6.303313	2.185717	
MARKETSALES - Spot Sales $			6.65954	2.086912	
MARKETSALESMW - Spot Sales			0.286	0.099457	
MARKETSALESMWH - Spot Sales MWh			0.286	0.099457	
MCP - MCP	28.372256	25.01381	25.358285	23.00325	
MCPMINSPOTPRICE - MCP min spot price	8.227954	4.502485	6.593154	8.508936	
NETPOS - Net Position (MWh)	14190.474	12700.732	15146.524	12639.54	
NETPOSMW - Net position per MW	40.313846	39.689787	41.159032	39.498562	
NETREVENUE - Net Revenue $	122680.833	130214.659	90700.768	51935.388	
NETREVENUEUNHEDGED - Net Revenue without hedges	122680.833	130214.659	90700.768	51935.388	
NLGENERATION - Native Load Generation MWh	14190.474	12700.732	15146.238	12639.441	
NLGENERATIONCOST - Native Load Generation Costs	289947.424	260210.007	309115.5	258348.47	
NonZeroMCPHour - Market sales hours greater than colstrip price			0.01		
NWECOSTS - NWE Costs	-197567.85	-197310.57	-170509.69	-118669.82	
NWECOSTSMPS - NWE Costs w/ MPS	-197567.85	-197310.57	-170516.35	-118671.9	
OTHERMCPHOUR - Other MCP Hours	2.28	0.77	1.3	2.58	
PO - Planned Outage Rate					1
PORTFOLIOLOADNATIVE - Portfolio Load	75913.9564	66893.8095	67256.995	52759.885	
STARTS - Number Starts	1.34	1.02	1.49	1.2	
STARTUPCOST - StartupCost	21700.6836	16518.4308	24129.865	19433.448	
TOTALCOSTOFSUPPLY - Total Cost of Supply	386535.123	343824.344	413060.59	344518.53	
TOTALCOSTS - Total Cost	386535.123	343824.344	413060.59	344518.53	

TOTALFUELCOST - Total Fuel Cost	283561.711	254494.678	302305.86	252662.86	
TOTALGEN - All Generation	14190.474	12700.732	15146.524	12639.54	
TOTALSTARTUPCOST - TotalStartupCost	21700.6836	16518.4308	24129.865	19433.448	
TOTALVARIABLECOST - Variable Costs $	386535.123	343824.344	413060.59	344518.53	
VOMCOSTS - VOM Costs	6385.7133	5715.3294	6815.9358	5687.793	
zeroMCPHour - Market sales hours less than colstrip price					
Yankton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		8.25	9.45	7.8	6.3
CAPACITYFACTOR - Net Generation Capacity Factor		0.104548	0.067435	0.076484	0.134033
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.102	0.065923	0.075437	0.129034
COSTTOSERVELOAD - Cost to Serve Load		494.089604	204.33591	16.05057	1281.85481
COSTTOSERVELOADPMW - Cost to Serve Load PMW		2.016597	0.942144	0.080049	6.703386
EXPORTGENERATION - Export generation		456.96	339.64	337.96	635.88
FO - Forced Outage Rate	0.023806	0.034218	0.029918	0.035062	0.028607
FUELCONSUMED - Fuel Consumed		6854.4	5094.6	5069.4	9538.2
FUELCOST - Fuel Cost		23882.6112	16321.963	15482.973	27338.7268
FUELCOSTPMMBTU - Cost, $/mmBtu		1.655905	1.83826	1.567287	1.189347
GASNLFUELCONSUMED - Native Load Gas Used		156.02118	76.264255	5.382159	426.662067
GENCAPACITY - Net Thermal Generation Capacity MWh	4810.68	4326.7	4997.86	4322.92	4787.02
GENCAPACITYMW - Net Thermal Generation Capacity	13.666704	13.520937	13.581141	13.509125	13.599488
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	4928	4480	5152	4480	4928
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14	14	14	14
GENERATION - Thermal Generation MWh		456.96	339.64	337.96	635.88
GENERATIONCOSTPMW - Generation Cost		27.417516	29.385907	23.946127	18.104063
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		27.417516	29.385907	23.946127	18.104063
GENERATIONCOSTS - Thermal Generation Costs		24418.1112	16573.963	15629.973	27527.7268
GENERATIONGROSSREVENUE - Gross Generation Revenue		32929.4451	19619.419	18807.301	42964.1058
GENERATIONNETREVENUE - Net Revenue Generation		8511.33388	3045.4556	3177.3287	15436.379
GROSSREVENUE - Gross Revenue, $		32929.4451	19619.419	18807.301	42964.1058
HOURSRUN - Runtime Hours		123.49	185.22	149.2	159.93
MARKETGENERATIONCOST - Market Sales Generation Costs		23924.0216	16369.627	15613.922	26245.872
MARKETSALES - Spot Sales $		32267.1197	19376.728	18790.402	40877.2117
MARKETSALESMW - Spot Sales		7.620433	8.628025	7.277372	5.788641
MARKETSALESMWH - Spot Sales MWh		446.558587	334.55572	337.60119	607.435862
MCP - MCP		53.239877	49.7055	46.57821	44.510731

MCPMINSPOTPRICE - MCP min spot price		7.282775	6.461715	0.465782	10.561607
NETPOS - Net Position (MWh)		456.96	339.64	337.96	635.88
NETPOSMW - Net position per MW		1.428	0.922934	1.056125	1.806477
NETREVENUE - Net Revenue $		8511.33388	3045.4556	3177.3287	15436.379
NETREVENUEUNHEDGED - Net Revenue without hedges		8511.33388	3045.4556	3177.3287	15436.379
NLGENERATION - Native Load Generation MWh		10.401412	5.084283	0.35881	28.444137
NLGENERATIONCOST - Native Load Generation Costs		494.089604	204.33591	16.05057	1281.85481
NonZeroMCPHour - Market sales hours greater than colstrip price		11.74	13.59	14.7	16.13
NWECOSTS - NWE Costs		-8511.3339	-3045.4556	-3177.3287	-15436.379
NWECOSTSMPS - NWE Costs w/ MPS		-40778.454	-22422.184	-21967.731	-56313.591
OTHERMCPHOUR - Other MCP Hours		0.14	0.13	0.02	0.44
PORTFOLIOLOADNATIVE - Portfolio Load		7903.2557	5353.216	4752.5293	8675.0826
STARTS - Number Starts		0.51	0.24	0.14	0.18
STARTUPCOST - StartupCost		535.5	252	147	189
TOTALCOSTOFSUPPLY - Total Cost of Supply		24418.1112	16573.963	15629.973	27527.7268
TOTALCOSTS - Total Cost		24418.1112	16573.963	15629.973	27527.7268
TOTALFUELCOST - Total Fuel Cost		23882.6112	16321.963	15482.973	27338.7268
TOTALGEN - All Generation		456.96	339.64	337.96	635.88
TOTALSTARTUPCOST - TotalStartupCost		535.5	252	147	189
TOTALVARIABLECOST - Variable Costs $		24418.1112	16573.963	15629.973	27527.7268
zeroMCPHour - Market sales hours less than colstrip price					
Generation Asset - Total					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.780135	10.86839	10.728273	10.77289	11.202189
CAPACITYFACTOR - Net Generation Capacity Factor	0.429271	0.47839	0.486644	0.473165	0.385355
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.413245	0.461852	0.467942	0.452727	0.294798
COSTTOSERVELOAD - Cost to Serve Load	1179425.02	1055340.16	1099827.2	804384.86	773742.975
COSTTOSERVELOADPMW - Cost to Serve Load PMW	4697.31531	4386.19438	5094.2312	4127.3543	4093.34282
EXPORTGENERATION - Export generation	53399.266	54254.716	63215.714	53182.802	38093.568
FO - Forced Outage Rate	0.035655	0.034187	0.033359	0.038258	0.035723
FUELCONSUMED - Fuel Consumed	571467.057	584853.333	676518.12	570899.03	422875.908
FUELCOST - Fuel Cost	508242.868	709700.414	761423.07	645494.32	554669.192
FUELCOSTPMMBTU - Cost, $/mmBtu	2.134914	2.256355	2.223865	2.215203	2.312129
FUELDELIVERYCOST - Fuel Delivery Cost	711934.01	641334.991	757323.94	630336.21	445974.155
GASNLFUELCONSUMED - Native Load Gas Used		6511.04581	6133.7305	1630.8015	14507.998
GENCAPACITY - Net Thermal Generation Capacity MWh	124399.231	113270.708	129865.28	112341.81	98884.665

GENCAPACITYMW - Net Thermal Generation Capacity	353.406906	353.970962	352.89478	351.06816	280.922343
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	129219.2	117472	135092.8	117472	129219.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999	367.1	367.1	367.099999
GENERATION - Thermal Generation MWh	53399.266	54254.716	63215.714	53182.802	38093.568
GENERATIONCOSTPMW - Generation Cost	71.780625	180.021961	180.69733	172.02193	122.038016
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.037473	25.876538	25.220243	25.259666	27.593928
GENERATIONCOSTS - Thermal Generation Costs	1305832.59	1454595.53	1643890.3	1383613.8	1082352.03
GENERATIONGROSSREVENUE - Gross Generation Revenue	1918216.08	2170077.49	2212303.4	1761955.5	1465775.76
GENERATIONNETREVENUE - Net Revenue Generation	612383.486	715481.958	568413.14	378341.73	383423.733
GROSSREVENUE - Gross Revenue, $	1918216.08	2170077.49	2212303.4	1761955.5	1465775.76
HOURSRUN - Runtime Hours	1010.88	1517.16	1841.57	1542.41	1157.98
MARKETGENERATIONCOST - Market Sales Generation Costs	95328.3514	375120.184	508714.48	549553.86	300045.373
MARKETSALES - Spot Sales $	150800.081	558187.886	680627.43	724298.16	474005.36
MARKETSALESMW - Spot Sales	9.199446	15.965653	20.267921	22.696769	13.460011
MARKETSALESMWH - Spot Sales MWh	3681.026	10261.3708	16317.514	18439.357	8677.84145
MCP - MCP	28.21031	29.021336	28.734345	25.384847	25.320439
MCPMINSPOTPRICE - MCP min spot price	28.186273	28.933272	28.600903	25.148944	25.273508
NETPOS - Net Position (MWh)	53399.266	54254.716	63215.714	53182.802	38093.568
NETPOSMW - Net position per MW	151.70246	169.545987	171.78183	166.19626	108.220363
NETREVENUE - Net Revenue $	313677.656	446686.148	250131.62	113273.23	209735.473
NETREVENUEUNHEDGED - Net Revenue without hedges	313677.656	446686.148	250131.62	113273.23	209735.473
NLGENERATION - Native Load Generation MWh	49718.24	43993.3452	46898.2	34743.445	29415.7265
NLGENERATIONCOST - Native Load Generation Costs	1179425.02	1055340.16	1099827.2	804384.86	773742.975
NonZeroMCPHour - Market sales hours greater than colstrip price	125.36	154.82	216.84	196.71	120.95
NWECOSTS - NWE Costs	-612383.49	-715481.96	-568413.14	-378341.73	-383423.73
NWECOSTSMPS - NWE Costs w/ MPS	-763183.57	-1273669.8	-1249040.6	-1102639.9	-857429.09
OTHERMCPHOUR - Other MCP Hours	226.2	165	151.01	122.88	223.45
PO - Planned Outage Rate					0.128099
PORTFOLIOLOADNATIVE - Portfolio Load	239992.623	249619.819	245881.16	194020.91	138074.4
STARTS - Number Starts	3.17	5.48	5.08	4.78	2.79
STARTUPCOST - StartupCost	31079.2236	25771.3532	36113.71	30424.407	9253.8724
TOTALCOSTOFSUPPLY - Total Cost of Supply	1604538.42	1723391.34	1962171.8	1648682.2	1256040.29
TOTALCOSTS - Total Cost	1604538.42	1723391.34	1962171.8	1648682.2	1256040.29
TOTALFUELCOST - Total Fuel Cost	1220176.88	1351035.41	1518747	1275830.5	1000643.35
TOTALGEN - All Generation	53399.266	54254.716	63215.714	53182.802	38093.568

TOTALSTARTUPCOST - TotalStartupCost	31079.2236	25771.3532	36113.71	30424.407	9253.8724
TOTALVARIABLECOST - Variable Costs $	1604538.42	1723391.34	1962171.8	1648682.2	1256040.29
VOMCOSTS - VOM Costs	54576.4927	77788.7717	89029.579	77358.815	72454.8084
zeroMCPHour - Market sales hours less than colstrip price				0.21	0.01
Load					
South Dakota Load					
COSTOFSUPPLY - Cost of Supply	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
COSTTOSERVELOAD - Cost to Serve Load	350281.074	225584.844	160198.2	99634.974	265510.341
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1387.72559	935.587841	741.11388	508.13255	1402.22777
EXPORTGENERATION - Export generation	-88298.808	-76869.071	-79191.82	-62288.9	-66461.981
GENERATIONLOAD - Load @ Generation	88298.8081	76869.0713	79191.82	62288.9	66461.9809
MARKETPURCHASES - Spot Purchases $	350281.074	225584.844	160198.2	99634.974	265510.341
MARKETPURCHASESHOURS - Market Purchase Flag	223.65	163.9	150.03	121.85	229.87
MARKETPURCHASESMAX - Max Spot Purchases	164.504823	152.158782	128.97611	107.64141	133.980863
MARKETPURCHASESMW - Spot Purchases	67.548047	72.237662	53.538054	44.685187	63.128284
MARKETPURCHASESMWH - Spot Purchases MWh	16852.0974	13642.7623	8722.662	5966.5749	15836.6513
NETPOS - Net Position (MWh)	-88298.808	-76869.071	-79191.82	-62288.9	-66461.981
NETPOSMW - Net position per MW	-250.84889	-240.21585	-215.19516	-194.65281	-188.81245
NETREVENUE - Net Revenue $	-2809929.4	-2452747	-2414749.9	-1748836.6	-1847920.8
NETREVENUEPMW - Net Revenue $/MWh	-31.799731	-31.876734	-30.484773	-28.10072	-27.806109
NETREVENUEUNHEDGED - Net Revenue without hedges	-2809929.4	-2452747	-2414749.9	-1748836.6	-1847920.8
NWECOSTS - NWE Costs	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
NWECOSTSMPS - NWE Costs w/ MPS	3160210.43	2678331.88	2574948.1	1848471.5	2113431.12
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713	79191.82	62288.9	66461.9809
TOTALCOSTOFSUPPLY - Total Cost of Supply	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
TOTALCOSTS - Total Cost	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
TOTALVARIABLECOST - Variable Costs $	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
Load - Total					
COSTOFSUPPLY - Cost of Supply	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
COSTTOSERVELOAD - Cost to Serve Load	350281.074	225584.844	160198.2	99634.974	265510.341
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1387.72559	935.587841	741.11388	508.13255	1402.22777
EXPORTGENERATION - Export generation	-88298.808	-76869.071	-79191.82	-62288.9	-66461.981
GENERATIONLOAD - Load @ Generation	88298.8081	76869.0713	79191.82	62288.9	66461.9809
MARKETPURCHASES - Spot Purchases $	350281.074	225584.844	160198.2	99634.974	265510.341
MARKETPURCHASESHOURS - Market Purchase Flag	223.65	163.9	150.03	121.85	229.87

MARKETPURCHASESMAX - Max Spot Purchases	164.504823	152.158782	128.97611	107.64141	133.980863
MARKETPURCHASESMW - Spot Purchases	67.548047	72.237662	53.538054	44.685187	63.128284
MARKETPURCHASESMWH - Spot Purchases MWh	16852.0974	13642.7623	8722.662	5966.5749	15836.6513
NETPOS - Net Position (MWh)	-88298.808	-76869.071	-79191.82	-62288.9	-66461.981
NETPOSMW - Net position per MW	-250.84889	-240.21585	-215.19516	-194.65281	-188.81245
NETREVENUE - Net Revenue $	-2809929.4	-2452747	-2414749.9	-1748836.6	-1847920.8
NETREVENUEPMW - Net Revenue $/MWh	-31.799731	-31.876734	-30.484773	-28.10072	-27.806109
NETREVENUEUNHEDGED - Net Revenue without hedges	-2809929.4	-2452747	-2414749.9	-1748836.6	-1847920.8
NWECOSTS - NWE Costs	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
NWECOSTSMPS - NWE Costs w/ MPS	3160210.43	2678331.88	2574948.1	1848471.5	2113431.12
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713	79191.82	62288.9	66461.9809
TOTALCOSTOFSUPPLY - Total Cost of Supply	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
TOTALCOSTS - Total Cost	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
TOTALVARIABLECOST - Variable Costs $	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
N/A					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
Wind Asset					
B & H					
COSTTOSERVELOAD - Cost to Serve Load	191658.538	180595.435	206771.16	193076.62	195961.02
COSTTOSERVELOADPMW - Cost to Serve Load PMW	766.160651	754.140577	965.56208	994.71791	1040.87032
EXPORTGENERATION - Export generation	7127.50234	6716.08163	7689.5188	7180.2388	7287.50539
GROSSREVENUE - Gross Revenue, $	224973.581	212570.657	232208.32	200646.34	201145.112
NETPOS - Net Position (MWh)	7127.50234	6716.08163	7689.5188	7180.2388	7287.50539
NETPOSMW - Net position per MW	20.248586	20.987755	20.895431	22.438246	20.70314
NETREVENUE - Net Revenue $	33315.0427	31975.2223	25437.159	7569.7221	5184.09202
NETREVENUEUNHEDGED - Net Revenue without hedges	33315.0427	31975.2223	25437.159	7569.7221	5184.09202
NLGENERATION - Native Load Generation MWh	7127.50234	6716.08163	7689.5188	7180.2388	7287.50539
NLGENERATIONCOST - Native Load Generation Costs	191658.538	180595.435	206771.16	193076.62	195961.02
NWECOSTS - NWE Costs	-33315.043	-31975.222	-25437.159	-7569.7221	-5184.092
NWECOSTSMPS - NWE Costs w/ MPS	-33315.043	-31975.222	-25437.159	-7569.7221	-5184.092
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713	79191.82	62288.9	66461.9809
TOTALCOSTOFSUPPLY - Total Cost of Supply	191658.538	180595.435	206771.16	193076.62	195961.02

TOTALCOSTS - Total Cost	191658.538	180595.435	206771.16	193076.62	195961.02
TOTALGEN - All Generation	7127.50234	6716.08163	7689.5188	7180.2388	7287.50539
TOTALVARIABLECOST - Variable Costs $	191658.538	180595.435	206771.16	193076.62	195961.02
WINDCOSTS - Wind Cost	191658.538	180595.435	206771.16	193076.62	195961.02
WINDGEN - Generation - Wind	7127.50234	6716.08163	7689.5188	7180.2388	7287.50539
WINDGROSSREVENUE - Gross Wind Revenue	224973.581	212570.657	232208.32	200646.34	201145.112
WINDNETREVENUE - Net Wind Revenue $	33315.0427	31975.2223	25437.159	7569.7221	5184.09202
WINDTOTALCOST - Wind Total Costs	191658.538	180595.435	206771.16	193076.62	195961.02
B & H II					
COSTTOSERVELOAD - Cost to Serve Load	199558.636	188068.994	215281.98	201276.23	204119.961
COSTTOSERVELOADPMW - Cost to Serve Load PMW	797.745873	785.344274	1005.302	1036.9515	1084.20194
EXPORTGENERATION - Export generation	8007.97094	7546.90989	8638.9238	8076.8954	8191.00967
GROSSREVENUE - Gross Revenue, $	252759.747	238873.249	260883.18	225700.01	226094.944
MCP - MCP	17.986174	21.399352	21.414432	20.452957	21.334916
MCPMINSPOTPRICE - MCP min spot price	0.899308	0.64198	0.642432	0.818118	11.947553
NETPOS - Net Position (MWh)	8007.97094	7546.90989	8638.9238	8076.8954	8191.00967
NETPOSMW - Net position per MW	22.749917	23.584093	23.475336	25.240298	23.269913
NETREVENUE - Net Revenue $	53201.1112	50804.2544	45601.2	24423.78	21974.9826
NETREVENUEUNHEDGED - Net Revenue without hedges	53201.1112	50804.2544	45601.2	24423.78	21974.9826
NLGENERATION - Native Load Generation MWh	8007.97094	7546.90989	8638.9238	8076.8954	8191.00967
NLGENERATIONCOST - Native Load Generation Costs	199558.636	188068.994	215281.98	201276.23	204119.961
NWECOSTS - NWE Costs	-53201.111	-50804.254	-45601.2	-24423.78	-21974.983
NWECOSTSMPS - NWE Costs w/ MPS	-53201.111	-50804.254	-45601.2	-24423.78	-21974.983
OTHERMCPHOUR - Other MCP Hours	0.44	0.18	0.15	0.2	7.59
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713	79191.82	62288.9	66461.9809
TOTALCOSTOFSUPPLY - Total Cost of Supply	199558.636	188068.994	215281.98	201276.23	204119.961
TOTALCOSTS - Total Cost	199558.636	188068.994	215281.98	201276.23	204119.961
TOTALGEN - All Generation	8007.97094	7546.90989	8638.9238	8076.8954	8191.00967
TOTALVARIABLECOST - Variable Costs $	199558.636	188068.994	215281.98	201276.23	204119.961
WINDCOSTS - Wind Cost	199558.636	188068.994	215281.98	201276.23	204119.961
WINDGEN - Generation - Wind	8007.97094	7546.90989	8638.9238	8076.8954	8191.00967
WINDGROSSREVENUE - Gross Wind Revenue	252759.747	238873.249	260883.18	225700.01	226094.944
WINDNETREVENUE - Net Wind Revenue $	53201.1112	50804.2544	45601.2	24423.78	21974.9826
WINDTOTALCOST - Wind Total Costs	199558.636	188068.994	215281.98	201276.23	204119.961
OakTree					

COSTTOSERVELOAD - Cost to Serve Load	164568.356	135978.159	177447.79	152560.9	145573.349
COSTTOSERVELOADPMW - Cost to Serve Load PMW	657.083872	566.571371	829.49848	787.8644	774.086854
EXPORTGENERATION - Export generation	3212.34347	2654.26818	3463.7475	2977.9601	2841.56449
GROSSREVENUE - Gross Revenue, $	99676.9176	82668.3242	104545.16	82665.085	78207.8432
NETPOS - Net Position (MWh)	3212.34347	2654.26818	3463.7475	2977.9601	2841.56449
NETPOSMW - Net position per MW	9.125975	8.294588	9.412357	9.306125	8.072626
NETREVENUE - Net Revenue $	-64891.438	-53309.835	-72902.622	-69895.813	-67365.506
NETREVENUEUNHEDGED - Net Revenue without hedges	-64891.438	-53309.835	-72902.622	-69895.813	-67365.506
NLGENERATION - Native Load Generation MWh	3212.34347	2654.26818	3463.7475	2977.9601	2841.56449
NLGENERATIONCOST - Native Load Generation Costs	164568.356	135978.159	177447.79	152560.9	145573.349
NWECOSTS - NWE Costs	64891.4383	53309.8349	72902.622	69895.813	67365.5055
NWECOSTSMPS - NWE Costs w/ MPS	64891.4383	53309.8349	72902.622	69895.813	67365.5055
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713	79191.82	62288.9	66461.9809
TOTALCOSTOFSUPPLY - Total Cost of Supply	164568.356	135978.159	177447.79	152560.9	145573.349
TOTALCOSTS - Total Cost	164568.356	135978.159	177447.79	152560.9	145573.349
TOTALGEN - All Generation	3212.34347	2654.26818	3463.7475	2977.9601	2841.56449
TOTALVARIABLECOST - Variable Costs $	164568.356	135978.159	177447.79	152560.9	145573.349
WINDCOSTS - Wind Cost	164568.356	135978.159	177447.79	152560.9	145573.349
WINDGEN - Generation - Wind	3212.34347	2654.26818	3463.7475	2977.9601	2841.56449
WINDGROSSREVENUE - Gross Wind Revenue	99676.9176	82668.3242	104545.16	82665.085	78207.8432
WINDNETREVENUE - Net Wind Revenue $	-64891.438	-53309.835	-72902.622	-69895.813	-67365.506
WINDTOTALCOST - Wind Total Costs	164568.356	135978.159	177447.79	152560.9	145573.349
Titan					
COSTTOSERVELOAD - Cost to Serve Load	213792.556	146445.124	238969.27	211461	182733.468
COSTTOSERVELOADPMW - Cost to Serve Load PMW	857.878986	612.603664	1115.1223	1090.0607	971.439778
EXPORTGENERATION - Export generation	3380.65396	2315.70404	3778.7677	3343.7856	2889.52353
GROSSREVENUE - Gross Revenue, $	104476.044	72116.9618	113789.62	92869.768	78430.3071
NETPOS - Net Position (MWh)	3380.65396	2315.70404	3778.7677	3343.7856	2889.52353
NETPOSMW - Net position per MW	9.60413	7.236575	10.26839	10.449329	8.208873
NETREVENUE - Net Revenue $	-109316.51	-74328.162	-125179.65	-118591.23	-104303.16
NETREVENUEUNHEDGED - Net Revenue without hedges	-109316.51	-74328.162	-125179.65	-118591.23	-104303.16
NLGENERATION - Native Load Generation MWh	3380.65396	2315.70404	3778.7677	3343.7856	2889.52353
NLGENERATIONCOST - Native Load Generation Costs	213792.556	146445.124	238969.27	211461	182733.468
NWECOSTS - NWE Costs	109316.513	74328.1618	125179.65	118591.23	104303.161
NWECOSTSMPS - NWE Costs w/ MPS	109316.513	74328.1618	125179.65	118591.23	104303.161

PORTFOLIOLOADNATIVE - Portfolio Load	86773.8199	73919.1796	79191.82	62288.9	66279.6615
TOTALCOSTOFSUPPLY - Total Cost of Supply	213792.556	146445.124	238969.27	211461	182733.468
TOTALCOSTS - Total Cost	213792.556	146445.124	238969.27	211461	182733.468
TOTALGEN - All Generation	3380.65396	2315.70404	3778.7677	3343.7856	2889.52353
TOTALVARIABLECOST - Variable Costs $	213792.556	146445.124	238969.27	211461	182733.468
WINDCOSTS - Wind Cost	213792.556	146445.124	238969.27	211461	182733.468
WINDGEN - Generation - Wind	3380.65396	2315.70404	3778.7677	3343.7856	2889.52353
WINDGROSSREVENUE - Gross Wind Revenue	104476.044	72116.9618	113789.62	92869.768	78430.3071
WINDNETREVENUE - Net Wind Revenue $	-109316.51	-74328.162	-125179.65	-118591.23	-104303.16
WINDTOTALCOST - Wind Total Costs	213792.556	146445.124	238969.27	211461	182733.468
Wind Asset - Total					
COSTTOSERVELOAD - Cost to Serve Load	769578.086	651087.712	838470.2	758374.75	728387.798
COSTTOSERVELOADPMW - Cost to Serve Load PMW	3078.86938	2718.65989	3915.4849	3909.5945	3870.59889
EXPORTGENERATION - Export generation	21728.4707	19232.9638	23570.958	21578.88	21209.6031
GROSSREVENUE - Gross Revenue, $	681886.289	606229.192	711426.28	601881.21	583878.206
MCP - MCP	17.986174	21.399352	21.414432	20.452957	21.334916
MCPMINSPOTPRICE - MCP min spot price	0.899308	0.64198	0.642432	0.818118	11.947553
NETPOS - Net Position (MWh)	21728.4707	19232.9638	23570.958	21578.88	21209.6031
NETPOSMW - Net position per MW	61.728609	60.103011	64.051515	67.433999	60.254554
NETREVENUE - Net Revenue $	-87691.797	-44858.52	-127043.91	-156493.54	-144509.59
NETREVENUEUNHEDGED - Net Revenue without hedges	-87691.797	-44858.52	-127043.91	-156493.54	-144509.59
NLGENERATION - Native Load Generation MWh	21728.4707	19232.9638	23570.958	21578.88	21209.6031
NLGENERATIONCOST - Native Load Generation Costs	769578.086	651087.712	838470.2	758374.75	728387.798
NWECOSTS - NWE Costs	87691.797	44858.52	127043.91	156493.54	144509.592
NWECOSTSMPS - NWE Costs w/ MPS	87691.797	44858.52	127043.91	156493.54	144509.592
OTHERMCPHOUR - Other MCP Hours	0.44	0.18	0.15	0.2	7.59
PORTFOLIOLOADNATIVE - Portfolio Load	351670.244	304526.394	316767.28	249155.6	265665.604
TOTALCOSTOFSUPPLY - Total Cost of Supply	769578.086	651087.712	838470.2	758374.75	728387.798
TOTALCOSTS - Total Cost	769578.086	651087.712	838470.2	758374.75	728387.798
TOTALGEN - All Generation	21728.4707	19232.9638	23570.958	21578.88	21209.6031
TOTALVARIABLECOST - Variable Costs $	769578.086	651087.712	838470.2	758374.75	728387.798
WINDCOSTS - Wind Cost	769578.086	651087.712	838470.2	758374.75	728387.798
WINDGEN - Generation - Wind	21728.4707	19232.9638	23570.958	21578.88	21209.6031
WINDGROSSREVENUE - Gross Wind Revenue	681886.289	606229.192	711426.28	601881.21	583878.206
WINDNETREVENUE - Net Wind Revenue $	-87691.797	-44858.52	-127043.91	-156493.54	-144509.59

WINDTOTALCOST - Wind Total Costs	769578.086	651087.712	838470.2	758374.75	728387.798
Total					
Total - Total					
Total - Total - Total					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.780135	10.86839	10.728273	10.77289	11.202189
CAPACITYFACTOR - Net Generation Capacity Factor	0.429271	0.47839	0.486644	0.473165	0.385355
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.413245	0.461852	0.467942	0.452727	0.294798
COSTOFSUPPLY - Cost of Supply	2809929.36	2452747.04	2414749.9	1748836.6	1847920.78
COSTTOSERVELOAD - Cost to Serve Load	2299284.18	1932012.71	2098495.6	1662394.6	1767641.11
COSTTOSERVELOADPMW - Cost to Serve Load PMW	9163.91028	8040.44211	9750.83	8545.0813	9366.16948
EXPORTGENERATION - Export generation	-13171.071	-3381.3915	7594.8522	12472.782	-7158.8098
FIXEDCOST - Fixed Cost	2762650.5	2511500.46	2888225.5	2511500.5	2762650.5
FO - Forced Outage Rate	0.035655	0.034187	0.033359	0.038258	0.035723
FUELCONSUMED - Fuel Consumed	571467.057	584853.333	676518.12	570899.03	422875.908
FUELCOST - Fuel Cost	508242.868	709700.414	761423.07	645494.32	554669.192
FUELCOSTPMMBTU - Cost, $/mmBtu	2.134914	2.256355	2.223865	2.215203	2.312129
FUELDELIVERYCOST - Fuel Delivery Cost	711934.01	641334.991	757323.94	630336.21	445974.155
GASNLFUELCONSUMED - Native Load Gas Used		6511.04581	6133.7305	1630.8015	14507.998
GENCAPACITY - Net Thermal Generation Capacity MWh	124399.231	113270.708	129865.28	112341.81	98884.665
GENCAPACITYMW - Net Thermal Generation Capacity	353.406906	353.970962	352.89478	351.06816	280.922343
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	129219.2	117472	135092.8	117472	129219.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999	367.1	367.1	367.099999
GENERATION - Thermal Generation MWh	53399.266	54254.716	63215.714	53182.802	38093.568
GENERATIONCOSTPMW - Generation Cost	71.780625	180.021961	180.69733	172.02193	122.038016
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.037473	25.876538	25.220243	25.259666	27.593928
GENERATIONCOSTS - Thermal Generation Costs	1305832.59	1454595.53	1643890.3	1383613.8	1082352.03
GENERATIONGROSSREVENUE - Gross Generation Revenue	1918216.08	2170077.49	2212303.4	1761955.5	1465775.76
GENERATIONLOAD - Load @ Generation	88298.8081	76869.0713	79191.82	62288.9	66461.9809
GENERATIONNETREVENUE - Net Revenue Generation	612383.486	715481.958	568413.14	378341.73	383423.733
GROSSREVENUE - Gross Revenue, $	2600102.37	2776306.68	2923729.7	2363836.7	2049653.97
HOURSRUN - Runtime Hours	1010.88	1517.16	1841.57	1542.41	1157.98
MARKETGENERATIONCOST - Market Sales Generation Costs	95328.3514	375120.184	508714.48	549553.86	300045.373
MARKETPRICE - Market Price $/Unit	24.65542	22.949943	21.915161	20.385756	20.17018
MARKETPURCHASES - Spot Purchases $	350281.074	225584.844	160198.2	99634.974	265510.341
MARKETPURCHASESHOURS - Market Purchase Flag	223.65	163.9	150.03	121.85	229.87

MARKETPURCHASESMAX - Max Spot Purchases	164.504823	152.158782	128.97611	107.64141	133.980863
MARKETPURCHASESMW - Spot Purchases	8.443505	6.019805	4.461504	3.723765	5.738934
MARKETPURCHASESMWH - Spot Purchases MWh	16,852	13,643	8,723	5,967	15,837
MARKETSALES - Spot Sales $	150800.081	558187.886	680627.43	724298.16	474005.36
MARKETSALESMW - Spot Sales	3.449792	9.313297	11.822954	13.239782	7.341824
MARKETSALESMWH - Spot Sales MWh	3,681	10,261	16,318	18,439	8,678
MCP - MCP	28.175524	28.959387	28.680901	25.334511	24.999615
MCPMINSPOTPRICE - MCP min spot price	28.151773	28.871506	28.547886	25.100191	24.961455
NETPOS - Net Position (MWh)	-13171.071	-3381.3915	7594.8522	12472.782	-7158.8098
NETPOSMW - Net position per MW	-37.417816	-10.566848	20.638185	38.977443	-20.337527
NETREVENUE - Net Revenue $	-5346594	-4562419.9	-5179887.7	-4303557.3	-4545345.4
NETREVENUEPMW - Net Revenue $/MWh	-60.561251	-59.362567	-65.420895	-69.095195	-68.396163
NETREVENUEUNHEDGED - Net Revenue without hedges	-5346594	-4562419.9	-5179887.7	-4303557.3	-4545345.4
NLGENERATION - Native Load Generation MWh	71446.7107	63226.309	70469.158	56322.325	50625.3296
NLGENERATIONCOST - Native Load Generation Costs	1949003.1	1706427.87	1938297.4	1562759.6	1502130.77
NWECOSTS - NWE Costs	5047888.18	4293624.06	4861606.2	4038488.8	4371657.14
NWECOSTSMPS - NWE Costs w/ MPS	5247369.17	3961021.02	4341177	3413825.6	4163162.12
PO - Planned Outage Rate					0.128099
PORTFOLIOLOADNATIVE - Portfolio Load	679961.675	631015.284	641840.26	505465.41	470201.985
STARTS - Number Starts	3.17	5.48	5.08	4.78	2.79
STARTUPCOST - StartupCost	31079.2236	25771.3532	36113.71	30424.407	9253.8724
TOTALCOSTOFSUPPLY - Total Cost of Supply	7946696.38	7338726.55	8103617.4	6667394	6594999.37
TOTALCOSTS - Total Cost	5184045.87	4827226.09	5215391.9	4155893.6	3832348.86
TOTALFUELCOST - Total Fuel Cost	1220176.88	1351035.41	1518747	1275830.5	1000643.35
TOTALGEN - All Generation	75127.7367	73487.6798	86786.672	74761.682	59303.1711
TOTALSTARTUPCOST - TotalStartupCost	31079.2236	25771.3532	36113.71	30424.407	9253.8724
TOTALVARIABLECOST - Variable Costs $	5184045.87	4827226.09	5215391.9	4155893.6	3832348.86
VOMCOSTS - VOM Costs	54576.4927	77788.7717	89029.579	77358.815	72454.8084
WINDCOSTS - Wind Cost	769578.086	651087.712	838470.2	758374.75	728387.798
WINDGEN - Generation - Wind	21728.4707	19232.9638	23570.958	21578.88	21209.6031
WINDGROSSREVENUE - Gross Wind Revenue	681886.289	606229.192	711426.28	601881.21	583878.206
WINDNETREVENUE - Net Wind Revenue $	-87691.797	-44858.52	-127043.91	-156493.54	-144509.59
WINDTOTALCOST - Wind Total Costs	769578.086	651087.712	838470.2	758374.75	728387.798

2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04
2762650.5	2511500.46	2888225.53	2511500.46	2762650.5	2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817
-2762650.5	-2511500.5	-2888225.5	-2511500.5	-2762650.5	-2637075.5	-2511500.5	-2817903.5	-2561730.5	-2817903.5	-2689817
-2762650.5	-2511500.5	-2888225.5	-2511500.5	-2762650.5	-2637075.5	-2511500.5	-2817903.5	-2561730.5	-2817903.5	-2689817
2762650.5	2511500.46	2888225.53	2511500.46	2762650.5	2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817
2762650.5	2511500.46	2888225.53	2511500.46	2762650.5	2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817
2762650.5	2511500.46	2888225.53	2511500.46	2762650.5	2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817
26.77	36.519999	33.02	29.12	24.169999	24.119999	26.72	35.369999	32.969999	27.22	24.77
0	0	0	0	0	0	0	0	0	0	0
26.64	36.389999	32.89	28.99	24.039999	23.989999	26.59	35.239999	32.839999	27.09	24.64
26.74	36.489999	32.99	29.09	24.139999	24.089999	26.69	35.339999	32.939999	27.19	24.74
25.989999	35.74	32.24	28.339999	23.39	23.34	25.94	34.59	32.19	26.439999	23.989999
26.279999	36.03	32.53	28.629999	23.68	23.63	26.23	34.88	32.48	26.729999	24.279999
26.72	36.469999	32.97	29.07	24.119999	24.069999	26.67	35.319999	32.919999	27.17	24.72
26.76	36.509999	33.01	29.11	24.159999	24.109999	26.71	35.359999	32.959999	27.21	24.76

17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	18.329023	18.329023	18.329023	18.329023
0.89	0.89	0.89	0.89	0.89	0.89	0.889999	0.969999	0.97	0.97	0.97
26.45	36.2	32.7	28.8	23.85	23.8	26.4	35.05	32.65	26.9	24.45
2.819976	2.816501	2.824201	2.830618	2.908631	3.39829	3.845042	4.128121	4.154634	3.670184	3.302648
19.502467	26.002177	23.669486	21.07002	17.776521	17.783993	19.554556	25.381428	23.783638	19.909933	18.245972
19.502467	26.002177	23.669486	21.07002	17.776521	17.783993	19.554556	25.381428	23.783638	19.909933	18.245972
			0.13894							
			0.000111							
			0.000111							
			0.8							
0.021619	0.02925	0.029157	0.032656	0.026761	0.031636	0.029531	0.020738	0.033062	0.029943	0.034761
			11.1152							
			199.736036							
			0.190632							
			12.155582							
7748.775	6989.4	8038.575	6964.875	7708.05	7320.825	6987.375	7755.75	6961.95	7682.85	7297.2
22.013565	21.841875	21.843953	21.765234	21.897869	21.788169	21.835546	22.03338	21.756093	21.826278	21.717857
7920	7200	8280	7200	7920	7560	7200	7920	7200	7920	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
			0.8							
			2.760676							
			2.760676							
			220.854119							
			238.419237							
			17.565118							

238.419237
0.04
220.854119
238.419237
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17.565118

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-255.98436

8.3343
0.01
8.1465
220.854119
220.854119
211.891619
0.8
8.1465
220.854119
0.816

7.25263	9.230619	9.042239	4.803689	7.06425	6.5933	6.12235	6.687489	6.5933	6.5933	6.21654
0.230037	0.472765	0.398908	0.255576	0.1641	0.076815	0.057854	0.269079	0.233754	0.122007	0.107909
0.222698	0.460156	0.387038	0.24525	0.158863	0.074672	0.056718	0.262642	0.224968	0.118636	0.103869
42908.7569	145204.147	95947.6992	19183.5916	7837.1334	5672.8855	14203.8248	54960.7879	36843.7278	10711.765	3583.2755
176.607565	523.593482	365.881513	87.431246	38.124117	25.901914	53.092371	212.117152	147.241786	46.306579	17.625655
4546.62	8540.5	8260.94	4551.84	3243.36	1455.22	1052.7	5362.1	4175.42	2422.08	2024.2

0.032585	0.027687	0.029375	0.032687	0.030142	0.028333	0.020812	0.02821	0.034562	0.029573	0.032648
42824.6138	80442.9695	77809.7939	42873.781	30549.2078	13706.7172	9915.3813	50505.6199	39328.281	22813.5715	19065.94
119842.758	227545.007	221430.433	120571.373	81718.4338	41157.5843	37796.5788	199766.827	152758.104	78515.9451	62871.085
2.182188	2.75459	2.705323	1.431772	2.093389	2.214259	2.502864	2.516285	2.500075	2.329116	2.172857
12074.3471	40476.453	26542.5043	5353.97308	2377.41259	1514.21881	3091.08002	11471.2095	7899.98316	2698.335	861.69262
19750.74	18046.12	20717.02	17953.32	19800.62	18935.84	18173.72	19840.06	17918.52	19812.22	18851.74
56.110056	56.394125	56.29625	56.104125	56.251761	56.356666	56.792875	56.363806	55.995375	56.284715	56.106369
20416	18560	21344	18560	20416	19488	18560	20416	18560	20416	19488
58	58	58	58	58	58	58	58	58	58	58
4546.62	8540.5	8260.94	4551.84	3243.36	1455.22	1052.7	5362.1	4175.42	2422.08	2024.2
26.33596	33.011787	32.405507	17.277862	25.287389	26.185888	28.696809	29.024814	28.724496	27.23422	25.463529
26.33596	33.011787	32.405507	17.277862	25.287389	26.185888	28.696809	29.024814	28.724496	27.23422	25.463529
152691.236	288902.301	280795.412	153247.469	105224.198	51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658
222472.218	441219.438	403459.775	303544.11	130369.431	60177.3878	51725.5407	358860.27	278589.168	123746.357	94466.443
69780.9818	152317.137	122664.363	150296.641	25145.2337	8367.46669	6191.79968	119820.596	95220.1595	27357.0912	16614.785
222472.218	441219.438	403459.775	303544.11	130369.431	60177.3878	51725.5407	358860.27	278589.168	123746.357	94466.443
217.59	289.9	306.94	154.23	185.12	165.49	150.23	262.25	226.46	198.86	161.88
109782.479	143698.154	184847.713	134063.877	97387.0642	46137.0356	31329.9163	184078.886	146525.281	85677.5006	74268.383
157349.531	212020.224	260247.742	261966.318	120703.188	53538.091	35657.5267	278018.939	221015.157	110165.132	90111.101
34.44645	36.546426	41.73324	26.955902	41.674188	37.806988	29.828972	34.688923	35.686646	37.834602	37.076515
3264.70609	4243.18044	5442.96524	3983.41734	2990.95395	1294.45784	724.525032	4144.22024	3336.69156	2135.60214	1932.7155
34.435946	34.116439	34.115522	33.950853	33.112515	37.475344	44.837769	42.70905	42.636782	40.847051	39.177054
26.031393	33.395497	32.722445	16.279735	16.875087	19.416426	27.611672	29.021946	28.078137	23.142216	16.361928
4546.62	8540.5	8260.94	4551.84	3243.36	1455.22	1052.7	5362.1	4175.42	2422.08	2024.2
12.916534	26.689062	22.448206	14.2245	9.21409	4.331011	3.289687	15.233238	13.048187	6.880909	6.024404
69780.9818	152317.137	122664.363	150296.641	25145.2337	8367.46669	6191.79968	119820.596	95220.1595	27357.0912	16614.785
69780.9818	152317.137	122664.363	150296.641	25145.2337	8367.46669	6191.79968	119820.596	95220.1595	27357.0912	16614.785
1281.91391	4297.31956	2817.97476	568.422664	252.40605	160.762162	328.174967	1217.87976	838.728438	286.477863	91.484511
42908.7569	145204.147	95947.6992	19183.5916	7837.1334	5672.8855	14203.8248	54960.7879	36843.7278	10711.765	3583.2755
25.75	32.35	38.9	15.02	27.17	16.06	13.03	28.91	24.31	21.58	22.01
-69780.982	-152317.14	-122664.36	-150296.64	-25145.234	-8367.4667	-6191.7997	-119820.6	-95220.16	-27357.091	-16614.785
-227130.51	-364337.36	-382912.11	-412262.96	-145848.42	-61905.558	-41849.326	-397839.54	-316235.32	-137522.22	-106725.89
2.79	9.28	6.73	0.43	1.01	0.86	2.02	4.04	2.27	1.26	0.37
18283.4698	39713.4135	35941.3179	16317.4501	11277.6027	5480.6662	4792.1183	23634.3516	17778.0787	9372.5156	7025.6601
1.03	1.01	1.02	0.47	0.93	0.7	0.59	0.62	0.56	0.63	0.64

385.6114	378.1238	381.8676	175.9586	348.1734	262.066	220.8842	236.7594	213.8472	240.5781	244.3968
152691.236	288902.301	280795.412	153247.469	105224.198	51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658
152691.236	288902.301	280795.412	153247.469	105224.198	51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658
119842.758	227545.007	221430.433	120571.373	81718.4338	41157.5843	37796.5788	199766.827	152758.104	78515.9451	62871.085
4546.62	8540.5	8260.94	4551.84	3243.36	1455.22	1052.7	5362.1	4175.42	2422.08	2024.2
385.6114	378.1238	381.8676	175.9586	348.1734	262.066	220.8842	236.7594	213.8472	240.5781	244.3968
152691.236	288902.301	280795.412	153247.469	105224.198	51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658
32462.8668	60979.17	58983.1116	32500.1376	23157.5904	10390.2708	7516.278	39036.088	30397.0576	17632.7424	14736.176

10.981109	10.727129	10.775065	11.113255	10.945754	10.943466	10.854704	10.916414	10.952713	10.940141	10.990514
0.648742	0.801258	0.768468	0.61643	0.653198	0.645186	0.704666	0.721178	0.6928	0.669901	0.634241
0.624833	0.773094	0.741865	0.595641	0.632459	0.619241	0.68433	0.694555	0.667535	0.647183	0.608056
585798.026	691590.999	735915.82	433512.177	434397.945	462890.651	597027.494	652797.568	557999.519	507048.28	368126.64
2664.65834	2657.67235	3012.93511	2121.84816	2163.27339	2133.32459	2313.03336	2553.23645	2266.73203	2287.26552	1849.7177
24413.476	27460.322	30303.712	21157.172	24711.468	23095.222	24307.408	27137.692	23710.878	25286.74	22678.072
0.038806	0.035625	0.035625	0.033812	0.032329	0.040714	0.028968	0.035795	0.036718	0.035056	0.040476
265905.708	293949.752	325424.192	231748.992	269257.387	251779.495	262929.951	293016.421	256837.186	274737.279	247653.94
237130.489	261753.603	290572.919	205925.403	239665.494	224013.467	234008.157	283590.449	248775.352	265094.692	239422.81
2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.3997	2.3997	2.3997	2.3997
382026.731	422317.608	467536.936	332953.777	386842.087	361731.6	377751.46	418925.577	367200.125	392791.888	354070.83
37555.74	34254.6	39392.79	34318.98	37808.82	35777.52	34491.03	37673.4	34215.75	37702.26	35786.4
106.692443	107.045625	107.045625	107.246812	107.41142	106.480714	107.784468	107.026704	106.924218	107.108693	106.50714
39072	35520	40848	35520	39072	37296	35520	39072	35520	39072	37296
111	111	111	111	111	111	111	111	111	111	111
24413.476	27460.322	30303.712	21157.172	24711.468	23095.222	24307.408	27137.692	23710.878	25286.74	22678.072
27.262863	26.511468	26.683986	27.498571	27.061047	27.122728	26.858592	27.826352	27.973835	27.934435	28.071836
26.917948	26.32827	26.437032	27.228981	26.837378	26.833036	26.625979	27.598988	27.685512	27.658942	27.77859
659749.502	726527.912	806483.041	572484.026	665414.892	623376.462	650474.267	745883.055	655207.546	699398.476	631279.79
770742.428	1111666.92	1122093.51	805034.75	688746.612	630379.213	725316.956	1142331.67	948617.161	800788.55	648732.62
110992.925	385139.006	315610.473	232550.723	23331.7199	7002.75179	74842.6897	396448.614	293409.614	101390.073	17452.834
770742.428	1111666.92	1122093.51	805034.75	688746.612	630379.213	725316.956	1142331.67	948617.161	800788.55	648732.62
338.34	308.6	354.89	309.18	340.62	322.32	310.73	339.4	308.25	339.66	322.22
66805.6561	30100.8531	63710.1202	134352.329	225964.348	154494.871	48033.2731	87711.2273	91171.1877	186239.737	257116.31
93774.3487	44022.9601	91910.2185	260933.226	283139.892	187661.343	61165.0867	164955.896	163317.981	259867.6	327853.95

26.771692	18.366981	21.365272	31.548576	51.2705	43.25528	22.938144	23.162713	23.780197	41.309442	55.99037
2567.64672	1158.3441	2452.51781	5167.24776	8679.95627	5945.57579	1853.04698	3289.72981	3417.84952	6988.71353	9608.5079
20.905942	23.475488	23.184236	18.43641	21.169904	21.820584	24.096103	23.113397	21.632488	22.272671	21.655093
20.820841	23.442256	23.140816	18.256311	20.764982	21.544598	24.06247	23.091336	21.601377	22.068479	21.15415
24413.476	27460.322	30303.712	21157.172	24711.468	23095.222	24307.408	27137.692	23710.878	25286.74	22678.072
69.356465	85.813506	82.347043	66.116162	70.203034	68.735779	75.96065	77.095715	74.096493	71.837329	67.494261
-27995.989	231491.471	145511.248	111415.525	-117409.12	-124602.39	-62590.796	243288.931	159160.817	-42215.103	-111995.88
-27995.989	231491.471	145511.248	111415.525	-117409.12	-124602.39	-62590.796	243288.931	159160.817	-42215.103	-111995.88
21845.8293	26301.9779	27851.1942	15989.9242	16031.5117	17149.6462	22454.361	23847.9622	20293.0285	18298.0265	13069.564
585798.026	691590.999	735915.82	433512.177	434397.945	462890.651	597027.494	652797.568	557999.519	507048.28	368126.64
46.38	25.3	48.73	42.5	110.84	111.86	70.83	60	64.72	113.68	119.33
-110992.93	-385139.01	-315610.47	-232550.72	-23331.72	-7002.7518	-74842.69	-396448.61	-293409.61	-101390.07	-17452.834
-204767.27	-429161.97	-407520.69	-493483.95	-306471.61	-194664.09	-136007.78	-561404.51	-456727.6	-361257.67	-345306.79
206.73	133.88	160.17	181.75	168.59	177.03	213.81	182.38	166.28	176.73	160.5
71954.0254	77586.7196	83671.4455	61212.1797	66563.5784	67584.0139	77633.3051	84282.0045	73455.8603	72715.3896	62006.566
0.99	0.67	0.95	0.64	0.7	0.83	0.75	0.73	0.82	0.83	0.82
7145.82	4836.06	6857.1	4619.52	5052.6	5990.94	5413.5	5374.26	6036.84	6110.46	6036.84
798738.416	880175.447	976582.266	693619.225	806155.728	754981.603	787907.752	899042.738	789456.344	843003.652	760728.5
798738.416	880175.447	976582.266	693619.225	806155.728	754981.603	787907.752	899042.738	789456.344	843003.652	760728.5
619157.22	684071.211	758109.855	538879.181	626507.581	585745.067	611759.618	702516.026	615975.477	657886.58	593493.65
24413.476	27460.322	30303.712	21157.172	24711.468	23095.222	24307.408	27137.692	23710.878	25286.74	22678.072
7145.82	4836.06	6857.1	4619.52	5052.6	5990.94	5413.5	5374.26	6036.84	6110.46	6036.84
798738.416	880175.447	976582.266	693619.225	806155.728	754981.603	787907.752	899042.738	789456.344	843003.652	760728.5
33446.4621	37620.6411	41516.0854	28985.3256	33854.7112	31640.4541	33301.149	37992.7688	33195.2292	35401.436	31749.301
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1023.06	923.04	1075.86	935.28	1031.76	979.2	939.72	1019.58	931.65	1027.71	972.78
2.90642	2.8845	2.923532	2.92275	2.931136	2.914285	2.936625	2.896534	2.911406	2.91963	2.895178
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235905.443	246123.499	273691.285	179132.13	235290.925	226194.255	206415.162	239407.243	208910.145	237763.928	217077.58
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10647.28	11316.87	12540.02	8014.21	10660.86	10259.86	9434.7	11301	9816.61	11224.56	10214.12
0.042272	0.041718	0.049402	0.058375	0.048863	0.055148	0.046156	0.046363	0.050875	0.046761	0.05247
121086.406	126312.519	140387.188	92345.3866	121057.872	116287.374	105965.56	127447.179	111271.218	126709.355	115757.16
107979.567	112467.316	125175.843	82039.8415	107727.72	103343.228	94341.575	123431.388	107699.809	122469.511	111785.32
1.8684	1.8684	1.8684	1.8684	1.8684	1.8684	1.8684	1.799299	1.799299	1.7993	1.7993
118470.94	123584.168	137354.824	90350.7263	118443.022	113775.566	103676.704	105691.945	92277.2211	105080.068	95997.413
14496.16	13185.95	15042.26	12307.03	14396.4	13651.21	11808.23	14434.24	13059.96	14428.22	13689.91
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15136	13760	15824	13760	15136	14448	13760	15136	13760	15136	14448
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10647.28	11316.87	12540.02	8014.21	10660.86	10259.86	9434.7	11301	9816.61	11224.56	10214.12
22.769322	22.120084	22.20712	23.433398	22.60621	22.511673	22.303221	21.921925	22.084998	21.81339	21.983735
22.330558	21.777162	21.844302	22.874773	22.178231	22.133175	21.922627	21.493387	21.624014	21.397798	21.460999
239996.386	249693.499	277975.285	183093.215	239871.508	229855.77	209628.162	243449.197	212733.615	241915.124	221738.58
319522.919	432690.549	435569.339	288521.195	281130.921	264441.379	267576.043	450763.054	373697.922	332599.504	274642.09
79526.5326	182997.05	157594.054	105427.981	41259.4136	34585.6092	57947.8805	207313.857	160964.307	90684.3795	52903.51
319522.919	432690.549	435569.339	288521.195	281130.921	264441.379	267576.043	450763.054	373697.922	332599.504	274642.09
337.12	306.65	349.43	286.21	334.8	317.02	274.61	335.68	303.72	335.54	318.37
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25.999693			798.964206	489.378285	72.904399					
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30.247954	35.365218	34.076141	25.044406	30.286534	30.535297	29.483437	32.105113	30.676906	31.887954	30.399166

16234.6681	116973.496	84213.671	57159.0473	-22017.536	-26197.801	2559.6822	140697.217	102802.841	24453.3996	-7602.7574
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235905.443	246123.499	273691.285	179132.13	235290.925	226194.255	206415.162	239407.243	208910.145	237763.928	217077.58
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16.79	9.48	12.69	11.84	13.31	19.54	13.82	1.37	2.26	3.9	3.05
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71497.7681	76339.6962	81608.1683	54654.6588	64235.8447	65845.9301	67142.4053	82325.7105	71557.4289	71100.8569	60077.891
1.14	1	1.2	1	1.18	1.01	0.9	1.11	1.05	1.14	1.28
4069.8	3570	4284	3570	4212.6	3605.7	3213	4041.954	3823.47	4151.196	4660.992
303288.25	315717.052	351355.668	231362.148	303148.457	290639.18	265016.36	310065.838	270895.081	308146.104	282244.84
303288.25	315717.052	351355.668	231362.148	303148.457	290639.18	265016.36	310065.838	270895.081	308146.104	282244.84
226450.507	236051.484	262530.668	172390.568	226170.742	217118.794	198018.279	229123.333	199977.03	227549.579	207782.74
10647.28	11316.87	12540.02	8014.21	10660.86	10259.86	9434.7	11301	9816.61	11224.56	10214.12
4069.8	3570	4284	3570	4212.6	3605.7	3213	4041.954	3823.47	4151.196	4660.992
303288.25	315717.052	351355.668	231362.148	303148.457	290639.18	265016.36	310065.838	270895.081	308146.104	282244.84
9476.0792	10072.0143	11160.6178	7132.6469	9488.1654	9131.2754	8396.883	10283.91	8933.1151	10214.3496	9294.8492
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			0.09							
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1009.8	925.32	1078.92	933.75	1024.89	973.89	940.11	1022.28	922.68	1027.65	974.52
2.86875	2.891625	2.931847	2.917968	2.911619	2.898482	2.937843	2.904204	2.883375	2.91946	2.900357
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0.132551	0.310639	0.244359	0.19568	0.07111	0.021065	0.007929	0.159183	0.135231	0.047884	0.032736
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8089.30336	33001.161	20070.4943	4425.92546	622.993576	708.76985	674.590403	10697.4431	7136.42647	1325.64715	384.9748
32.16258	117.139709	75.294275	19.181813	2.97496	3.198736	2.536344	41.020979	28.338693	5.61229	1.897858
2297.7	4823	4381.3	3023	1227.2	349.8	125.6	2711.9	2098.6	825.3	525.5
0.024488	0.030953	0.026059	0.029453	0.02419	0.03177	0.026609	0.028963	0.030187	0.033707	0.030922
32943.3	69346.6	62780.9	43699	17460.4	4937.4	1758.4	38949.1	30177.8	11745.3	7453.9
90894.0826	195993.003	178506.622	122755.25	43308.6368	13346.1391	6507.92086	148791.433	112092.966	37917.9001	24025.499
1.769431	2.559252	2.453718	1.012728	1.202636	1.13071	1.095045	2.045175	2.009607	1.472486	1.281542
2978.62655	11602.9312	7044.45977	1533.53845	247.565864	261.858169	185.747794	2705.61566	1858.50821	440.78795	111.73301
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2297.7	4823	4381.3	3023	1227.2	349.8	125.6	2711.9	2098.6	825.3	525.5
45.915828	74.026697	68.270814	28.736999	25.053064	18.127718	15.518799	50.906095	49.742737	27.70201	24.152345
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91492.9586	197138.639	179231.188	123323.332	43536.2748	13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448
129841.181	279983.519	239753.475	225225.065	53213.0072	15327.123	7120.28633	204549.669	160118.33	48764.2977	28384.217
38348.2219	82844.8802	60522.2862	101901.733	9676.73236	1914.22386	567.441465	54888.5746	47610.8193	10714.4566	4242.769
129841.181	279983.519	239753.475	225225.065	53213.0072	15327.123	7120.28633	204549.669	160118.33	48764.2977	28384.217
343.27	473.12	478.08	242.53	162.93	108.41	93.02	318.97	290.78	195.92	136.43
83403.6553	164137.478	159160.694	118897.407	42913.2812	12704.1293	5878.25446	138963.651	105371.084	36724.194	23756.473
117381.62	232713.025	212181.94	216755.099	52485.5321	14510.1073	6392.34135	189723.582	149463.693	47110.146	27939.812
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19.330963	40.712275	35.839765	12.082373	6.710132	6.187567	7.374375	26.231325	20.724489	7.986873	4.431728
2297.7	4823	4381.3	3023	1227.2	349.8	125.6	2711.9	2098.6	825.3	525.5
6.527556	15.071875	11.905706	9.446875	3.486363	1.041071	0.3925	7.704261	6.558125	2.344602	1.563988
38348.2219	82844.8802	60522.2862	101901.733	9676.73236	1914.22386	567.441465	54888.5746	47610.8193	10714.4566	4242.769
38348.2219	82844.8802	60522.2862	101901.733	9676.73236	1914.22386	567.441465	54888.5746	47610.8193	10714.4566	4242.769
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1.74	5.14	3.85	0.74	0.05	0.15	0.16	1.21	0.62	0.11	0.06
18286.988	45367.3927	37193.5015	23134.6929	7625.9488	2131.4739	828.8034	23588.6319	17959.898	5697.7619	3136.4689
0.59	0.88	0.37	0.18	0.26	0.13	0.11	0.91	0.23	0.13	0.17
335.206	525.272	234.048	99.902	132.574	53.092	44.924	529.061	138.113	65.693	82.357
91492.9586	197138.639	179231.188	123323.332	43536.2748	13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448
91492.9586	197138.639	179231.188	123323.332	43536.2748	13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448
90894.0826	195993.003	178506.622	122755.25	43308.6368	13346.1391	6507.92086	148791.433	112092.966	37917.9001	24025.499
2297.7	4823	4381.3	3023	1227.2	349.8	125.6	2711.9	2098.6	825.3	525.5
335.206	525.272	234.048	99.902	132.574	53.092	44.924	529.061	138.113	65.693	82.357
91492.9586	197138.639	179231.188	123323.332	43536.2748	13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448
263.67	620.364	490.518	468.18	95.064	13.668		340.6	276.432	66.248	33.592

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1353.6	1236.8	1427.56	1258.88	1369.6	1304.44	1232.8	1358.44	1242.28	1371.2	1311.88
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1408	1280	1472	1280	1408	1344	1280	1408	1280	1408	1344
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147645.517	279495.187	312381.052	201411.595	255965.459	253913.048	265985.459	294229.139	258820.046	274886.216	249228.22
633.19837	1082.31954	1283.60845	993.117626	1280.99602	1174.68768	1033.95817	1154.66418	1055.17271	1245.2808	1254.7018
7186.212	13726.688	15296.516	9717.398	12455.74	12363.992	13022.41	12761.398	11197.572	11889.48	10872.174
0.047613	0.06275	0.059293	0.060218	0.0625	0.050654	0.053156	0.050767	0.050718	0.061335	0.057738
72887.7994	138120.664	154198.164	99507.687	126406.612	125464.639	131420.677	129459.336	113883.74	121080.139	111031.13
64978.5974	122794.278	137452.46	88596.8986	112602.45	111617.888	116903.121	125045.944	110004.825	116742.387	107161.01
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79433.1238	150523.899	168045.16	108443.477	137757.925	136731.364	143222.253	163312.952	143664.338	152742.596	140065.77
11599.284	17575.312	20286.148	17622.778	19338	18692.228	17755.214	19580.018	17800.922	19362.026	18552.76
32.952511	54.92285	55.125402	55.071181	54.9375	55.63163	55.485043	55.625051	55.627881	55.005755	55.216547
20627.2	18752	21564.8	18752	20627.2	19689.6	18752	20627.2	18752	20627.2	19689.6
58.6	58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
7186.212	13726.688	15296.516	9717.398	12455.74	12363.992	13022.41	12761.398	11197.572	11889.48	10872.174
23.122044	22.208855	21.858636	24.565831	22.477441	22.334394	22.327381	25.660854	26.119255	25.932022	25.952034
20.718144	20.399329	20.436278	21.249889	20.602959	20.592229	20.464595	23.503126	23.597232	23.449922	23.495124
158981.695	300710.034	331976.445	221656.38	277180.306	273346.496	286714.47	315372.729	277485.872	297254.023	271884.92
238859.062	546225.923	556497.209	388540.158	349554.792	335234.812	380010.355	555955.64	469600.947	385827.313	323094.39
79877.3675	245515.889	224520.764	166883.778	72374.4865	61888.316	93295.8852	240582.911	192115.076	88573.289	51209.471
238859.062	546225.923	556497.209	388540.158	349554.792	335234.812	380010.355	555955.64	469600.947	385827.313	323094.39
197.94	299.92	346.18	300.73	330	318.98	302.99	334.13	303.77	330.41	316.05
			1.609544						67.927195	2999.7692
			1.683416						103.768796	4415.9772
			0.069049						0.716621	6.455137
			0.069049						2.957993	132.17893
21.610325	21.994007	22.53003	20.087102	21.000647	22.942442	23.670281	28.543157	26.602281	24.464224	22.043276
4.322065	6.598202	6.083108	4.414557	6.930213	7.341581	8.047895	19.123915	17.823528	20.300499	21.35131
7186.212	13726.688	15296.516	9717.398	12455.74	12363.992	13022.41	12761.398	11197.572	11889.48	10872.174
20.415375	42.8959	41.566619	30.366868	35.385625	36.797595	40.695031	36.253971	34.992412	33.776931	32.35766
41778.9148	173320.218	143921.383	114871.11	6301.7505	-3692.0508	24602.2976	172914.516	132588.045	25284.7003	-6826.5008
41778.9148	173320.218	143921.383	114871.11	6301.7505	-3692.0508	24602.2976	172914.516	132588.045	25284.7003	-6826.5008
7186.212	13726.688	15296.516	9717.32895	12455.74	12363.992	13022.41	12761.398	11197.572	11886.522	10739.995
147645.517	279495.187	312381.052	201411.595	255965.459	253913.048	265985.459	294229.139	258820.046	274886.216	249228.22
			0.01							1.06
-79877.368	-245515.89	-224520.76	-166883.78	-72374.486	-61888.316	-93295.885	-240582.91	-192115.08	-88573.289	-51209.471
-79877.368	-245515.89	-224520.76	-166885.46	-72374.486	-61888.316	-93295.885	-240582.91	-192115.08	-88677.058	-55625.448
1.07	1.13	1.28	1.58	2.08	2.13	2.86	13.77	13.04	15.63	16.54
0.40909										
38975.7862	69701.2337	76083.0464	55177.8062	59390.6054	61790.311	70096.2989	77022.5709	68014.7903	65720.7244	57027.574
0.7	1.31	1.21	1.25	1.31	1.2	1.28	1.28	1.13	1.35	1.19
11336.178	21214.8474	19595.3934	20243.175	21214.8474	19433.448	20729.0112	21143.5904	18665.8259	22299.8805	19656.932
197080.147	372905.705	412575.826	273669.048	343253.042	338926.862	355408.058	383041.124	337012.903	360542.612	329920.89
197080.147	372905.705	412575.826	273669.048	343253.042	338926.862	355408.058	383041.124	337012.903	360542.612	329920.89

144411.721	273318.177	305497.619	197040.376	250360.376	248349.251	260125.374	288358.896	253669.163	269484.982	247226.79
7186.212	13726.688	15296.516	9717.398	12455.74	12363.992	13022.41	12761.398	11197.572	11889.48	10872.174
11336.178	21214.8474	19595.3934	20243.175	21214.8474	19433.448	20729.0112	21143.5904	18665.8259	22299.8805	19656.932
197080.147	372905.705	412575.826	273669.048	343253.042	338926.862	355408.058	383041.124	337012.903	360542.612	329920.89
3233.7954	6177.0096	6883.4322	4372.8291	5605.083	5563.7964	5860.0845	5870.24308	5150.88312	5469.1608	5001.2

8.4	13.35	12.3	4.95	4.5	3.3	1.65	7.35	8.25	5.7	3.45
0.122296	0.29576	0.225946	0.188826	0.059629	0.014433	0.003315	0.148041	0.125362	0.040526	0.024779
0.119517	0.287062	0.219918	0.180906	0.057357	0.014136	0.003093	0.145965	0.120718	0.039261	0.022767
1464.80752	5238.46744	3383.82961	594.624963	28.169752	57.551434	46.285631	2017.26167	1273.45402	133.951447	48.118526
5.785543	18.415834	12.572703	2.513891	0.137381	0.261158	0.171655	7.717715	5.020549	0.571487	0.23671
588.98	1286.04	1133.02	810.46	282.66	66.5	13.86	719.32	540.82	193.48	107.1
0.025113	0.027906	0.038722	0.031156	0.036732	0.027648	0.026218	0.021846	0.02825	0.029034	0.035595
8834.7	19290.6	16995.3	12156.9	4239.9	997.5	207.9	10789.8	8112.3	2902.2	1606.5
24388.8415	54585.946	48320.2106	34108.3543	10347.0649	2606.90218	772.925431	41136.8461	30135.3424	9356.5019	5172.5503
1.585893	2.504232	2.314997	0.923639	0.782234	0.634745	0.410132	1.677649	1.835051	1.138851	0.750186
546.477522	1836.93386	1179.23661	203.8361	12.273163	23.206934	12.6	515.670515	304.83102	46.168647	13.613059
4804.24	4354.98	4952.5	4340.42	4746.98	4573.94	4362.54	4820.34	4353.44	4784.92	4536.56
13.648409	13.609312	13.45788	13.563812	13.485738	13.612916	13.632937	13.694147	13.6045	13.593522	13.501666
4928	4480	5152	4480	4928	4704	4480	4928	4480	4928	4704
14	14	14	14	14	14	14	14	14	14	14
588.98	1286.04	1133.02	810.46	282.66	66.5	13.86	719.32	540.82	193.48	107.1
25.304392	38.085606	35.049348	13.918701	11.921573	9.620186	6.425427	25.88777	27.642564	17.173925	11.356752
25.304392	38.085606	35.049348	13.918701	11.921573	9.620186	6.425427	25.88777	27.642564	17.173925	11.356752
24756.3415	54963.946	48509.2106	34223.8543	10462.5649	2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503
34427.4664	76475.4943	64038.8874	61845.9756	12624.1462	2990.04635	840.839591	55874.3756	42029.1107	12005.2815	6132.8979
9671.12489	21511.5483	15529.6768	27622.1213	2161.5813	351.644178	46.91416	14233.5295	11820.2683	2596.27957	886.84758
34427.4664	76475.4943	64038.8874	61845.9756	12624.1462	2990.04635	840.839591	55874.3756	42029.1107	12005.2815	6132.8979
191.25	263.53	258.72	131.16	88.37	66.74	38.22	170.7	168.46	125.05	86.73
23291.534	49725.4785	45125.381	33629.2294	10434.3952	2580.85074	747.639799	39623.5845	28935.3883	9275.05046	5197.9318
32118.7872	69353.7761	59502.338	60749.3588	12590.1871	2917.34481	792.063327	53081.4151	40176.2576	11842.0868	6081.5991
7.778169	12.202826	11.192178	4.599598	4.196815	3.079735	1.54	6.726202	7.507763	5.270992	3.210976
552.548165	1163.57774	1054.40423	796.870926	281.841789	64.952871	13.02	684.941965	520.497931	190.40209	106.19246
44.619523	44.852068	45.190682	44.437428	37.536256	39.943637	56.515872	56.19775	57.75253	51.639998	54.425928

12.939661	32.158828	27.833524	6.665614	1.126087	0.399436	1.130317	16.20604	10.97298	4.131199	1.632777
588.98	1286.04	1133.02	810.46	282.66	66.5	13.86	719.32	540.82	193.48	107.1
1.673238	4.018875	3.078858	2.532687	0.803011	0.197916	0.043312	2.043522	1.690062	0.549659	0.31875
9671.12489	21511.5483	15529.6768	27622.1213	2161.5813	351.644178	46.91416	14233.5295	11820.2683	2596.27957	886.84758
9671.12489	21511.5483	15529.6768	27622.1213	2161.5813	351.644178	46.91416	14233.5295	11820.2683	2596.27957	886.84758
36.431834	122.462257	78.615774	13.589073	0.81821	1.547128	0.84	34.378034	20.322068	3.077909	0.907537
1464.80752	5238.46744	3383.82961	594.624963	28.169752	57.551434	46.285631	2017.26167	1273.45402	133.951447	48.118526
16.28	29.98	31.71	13.91	11.21	3.4	0.93	18.28	13.18	7.27	4.68
-9671.1249	-21511.548	-15529.677	-27622.121	-2161.5813	-351.64418	-46.91416	-14233.529	-11820.268	-2596.2796	-886.84758
-41789.912	-90865.324	-75032.015	-88371.48	-14751.768	-3268.989	-838.97749	-67314.945	-51996.526	-14438.366	-6968.4466
0.59	2.76	1.97	0.1	0.02	0.03	0.06	0.7	0.32	0.13	0.04
10015.0341	25038.1628	20645.6008	12141.2537	4085.9923	1041.755	257.8031	13130.5844	9582.6695	3095.5736	1543.1836
0.35	0.36	0.18	0.11	0.11	0.03	0.02	0.48	0.07	0.05	0.07
367.5	378	189	115.5	115.5	31.5	21	504	73.5	52.5	73.5
24756.3415	54963.946	48509.2106	34223.8543	10462.5649	2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503
24756.3415	54963.946	48509.2106	34223.8543	10462.5649	2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503
24388.8415	54585.946	48320.2106	34108.3543	10347.0649	2606.90218	772.925431	41136.8461	30135.3424	9356.5019	5172.5503
588.98	1286.04	1133.02	810.46	282.66	66.5	13.86	719.32	540.82	193.48	107.1
367.5	378	189	115.5	115.5	31.5	21	504	73.5	52.5	73.5
24756.3415	54963.946	48509.2106	34223.8543	10462.5649	2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503

11.043936	10.832191	10.820807	11.21494	10.859801	10.824178	10.715865	10.967667	11.002657	10.895411	10.920751
0.425632	0.594357	0.553206	0.422351	0.422614	0.401568	0.426972	0.481468	0.456561	0.417035	0.392632
0.384465	0.571654	0.532341	0.402436	0.406915	0.385831	0.408239	0.464276	0.438741	0.401191	0.37635
1021811.85	1400653.46	1441390.18	838260.044	934142.625	949437.16	1084352.82	1254109.44	1070983.32	1031869.79	838448.81
4589.34011	5352.78923	5878.92041	4111.08877	4664.3366	4384.72428	4201.64192	4907.57975	4355.10987	4665.13691	4219.5088
49680.268	67153.42	71915.508	47275.06	52581.288	47590.594	47956.678	59993.41	51539.9	51841.64	46421.166
0.033688	0.035928	0.033826	0.034309	0.033217	0.035411	0.030616	0.033024	0.035676	0.034444	0.037053
544482.528	727463.104	777595.538	522345.562	568971.378	513173.124	512197.869	650167.455	559610.525	559987.845	502568.57
645214.335	975139.153	1001458.49	654245.375	595369.8	496085.209	490330.279	921762.887	761466.398	630096.936	550438.29
2.221546	2.281424	2.257924	2.218907	2.1717	2.156513	2.170352	2.388949	2.36458	2.268952	2.258075
579930.795	696425.676	772936.92	531763.089	643043.035	612238.53	624650.418	687930.475	603141.684	650614.552	590134.02
15599.4512	53916.318	34766.2007	7091.34763	2637.25162	1799.28392	3289.42781	14692.4957	10063.3224	3185.2916	987.03869
116593.199	112973.922	129985.533	112143.813	124416.32	118480.593	112269.039	124567.808	112961.952	124245.256	118229.65

331.230678	353.043506	353.221557	350.449415	353.455454	352.620812	350.840746	353.885818	353.0061	352.969477	351.87396
129219.2	117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.1
49680.268	67153.42	71915.508	47275.06	52581.288	47590.594	47956.678	59993.41	51539.9	51841.64	46421.166
170.710411	215.9645	206.475414	143.91101	134.406727	125.90259	122.130232	181.227812	182.287886	147.790005	136.98023
26.000845	26.406368	26.027973	26.22515	24.892267	24.506912	24.383504	27.608933	27.377744	25.983067	25.910366
1327668.12	1817936.33	1924970.58	1288300.6	1341689.74	1194439.95	1199697.41	1735046.6	1471512.4	1382415.73	1232142.4
1715865.27	2888261.84	2821412.2	2073004.51	1515638.91	1308549.96	1432590.02	2768334.68	2272652.64	1703731.3	1375452.7
388197.154	1070325.51	896441.617	784703.907	173949.167	114110.012	232892.611	1033288.08	801140.244	321315.569	143310.22
1715865.27	2888261.84	2821412.2	2073004.51	1515638.91	1308549.96	1432590.02	2768334.68	2272652.64	1703731.3	1375452.7
1625.51	1941.72	2094.24	1424.14	1441.84	1298.96	1169.8	1761.13	1601.44	1525.44	1341.68
283304.467	387661.963	452843.908	421607.862	377067.071	215972.701	85989.0836	450377.349	372002.941	317984.409	363338.86
400650.286	558109.986	623842.239	801497.905	469408.178	258699.791	104007.018	685779.832	573973.089	429088.733	456402.44
13.947706	15.359714	16.26437	8.351652	17.232127	14.363105	10.934366	12.973031	13.465664	15.001927	17.056073
8474.00042	10568.2842	12833.5837	12881.8311	13179.4568	7638.91138	2702.92432	10639.6074	9242.28405	10111.5331	12297.119
27.239979	34.468624	32.714289	21.599658	23.494753	24.997649	29.355503	32.348526	29.682697	26.810065	24.363738
27.152235	34.246981	32.653235	21.520912	23.307792	24.848643	29.27394	32.282088	29.651718	26.667205	24.125852
49680.268	67153.42	71915.508	47275.06	52581.288	47590.594	47956.678	59993.41	51539.9	51841.64	46421.166
141.137125	209.854437	195.422576	147.734562	149.378659	141.638672	149.864618	170.435823	161.062187	147.277386	138.15823
147817.923	778458.751	572362.628	563287.107	-96141.354	-143858.91	-28622.661	745843.363	549202.95	48190.8245	-104680.74
147817.923	778458.751	572362.628	563287.107	-96141.354	-143858.91	-28622.661	745843.363	549202.95	48190.8245	-104680.74
41206.2676	56585.1358	59081.9243	34393.2289	39401.8312	39951.6826	45253.7537	49353.8026	42297.6159	41730.1069	34124.047
1021811.85	1400653.46	1441390.18	838260.044	934142.625	949437.16	1084352.82	1254109.44	1070983.32	1031869.79	838448.81
121.46	158.33	181.18	122.89	166.64	136.16	86.8	148.3	135.04	154.15	155.36
-388197.15	-1070325.5	-896441.62	-784703.91	-173949.17	-114110.01	-232892.61	-1033288.1	-801140.24	-321315.57	-143310.22
-788847.44	-1628435.5	-1520283.9	-1586201.8	-643357.34	-372809.8	-336899.63	-1719067.9	-1375113.3	-750404.3	-599712.66
229.71	161.67	186.69	196.44	185.06	199.74	232.73	203.47	184.79	197.76	180.56
0.03719			0.004545			0.00909				
229013.072	333746.619	335143.08	222658.871	213179.572	203874.15	220750.734	303983.854	258348.726	227702.822	190817.34
4.8	5.23	4.93	3.68	4.49	3.9	3.65	5.13	3.86	4.13	4.17
23640.1154	30902.3032	31541.409	28832.2021	31076.2948	29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018
1568047.35	2109803.09	2249049.57	1509717.4	1611780.26	1452408.87	1461212.68	2022491.31	1723449.69	1655540.48	1480133.4
1568047.35	2109803.09	2249049.57	1509717.4	1611780.26	1452408.87	1461212.68	2022491.31	1723449.69	1655540.48	1480133.4
1225145.13	1671564.83	1774395.41	1186008.46	1238412.83	1108323.74	1114980.7	1609693.36	1364608.08	1280711.49	1140572.3
49680.268	67153.42	71915.508	47275.06	52581.288	47590.594	47956.678	59993.41	51539.9	51841.64	46421.166

23640.1154	30902.3032	31541.409	28832.2021	31076.2948	29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018
1568047.35	2109803.09	2249049.57	1509717.4	1611780.26	1452408.87	1461212.68	2022491.31	1723449.69	1655540.48	1480133.4
78882.8735	115469.199	119033.765	73459.9352	72200.614	56739.4647	55074.3945	93523.6099	77952.717	68783.9368	60815.118
0.03			0.16	0.01						0.06

2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
308422.351	265471.998	288557.654	190388.926	176350.251	237772.945	372231.475	317350.876	265310.442	233299.041	156954
1399.24606	1042.29913	1198.52982	923.429067	874.492774	1094.98	1441.7647	1232.86346	1074.9195	1051.95313	789.19189
-77525.783	-82656.033	-89309.623	-65144.216	-70464.294	-72650.027	-82350.25	-89944.837	-78604.138	-77628.724	-66646.083
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
308422.351	265471.998	288557.654	190388.926	176350.251	237772.945	372231.475	317350.876	265310.442	233299.041	156954
229.41	160.44	185.45	196.39	184.23	198.88	231.26	202.16	183.72	196.84	179.43
161.283168	174.045292	170.504964	132.640104	127.429539	145.295831	178.431205	164.021526	160.869827	139.110865	117.00203
70.332377	71.557038	71.558276	61.594607	60.527464	65.49127	75.313627	75.199773	78.078543	62.154265	50.278801
17977.918	12642.869	14695.5331	15022.3443	11460.3178	13560.4531	18274.1088	18828.8428	17168.8542	13410.9683	9589.2772
-77525.783	-82656.033	-89309.623	-65144.216	-70464.294	-72650.027	-82350.25	-89944.837	-78604.138	-77628.724	-66646.083
-220.2437	-258.3001	-242.68919	-203.57567	-200.18265	-216.22032	-257.34453	-255.5251	-245.63793	-220.53615	-198.35144
-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7	-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5
-27.308476	-37.388893	-33.655722	-29.523716	-24.171234	-24.148397	-26.80379	-35.407839	-33.046282	-27.360101	-24.793255
-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7	-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
2430421.26	3351513.9	3292313.71	2117348.79	1878963	1991896.9	2579804.2	3497542.44	2863366.18	2357077.07	1809897.5
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5

2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
308422.351	265471.998	288557.654	190388.926	176350.251	237772.945	372231.475	317350.876	265310.442	233299.041	156954
1399.24606	1042.29913	1198.52982	923.429067	874.492774	1094.98	1441.7647	1232.86346	1074.9195	1051.95313	789.19189
-77525.783	-82656.033	-89309.623	-65144.216	-70464.294	-72650.027	-82350.25	-89944.837	-78604.138	-77628.724	-66646.083
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
308422.351	265471.998	288557.654	190388.926	176350.251	237772.945	372231.475	317350.876	265310.442	233299.041	156954
229.41	160.44	185.45	196.39	184.23	198.88	231.26	202.16	183.72	196.84	179.43

161.283168	174.045292	170.504964	132.640104	127.429539	145.295831	178.431205	164.021526	160.869827	139.110865	117.00203
70.332377	71.557038	71.558276	61.594607	60.527464	65.49127	75.313627	75.199773	78.078543	62.154265	50.278801
17977.918	12642.869	14695.5331	15022.3443	11460.3178	13560.4531	18274.1088	18828.8428	17168.8542	13410.9683	9589.2772
-77525.783	-82656.033	-89309.623	-65144.216	-70464.294	-72650.027	-82350.25	-89944.837	-78604.138	-77628.724	-66646.083
-220.2437	-258.3001	-242.68919	-203.57567	-200.18265	-216.22032	-257.34453	-255.5251	-245.63793	-220.53615	-198.35144
-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7	-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5
-27.308476	-37.388893	-33.655722	-29.523716	-24.171234	-24.148397	-26.80379	-35.407839	-33.046282	-27.360101	-24.793255
-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7	-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
2430421.26	3351513.9	3292313.71	2117348.79	1878963	1991896.9	2579804.2	3497542.44	2863366.18	2357077.07	1809897.5
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5

158517.297	110909.422	125441.409	140023.223	176734.397	172719.8	167845.712	201204.768	189152.973	207453.77	213977.33
733.159112	435.073477	522.755617	695.93081	886.401941	801.839512	654.533061	789.670628	772.676352	945.357128	1081.8922
5895.02778	4124.56014	4664.98358	5207.26007	6572.49523	6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471
157008.932	148726.239	152790.196	151048.287	158014.626	154031.805	165797.139	251858.803	219847.001	198930.923	187366.5
5895.02778	4124.56014	4664.98358	5207.26007	6572.49523	6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471
16.747238	12.88925	12.676585	16.272687	18.671861	19.116661	19.506056	20.255296	20.946245	20.884383	22.566877
-1508.3655	37816.8167	27348.7876	11025.0632	-18719.771	-18687.994	-2048.5731	50654.0359	30694.0277	-8522.8479	-26610.834
-1508.3655	37816.8167	27348.7876	11025.0632	-18719.771	-18687.994	-2048.5731	50654.0359	30694.0277	-8522.8479	-26610.834
5895.02778	4124.56014	4664.98358	5207.26007	6572.49523	6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471
158517.297	110909.422	125441.409	140023.223	176734.397	172719.8	167845.712	201204.768	189152.973	207453.77	213977.33
1508.36554	-37816.817	-27348.788	-11025.063	18719.7711	18687.9945	2048.57311	-50654.036	-30694.028	8522.84792	26610.834
1508.36554	-37816.817	-27348.788	-11025.063	18719.7711	18687.9945	2048.57311	-50654.036	-30694.028	8522.84792	26610.834
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
158517.297	110909.422	125441.409	140023.223	176734.397	172719.8	167845.712	201204.768	189152.973	207453.77	213977.33

158517.297	110909.422	125441.409	140023.223	176734.397	172719.8	167845.712	201204.768	189152.973	207453.77	213977.33
5895.02778	4124.56014	4664.98358	5207.26007	6572.49523	6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471
158517.297	110909.422	125441.409	140023.223	176734.397	172719.8	167845.712	201204.768	189152.973	207453.77	213977.33
158517.297	110909.422	125441.409	140023.223	176734.397	172719.8	167845.712	201204.768	189152.973	207453.77	213977.33
5895.02778	4124.56014	4664.98358	5207.26007	6572.49523	6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471
157008.932	148726.239	152790.196	151048.287	158014.626	154031.805	165797.139	251858.803	219847.001	198930.923	187366.5
-1508.3655	37816.8167	27348.7876	11025.0632	-18719.771	-18687.994	-2048.5731	50654.0359	30694.0277	-8522.8479	-26610.834
158517.297	110909.422	125441.409	140023.223	176734.397	172719.8	167845.712	201204.768	189152.973	207453.77	213977.33
164709.627	115672.969	130753.282	145670.377	183887.84	179792.266	174696.592	207956.39	195538.258	214394.636	221321.94
761.839511	453.723727	544.874563	724.02061	922.311887	834.678375	681.270249	816.173207	798.751103	976.993503	1119.0131
6609.53561	4641.77244	5246.92143	5845.52075	7379.12682	7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986
176033.098	167461.788	171879.713	169567.231	177412.365	173011.731	186185.534	282977.655	247060.058	223467.948	210621.72
18.071752		23.289621	19.9693	23.462021	25.143376	28.002084	14.097272	32.020462	33.558081	33.694449
1.44574		0.698688	1.397851	1.642341	0.754301	1.680125	0.281945	1.280818	1.342323	0.673888
6609.53561	4641.77244	5246.92143	5845.52075	7379.12682	7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986
18.777089	14.505538	14.257938	18.267252	20.963428	21.472553	21.907176	22.757519	23.538407	23.462082	25.373507
11323.4705	51788.8186	41126.431	23896.8539	-6475.4756	-6780.5344	11488.9421	75021.2656	51521.8004	9073.31137	-10700.226
11323.4705	51788.8186	41126.431	23896.8539	-6475.4756	-6780.5344	11488.9421	75021.2656	51521.8004	9073.31137	-10700.226
6609.53561	4641.77244	5246.92143	5845.52075	7379.12682	7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986
164709.627	115672.969	130753.282	145670.377	183887.84	179792.266	174696.592	207956.39	195538.258	214394.636	221321.94
-11323.47	-51788.819	-41126.431	-23896.854	6475.47559	6780.5344	-11488.942	-75021.266	-51521.8	-9073.3114	10700.226
-11323.47	-51788.819	-41126.431	-23896.854	6475.47559	6780.5344	-11488.942	-75021.266	-51521.8	-9073.3114	10700.226
0.8		0.13	0.51	0.29	0.1	0.47	0.23	0.17	0.09	0.02
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
164709.627	115672.969	130753.282	145670.377	183887.84	179792.266	174696.592	207956.39	195538.258	214394.636	221321.94
164709.627	115672.969	130753.282	145670.377	183887.84	179792.266	174696.592	207956.39	195538.258	214394.636	221321.94
6609.53561	4641.77244	5246.92143	5845.52075	7379.12682	7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986
164709.627	115672.969	130753.282	145670.377	183887.84	179792.266	174696.592	207956.39	195538.258	214394.636	221321.94
164709.627	115672.969	130753.282	145670.377	183887.84	179792.266	174696.592	207956.39	195538.258	214394.636	221321.94
6609.53561	4641.77244	5246.92143	5845.52075	7379.12682	7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986
176033.098	167461.788	171879.713	169567.231	177412.365	173011.731	186185.534	282977.655	247060.058	223467.948	210621.72
11323.4705	51788.8186	41126.431	23896.8539	-6475.4756	-6780.5344	11488.9421	75021.2656	51521.8004	9073.31137	-10700.226
164709.627	115672.969	130753.282	145670.377	183887.84	179792.266	174696.592	207956.39	195538.258	214394.636	221321.94

164359.551	145064.656	179760.905	116598.876	104905.283	120738.851	144091.464	165543.817	134931.05	168448.613	163973.98
759.117216	565.488383	744.813245	576.875278	526.300747	560.793113	562.196172	649.012574	550.981165	769.023507	831.19182
3208.26763	2831.63489	3508.89918	2275.9882	2047.73146	2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414
86337.8258	102882.048	115822.215	67727.9433	48958.3904	55689.8423	74599.3962	113841.446	84948.8297	87810.8954	79049.182
3208.26763	2831.63489	3508.89918	2275.9882	2047.73146	2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414
9.114396	8.848859	9.535052	7.112463	5.817418	7.014284	8.789494	9.180069	8.230715	9.341151	9.526016
-78021.725	-42182.608	-63938.69	-48870.932	-55946.892	-65049.008	-69492.067	-51702.371	-49982.22	-80637.718	-84924.8
-78021.725	-42182.608	-63938.69	-48870.932	-55946.892	-65049.008	-69492.067	-51702.371	-49982.22	-80637.718	-84924.8
3208.26763	2831.63489	3508.89918	2275.9882	2047.73146	2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414
164359.551	145064.656	179760.905	116598.876	104905.283	120738.851	144091.464	165543.817	134931.05	168448.613	163973.98
78021.725	42182.6079	63938.6896	48870.9323	55946.8925	65049.0084	69492.0674	51702.3715	49982.2204	80637.7179	84924.8
78021.725	42182.6079	63938.6896	48870.9323	55946.8925	65049.0084	69492.0674	51702.3715	49982.2204	80637.7179	84924.8
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	67515.4133	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
164359.551	145064.656	179760.905	116598.876	104905.283	120738.851	144091.464	165543.817	134931.05	168448.613	163973.98
164359.551	145064.656	179760.905	116598.876	104905.283	120738.851	144091.464	165543.817	134931.05	168448.613	163973.98
3208.26763	2831.63489	3508.89918	2275.9882	2047.73146	2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414
164359.551	145064.656	179760.905	116598.876	104905.283	120738.851	144091.464	165543.817	134931.05	168448.613	163973.98
164359.551	145064.656	179760.905	116598.876	104905.283	120738.851	144091.464	165543.817	134931.05	168448.613	163973.98
3208.26763	2831.63489	3508.89918	2275.9882	2047.73146	2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414
86337.8258	102882.048	115822.215	67727.9433	48958.3904	55689.8423	74599.3962	113841.446	84948.8297	87810.8954	79049.182
-78021.725	-42182.608	-63938.69	-48870.932	-55946.892	-65049.008	-69492.067	-51702.371	-49982.22	-80637.718	-84924.8
164359.551	145064.656	179760.905	116598.876	104905.283	120738.851	144091.464	165543.817	134931.05	168448.613	163973.98

166243.176	115733.013	133522.514	151767.988	227840.53	198770.619	174385.198	219758.983	147060.411	232678.331	234910.76
771.693274	457.865546	559.426849	756.947609	1144.82696	923.914423	682.7274	865.802364	603.212183	1061.67704	1188.5944
2628.76622	1830.06029	2111.36169	2399.87331	3602.79143	3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475
69319.9608	62022.8822	66741.2935	69422.8194	86058.2054	74540.7114	71705.0551	121314.023	73413.6445	95168.0286	90006.093
2628.76622	1830.06029	2111.36169	2399.87331	3602.79143	3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475
7.468085	5.718938	5.737395	7.499604	10.235202	9.35451	8.617231	9.631522	7.089845	10.197747	10.785855
-96923.215	-53710.131	-66781.22	-82345.169	-141782.32	-124229.91	-102680.14	-98444.96	-73646.766	-137510.3	-144904.67
-96923.215	-53710.131	-66781.22	-82345.169	-141782.32	-124229.91	-102680.14	-98444.96	-73646.766	-137510.3	-144904.67
2628.76622	1830.06029	2111.36169	2399.87331	3602.79143	3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475
166243.176	115733.013	133522.514	151767.988	227840.53	198770.619	174385.198	219758.983	147060.411	232678.331	234910.76
96923.215	53710.1307	66781.22	82345.1686	141782.325	124229.907	102680.143	98444.9596	73646.7665	137510.303	144904.67
96923.215	53710.1307	66781.22	82345.1686	141782.325	124229.907	102680.143	98444.9596	73646.7665	137510.303	144904.67

77171.3956	80435.7334	89309.6233	64718.0098	70464.294	72507.8424	82350.2496	88622.5147	75788.5269	77628.7238	66646.083
166243.176	115733.013	133522.514	151767.988	227840.53	198770.619	174385.198	219758.983	147060.411	232678.331	234910.76
166243.176	115733.013	133522.514	151767.988	227840.53	198770.619	174385.198	219758.983	147060.411	232678.331	234910.76
2628.76622	1830.06029	2111.36169	2399.87331	3602.79143	3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475
166243.176	115733.013	133522.514	151767.988	227840.53	198770.619	174385.198	219758.983	147060.411	232678.331	234910.76
166243.176	115733.013	133522.514	151767.988	227840.53	198770.619	174385.198	219758.983	147060.411	232678.331	234910.76
2628.76622	1830.06029	2111.36169	2399.87331	3602.79143	3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475
69319.9608	62022.8822	66741.2935	69422.8194	86058.2054	74540.7114	71705.0551	121314.023	73413.6445	95168.0286	90006.093
-96923.215	-53710.131	-66781.22	-82345.169	-141782.32	-124229.91	-102680.14	-98444.96	-73646.766	-137510.3	-144904.67
166243.176	115733.013	133522.514	151767.988	227840.53	198770.619	174385.198	219758.983	147060.411	232678.331	234910.76
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
3025.80912	1912.15114	2371.87028	2753.77431	3479.84154	3121.22542	2580.72688	3120.65877	2725.62081	3753.05118	4220.6915
18341.5972	13428.0278	15532.1659	15728.6423	19602.1449	19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759
488699.816	481092.957	507233.418	457766.28	470443.586	457274.09	498287.124	769991.928	625269.534	605377.794	567043.49
18.071752		23.289621	19.9693	23.462021	25.143376	28.002084	14.097272	32.020462	33.558081	33.694449
1.44574		0.698688	1.397851	1.642341	0.754301	1.680125	0.281945	1.280818	1.342323	0.673888
18341.5972	13428.0278	15532.1659	15728.6423	19602.1449	19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759
52.10681	41.962586	42.206972	49.152007	55.687911	56.958009	58.819959	61.824406	59.805213	63.885365	68.252257
-165129.84	-6287.1033	-62244.691	-96294.184	-222924.46	-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53
-165129.84	-6287.1033	-62244.691	-96294.184	-222924.46	-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53
18341.5972	13428.0278	15532.1659	15728.6423	19602.1449	19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
165129.835	6287.10329	62244.691	96294.1838	222924.464	214747.444	162731.841	24472.0296	41413.1587	217597.557	267140.53
165129.835	6287.10329	62244.691	96294.1838	222924.464	214747.444	162731.841	24472.0296	41413.1587	217597.557	267140.53
0.8		0.13	0.51	0.29	0.1	0.47	0.23	0.17	0.09	0.02
309748.744	328403.831	357238.493	260150.656	281857.176	285323.31	329400.998	358457.025	311600.942	310514.895	266584.33
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
18341.5972	13428.0278	15532.1659	15728.6423	19602.1449	19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
18341.5972	13428.0278	15532.1659	15728.6423	19602.1449	19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759
488699.816	481092.957	507233.418	457766.28	470443.586	457274.09	498287.124	769991.928	625269.534	605377.794	567043.49
-165129.84	-6287.1033	-62244.691	-96294.184	-222924.46	-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53

653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
11.043936	10.832191	10.820807	11.21494	10.859801	10.824178	10.715865	10.967667	11.002657	10.895411	10.920751
0.425632	0.594357	0.553206	0.422351	0.422614	0.401568	0.426972	0.481468	0.456561	0.417035	0.392632
0.384465	0.571654	0.532341	0.402436	0.406915	0.385831	0.408239	0.464276	0.438741	0.401191	0.37635
2121998.91	3086041.9	3003756.06	1926959.87	1702612.75	1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5
1984063.86	2153505.52	2299425.94	1582709.43	1803860.93	1859231.64	2117603.25	2365924.28	2002976.45	2088144.18	1829586.8
9014.39528	8307.23949	9449.32051	7788.29215	9018.67091	8600.9297	8224.1335	9261.10198	8155.65017	9470.14123	9229.3922
-9503.9176	-2074.5848	-1861.9494	-2140.5132	1719.13894	-5921.5417	-15571.184	-8189.2354	-7926.5702	-3299.4352	2707.8417
2762650.5	2511500.46	2888225.53	2511500.46	2762650.5	2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817
0.033688	0.035928	0.033826	0.034309	0.033217	0.035411	0.030616	0.033024	0.035676	0.034444	0.037053
544482.528	727463.104	777595.538	522345.562	568971.378	513173.124	512197.869	650167.455	559610.525	559987.845	502568.57
645214.335	975139.153	1001458.49	654245.375	595369.8	496085.209	490330.279	921762.887	761466.398	630096.936	550438.29
2.221546	2.281424	2.257924	2.218907	2.1717	2.156513	2.170352	2.388949	2.36458	2.268952	2.258075
579930.795	696425.676	772936.92	531763.089	643043.035	612238.53	624650.418	687930.475	603141.684	650614.552	590134.02
15599.4512	53916.318	34766.2007	7091.34763	2637.25162	1799.28392	3289.42781	14692.4957	10063.3224	3185.2916	987.03869
116593.199	112973.922	129985.533	112143.813	124416.32	118480.593	112269.039	124567.808	112961.952	124245.256	118229.65
331.230678	353.043506	353.221557	350.449415	353.455454	352.620812	350.840746	353.885818	353.0061	352.969477	351.87396
129219.2	117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.1
49680.268	67153.42	71915.508	47275.06	52581.288	47590.594	47956.678	59993.41	51539.9	51841.64	46421.166
170.710411	215.9645	206.475414	143.91101	134.406727	125.90259	122.130232	181.227812	182.287886	147.790005	136.98023
26.000845	26.406368	26.027973	26.22515	24.892267	24.506912	24.383504	27.608933	27.377744	25.983067	25.910366
1327668.12	1817936.33	1924970.58	1288300.6	1341689.74	1194439.95	1199697.41	1735046.6	1471512.4	1382415.73	1232142.4
1715865.27	2888261.84	2821412.2	2073004.51	1515638.91	1308549.96	1432590.02	2768334.68	2272652.64	1703731.3	1375452.7
77525.7828	82656.0326	89309.6233	65144.2155	70464.294	72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083
388197.154	1070325.51	896441.617	784703.907	173949.167	114110.012	232892.611	1033288.08	801140.244	321315.569	143310.22
2204565.09	3369354.8	3328645.62	2530770.79	1986082.5	1765824.05	1930877.14	3538326.61	2897922.17	2309109.1	1942496.1
1625.51	1941.72	2094.24	1424.14	1441.84	1298.96	1169.8	1761.13	1601.44	1525.44	1341.68
283304.467	387661.963	452843.908	421607.862	377067.071	215972.701	85989.0836	450377.349	372002.941	317984.409	363338.86
19.502467	26.002177	23.669486	21.07002	17.776521	17.783993	19.554556	25.381428	23.783638	19.909933	18.245972
308422.351	265471.998	288557.654	190388.926	176350.251	237772.945	372231.475	317350.876	265310.442	233299.041	156954
229.41	160.44	185.45	196.39	184.23	198.88	231.26	202.16	183.72	196.84	179.43

161.283168	174.045292	170.504964	132.640104	127.429539	145.295831	178.431205	164.021526	160.869827	139.110865	117.00203
5.861031	5.963086	5.963189	4.106307	5.043955	5.457605	6.846693	6.266647	6.506545	5.179522	4.1899
17,978	12,643	14,696	15,022	11,460	13,560	18,274	18,829	17,169	13,411	9,589
400650.286	558109.986	623842.239	801497.905	469408.178	258699.791	104007.018	685779.832	573973.089	429088.733	456402.44
8.136162	8.959833	9.487549	5.567768	10.052074	8.378478	5.964199	7.567601	7.854971	8.751124	9.949376
8,474	10,568	12,834	12,882	13,179	7,639	2,703	10,640	9,242	10,112	12,297
27.11606	34.468624	32.649806	21.530965	23.486161	24.991062	29.321873	32.330235	29.678701	26.869007	24.376632
27.031309	34.246981	32.588915	21.453403	23.301904	24.842669	29.242222	32.263814	29.647955	26.727398	24.139327
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-26.999765	-6.483077	-5.059645	-6.689103	4.883917	-17.623636	-48.659951	-23.264873	-24.770531	-9.373395	8.059052
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-63.29055	-58.410619	-60.290013	-61.023019	-67.907708	-65.392438	-59.636333	-58.682962	-59.199051	-65.845053	-70.745075
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59547.8648	70013.1636	74614.0902	50121.8712	59003.9762	59089.5739	64076.1408	71115.9938	61435.2842	64217.7555	57056.806
1675641.5	1888033.52	2010868.29	1392320.51	1627510.67	1621458.69	1745371.78	2048573.4	1737666.01	1854845.14	1672632.8
4661582.1	4533503.95	5057784.66	3750050.6	4514238.55	4491836.87	4648912.41	4989279.03	4400059.12	4837963.53	4466590.8
4569354.16	4240865.96	4722500.08	3138941.62	4221180.62	4470910.02	4917136.87	4620850.07	4091396.47	4642173.84	4167142.4
0.03719			0.004545			0.00909				
616287.598	744806.482	781691.197	547953.742	565501.042	561847.487	632501.982	752385.715	648553.806	615846.441	524047.76
4.8	5.23	4.93	3.68	4.49	3.9	3.65	5.13	3.86	4.13	4.17
23640.1154	30902.3032	31541.409	28832.2021	31076.2948	29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018
7106526.42	8194725.51	8710509.27	6502238.19	6770411.57	6515629.84	6841304.83	8815050.35	7549918.59	7420197.37	6657077.9
4343875.91	5683225.05	5822283.74	3990737.73	4007761.06	3878554.36	4329804.37	5997146.84	4988188.12	4602293.86	3967260.9
1225145.13	1671564.83	1774395.41	1186008.46	1238412.83	1108323.74	1114980.7	1609693.36	1364608.08	1280711.49	1140572.3
68021.8652	80581.4478	87447.6739	63003.7023	72183.4329	66728.4853	66779.0651	81755.6012	70677.5682	74329.2886	69353.925
23640.1154	30902.3032	31541.409	28832.2021	31076.2948	29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018
4343875.91	5683225.05	5822283.74	3990737.73	4007761.06	3878554.36	4329804.37	5997146.84	4988188.12	4602293.86	3967260.9
78882.8735	115469.199	119033.765	73459.9352	72200.614	56739.4647	55074.3945	93523.6099	77952.717	68783.9368	60815.118
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02
18341.5972	13428.0278	15532.1659	15728.6423	19602.1449	19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759
488699.816	481092.957	507233.418	457766.28	470443.586	457274.09	498287.124	769991.928	625269.534	605377.794	567043.49
-165129.84	-6287.1033	-62244.691	-96294.184	-222924.46	-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53
653829.651	487380.06	569478.109	554060.464	693368.05	672021.534	661018.965	794463.957	666682.692	822975.352	834184.02

2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03
2817903.52	2689816.99	2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08	2743613.33
-2817903.5	-2689817	-2689817	-2945990	-2433643.9	-2945990	-2689817	-2561730.5	-2874261.6	-2612965.1	-2743613.3
-2817903.5	-2689817	-2689817	-2945990	-2433643.9	-2945990	-2689817	-2561730.5	-2874261.6	-2612965.1	-2743613.3
2817903.52	2689816.99	2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08	2743613.33
2817903.52	2689816.99	2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08	2743613.33
2817903.52	2689816.99	2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08	2743613.33
25.619999	25.42	32.019999	29.119999	24.57	24.72	24.619999	25.12	38.640912	36.016272	29.728082
0	0	0	0	0	0	0	0	0	0	0
25.489999	25.29	31.889999	28.989999	24.44	24.59	24.489999	24.99	38.514856	35.890216	29.602026
25.589999	25.39	31.989999	29.089999	24.54	24.69	24.589999	25.09	38.611822	35.987182	29.698992
24.84	24.639999	31.24	28.34	23.789999	23.939999	23.84	24.339999	37.884574	35.259934	28.971744
25.13	24.929999	31.53	28.63	24.079999	24.229999	24.13	24.629999	38.165777	35.541137	29.252947
25.569999	25.37	31.969999	29.069999	24.52	24.67	24.569999	25.07	38.592429	35.967789	29.679599
25.609999	25.41	32.009999	29.109999	24.56	24.71	24.609999	25.11	38.631215	36.006575	29.718385

18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.695603	18.695603	18.695603
0.97	0.97	0.97	0.97	0.969999	0.969999	0.97	0.97	0.989999	0.99	0.989999
25.3	25.1	31.7	28.8	24.25	24.4	24.3	24.8	38.33062	35.70598	29.41779
3.091531	3.077573	3.088808	3.08241	3.102749	3.177732	3.71797	4.198424	4.493807	4.548994	4.042279
18.795046	18.660549	23.061485	21.127619	18.095981	18.202229	18.180582	18.553953	27.629301	25.88414	21.649787
18.795046	18.660549	23.061485	21.127619	18.095981	18.202229	18.180582	18.553953	27.629301	25.88414	21.649787
				0.27788				0.13894	0.27788	
				0.00148				0.000075	0.000818	
				0.001286				0.000075	0.00075	
				8.8				0.6	5.4	
0.029857	0.031101	0.027886	0.030135	0.035559	0.025923	0.032529	0.03475	0.025909	0.029343	0.029434
				122.2672				8.3364	75.0276	
				2241.03833				155.854029	1402.68626	
				0.388888				0.198334	0.396668	
				136.376834				9.485155	85.366403	
7683.525	7324.875	7349.175	8030.475	6596.775	8065.35	7314.075	6949.8	7714.8	6988.725	7337.475
21.828196	21.800223	21.872544	21.821942	21.699917	21.916711	21.76808	21.718125	21.917045	21.839765	21.837723
7920	7560	7560	8280	6840	8280	7560	7200	7920	7200	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
				8.8				0.6	5.4	
				5.517764				2.907514	5.625645	
				5.517764				2.907514	5.625645	
				2403.18617				174.450885	1519.20377	
				2844.36823				178.520425	1611.01729	
				441.182058				4.06954	91.813522	

				2844.36823				178.520425	1611.01729	
				3.41				0.03	1.84	
				2403.18617				174.450885	1519.20377	
				2844.36823				178.520425	1611.01729	
				0.4				0.2	0.4	
				8.8				0.6	5.4	
				8.8				0.6	5.4	
				0.028947				0.001704	0.016875	
				441.182058				4.06954	91.813522	
				441.182058				4.06954	91.813522	
				0.15				0.03	0.16	
				-441.18206				-4.06954	-91.813522	
				-3285.5503				-182.58997	-1702.8308	
				104.0159				7.8999	69.5834	
				0.02				0.01	0.03	
				16.619				8.4757	25.4271	
				2403.18617				174.450885	1519.20377	
				2403.18617				174.450885	1519.20377	
				2377.41517				165.339185	1488.05267	
				8.8				0.6	5.4	
				16.619				8.4757	25.4271	
				2403.18617				174.450885	1519.20377	
				9.151999				0.636	5.724	
4.05017	5.74559	7.72358	6.593299	3.01408	5.93397	5.55721	3.95598	5.180449	5.27464	5.74559
0.219547	0.184061	0.295746	0.243978	0.194284	0.127143	0.053451	0.043027	0.250828	0.213455	0.151514
0.213948	0.180238	0.286994	0.233695	0.188322	0.123478	0.051577	0.041968	0.244176	0.205687	0.145892
81281.376	27538.1209	115102.712	75225.5274	19735.2021	6534.94142	4822.7818	12203.6651	71483.9437	41769.9426	14998.3866
415.674971	109.6083	407.070469	279.969228	87.1716	31.32556	21.076288	44.358694	269.952884	163.123087	64.21412
4367.98	3512.48	5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56	2843.16

0.028693	0.031964	0.030952	0.030407	0.032302	0.030027	0.033065	0.0215	0.027613	0.032875	0.036577
41142.0036	33084.0491	52679.9019	46981.972	31275.7895	24823.9629	9467.41366	7336.83586	46954.6569	35957.5976	26779.724
128074.513	101149.45	162890.168	146673.49	97117.7659	74856.7877	31470.0595	29714.1412	204066.411	158545.832	107664.416
1.336878	1.863614	2.520207	2.158038	1.011549	1.943851	2.009441	1.662167	2.195418	2.242663	2.348129
20872.0685	7275.76747	29740.6647	19245.1531	5085.21286	1745.54861	1147.97979	2507.83475	13568.9326	8233.46569	3104.34393
19830.2	18865.08	18884.8	20694.98	17062.44	20703.1	18843.62	18160.96	19852.24	17949.84	18775.18
56.335795	56.146071	56.204761	56.236358	56.126447	56.258423	56.082202	56.753	56.398409	56.09325	55.878511
20416	19488	19488	21344	17632	21344	19488	18560	20416	18560	19488
58	58	58	58	58	58	58	58	58	58	58
4367.98	3512.48	5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56	2843.16
15.789153	22.160623	29.822294	25.49117	11.881793	23.100828	23.616494	19.048691	24.821784	25.324394	26.786024
15.789153	22.160623	29.822294	25.49117	11.881793	23.100828	23.550654	19.048691	24.821784	25.324394	26.786024
160136.898	127021.981	203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477	129030.591
289124.43	184485.365	307615.443	271595.622	266809.788	113187.9	44711.8203	43047.3932	435708.372	340830.404	182309.372
128987.533	57463.3838	103626.802	88311.6338	145362.215	18831.3931	5702.85697	7483.08995	194380.647	153740.926	53278.7817
289124.43	184485.365	307615.443	271595.622	266809.788	113187.9	44711.8203	43047.3932	435708.372	340830.404	182309.372
139.09	167.49	227.72	216.86	103.98	168.42	123.5	101.3	246.19	209.45	181.2
78855.5217	99483.8606	88885.9287	108058.461	101712.37	87821.5653	34182.3628	23360.6381	169843.781	145319.535	114032.204
139068.451	142795.52	131927.68	159967.845	219374.063	105670.366	39269.4331	28236.3915	307427.283	263088.177	160930.808
18.264079	29.882747	26.678353	27.343932	16.513746	34.418303	32.289163	19.726931	26.367886	26.920505	32.666606
2152.02624	2740.02353	2435.42172	2944.77322	2780.61117	2450.19793	883.260841	512.687239	3544.50837	2943.42626	2513.57682
38.00112	36.8768	37.086026	36.970459	37.403622	36.750435	40.725595	45.787552	46.4408	47.02167	45.665873
15.953025	21.989539	30.350522	25.481083	11.589377	17.590485	16.271943	16.828345	25.067599	24.912251	23.285961
4367.98	3512.48	5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56	2843.16
12.409034	10.453809	16.645654	13.554347	10.922697	7.161739	2.991488	2.434187	14.162215	11.929875	8.461785
128987.533	57463.3838	103626.802	88311.6338	145362.215	18831.3931	5702.85697	7483.08995	194380.647	153740.926	53278.7817
128987.533	57463.3838	103626.802	88311.6338	145362.215	18831.3931	5702.85697	7483.08995	194380.647	153740.926	53278.7817
2215.95376	772.456467	3157.51828	2043.22678	539.888826	185.322073	121.879158	266.25276	1440.59163	874.133739	329.583175
81281.376	27538.1209	115102.712	75225.5274	19735.2021	6534.94142	4822.7818	12203.6651	71483.9437	41769.9426	14998.3866
12.15	20.91	24.42	25.06	10.58	26.4	12.32	8.18	22.81	18.48	21.23
-128987.53	-57463.384	-103626.8	-88311.634	-145362.22	-18831.393	-5702.857	-7483.0899	-194380.65	-153740.93	-53278.782
-268055.98	-200258.9	-235554.48	-248279.48	-364736.28	-124501.76	-44972.29	-35719.481	-501807.93	-416829.1	-214209.59
6.48	2.32	9.28	6.39	0.79	1.27	0.86	1.46	4.31	2.01	1.18
14653.887	14314.0881	26670.3398	22243.8779	12265.2115	9319.8937	3862.6861	3630.5462	22466.8919	16539.6867	11274.0737
0.69	0.79	1	0.78	0.41	0.82	0.58	0.47	0.57	0.46	0.62

263.4903	301.6773	381.87	297.8586	156.5667	313.1334	221.4846	179.4789	222.0207	179.1746	241.4962
160136.898	127021.981	203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477	129030.591
160136.898	127021.981	203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477	129030.591
128074.513	101149.45	162890.168	146673.49	97117.7659	74856.7877	31470.0595	29714.1412	204066.411	158545.832	107664.416
4367.98	3512.48	5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56	2843.16
263.4903	301.6773	381.87	297.8586	156.5667	313.1334	221.4846	179.4789	222.0207	179.1746	241.4962
160136.898	127021.981	203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477	129030.591
31798.8944	25570.8544	40716.6032	36312.64	24173.24	19186.5856	7317.4192	5670.6832	37039.293	28364.4708	21124.6788

11.188534	11.074552	10.882193	10.971706	11.261992	10.970244	10.969944	10.982611	10.995909	11.024267	10.984984
0.56681	0.610711	0.712042	0.663176	0.552731	0.64446	0.634895	0.637504	0.683436	0.663155	0.668185
0.27418	0.585555	0.688134	0.637023	0.53174	0.622451	0.611798	0.616732	0.660406	0.63956	0.647323
234259.774	510741.376	682561.409	680737.449	419156.347	484186.984	492461.354	576153.715	668576.909	573542.49	518506.163
1210.86267	2255.59899	2582.1472	2733.98421	2005.78702	2369.97762	2217.12092	2181.01463	2557.4618	2283.452	2288.28183
10712.784	21838.894	25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174	24142.568
0.035852	0.041547	0.033928	0.038967	0.036546	0.033913	0.037172	0.0325	0.033522	0.037031	0.03247
117957.251	239289.133	277428.894	282983.092	198832.6	277381.691	249149.178	239186.998	279864.078	247052.653	262373.365
114703.842	230539.333	267964.903	274146.735	192849.135	268530.63	240853.578	230574.272	276576.762	245104.384	259658.307
2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.476	2.476	2.476
168643.482	342111.674	396640.09	404580.927	284270.969	396572.604	356208.58	341965.651	415878.021	367120.243	389886.821
18855.57	35746.44	36030.6	39256.26	32510.79	39462.72	35909.61	34365.6	37762.2	34204.65	36084.99
53.56696	106.388214	107.233928	106.674619	106.943388	107.235652	106.873839	107.3925	107.278977	106.889531	107.395803
39072	37296	37296	40848	33744	40848	37296	35520	39072	35520	37296
111	111	111	111	111	111	111	111	111	111	111
10712.784	21838.894	25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174	24142.568
28.613985	28.342105	27.734136	28.061937	28.755924	27.978171	27.993133	28.025594	28.901224	29.047165	28.925793
28.246348	27.984799	27.518003	27.730472	28.422871	27.728333	27.727464	27.761769	28.656272	28.723483	28.629826
301437.262	609851.258	705468.046	722887.364	507393.757	706441.852	634749.223	608288.582	734910.324	650642.296	690076.2
372844.614	677783.55	956500.22	905071.753	647418.904	725188.035	636660.497	632362.208	1256749.61	1053249.27	866287.727
71407.352	67932.2917	251032.175	182184.389	140025.147	18746.1837	1911.27408	24073.6266	521839.288	402606.977	176211.526
372844.614	677783.55	956500.22	905071.753	647418.904	725188.035	636660.497	632362.208	1256749.61	1053249.27	866287.727
169.87	322.04	324.6	353.66	292.89	355.52	323.51	309.6	340.2	308.15	325.09
64085.4476	92484.0822	17974.0966	34419.8156	83084.0096	216512.508	136545.508	27055.0866	60776.7552	71167.6955	165562.837
123027.577	135200.727	25615.443	51788.2233	187991.005	275980.996	168647.019	34299.1742	132501.572	153854.008	256703.328

24.218613	29.019488	14.547755	17.527299	19.668857	48.757525	40.823105	19.486522	19.463376	19.885364	34.662968
2386.87157	3476.68673	676.023323	1290.40879	3105.04454	8106.08678	5122.53743	1018.5651	2212.0526	2579.72556	5996.49393
16.60602	20.059073	23.027623	21.753279	13.89713	21.631439	22.263723	23.135632	22.474651	21.225618	22.09818
16.509249	19.951483	23.005471	21.727658	13.824666	21.367134	22.090993	23.114959	22.4593	21.204014	21.973124
10712.784	21838.894	25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174	24142.568
30.434045	64.996708	76.382892	70.70963	59.023151	69.092114	67.90966	68.457318	73.305153	70.991168	71.85288
9751.09674	-57144.138	106020.092	34269.1266	36095.347	-126241.23	-128319	-100949.42	375554.334	273472.555	39068.9683
9751.09674	-57144.138	106020.092	34269.1266	36095.347	-126241.23	-128319	-100949.42	375554.334	273472.555	39068.9683
8325.91243	18362.2073	24988.6287	24730.7352	14837.9935	17319.8112	17695.1086	20887.7769	23591.3614	20137.4484	18146.0741
234259.774	510741.376	682561.409	680737.449	419156.347	484186.984	492461.354	576153.715	668576.909	573542.49	518506.163
19.71	51.14	22.01	33.25	23.88	111.16	104.56	44.09	44.87	50.49	96.17
-71407.352	-67932.292	-251032.17	-182184.39	-140025.15	-18746.184	-1911.2741	-24073.627	-521839.29	-402606.98	-176211.53
-194434.93	-203133.02	-276647.62	-233972.61	-328016.15	-294727.18	-170558.29	-58372.801	-654340.86	-556460.98	-432914.85
105.64	203.39	201.54	227.81	207.24	191.92	193.18	244.03	203.82	185.9	172.92
0.5										
30994.2648	70135.1157	83094.9246	85038.9346	59567.4344	70611.386	69478.2996	79381.208	86281.1341	75051.2465	71266.6337
0.42	0.9	0.67	1.05	0.7	0.78	0.78	0.69	0.74	0.79	0.8
3092.04	6625.8	4932.54	7730.1	5153.4	5742.36	5742.36	5079.78	5556.66	5932.11	6007.2
363093.517	734927.688	850480.129	870802.627	611323.557	851429.262	764979.498	733311.625	881195.278	779776.717	827218.758
363093.517	734927.688	850480.129	870802.627	611323.557	851429.262	764979.498	733311.625	881195.278	779776.717	827218.758
283347.324	572651.007	664604.993	678727.663	477120.104	665103.234	597062.158	572539.923	692454.782	612224.627	649545.128
10712.784	21838.894	25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174	24142.568
3092.04	6625.8	4932.54	7730.1	5153.4	5742.36	5742.36	5079.78	5556.66	5932.11	6007.2
363093.517	734927.688	850480.129	870802.627	611323.557	851429.262	764979.498	733311.625	881195.278	779776.717	827218.758
14997.8976	30574.4516	35930.5128	36429.6016	25120.2532	35596.2572	31944.7044	30668.8788	36898.882	32485.5588	34523.8722
0.04	0.06			0.05						
				0.3				0.15	0.3	
				0.00111				0.000028	0.0005	
				0.000986				0.000028	0.000468	
				0.9				0.03	0.45	
0.029147	0.033601	0.032797	0.026929	0.026447	0.026032	0.03113	0.024531	0.021079	0.030687	0.025684
				13.5				0.45	6.75	

				247.441811				8.413021	126.195323	
				0.388888				0.198334	0.396668	
				15.0579				0.51201	7.68015	
1025.22	974.13	974.94	1074.27	887.88	1075.26	976.62	936.45	1033.74	930.54	982.11
2.912556	2.899196	2.901607	2.919211	2.920657	2.921902	2.906607	2.926406	2.936761	2.907937	2.922946
1056	1008	1008	1104	912	1104	1008	960	1056	960	1008
3	3	3	3	3	3	3	3	3	3	3
				0.9				0.03	0.45	
				5.833326				2.97501	5.950021	
				5.833326				2.97501	5.950021	
				262.499711				8.925031	133.875473	
				314.747916				9.230125	141.746478	
				52.248204				0.305094	7.871004	
				314.747916				9.230125	141.746478	
				0.3				0.01	0.15	
				262.499711				8.925031	133.875473	
				314.747916				9.230125	141.746478	
				0.06				0.03	0.06	
				0.9				0.03	0.45	
				0.9				0.03	0.45	
				0.00296				0.000085	0.001406	
				52.248204				0.305094	7.871004	
				52.248204				0.305094	7.871004	
				-52.248204				-0.305094	-7.871004	
				-366.99612				-9.53522	-149.61748	
				72.379				2.681	39.2826	
				0.1				0.01	0.07	
				262.499711				8.925031	133.875473	
				262.499711				8.925031	133.875473	

				262.499711				8.925031	133.875473	
				0.9				0.03	0.45	
				262.499711				8.925031	133.875473	
11.920331	11.585518	11.308706	11.440871	12.07294	11.369208	11.33534	11.346076	11.640601	11.691172	11.5972
0.609569	0.706588	0.805895	0.756657	0.573908	0.762375	0.779122	0.758091	0.713104	0.689268	0.706529
0.395714	0.676888	0.77289	0.720775	0.51649	0.729903	0.744348	0.650897	0.677409	0.654752	0.673734
130874.78	209319.173	235700.356	242525.064	149086.29	245383.208	228039.085	189840.797	255496.569	225623.57	242636.388
677.591563	935.133436	897.824113	981.129258	722.21268	1207.92601	1032.15633	718.383467	979.196423	901.822868	1077.81295
5989.54	9779.68	11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4	9734.12
0.04463	0.04375	0.041428	0.048994	0.04921	0.043804	0.045744	0.044437	0.048494	0.052593	0.046696
69605.9591	111755.324	125568.96	129126.087	79334.8408	130741.731	121420.038	101234.961	117084.732	103235.253	111180.886
67700.0765	107740.974	121404.302	125061.75	77149.9775	126448.591	117558.998	97736.3658	115821.348	102498.844	110015.311
1.7993	1.799299	1.799299	1.7993	1.799299	1.7993	1.799299	1.7993	2.1015	2.1015	2.1015
57724.2219	92678.6903	104134.339	107084.264	65792.3835	108424.117	100693.637	83954.153	130139.68	114745.984	123577.555
9818.19	13815.9	13849.44	15048.71	11756.2	15130.84	13787.09	11815.54	14401.99	13036.31	13773.33
27.892585	41.11875	41.218571	40.893233	38.67171	41.116413	41.033005	36.923562	40.914744	40.738468	40.992053
15136	14448	14448	15824	13072	15824	14448	13760	15136	13760	14448
43	43	43	43	43	43	43	43	43	43	43
5989.54	9779.68	11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4	9734.12
23.008758	22.20874	21.635293	21.932341	23.151739	21.746339	21.648464	21.694185	25.852059	26.045321	25.833481
22.354117	21.770338	21.263837	21.496379	22.624907	21.372056	21.311708	21.332537	25.392146	25.493279	25.305832
133933.556	212851.331	239523.826	246676.26	151999.41	249315.92	231389.173	192790.331	259545.077	229783.506	247065.528
198304.217	284784.89	384598.626	369328.737	237358.249	307738.327	280355.54	240350.801	482227.216	400609.232	334533.143
64370.6617	71933.5585	145074.8	122652.476	85358.8393	58422.4069	48966.3673	47560.4698	222682.139	170825.727	87467.6149
198304.217	284784.89	384598.626	369328.737	237358.249	307738.327	280355.54	240350.801	482227.216	400609.232	334533.143
228.33	321.3	322.08	349.68	273.4	351.88	320.17	274.78	334.93	303.17	320.31
										9.209199
										11.570531
										0.157406
										0.388672
17.110563	21.150521	23.049488	22.187343	12.446245	24.646825	24.122195	22.973837	26.320381	24.001105	24.805047
16.939457	5.499135	4.609897	4.881215	2.115861	6.408174	9.648878	5.054244	17.634655	17.760818	19.843359
5989.54	9779.68	11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4	9734.12
17.015738	29.10619	33.234285	30.993342	22.209111	31.385869	32.006964	27.988593	29.128607	28.154375	28.970595

27987.6268	13519.0506	79439.9047	55158.2707	43890.518	-9916.2958	-14499.886	-5355.0442	161481.949	116864.66	29353.3659
27987.6268	13519.0506	79439.9047	55158.2707	43890.518	-9916.2958	-14499.886	-5355.0442	161481.949	116864.66	29353.3659
5989.54	9779.68	11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4	9733.73133
130874.78	209319.173	235700.356	242525.064	149086.29	245383.208	228039.085	189840.797	255496.569	225623.57	242636.388
-64370.662	-71933.559	-145074.8	-122652.48	-85358.839	-58422.407	-48966.367	-47560.47	-222682.14	-170825.73	-87467.615
-64370.662	-71933.559	-145074.8	-122652.48	-85358.839	-58422.407	-48966.367	-47560.47	-222682.14	-170825.73	-87479.185
88.44	3.35	2.26	2.65	1.57	2.85	3.8	2.43	13.21	14.96	15.04
0.318181				0.052631			0.099999			
41266.1327	69646.4576	81691.8562	83143.1897	53786.9707	69110.9494	68426.6541	68706.5489	84229.8728	72783.6301	69113.735
0.84	0.97	1.05	1.14	0.8	1.08	0.92	0.81	1.09	1.12	1.19
3058.776	3532.158	3823.47	4151.196	2913.12	3932.712	3350.088	2949.534	4048.50852	4159.93536	4419.93132
170316.591	271265.839	305158.721	314170.466	193467.731	317654.623	294855.426	245705.845	320745.267	283744.573	305179.777
170316.591	271265.839	305158.721	314170.466	193467.731	317654.623	294855.426	245705.845	320745.267	283744.573	305179.777
125424.298	200419.665	225538.641	232146.014	142942.361	234872.708	218252.635	181690.519	245961.028	217244.828	233592.866
5989.54	9779.68	11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4	9734.12
3058.776	3532.158	3823.47	4151.196	2913.12	3932.712	3350.088	2949.534	4048.50852	4159.93536	4419.93132
170316.591	271265.839	305158.721	314170.466	193467.731	317654.623	294855.426	245705.845	320745.267	283744.573	305179.777
5450.4814	8899.5088	10161.7152	10379.0505	6143.9287	10510.5	9786.4494	8150.2785	9535.5411	8378.742	9052.7316
				0.3				0.15	0.3	
				0.001217				0.000028	0.000575	
				0.001217				0.000028	0.000468	
				1.11				0.03	0.45	
0.019119	0.035416	0.03991	0.024157	0.019144	0.032663	0.028303	0.019812	0.031704	0.033843	0.028392
				16.65				0.45	6.75	
				305.178234				8.413021	126.195323	
				0.388888				0.198334	0.396668	
				18.57141				0.51201	7.68015	
1035.81	972.3	967.77	1077.33	894.54	1067.94	979.47	940.98	1022.52	927.51	979.38
2.942642	2.89375	2.880267	2.927527	2.942565	2.90201	2.915089	2.940562	2.904886	2.898468	2.914821
1056	1008	1008	1104	912	1104	1008	960	1056	960	1008
3	3	3	3	3	3	3	3	3	3	3

				1.11				0.03	0.45	
				5.833326				2.97501	5.950021	
				5.833326				2.97501	5.950021	
				323.749644				8.925031	133.875473	
				387.611822				9.230125	141.746478	
				63.862177				0.305094	7.871004	
				387.611822				9.230125	141.746478	
				0.37				0.01	0.15	
				323.749644				8.925031	133.875473	
				387.611822				9.230125	141.746478	
				0.06				0.03	0.06	
				1.11				0.03	0.45	
				1.11				0.03	0.45	
				0.003651				0.000085	0.001406	
				63.862177				0.305094	7.871004	
				63.862177				0.305094	7.871004	
									0.03	
				-63.862177				-0.305094	-7.871004	
				-451.474				-9.53522	-149.61748	
				90.7434				2.681	39.2826	
				0.12				0.01	0.07	
				323.749644				8.925031	133.875473	
				323.749644				8.925031	133.875473	
				323.749644				8.925031	133.875473	
				1.11				0.03	0.45	
				323.749644				8.925031	133.875473	
4.721816	6.956396	10.650901	7.950696	4.151119	4.507861	4.066532	2.109244	7.248363	6.842363	6.364546
0.156885	0.103354	0.175186	0.142225	0.148756	0.043251	0.0104	0.010396	0.162483	0.13849	0.075238
0.150909	0.099827	0.169613	0.138347	0.146815	0.042228	0.01013	0.009543	0.159687	0.13285	0.073279

31614.0106	4964.87333	24184.0872	17146.1838	4418.42481	764.158575	255.108176	823.639538	14360.8878	8795.57762	2639.11963
160.386828	19.687812	84.281906	63.489707	18.724854	3.668505	1.095396	2.938384	53.937891	34.11093	11.131223
2656	1677.1	2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6	1231.1
0.028309	0.024434	0.030565	0.033464	0.037549	0.026562	0.030595	0.035765	0.034687	0.031546	0.031116
38397.2	24046.7	40905.5	36538.4	32320	11010.6	2393	2162.7	40566.5	30711.2	17650.3
119445.751	73367.2531	126315.706	113421.008	99697.3952	31537.0378	7565.08336	8716.52173	172173.188	130459.526	68844.9163
1.02305	1.48565	2.301125	1.726868	0.905351	0.928827	0.921523	0.58482	1.926593	1.829743	1.590503
10091.8713	1646.74882	7791.52348	5515.50248	1431.18301	270.778445	79.643485	217.776835	3196.4211	2157.28209	657.913824
17103.1	16386.5	16327.6	17836.3	14590.4	17907.5	16245.8	15420.7	16991	15479.8	16365.6
48.588352	48.769345	48.594047	48.468206	47.994736	48.661684	48.350595	48.189687	48.269886	48.374375	48.707142
17600	16800	16800	18400	15200	18400	16800	16000	17600	16000	16800
50	50	50	50	50	50	50	50	50	50	50
2656	1677.1	2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6	1231.1
27.463415	37.985629	57.723464	43.672556	23.621368	18.8341	14.682925	10.620646	48.254351	47.574428	35.684115
14.722001	21.306611	32.990169	24.589013	13.025523	13.224156	13.088416	8.462102	27.787094	26.188897	22.62564
120198.951	73808.7411	127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542	69120.6173
200951.538	102573.588	182038.904	161929.86	203718.952	36979.0184	8478.374	10137.9091	291796.301	224030.988	92288.8871
80752.5866	28764.8466	54935.7452	48115.1379	103550.573	5289.30157	868.094637	1350.90739	118735.624	93135.4467	23168.2697
200951.538	102573.588	182038.904	161929.86	203718.952	36979.0184	8478.374	10137.9091	291796.301	224030.988	92288.8871
231.69	241.92	336.43	294.47	159.74	121.4	71.81	45.93	294.09	267.18	208.55
88584.9407	68843.8678	102919.071	96668.5387	95749.9544	30925.5583	7355.17119	7963.36219	158699.789	122099.964	66481.4977
146054.535	94908.8083	147128.512	137321.562	193262.922	36124.3323	8199.33225	9141.60717	267402.453	208134.379	88666.411
7.064943	10.764265	15.492105	12.055849	6.582848	6.906547	5.72304	2.974128	11.249774	10.865384	9.737733
1944.38517	1560.31569	2298.27336	2156.12938	2131.23122	757.658682	164.511179	137.247084	2585.24884	1972.77076	1184.54649
51.975985	44.903071	49.139285	49.019676	53.074336	40.229739	46.59481	57.035325	61.64236	61.939716	55.926785
16.477269	15.251577	35.81886	25.000034	12.207097	3.594518	2.795688	5.133179	25.263953	21.6789	11.744624
2656	1677.1	2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6	1231.1
7.545454	4.991369	8.480654	6.917391	7.340789	2.111413	0.506547	0.477187	7.984375	6.6425	3.663988
80752.5866	28764.8466	54935.7452	48115.1379	103550.573	5289.30157	868.094637	1350.90739	118735.624	93135.4467	23168.2697
80752.5866	28764.8466	54935.7452	48115.1379	103550.573	5289.30157	868.094637	1350.90739	118735.624	93135.4467	23168.2697
711.614826	116.784313	551.22664	389.470624	100.368775	19.341317	5.68882	15.452915	225.251157	152.82924	46.553508
31614.0106	4964.87333	24184.0872	17146.1838	4418.42481	764.158575	255.108176	823.639538	14360.8878	8795.57762	2639.11963
41.64	25.49	41.92	37.37	38.43	10.47	2.78	2.07	45.99	36.28	19.08
-80752.587	-28764.847	-54935.745	-48115.138	-103550.57	-5289.3016	-868.09464	-1350.9074	-118735.62	-93135.447	-23168.27
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4.45	0.42	3.77	2.83	0.9	0.13	0.1	0.07	1.63	0.67	0.29
18864.3753	13412.8055	26925.3012	22363.2394	17760.4931	4679.819	999.5897	1210.5299	26318.4195	19351.7096	9483.1185
0.54	0.44	0.78	0.15	0.16	0.21	0.1	0.13	0.77	0.16	0.23
332.624	244.824	436.453	81.715	97.416	106.711	41.66	61.848	456.599	99.36	129.103
120198.951	73808.7411	127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542	69120.6173
120198.951	73808.7411	127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542	69120.6173
119445.751	73367.2531	126315.706	113421.008	99697.3952	31537.0378	7565.08336	8716.52173	172173.188	130459.526	68844.9163
2656	1677.1	2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6	1231.1
332.624	244.824	436.453	81.715	97.416	106.711	41.66	61.848	456.599	99.36	129.103
120198.951	73808.7411	127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542	69120.6173
420.576	196.664	351	312	373.568	45.968	3.536	8.632	430.889999	336.655999	146.598
				0.3				0.15	0.3	
				0.001314				0.000028	0.000391	
				0.001217				0.000028	0.000375	
				1.48				0.04	0.48	
0.035482	0.038958	0.034017	0.033614	0.022269	0.023804	0.029523	0.032781	0.030085	0.030625	0.029464
				22.2				0.6	7.2	
				406.904312				11.217362	134.608345	
				0.388888				0.198334	0.396668	
				24.76188				0.68268	8.19216	
1358.04	1291.64	1298.28	1422.52	1188.92	1436.96	1304.32	1238.04	1365.64	1240.8	1304.4
3.858068	3.844166	3.863928	3.865543	3.910921	3.904782	3.881904	3.868875	3.879659	3.8775	3.882142
1408	1344	1344	1472	1216	1472	1344	1280	1408	1280	1344
4	4	4	4	4	4	4	4	4	4	4
				1.48				0.04	0.48	
				5.833326				2.97501	5.950021	
				5.833326				2.97501	5.950021	
				431.666192				11.900042	142.800505	
				516.815763				12.306834	149.295765	
				85.14957				0.406792	6.495259	
				516.815763				12.306834	149.295765	

				0.37				0.01	0.12	
				431.666192				11.900042	142.800505	
				516.815763				12.306834	149.295765	
				0.08				0.04	0.08	
				1.48				0.04	0.48	
				1.48				0.04	0.48	
				0.004868				0.000113	0.0015	
				85.14957				0.406792	6.495259	
				85.14957				0.406792	6.495259	
				0.36					0.11	
				-85.14957				-0.406792	-6.495259	
				-601.96533				-12.713626	-155.79103	
				90.7434				2.681	31.2595	
				0.12				0.01	0.06	
				431.666192				11.900042	142.800505	
				431.666192				11.900042	142.800505	
				431.666192				11.900042	142.800505	
				1.48				0.04	0.48	
				431.666192				11.900042	142.800505	
10.697444	10.466372	10.247718	10.349164	10.812446	10.282829	10.282146	10.297647	10.418978	10.448417	10.385219
0.430979	0.529923	0.6477	0.593745	0.419446	0.583509	0.589838	0.588595	0.6001	0.585073	0.599601
0.295793	0.500815	0.612289	0.560286	0.393568	0.546766	0.556514	0.560139	0.568485	0.553196	0.571361
143165.757	229702.801	278245.339	280432.633	166549.303	273513.434	253996.507	243505.9	277863.065	246438.65	266814.32
742.575224	1020.31802	1050.7006	1125.33786	800.696234	1344.39804	1147.78312	922.690449	1065.25716	984.432143	1182.16229
6101.392	9860.866	12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542	11249.874
0.06588	0.053898	0.056339	0.06019	0.060427	0.065054	0.05997	0.049937	0.052897	0.054625	0.047857
63112.3347	101322.907	122448.527	123244.999	73144.015	120352.478	111897.452	107316.369	119454.775	105862.854	114678.834
61391.3679	97409.5565	118230.88	119401.133	71221.175	116393.819	107805.597	103294.578	118219.224	104968.244	113556.779
2.2315	2.2315	2.2315	2.2315	2.231499	2.2315	2.2315	2.2315	2.2803	2.2803	2.2803

79616.2102	127818.847	154468.816	155473.566	92271.1749	151824.652	141158.635	135379.6	154132.496	136594.841	147970.1
14052.866	18628.354	18580.302	20266.81	16737.918	20161.916	18508.81	17815.572	19536.068	17727.672	18747.312
39.922914	55.441529	55.298517	55.072853	55.05894	54.787815	55.085744	55.673662	55.500193	55.398975	55.795571
20627.2	19689.6	19689.6	21564.8	17814.4	21564.8	19689.6	18752	20627.2	18752	19689.6
58.6	58.6	58.6	58.599999	58.6	58.599999	58.6	58.6	58.6	58.6	58.6
6101.392	9860.866	12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542	11249.874
29.655535	26.177605	25.599121	26.045699	28.867162	25.899744	26.154571	25.628051	26.90392	27.013779	26.894362
24.329293	23.827143	23.331938	23.554866	24.582915	23.409079	23.408247	23.445213	24.227337	24.290729	24.155499
161819.307	246282.832	299554.113	302732.513	185713.69	296768.089	277460.878	262667.279	300777.433	264635.354	287369.856
237520.216	323154.593	455515.793	437717.617	298303.791	348856.738	312056.718	309744.942	586622.064	514193.627	415361.687
75700.9084	76871.7608	155961.68	134985.104	112590.101	52088.6488	34595.8398	47077.6637	285844.631	249558.273	127991.831
237520.216	323154.593	455515.793	437717.617	298303.791	348856.738	312056.718	309744.942	586622.064	514193.627	415361.687
239.81	317.89	317.07	345.85	285.63	344.06	315.85	304.02	333.38	302.52	319.92
648.46103	61.601275			168.192655	128.853391	8.200165				
1278.31981	82.448049			469.123844	192.088352	11.568019				
2.658849	1.063343			1.456392	1.817438	0.251457				
28.326419	2.718147			7.217732	5.698214	0.355702				
16.267465	20.335154	24.052921	23.060096	15.52811	22.841306	23.627515	23.059152	24.729361	24.079834	25.942018
16.26597	16.456641	16.837045	16.83387	11.024958	19.412215	17.011811	15.680223	7.171514	6.260756	8.820286
6101.392	9860.866	12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542	11249.874
17.3335	29.347815	35.88019	32.832788	23.063111	32.040505	32.611767	32.8242	33.313255	32.417318	33.481767
42712.0911	23910.2774	91957.8349	70564.943	74357.7248	-10819.592	-23892.958	-9016.6024	223405.62	194223.759	68049.2042
42712.0911	23910.2774	91957.8349	70564.943	74357.7248	-10819.592	-23892.958	-9016.6024	223405.62	194223.759	68049.2042
6073.06558	9858.14785	12055.744	12082.466	7003.96827	11785.2078	10957.1983	10503.744	11726.266	10373.542	11249.874
143165.757	229702.801	278245.339	280432.633	166549.303	273513.434	253996.507	243505.9	277863.065	246438.65	266814.32
0.96										
-75700.908	-76871.761	-155961.68	-134985.1	-112590.1	-52088.649	-34595.84	-47077.664	-285844.63	-249558.27	-127991.83
-76979.228	-76954.209	-155961.68	-134985.1	-113059.23	-52280.737	-34607.408	-47077.664	-285844.63	-249558.27	-127991.83
50.8	16.59	11.54	15.39	12.48	15.6	16.35	15.38	2.08	0.82	1.66
0.272727										
38557.3747	64748.3056	75398.7784	77506.1602	54053.0245	63193.0032	62523.5186	72151.7947	78423.5997	68547.7557	65430.4069
1.09	1	1.29	1.35	1.15	1.4	1.42	1.16	1.36	1.08	1.22
18005.0887	16518.43	21308.7747	22299.8805	18996.1945	23125.802	23456.1706	19161.3788	22914.368	18196.704	20555.536
194808.124	299244.315	363557.958	367152.674	223946.067	359676.33	335949.676	318761.545	363216.444	319969.868	347312.483
194808.124	299244.315	363557.958	367152.674	223946.067	359676.33	335949.676	318761.545	363216.444	319969.868	347312.483

141007.578	225228.404	272699.697	274874.699	163492.35	268218.471	248964.232	238674.177	272351.72	241563.086	261526.879
6101.392	9860.866	12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542	11249.874
18005.0887	16518.43	21308.7747	22299.8805	18996.1945	23125.802	23456.1706	19161.3788	22914.368	18196.704	20555.536
194808.124	299244.315	363557.958	367152.674	223946.067	359676.33	335949.676	318761.545	363216.444	319969.868	347312.483
2806.64032	4535.99836	5545.64224	5557.93436	3225.14556	5423.81676	5040.47484	4831.72224	5511.34502	4875.56474	5287.44078

4.5	5.85	9.3	6.9	3.9	3.15	2.25	1.2	6.15	5.7	4.8
0.151229	0.09308	0.15781	0.130514	0.143578	0.033766	0.00553	0.00833	0.153471	0.131	0.067296
0.143409	0.091339	0.155267	0.122961	0.136546	0.033505	0.005446	0.008125	0.150369	0.125	0.065
6052.80477	809.106074	3598.37662	2628.84296	786.549613	140.930648	32.54583	93.65418	2604.33145	1285.97176	369.871821
30.554655	3.198762	12.534624	9.766769	3.324766	0.689151	0.140359	0.349421	9.792421	4.937599	1.531189
706.72	429.66	730.38	633.5	581.14	172.62	25.62	36.4	741.02	560	305.76
0.034602	0.025952	0.025446	0.041277	0.034703	0.039836	0.029404	0.018968	0.027812	0.039125	0.042113
10600.8	6444.9	10955.7	9502.5	8717.1	2589.3	384.3	546	11115.3	8400	4586.4
32890.5332	19690.8122	33830.1287	29509.4922	26816.8353	7470.84925	1213.57779	2230.97889	47069.2514	35848.7971	17999.8909
0.918015	1.188139	1.898201	1.424134	0.816346	0.609069	0.478055	0.322408	1.568721	1.497712	1.176839
1916.97485	257.611482	1165.23659	845.7694	258.40678	46.8182	9.482498	25.937207	565.442013	304.781438	84.910671
4757.48	4581.92	4584.3	4939.34	4108.3	4946.76	4565.68	4395.02	4790.94	4304.72	4505.9
13.515568	13.636666	13.64375	13.422119	13.514144	13.442282	13.588333	13.734437	13.610625	13.45225	13.410416
4928	4704	4704	5152	4256	5152	4704	4480	4928	4480	4704
14	14	14	14	14	14	14	14	14	14	14
706.72	429.66	730.38	633.5	581.14	172.62	25.62	36.4	741.02	560	305.76
13.978082	18.516586	29.083976	21.47814	12.331371	9.251292	7.214952	5.051646	24.565568	22.535946	17.829635
13.978082	18.516586	29.083976	21.47814	12.331371	9.251292	7.214952	5.051646	24.565568	22.535946	17.829635
33205.5332	19879.8122	34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971	18104.8909
54363.5288	27265.6135	48517.5073	41469.8814	54329.4349	8684.76391	1366.96509	2576.69088	79144.5135	60987.7239	23907.0103
21157.9956	7385.80134	14435.3786	11813.3893	27397.0996	1150.91465	142.887305	314.21199	31665.7621	25075.9268	5802.1194
54363.5288	27265.6135	48517.5073	41469.8814	54329.4349	8684.76391	1366.96509	2576.69088	79144.5135	60987.7239	23907.0103
135.93	145.38	186.99	163.41	82.46	65.41	40.88	30.58	150.51	132.27	102.95
27152.7284	19070.7061	30483.7521	27027.6492	26145.7856	7392.91861	1191.53196	2168.82471	44874.4199	34625.8253	17735.0191
44034.9536	26131.9811	43329.822	37823.5737	52435.8282	8537.02728	1330.47802	2465.25633	74813.2528	58867.1787	23421.4708
3.944673	5.415654	8.465299	6.306968	3.629	2.937646	2.093986	1.111088	5.701132	5.259979	4.473629
578.921676	412.485901	652.69756	577.115373	563.912881	169.498786	24.987833	34.670852	703.323865	539.681237	300.099288
49.501547	46.066727	48.423326	48.817995	49.01016	48.393209	57.097454	62.038814	69.687437	66.791485	67.860673

14.327159	8.29201	24.695896	17.330352	6.37132	0.934632	1.141949	2.481552	16.617287	14.026211	7.464674
706.72	429.66	730.38	633.5	581.14	172.62	25.62	36.4	741.02	560	305.76
2.007727	1.27875	2.17375	1.721467	1.911644	0.469076	0.07625	0.11375	2.10517	1.75	0.91
21157.9956	7385.80134	14435.3786	11813.3893	27397.0996	1150.91465	142.887305	314.21199	31665.7621	25075.9268	5802.1194
21157.9956	7385.80134	14435.3786	11813.3893	27397.0996	1150.91465	142.887305	314.21199	31665.7621	25075.9268	5802.1194
127.798323	17.174098	77.682439	56.384626	17.227118	3.121213	0.632166	1.729147	37.696134	20.318762	5.660711
6052.80477	809.106074	3598.37662	2628.84296	786.549613	140.930648	32.54583	93.65418	2604.33145	1285.97176	369.871821
10.49	11.73	17.28	15.92	7.39	7.69	1.43	1.75	12.22	9.61	8.24
-21157.996	-7385.8013	-14435.379	-11813.389	-27397.1	-1150.9147	-142.88731	-314.21199	-31665.762	-25075.927	-5802.1194
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1.79	0.42	1.69	1.22	0.12	0.21	0.04	0.04	0.71	0.37	0.12
9852.2802	7327.4486	14550.4544	11749.3799	8892.0103	2543.6849	404.3172	705.6171	13833.0359	10050.8273	5039.9077
0.3	0.18	0.24	0.14	0.11	0.06	0.01	0.03	0.39	0.06	0.1
315	189	252	147	115.5	63	10.5	31.5	409.5	63	105
33205.5332	19879.8122	34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971	18104.8909
33205.5332	19879.8122	34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971	18104.8909
32890.5332	19690.8122	33830.1287	29509.4922	26816.8353	7470.84925	1213.57779	2230.97889	47069.2514	35848.7971	17999.8909
706.72	429.66	730.38	633.5	581.14	172.62	25.62	36.4	741.02	560	305.76
315	189	252	147	115.5	63	10.5	31.5	409.5	63	105
33205.5332	19879.8122	34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971	18104.8909

11.378549	11.100177	10.912442	11.000758	11.428383	10.898163	10.880974	10.88731	11.084731	11.105839	11.003156
0.319936	0.39727	0.488559	0.445095	0.356066	0.402752	0.385875	0.378033	0.452709	0.431323	0.416766
0.236299	0.381843	0.470709	0.426938	0.339174	0.387525	0.37075	0.360379	0.43585	0.413801	0.401364
627248.503	983075.45	1339392.28	1298695.7	759732.116	1010523.66	979607.382	1022621.37	1290385.71	1097456.2	1045964.25
3237.64591	4343.54532	5034.55891	5193.67703	3637.91716	4957.98489	4419.37241	3869.73504	4935.59858	4371.87863	4625.1336
30534.416	47098.68	58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056	49506.582
0.034535	0.035005	0.034894	0.036509	0.03561	0.034016	0.035275	0.031886	0.033499	0.036713	0.034629
340815.549	515943.013	629987.483	628377.05	423798.963	566899.763	494711.381	457783.863	615049.878	531315.286	537249.51
524206.084	629897.378	830636.087	808213.607	568052.847	625237.715	506466.894	472266.858	934110.083	779215.313	677739.62
2.305096	2.281885	2.329641	2.308077	2.303107	2.253133	2.231126	2.249834	2.532621	2.512813	2.439829
305983.914	562609.211	655243.245	667138.757	442529.295	656821.373	598060.852	561299.403	700161.388	618569.987	661434.476
32880.9147	9180.12777	38697.4248	25606.425	6774.80265	2063.14526	1237.10578	2751.54879	17330.7957	10695.5292	3847.16843
95520.001	118587.139	118847.207	129646.995	106334.163	129958.346	118435.095	112038.662	124471.138	112790.567	118855.677

271.363639	352.937913	353.711925	352.301616	349.78343	353.147679	352.485401	350.120818	353.611187	352.470521	353.737133
129219.2	123345.6	123345.6	135092.8	111598.4	135092.8	123345.6	117472	129219.2	117472	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
30534.416	47098.68	58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056	49506.582
138.508931	155.39129	191.598286	166.681845	151.627104	126.810477	121.310542	110.068817	191.131455	201.016745	161.953412
27.64892	26.684236	26.927818	26.796114	27.619944	25.845746	25.439055	25.630933	29.460466	29.234157	28.147037
910731.507	1289695.96	1609719.91	1599051.34	1097076.25	1386105.93	1191442.59	1110359.98	1757304.19	1500887.73	1440767.68
1353108.54	1600047.6	2334786.49	2187113.47	1712002.66	1540634.78	1283629.91	1238219.94	3132457.37	2595945.05	1914687.83
442377.037	310351.643	725066.58	588062.13	614926.417	154528.849	92187.32	127859.969	1375153.18	1095057.33	473920.143
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1144.72	1516.02	1714.89	1723.93	1202.55	1406.69	1195.72	1066.21	1699.36	1525	1458.02
259327.099	279944.118	240262.849	266174.464	310281.414	342781.403	179282.774	60547.9117	434398.947	375142.775	363820.767
453463.837	399119.484	348001.457	386901.203	657596.485	426504.81	217457.831	74142.4292	782353.848	685987.549	529733.588
9.030871	12.41568	11.525088	10.755699	5.003063	14.534858	12.414827	6.6104	6.757449	6.763328	13.062296
7090.53108	8192.23	6062.41596	6968.42675	8600.30755	11489.1404	6195.65299	1703.17028	9045.83367	8042.38382	9995.1052
20.845781	25.057892	33.012885	29.196221	17.012383	24.630744	25.006313	26.450979	31.648047	29.546558	28.211699
20.694439	24.955879	32.979576	29.139509	16.981187	24.483545	24.917138	26.404779	31.615464	29.534029	28.158593
30534.416	47098.68	58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056	49506.582
86.7455	140.174642	172.797428	156.728967	124.510934	142.260717	136.102678	132.295237	160.000767	151.906425	147.341017
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23443.8849	38906.45	51997.52	50707.8332	29251.0164	40862.8036	39534.847	40631.3057	47274.4363	40567.6722	39511.4768
627248.503	983075.45	1339392.28	1298695.7	759732.116	1010523.66	979607.382	1022621.37	1290385.71	1097456.2	1045964.25
84.95	109.27	105.63	111.6	80.79	155.72	121.09	56.09	125.92	115.16	144.72
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257.6	226.49	230.08	256.29	223.1	211.98	214.33	263.41	225.76	204.73	191.21
0.099173				0.004784			0.00909			
154188.315	239584.221	308331.655	302044.782	206683.026	219458.736	205695.065	225786.245	311568.897	262504.264	231607.876
3.88	4.28	5.03	4.61	3.69	4.35	3.81	3.29	4.96	3.9	4.16
25067.019	27411.8893	31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111	31458.2665
1041759.61	1526148.38	1884370.74	1878880.97	1280706.74	1662340.29	1443627.92	1344392.8	2027228.34	1739317.73	1695967.12
1041759.61	1526148.38	1884370.74	1878880.97	1280706.74	1662340.29	1443627.92	1344392.8	2027228.34	1739317.73	1695967.12
830189.998	1192506.59	1485879.33	1475352.36	1010582.14	1282059.09	1104527.75	1033566.26	1634271.47	1397785.3	1339174.1
30534.416	47098.68	58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056	49506.582

25067.019	27411.8893	31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111	31458.2665
1041759.61	1526148.38	1884370.74	1878880.97	1280706.74	1662340.29	1443627.92	1344392.8	2027228.34	1739317.73	1695967.12
55474.4897	69777.4772	92705.4734	88991.2265	59045.2875	70763.1276	54092.5838	49330.1947	89416.5871	74446.7164	70135.3214
0.04	0.06			0.05						

1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
293992.561	303087.104	441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11	239160.434
1516.24218	1322.38226	1685.56574	1796.13914	771.016409	1108.31186	1285.797	1829.56487	1394.97689	1152.79641	1056.13461
-68100.395	-75700.229	-88346.657	-91249.805	-63510.996	-74979.163	-74314.096	-84305.067	-91984.054	-80190.329	-75804.094
68100.3948	75700.2294	88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
293992.561	303087.104	441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11	239160.434
266.1	226.03	229.16	255.04	222.91	211.3	213.83	262.3	224.76	203.62	190.41
152.705134	166.025432	194.537583	185.868252	144.092071	130.430721	150.757392	189.176523	166.692448	162.614127	142.957453
79.599146	75.237976	87.187379	87.419849	73.341808	63.14229	69.4826	90.539835	82.129892	82.406751	67.665311
23262.1035	19052.3264	22274.5988	25062.4029	19229.0228	13746.5354	15507.5428	24855.5518	23061.2082	20409.045	14785.3702
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-25.658512	-25.896746	-32.700935	-29.608068	-24.895983	-24.717793	-24.654042	-25.194917	-38.694907	-36.135525	-29.912189
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1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
2040959.44	2258996.79	3328330.07	3144410.04	1754245.49	2080903.55	2117973.6	2608488.39	3921697.78	3186692.81	2505864.19
68100.3948	75700.2294	88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76

1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
293992.561	303087.104	441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11	239160.434
1516.24218	1322.38226	1685.56574	1796.13914	771.016409	1108.31186	1285.797	1829.56487	1394.97689	1152.79641	1056.13461
-68100.395	-75700.229	-88346.657	-91249.805	-63510.996	-74979.163	-74314.096	-84305.067	-91984.054	-80190.329	-75804.094
68100.3948	75700.2294	88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
293992.561	303087.104	441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11	239160.434
266.1	226.03	229.16	255.04	222.91	211.3	213.83	262.3	224.76	203.62	190.41

152.705134	166.025432	194.537583	185.868252	144.092071	130.430721	150.757392	189.176523	166.692448	162.614127	142.957453
79.599146	75.237976	87.187379	87.419849	73.341808	63.14229	69.4826	90.539835	82.129892	82.406751	67.665311
23262.1035	19052.3264	22274.5988	25062.4029	19229.0228	13746.5354	15507.5428	24855.5518	23061.2082	20409.045	14785.3702
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-193.46703	-225.2983	-262.93648	-247.96143	-208.91775	-203.74773	-221.1729	-263.45333	-261.31833	-250.59478	-225.60742
-1746966.9	-1955909.7	-2886575.8	-2697795	-1591531.8	-1853109.9	-1832645.5	-2125199.9	-3554938.4	-2896442.7	-2266703.8
-25.658512	-25.896746	-32.700935	-29.608068	-24.895983	-24.717793	-24.654042	-25.194917	-38.694907	-36.135525	-29.912189
-1746966.9	-1955909.7	-2886575.8	-2697795	-1591531.8	-1853109.9	-1832645.5	-2125199.9	-3554938.4	-2896442.7	-2266703.8
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
2040959.44	2258996.79	3328330.07	3144410.04	1754245.49	2080903.55	2117973.6	2608488.39	3921697.78	3186692.81	2505864.19
68100.3948	75700.2294	88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76

206390.678	159406.63	122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427	208770.036
1070.01924	720.033124	470.529408	536.37495	677.546341	954.870802	824.617961	670.934113	812.300978	799.459265	929.696033
7313.63139	5648.71119	4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989	7019.83981
186704.513	142444.509	137765.722	134044.561	121087.765	168860.586	157750.375	155921.065	273612.91	240909.719	207662.985
7313.63139	5648.71119	4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989	7019.83981
20.777361	16.81164	12.887567	12.656566	16.315488	18.656211	19.161257	19.505428	20.223669	20.977999	20.89238
-19686.165	-16962.12	15566.8401	2606.62617	-18880.857	-24883.419	-23935.131	-20220.752	61901.8329	41266.2924	-1107.0511
-19686.165	-16962.12	15566.8401	2606.62617	-18880.857	-24883.419	-23935.131	-20220.752	61901.8329	41266.2924	-1107.0511
7313.63139	5648.71119	4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989	7019.83981
206390.678	159406.63	122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427	208770.036
19686.165	16962.1205	-15566.84	-2606.6262	18880.8567	24883.4191	23935.1314	20220.7519	-61901.833	-41266.292	1107.05107
19686.165	16962.1205	-15566.84	-2606.6262	18880.8567	24883.4191	23935.1314	20220.7519	-61901.833	-41266.292	1107.05107
68100.3948	75700.2294	88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
206390.678	159406.63	122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427	208770.036

206390.678	159406.63	122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427	208770.036
7313.63139	5648.71119	4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989	7019.83981
206390.678	159406.63	122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427	208770.036
206390.678	159406.63	122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427	208770.036
7313.63139	5648.71119	4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989	7019.83981
186704.513	142444.509	137765.722	134044.561	121087.765	168860.586	157750.375	155921.065	273612.91	240909.719	207662.985
-19686.165	-16962.12	15566.8401	2606.62617	-18880.857	-24883.419	-23935.131	-20220.752	61901.8329	41266.2924	-1107.0511
206390.678	159406.63	122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427	208770.036
213372.314	164513.592	126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278	213565.964
1106.20766	743.176671	487.101879	554.985875	699.768411	985.961489	852.147359	693.192697	831.011512	818.005692	951.05696
8219.2725	6337.19537	4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407	7886.48315
209812.21	159733.574	155062.773	150821.094	135939.484	189542.135	177210.179	175106.748	307404.154	270715.055	233289.738
17.130548	16.75043	23.319552	28.933888	12.080479	27.209417	28.723735	21.848964	26.412897	32.140194	24.79914
10.62094	0.670017	0.932782	0.868016	0.362414	0.816282	1.723424	1.310937	1.056515	0.642803	0.495982
8219.2725	6337.19537	4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407	7886.48315
23.350205	18.8607	14.50375	14.236344	18.317567	20.93943	21.524545	21.906397	22.721688	23.573356	23.471676
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8219.2725	6337.19537	4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407	7886.48315
213372.314	164513.592	126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278	213565.964
3560.10436	4780.01817	-28552.943	-14817.306	8619.82686	10498.1033	10538.9637	6874.08136	-90817.386	-66437.777	-19723.774
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9.41	0.18	0.29	0.11	0.06	0.3	0.58	0.5	0.32	0.11	0.07
68100.3948	75700.2294	88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
213372.314	164513.592	126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278	213565.964
213372.314	164513.592	126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278	213565.964
8219.2725	6337.19537	4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407	7886.48315
213372.314	164513.592	126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278	213565.964
213372.314	164513.592	126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278	213565.964
8219.2725	6337.19537	4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407	7886.48315
209812.21	159733.574	155062.773	150821.094	135939.484	189542.135	177210.179	175106.748	307404.154	270715.055	233289.738
-3560.1044	-4780.0182	28552.9426	14817.3062	-8619.8269	-10498.103	-10538.964	-6874.0814	90817.3857	66437.7769	19723.7745
213372.314	164513.592	126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278	213565.964

148251.839	160985.234	151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681	161902.32
769.312346	728.377251	577.59132	727.36381	538.35511	529.989142	558.528728	549.28631	625.816597	546.621211	722.206243
2893.84812	3142.40161	2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924	3160.30294
73795.1167	77409.8207	96080.3442	99753.6728	55271.3192	51671.1056	58479.9946	70714.0733	121760.164	94681.0014	92332.7249
2893.84812	3142.40161	2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924	3160.30294
8.221159	9.352385	8.788134	9.500151	7.193427	5.695924	7.146232	8.797685	9.059375	8.324997	9.405663
-74456.722	-83575.414	-55192.283	-79349.262	-56758.538	-55712.104	-64530.101	-73511.664	-41607.186	-41795.679	-69569.595
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2893.84812	3142.40161	2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924	3160.30294
148251.839	160985.234	151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681	161902.32
74456.7222	83575.4136	55192.2831	79349.2617	56758.5382	55712.1036	64530.1011	73511.6638	41607.1857	41795.6795	69569.5948
74456.7222	83575.4136	55192.2831	79349.2617	56758.5382	55712.1036	64530.1011	73511.6638	41607.1857	41795.6795	69569.5948
68100.3948	75700.2294	88346.6566	89107.3124	61045.2304	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
148251.839	160985.234	151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681	161902.32
148251.839	160985.234	151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681	161902.32
2893.84812	3142.40161	2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924	3160.30294
148251.839	160985.234	151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681	161902.32
148251.839	160985.234	151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681	161902.32
2893.84812	3142.40161	2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924	3160.30294
73795.1167	77409.8207	96080.3442	99753.6728	55271.3192	51671.1056	58479.9946	70714.0733	121760.164	94681.0014	92332.7249
-74456.722	-83575.414	-55192.283	-79349.262	-56758.538	-55712.104	-64530.101	-73511.664	-41607.186	-41795.679	-69569.595
148251.839	160985.234	151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681	161902.32

192363.355	169384.05	124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8	228594.854
998.46266	770.309734	481.625704	555.661789	726.641354	1186.66303	942.980498	681.555969	854.59789	613.138414	1018.5639
2967.65436	2613.14486	1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881	3440.62092
75992.793	63398.6924	59800.8322	56616.6939	55681.8515	90767.3968	78043.8211	67834.7664	126034.015	81912.9577	100311.947
2967.65436	2613.14486	1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881	3440.62092
8.430836	7.777216	5.709052	5.670983	7.617453	10.061218	9.524231	8.597391	9.49643	7.166183	10.239943
-116370.56	-105985.36	-64539.598	-78657.591	-94422.202	-149230.49	-129389.38	-110495.77	-96057.857	-70445.842	-128282.91
-116370.56	-105985.36	-64539.598	-78657.591	-94422.202	-149230.49	-129389.38	-110495.77	-96057.857	-70445.842	-128282.91
2967.65436	2613.14486	1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881	3440.62092
192363.355	169384.05	124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8	228594.854
116370.562	105985.357	64539.5975	78657.5911	94422.2024	149230.492	129389.379	110495.774	96057.8569	70445.8425	128282.907
116370.562	105985.357	64539.5975	78657.5911	94422.2024	149230.492	129389.379	110495.774	96057.8569	70445.8425	128282.907

67950.1335	75335.7486	85987.6033	88439.1911	63074.0591	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
192363.355	169384.05	124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8	228594.854
192363.355	169384.05	124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8	228594.854
2967.65436	2613.14486	1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881	3440.62092
192363.355	169384.05	124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8	228594.854
192363.355	169384.05	124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8	228594.854
2967.65436	2613.14486	1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881	3440.62092
75992.793	63398.6924	59800.8322	56616.6939	55681.8515	90767.3968	78043.8211	67834.7664	126034.015	81912.9577	100311.947
-116370.56	-105985.36	-64539.598	-78657.591	-94422.202	-149230.49	-129389.38	-110495.77	-96057.857	-70445.842	-128282.91
192363.355	169384.05	124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8	228594.854
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
3944.00191	2961.89678	2016.84831	2374.38643	2642.31122	3657.48447	3178.27455	2594.96909	3123.72698	2777.22458	3621.52313
21394.4064	17741.453	14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612	21507.2468
546304.632	442986.596	448709.672	441236.021	367980.419	500841.223	471484.37	469576.653	828811.243	688218.733	633597.395
17.130548	16.75043	23.319552	28.933888	12.080479	27.209417	28.723735	21.848964	26.412897	32.140194	24.79914
10.62094	0.670017	0.932782	0.868016	0.362414	0.816282	1.723424	1.310937	1.056515	0.642803	0.495982
21394.4064	17741.453	14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612	21507.2468
60.779563	52.801943	41.888505	42.064046	49.443936	55.352783	57.356267	58.806903	61.501162	60.042537	64.009663
-214073.55	-211302.91	-75612.098	-140582.92	-178681.42	-240324.12	-228393.58	-211102.27	15054.176	-4537.4526	-179235.78
-214073.55	-211302.91	-75612.098	-140582.92	-178681.42	-240324.12	-228393.58	-211102.27	15054.176	-4537.4526	-179235.78
21394.4064	17741.453	14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612	21507.2468
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
214073.554	211302.91	75612.098	140582.92	178681.424	240324.118	228393.575	211102.271	-15054.176	4537.45264	179235.779
214073.554	211302.91	75612.098	140582.92	178681.424	240324.118	228393.575	211102.271	-15054.176	4537.45264	179235.779
9.41	0.18	0.29	0.11	0.06	0.3	0.58	0.5	0.32	0.11	0.07
272251.318	302436.437	351027.573	360046.114	251141.282	299916.654	297256.382	337220.266	367936.215	320761.317	303216.375
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
21394.4064	17741.453	14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612	21507.2468
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
21394.4064	17741.453	14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612	21507.2468
546304.632	442986.596	448709.672	441236.021	367980.419	500841.223	471484.37	469576.653	828811.243	688218.733	633597.395
-214073.55	-211302.91	-75612.098	-140582.92	-178681.42	-240324.12	-228393.58	-211102.27	15054.176	-4537.4526	-179235.78

760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
11.378549	11.100177	10.912442	11.000758	11.428383	10.898163	10.880974	10.88731	11.084731	11.105839	11.003156
0.319936	0.39727	0.488559	0.445095	0.356066	0.402752	0.385875	0.378033	0.452709	0.431323	0.416766
0.236299	0.381843	0.470709	0.426938	0.339174	0.387525	0.37075	0.360379	0.43585	0.413801	0.401364
1746966.88	1955909.68	2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71	2266703.76
1681619.25	1940452.06	2305468.33	2327129.67	1469107.66	1979482.62	1964813.38	2186588.77	2470902.12	2080462.5	2097957.86
8697.89	8627.82437	8736.97296	9364.2026	7051.24478	9723.78122	8883.44396	8294.269	9454.30244	8301.89963	9302.79134
-16171.572	-10860.096	-16212.183	-18093.976	-10628.715	-2257.395	-9311.8898	-23152.382	-14015.374	-12366.661	-4790.265
2817903.52	2689816.99	2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08	2743613.33
0.034535	0.035005	0.034894	0.036509	0.03561	0.034016	0.035275	0.031886	0.033499	0.036713	0.034629
340815.549	515943.013	629987.483	628377.05	423798.963	566899.763	494711.381	457783.863	615049.878	531315.286	537249.51
524206.084	629897.378	830636.087	808213.607	568052.847	625237.715	506466.894	472266.858	934110.083	779215.313	677739.62
2.305096	2.281885	2.329641	2.308077	2.303107	2.253133	2.231126	2.249834	2.532621	2.512813	2.439829
305983.914	562609.211	655243.245	667138.757	442529.295	656821.373	598060.852	561299.403	700161.388	618569.987	661434.476
32880.9147	9180.12777	38697.4248	25606.425	6774.80265	2063.14526	1237.10578	2751.54879	17330.7957	10695.5292	3847.16843
95520.001	118587.139	118847.207	129646.995	106334.163	129958.346	118435.095	112038.662	124471.138	112790.567	118855.677
271.363639	352.937913	353.711925	352.301616	349.78343	353.147679	352.485401	350.120818	353.611187	352.470521	353.737133
129219.2	123345.6	123345.6	135092.8	111598.4	135092.8	123345.6	117472	129219.2	117472	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
30534.416	47098.68	58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056	49506.582
138.508931	155.39129	191.598286	166.681845	151.627104	126.810477	121.310542	110.068817	191.131455	201.016745	161.953412
27.64892	26.684236	26.927818	26.796114	27.619944	25.845746	25.439055	25.630933	29.460466	29.234157	28.147037
910731.507	1289695.96	1609719.91	1599051.34	1097076.25	1386105.93	1191442.59	1110359.98	1757304.19	1500887.73	1440767.68
1353108.54	1600047.6	2334786.49	2187113.47	1712002.66	1540634.78	1283629.91	1238219.94	3132457.37	2595945.05	1914687.83
68100.3948	75700.2294	88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292	75804.0938
442377.037	310351.643	725066.58	588062.13	614926.417	154528.849	92187.32	127859.969	1375153.18	1095057.33	473920.143
1899413.18	2043034.2	2783496.17	2628349.49	2079983.08	2041476.01	1755114.28	1707796.6	3961268.61	3284163.79	2548285.22
1144.72	1516.02	1714.89	1723.93	1202.55	1406.69	1195.72	1066.21	1699.36	1525	1458.02
259327.099	279944.118	240262.849	266174.464	310281.414	342781.403	179282.774	60547.9117	434398.947	375142.775	363820.767
18.795046	18.660549	23.061485	21.127619	18.095981	18.202229	18.180582	18.553953	27.629301	25.88414	21.649787
293992.561	303087.104	441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11	239160.434
266.1	226.03	229.16	255.04	222.91	211.3	213.83	262.3	224.76	203.62	190.41

152.705134	166.025432	194.537583	185.868252	144.092071	130.430721	150.757392	189.176523	166.692448	162.614127	142.957453
6.633262	6.269831	7.265614	7.284987	4.583863	5.261857	5.790216	7.544986	5.133118	5.150421	5.638775
23,262	19,052	22,275	25,062	19,229	13,747	15,508	24,856	23,061	20,409	14,785
453463.837	399119.484	348001.457	386901.203	657596.485	426504.81	217457.831	74142.4292	782353.848	685987.549	529733.588
5.268008	7.24248	6.722968	6.274158	3.439605	8.478667	7.241982	3.856066	4.645746	4.649788	7.619673
7,091	8,192	6,062	6,968	8,600	11,489	6,196	1,703	9,046	8,042	9,995
20.675751	25.048934	32.93668	29.1746	17.021795	24.611035	25.0462	26.381586	31.623932	29.531727	28.208632
20.539301	24.947503	32.90348	29.117937	16.990686	24.464873	24.958416	26.336404	31.591567	29.519202	28.155661
-16171.572	-10860.096	-16212.183	-18093.976	-10628.715	-2257.395	-9311.8898	-23152.382	-14015.374	-12366.661	-4790.265
-45.941967	-32.321715	-48.250544	-49.168413	-34.962879	-6.134225	-27.713957	-72.351192	-39.816404	-38.645816	-14.25674
-4467595	-4783130.4	-5201589.1	-5476135.5	-3772561.2	-5161129.6	-4910854.1	-5004205.5	-5308916.8	-4657317.9	-4970832.2
-65.61013	-63.205673	-58.910793	-60.027815	-59.512255	-68.836024	-66.085625	-59.367572	-57.717245	-58.07363	-65.580481
-4467595	-4783130.4	-5201589.1	-5476135.5	-3772561.2	-5161129.6	-4910854.1	-5004205.5	-5308916.8	-4657317.9	-4970832.2
44838.2913	56647.903	66072.0578	66187.4022	44281.9732	61232.628	58806.5527	59449.5148	68922.8456	59781.2842	61018.7236
1387626.69	1637364.96	1863714.05	1880514.64	1306393.96	1751689	1679485.33	1703300.29	2104142.77	1790212.39	1858797.42
4336566.91	4546677.94	4926938.3	5196305.84	3588930.75	4884895.23	4658668.79	4770172.68	5038992.67	4418887.91	4715632.73
4177095.63	4450645.56	5020691.12	5256019.67	3094047.96	4686184.04	4726539.01	5179318.73	4623398.17	4023150.47	4425059.57
0.099173				0.004784			0.00909			
494540.027	617720.887	747705.884	753340.701	521335.304	594354.553	577265.543	647311.578	771489.166	663455.91	610628.345
3.88	4.28	5.03	4.61	3.69	4.35	3.81	3.29	4.96	3.9	4.16
25067.019	27411.8893	31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111	31458.2665
6367008.19	6826164.56	7985085.29	8104484.96	5852544.32	7202605.59	6665968.4	6712002.1	9270185.43	7941481.7	7519117.38
3549104.68	4136347.56	5295268.3	5158494.93	3418900.38	4256615.55	3976151.41	4150271.63	6395923.84	5328516.62	4775504.05
830189.998	1192506.59	1485879.33	1475352.36	1010582.14	1282059.09	1104527.75	1033566.26	1634271.47	1397785.3	1339174.1
51928.8224	64840.133	72134.4737	73155.829	52882.2808	72721.7684	65002.2057	61152.6851	77968.6793	67823.668	71013.8288
25067.019	27411.8893	31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111	31458.2665
3549104.68	4136347.56	5295268.3	5158494.93	3418900.38	4256615.55	3976151.41	4150271.63	6395923.84	5328516.62	4775504.05
55474.4897	69777.4772	92705.4734	88991.2265	59045.2875	70763.1276	54092.5838	49330.1947	89416.5871	74446.7164	70135.3214
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174
21394.4064	17741.453	14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612	21507.2468
546304.632	442986.596	448709.672	441236.021	367980.419	500841.223	471484.37	469576.653	828811.243	688218.733	633597.395
-214073.55	-211302.91	-75612.098	-140582.92	-178681.42	-240324.12	-228393.58	-211102.27	15054.176	-4537.4526	-179235.78
760378.186	654289.506	524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186	812833.174

2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	2020-02
2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84	2612965.08	2743613.33	2923715.55	2657923.23
-2874261.6	-2874261.6	-2612965.1	-2874261.6	-2874261.6	-2612965.1	-3004909.8	-2612965.1	-2743613.3	-2923715.6	-2657923.2
-2874261.6	-2874261.6	-2612965.1	-2874261.6	-2874261.6	-2612965.1	-3004909.8	-2612965.1	-2743613.3	-2923715.6	-2657923.2
2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84	2612965.08	2743613.33	2923715.55	2657923.23
2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84	2612965.08	2743613.33	2923715.55	2657923.23
2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84	2612965.08	2743613.33	2923715.55	2657923.23
27.048772	27.978332	27.759612	34.977362	31.805922	26.830052	26.994092	26.884732	27.431532	42.073335	39.212955
0	0	0	0	0	0	0	0	0	0	0
26.922716	27.852276	27.633556	34.851306	31.679866	26.703996	26.868036	26.758676	27.305476	41.951462	39.091082
27.019682	27.949242	27.730522	34.948272	31.776832	26.800962	26.965002	26.855642	27.402442	42.04521	39.18483
26.292434	27.221994	27.003274	34.221024	31.049584	26.073714	26.237754	26.128394	26.675194	41.342096	38.481716
26.573637	27.503197	27.284477	34.502227	31.330787	26.354917	26.518957	26.409597	26.956397	41.613967	38.753587
27.000289	27.929849	27.711129	34.928879	31.757439	26.781569	26.945609	26.836249	27.383049	42.02646	39.16608
27.039075	27.968635	27.749916	34.967665	31.796225	26.820356	26.984395	26.875035	27.421835	42.06396	39.20358

18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	19.069515	19.069515
0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.989999	0.99	1.01	1.01
26.73848	27.66804	27.44932	34.66707	31.49563	26.51976	26.6838	26.57444	27.12124	41.77334	38.91296
3.613415	3.379049	3.361942	3.376219	3.383718	3.390451	3.466775	4.058142	4.586452	4.910765	4.945346
19.827842	20.428018	20.280779	25.093802	22.980134	19.663448	19.779168	19.755542	20.164102	29.990009	28.085971
19.827842	20.428018	20.280779	25.093802	22.980134	19.663448	19.779168	19.755542	20.164102	29.990009	28.085971
	0.41682		0.27788	0.13894	0.27788				0.27788	0.55576
	0.007424		0.000721	0.001228	0.013024				0.004532	0.001372
	0.007424		0.000656	0.00106	0.012611				0.004267	0.001305
	110.650123		55.372655	307.400592	788.916213				332.45777	
	0.557797		0.164554	1.082216	3.646946				1.188759	
	58.8		5.2	8.4	90.8				33.8	9.4
0.027556	0.031846	0.028562	0.029545	0.031789	0.038625	0.02807	0.031687	0.02488	0.030539	0.033937
	816.9672		72.2488	116.7096	1261.5752				469.617199	130.6036
	15273.6949		1350.73492	2181.95641	23585.9098				8955.37253	2490.54739
	0.595002		0.396668	0.198334	0.396668				0.4046	0.8092
	929.54528		82.204684	132.792182	1435.42026				544.99076	151.565477
7701.75	7667.775	6994.35	7686	7668.225	6921.9	8047.575	6971.85	7371.9	7678.125	6955.65
21.879971	21.783451	21.857343	21.835227	21.78473	21.630937	21.86841	21.787031	21.940178	21.812855	21.736406
7920	7920	7200	7920	7920	7200	8280	7200	7560	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	58.8		5.2	8.4	90.8				33.8	9.4
	8.313563		5.779714	2.776343	5.539759				5.696548	11.45219
	8.313563		5.779714	2.776343	5.539759				5.696548	11.45219
	16290.9953		1463.87871	2332.12829	25143.0052				9562.80289	2678.20047
	20074.9891		1623.12622	2725.26444	57615.3501				11509.7908	2909.09934
	3783.99382		159.24751	393.136141	32472.345				1946.98794	230.898876

20074.9891		1623.12622	2725.26444	57615.3501					11509.7908	2909.09934
8.92		2.67	2.76	5.89					4.09	4.7
16180.3451		1408.50605	2024.7277	24354.0889					9230.34512	2678.20047
19962.9386		1564.70428	2318.60285	54857.3057					11166.5871	2909.09934
0.6		0.325939	0.182218	0.399151					0.315554	0.8
58.4		5.00275	7.288747	87.948069					32.652362	9.4
280.077627		287.219933	276.625308	276.625308					284.677674	
2.800776		5.744398	2.766253	2.766253					5.693553	
58.8		5.2	8.4	90.8					33.8	9.4
0.167045		0.014772	0.023863	0.28375					0.096022	0.029375
3783.99382		159.24751	393.136141	32472.345					1946.98794	230.898876
3783.99382		159.24751	393.136141	32472.345					1946.98794	230.898876
0.4		0.197249	1.111252	2.85193					1.147637	
110.650123		55.372655	307.400592	788.916213					332.45777	
0.7		0.09	0.13	0.24					0.62	0.26
-3783.9938		-159.24751	-393.13614	-32472.345					-1946.9879	-230.89888
-23746.932		-1723.9518	-2711.739	-87329.651					-13113.575	-3139.9982
0.02									0.02	
585.0245		79.1908	116.2604	998.4987					460.796	121.9591
0.03		0.03	0.01	0.03					0.03	0.03
25.4271		25.4271	8.4757	25.4271					25.9356	25.9356
16290.9953		1463.87871	2332.12829	25143.0052					9562.80289	2678.20047
16290.9953		1463.87871	2332.12829	25143.0052					9562.80289	2678.20047
16203.2402		1432.93961	2314.74859	25021.3301					9500.36329	2642.11287
58.8		5.2	8.4	90.8					33.8	9.4
25.4271		25.4271	8.4757	25.4271					25.9356	25.9356
16290.9953		1463.87871	2332.12829	25143.0052					9562.80289	2678.20047
62.328		5.512	8.904	96.247999					36.503999	10.152

5.46302	3.29665	4.7095	7.25263	6.78168	2.35475	5.55721	4.61531	3.7676	5.6514	6.12235
0.139143	0.218402	0.203841	0.28446	0.228193	0.136867	0.145751	0.075872	0.054747	0.244096	0.222159
0.135795	0.210426	0.199156	0.275397	0.221079	0.131343	0.141168	0.073968	0.053988	0.238551	0.213468
6063.05678	42269.0967	51137.2464	139232.188	82250.1844	26131.6388	105609.274	9549.91441	22702.6667	88520.9347	57669.3716
29.139332	211.565945	202.790309	481.645167	298.397633	120.929533	502.113355	41.739844	82.673714	326.634829	220.850118
2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1	1372.86	1052.12	4870.26	3961.98

0.03034	0.03017	0.033593	0.032698	0.032784	0.028656	0.025652	0.036593	0.024047	0.025653	0.038781
26113.2356	40464.5891	34815.8265	52958.5159	42513.2216	22961.0731	28380.3889	12930.9683	9909.91828	45872.9789	37317.8896
96536.5555	135631.18	117040.498	183098.489	146980.123	78781.7492	101865.225	54152.3809	47179.4074	217270.362	178692.951
2.128727	1.169957	1.681383	2.635715	2.455237	0.865172	2.076652	1.966512	1.83048	2.590369	2.731918
1344.01308	10181.7137	12222.6608	32642.3994	19407.2183	6191.25923	24143.1114	1879.53487	4082.7335	15709.4198	10205.2298
19796.56	19800.04	17936.5	19748.42	19746.68	18028.14	20796.48	17880.82	19019.36	19892.26	17840.22
56.240227	56.250113	56.051562	56.103465	56.098522	56.337937	56.512173	55.877562	56.605238	56.512102	55.750687
20416	20416	18560	20416	20416	18560	21344	18560	19488	20416	18560
58	58	58	58	58	58	58	58	58	58	58
2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1	1372.86	1052.12	4870.26	3961.98
24.508891	13.64685	19.699015	30.661532	28.601926	10.024358	24.155133	22.352004	20.539707	28.991363	30.699012
24.508891	13.64685	19.699015	30.661532	28.601926	10.024358	24.155133	22.352004	20.539707	28.991363	30.699012
117353.613	167757.346	144738.01	225263.323	180788.531	96983.7447	124579.746	64563.0661	55171.9385	254385.583	208895.598
150752.787	382985.646	243733.983	368785.289	299390.863	332802.869	157818.104	80884.7518	68263.4366	470634.448	376127.742
33399.1742	215228.3	98995.9729	143521.966	118602.332	235819.124	33238.3581	16321.6857	13091.4982	216248.865	167232.143
150752.787	382985.646	243733.983	368785.289	299390.863	332802.869	157818.104	80884.7518	68263.4366	470634.448	376127.742
160.58	118.45	131.55	235.25	198.42	100.88	137.79	111.28	93.95	238.62	207.25
111290.556	125488.249	93600.7639	86031.1344	98538.3462	70852.1059	18970.4716	55013.1517	32469.2718	165864.649	151226.227
142942.704	282928.782	152687.158	134093.998	160343.124	239588.559	23775.6516	68339.4244	40429.8144	306719.326	272462.244
32.726061	15.807437	22.343789	23.604648	26.431318	11.543181	10.378733	26.68706	16.284053	27.245436	29.764865
2629.7083	3215.08392	2398.67986	2156.92923	2453.12702	1780.42402	449.864904	1173.31282	618.662786	3202.41631	2878.50726
43.014613	39.249697	40.000292	40.645801	40.347767	40.875459	42.481392	47.847837	52.995797	50.42262	49.341279
17.19296	13.710954	19.506503	31.243064	28.606274	10.21004	25.011658	19.968809	19.446176	28.719379	30.089331
2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1	1372.86	1052.12	4870.26	3961.98
7.876136	12.204715	11.551062	15.973068	12.822613	7.617937	8.187771	4.290187	3.131309	13.835965	12.381187
33399.1742	215228.3	98995.9729	143521.966	118602.332	235819.124	33238.3581	16321.6857	13091.4982	216248.865	167232.143
33399.1742	215228.3	98995.9729	143521.966	118602.332	235819.124	33238.3581	16321.6857	13091.4982	216248.865	167232.143
142.691695	1080.97608	1297.66014	3465.59077	2060.43298	657.315981	2563.2351	199.547177	433.457213	1667.84369	1083.47274
6063.05678	42269.0967	51137.2464	139232.188	82250.1844	26131.6388	105609.274	9549.91441	22702.6667	88520.9347	57669.3716
26.32	15.14	16.13	24.08	23.08	6.99	13.29	14.61	10.23	23.46	20.43
-33399.174	-215228.3	-98995.973	-143521.97	-118602.33	-235819.12	-33238.358	-16321.686	-13091.498	-216248.86	-167232.14
-176341.88	-498157.08	-251683.13	-277615.96	-278945.46	-475407.68	-57014.01	-84661.11	-53521.313	-522968.19	-439694.39
0.56	1.11	3.15	9.68	5.79	1.5	16.45	0.98	2.45	4.47	3.33
9759.6444	14634.8565	15465.0354	27360.8602	20715.1807	9095.3757	10896.5021	5401.0348	4927.836	22459.125	17568.6649
0.56	0.53	0.6	1	0.7	0.23	0.84	0.54	0.45	0.5	0.43

218.1256	206.4403	233.706	389.51	272.657	89.5873	327.1884	210.3354	175.2795	198.65	170.839
117353.613	167757.346	144738.01	225263.323	180788.531	96983.7447	124579.746	64563.0661	55171.9385	254385.583	208895.598
117353.613	167757.346	144738.01	225263.323	180788.531	96983.7447	124579.746	64563.0661	55171.9385	254385.583	208895.598
96536.5555	135631.18	117040.498	183098.489	146980.123	78781.7492	101865.225	54152.3809	47179.4074	217270.362	178692.951
2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1	1372.86	1052.12	4870.26	3961.98
218.1256	206.4403	233.706	389.51	272.657	89.5873	327.1884	210.3354	175.2795	198.65	170.839
117353.613	167757.346	144738.01	225263.323	180788.531	96983.7447	124579.746	64563.0661	55171.9385	254385.583	208895.598
20598.932	31919.7258	27463.8062	41775.3236	33535.7508	18112.4082	22387.333	10200.3498	7817.2516	36916.5708	30031.8084

10.998868	11.244258	11.132527	10.904394	10.984352	11.342728		10.995923	10.986482	10.974067	10.974234
0.652719	0.565466	0.598701	0.706092	0.663741	0.50735		0.638225	0.656067	0.70305	0.691342
0.630964	0.545342	0.575258	0.679991	0.643472	0.414677		0.614028	0.639898	0.677834	0.668041
418339.919	558223.236	543663.053	735035.474	687543.501	381085.114		494034.059	650743.996	713608.884	628204.262
2059.85315	2837.696	2369.74945	2730.38959	2691.79162	1772.59241		2181.93241	2427.44284	2683.5702	2460.95308
24653.052	21307.638	20433.184	26568.626	25141.772	14729.362		21810.296	23865.666	26484.346	23728.824
0.03446	0.035767	0.039718	0.038948	0.031988	0.039906	0.036793	0.039531	0.025744	0.035142	0.033375
268525.993	235446.18	224349.118	287342.155	273417.643	164708.654		237745.269	259888.194	286618.711	257146.297
265956.024	233217.625	220643.81	284119.921	270567.959	163075.151		234368.339	256299.468	289548.156	259915.66
2.476	2.476	2.476	2.476	2.476	2.476		2.476	2.476	2.5467	2.5467
399029.625	349873.023	333382.79	426990.442	406298.618	244757.06		353289.47	386193.856	440446.973	395156.714
37725.57	37674.51	34109.19	37550.19	37822.14	29070.9		34115.85	36335.85	37698.93	34334.52
107.174914	107.029857	106.591218	106.676676	107.449261	90.846562		106.612031	108.14241	107.099232	107.295375
39072	39072	35520	39072	39072	35520	40848	35520	37296	39072	35520
111	111	111	111	111	111	111	111	111	111	111
24653.052	21307.638	20433.184	26568.626	25141.772	14729.362		21810.296	23865.666	26484.346	23728.824
28.947965	29.59421	29.349143	28.710666	28.91282	29.854099		28.968373	28.882633	29.662275	29.691949
28.663734	29.270396	29.001456	28.429053	28.626202	29.512078		28.660519	28.637386	29.409021	29.407295
705946.354	619417.591	589027.983	755486.148	718601.241	433400.599		624478.282	681577.167	774176.754	695690.477
793057.34	894332.618	735980.281	1108984.56	975097.383	652759.213		684143.936	762882.629	1386520.7	1183572.03
87110.9861	274915.028	146952.299	353498.411	256496.142	219358.615		59665.6542	81305.462	612343.947	487881.55
793057.34	894332.618	735980.281	1108984.56	975097.383	652759.213		684143.936	762882.629	1386520.7	1183572.03
339.87	339.41	307.29	338.29	340.74	261.86		307.35	327.35	339.63	309.32
281899.595	55337.3342	39582.9997	14068.0246	25275.8099	47810.0842		124812.473	25877.23	55053.3901	61512.195
395627.594	144912.909	64344.2566	20125.3634	38638.5427	150463.69		173239.009	35607.0443	125217.197	126731.19

52.371457	14.471552	16.615329	13.781467	14.457934	15.357925		35.459975	16.280665	18.547272	20.373242
10194.9219	2003.13043	1452.89828	513.440902	919.045673	1726.92712		4535.75002	941.451151	1937.15323	2165.84982
21.850672	14.400905	19.423817	23.806278	22.366553	11.641774		22.572708	24.669621	24.204909	23.279009
21.530935	14.38436	19.395415	23.792548	22.347337	11.603748		22.467897	24.651949	24.193962	23.261288
24653.052	21307.638	20433.184	26568.626	25141.772	14729.362		21810.296	23865.666	26484.346	23728.824
70.037079	60.533062	63.8537	75.479051	71.425488	46.029256		68.157175	71.028767	75.239619	74.152575
-53247.55	151847.31	29685.0146	203304.667	113580.74	133265.401		-64603.798	-54538.097	462528.347	353471.181
-53247.55	151847.31	29685.0146	203304.667	113580.74	133265.401		-64603.798	-54538.097	462528.347	353471.181
14458.1301	19304.5076	18980.2857	26055.1851	24222.7263	13002.4349		17274.546	22924.2148	24547.1928	21562.9742
418339.919	558223.236	543663.053	735035.474	687543.501	381085.114		494034.059	650743.996	713608.884	628204.262
115.36	18.26	27.39	18.8	29.94	14.85		94.44	41.66	45.09	49
-87110.986	-274915.03	-146952.3	-353498.41	-256496.14	-219358.61		-59665.654	-81305.462	-612343.95	-487881.55
-482738.58	-419827.94	-211296.56	-373623.77	-295134.68	-369822.3		-232904.66	-116912.51	-737561.14	-614612.74
169.11	239.92	210.42	217.25	227.12	204.39		178.5	260.01	205.64	186.38
					0.15	1				
66930.4499	64939.7963	68422.3611	88062.7281	84234.8338	54694.7805		66594.5838	85485.1939	87818.8327	76677.1762
0.76	0.78	0.77	0.85	0.77	0.6		0.75	0.66	0.72	0.78
5706.84	5857.02	5781.93	6382.65	5781.93	4505.4		5631.75	4955.94	5514.48	5974.02
846304.89	742485.309	706295.267	905679.893	861516.643	519493.812		748747.734	817420.726	923992.354	830100.846
846304.89	742485.309	706295.267	905679.893	861516.643	519493.812		748747.734	817420.726	923992.354	830100.846
664985.649	583090.648	554026.6	711110.363	676866.577	407832.211		587657.809	642493.324	729995.129	655072.374
24653.052	21307.638	20433.184	26568.626	25141.772	14729.362		21810.296	23865.666	26484.346	23728.824
5706.84	5857.02	5781.93	6382.65	5781.93	4505.4		5631.75	4955.94	5514.48	5974.02
846304.89	742485.309	706295.267	905679.893	861516.643	519493.812		748747.734	817420.726	923992.354	830100.846
35253.8644	30469.9223	29219.4531	37993.1352	35952.734	21062.9877		31188.7233	34127.9024	38667.1452	34644.083
0.03		0.01			0.05					
	0.45		0.3	0.15	0.3				0.3	0.6
	0.006568		0.000541	0.000906	0.01375				0.003011	0.00073
	0.006079		0.000539	0.000823	0.01375				0.003011	0.000718
			8.925031	17.850063	111.938097					
			0.025133	0.059506	0.513658					
	6.42		0.57	0.87	13.2				3.18	0.69
0.025653	0.027727	0.043437	0.023721	0.030397	0.040156	0.026304	0.024031	0.041011	0.028522	0.020843
	96.3		8.55	13.05	198				47.7	10.35

	1800.38662		159.84741	243.977626	3701.7295				909.615895	197.369486
	0.595002		0.396668	0.198334	0.396668				0.4046	0.8092
	109.57014		9.72819	14.84829	225.284399				55.355849	12.011175
1028.91	1026.72	918.3	1030.95	1023.9	921.45	1074.96	936.93	966.66	1025.88	939.99
2.923039	2.916818	2.869687	2.928835	2.908806	2.879531	2.921086	2.927906	2.876964	2.914431	2.937468
1056	1056	960	1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3	3	3	3
	6.42		0.57	0.87	13.2				3.18	0.69
	8.925031		5.950021	2.97501	5.950021				6.069004	12.138009
	8.925031		5.950021	2.97501	5.950021				6.069004	12.138009
	1909.95676		169.5756	258.825916	3927.0139				964.971745	209.380661
	2295.74933		183.993829	297.480543	8530.8447				1169.82051	224.303934
	385.792566		14.418228	38.654627	4603.8308				204.848762	14.923273
	2295.74933		183.993829	297.480543	8530.8447				1169.82051	224.303934
	2.14		0.19	0.29	4.4				1.06	0.23
	1909.95676		160.650568	240.975853	3815.07581				964.971745	209.380661
	2295.74933		174.125796	275.279864	8147.19823				1169.82051	224.303934
	0.09		0.06	0.03	0.059943				0.06	0.12
	6.42		0.54	0.81	12.823738				3.18	0.69
					297.501053					
					2.97501					
	6.42		0.57	0.87	13.2				3.18	0.69
	0.018238		0.001619	0.002471	0.04125				0.009034	0.002156
	385.792566		14.418228	38.654627	4603.8308				204.848762	14.923273
	385.792566		14.418228	38.654627	4603.8308				204.848762	14.923273
			0.03	0.06	0.376261					
			8.925031	17.850063	111.938097					
	-385.79257		-14.418228	-38.654627	-4603.8308				-204.84876	-14.923273
	-2681.5419		-188.54403	-313.93449	-12751.029				-1374.6693	-239.22721
	425.9579		57.862	79.7539	973.7007				289.6324	59.5555
	0.37		0.1	0.12	0.4				0.21	0.11
	1909.95676		169.5756	258.825916	3927.0139				964.971745	209.380661
	1909.95676		169.5756	258.825916	3927.0139				964.971745	209.380661

	1909.95676		169.5756	258.825916	3927.0139				964.971745	209.380661
	6.42		0.57	0.87	13.2				3.18	0.69
	1909.95676		169.5756	258.825916	3927.0139				964.971745	209.380661
11.591546		11.818578	11.463033	11.593905	12.2597	11.570575	11.559602	11.525067	11.532082	11.547883
0.705453		0.646682	0.748542	0.710352	0.512901	0.705799	0.704763	0.711607	0.757159	0.74929
0.67431		0.308125	0.717294	0.680709	0.440071	0.677755	0.671042	0.585766	0.724457	0.712197
252389.458		106806.118	268886.238	257079.211	158031.896	267389.723	230030.663	210294.354	243744.424	218145.602
1247.80661		439.345053	1003.27828	1012.59268	753.583897	1287.33266	1021.12091	781.781269	918.930172	857.088279
10206.36		4239.8	10856.97	10303.22	6055.38	10724.8	9233.55	8463.16	10965.39	9799.84
0.045284	0.048352	0.047	0.043295	0.0425	0.049343	0.039918	0.0495	0.040208	0.044119	0.051
116667.513		49053.7089	123151.406	117705.634	72447.3731	122723	105530.913	96503.3802	124261.365	111167.129
115330.785		48341.4593	121906.468	116667.405	71940.7882	121110.782	104154.27	95160.1081	125381.456	112264.869
2.1015		2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	1.8787	1.8787
129675.94		54523.1975	136882.788	130829.812	80525.2552	136406.615	117297.609	107263.507	107945.848	96570.8848
14450.58		6557.07	14480.68	14492.72	11783.29	15192.33	13078.88	11894.23	14468.21	13058.24
41.052784		20.490843	41.138295	41.1725	36.822781	41.283505	40.8715	35.399494	41.102869	40.807
15136	15136	13760	15136	15136	13760	15824	13760	14448	15136	13760
43	43	43	43	43	43	43	43	43	43	43
10206.36		4239.8	10856.97	10303.22	6055.38	10724.8	9233.55	8463.16	10965.39	9799.84
25.744105		26.336664	25.437435	25.736304	27.377177	25.640219	25.708712	25.532631	23.040653	23.093975
25.292455		25.778294	25.020162	25.291605	26.689366	25.253847	25.228764	25.158097	22.619263	22.646194
258472.865		108701.927	273009.031	261053.435	161403.21	271131.404	233753.309	213080.025	247532.934	221744.687
313814.903		150811.097	431453.756	380331.059	266946.945	328099.064	277631.844	257695.041	548759.114	457914.629
55342.0387		42109.1699	158444.725	119277.624	105543.735	56967.6599	43878.5349	44615.0158	301226.179	236169.942
313814.903		150811.097	431453.756	380331.059	266946.945	328099.064	277631.844	257695.041	548759.114	457914.629
335.87		152.49	336.76	337.04	274.03	353.31	304.16	276.61	336.47	303.68
2109.18292		1.553109			65.650793	101.737947	8.418555			
3113.92449		1.766026			167.217052	144.999432	14.137636			
5.163506		0.063448			0.950019	1.652538	0.157363			
87.66908		0.063448			2.73675	4.20239	0.341681			
22.943345		22.763549	23.576159	23.138076	11.688919	23.391855	23.787942	25.508146	24.820907	28.372413
21.067718		12.519952	16.739073	15.502511	11.57203	23.391683	23.549496	16.325213	6.205226	5.390758
10206.36		4239.8	10856.97	10303.22	6055.38	10724.8	9233.55	8463.16	10965.39	9799.84
28.99534		13.249375	30.843664	29.270511	18.923062	29.143478	28.854843	25.187976	31.151676	30.6245

-5640.0702		16468.7963	94073.4845	57752.8894	67675.4932	-7179.6524	-11282.473	-5827.301	236274.764	178062.884
-5640.0702		16468.7963	94073.4845	57752.8894	67675.4932	-7179.6524	-11282.473	-5827.301	236274.764	178062.884
10118.6909		4239.73655	10856.97	10303.22	6052.64325	10720.5976	9233.20832	8463.16	10965.39	9799.84
252389.458		106806.118	268886.238	257079.211	158031.896	267389.723	230030.663	210294.354	243744.424	218145.602
0.72					0.08	0.84				
-55342.039		-42109.17	-158444.72	-119277.62	-105543.74	-56967.66	-43878.535	-44615.016	-301226.18	-236169.94
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16.23		7.65	15.38	14.39	49.37	284.43	20.55	12.22	2.85	2.33
	1	0.5			0.099999			0.142857		
65463.9274		35705.2092	86738.1521	82482.9028	54620.5778	71330.2105	65976.4044	70820.4758	86288.1515	74619.6434
1.07		0.51	1.11	1.07	0.89	0.98	1	0.75	1	0.95
3974.22396		1894.25628	4122.79308	3974.22396	3305.66292	3639.94344	3714.228	2785.671	3788.51	3599.0845
319454.974		134342.301	337380.271	322578.17	199271.452	335278.716	288914.317	263522.342	312484.35	279851.745
319454.974		134342.301	337380.271	322578.17	199271.452	335278.716	288914.317	263522.342	312484.35	279851.745
245006.726		102864.657	258789.256	247497.216	152466.043	257517.397	221451.88	202423.615	233327.304	208835.754
10206.36		4239.8	10856.97	10303.22	6055.38	10724.8	9233.55	8463.16	10965.39	9799.84
3974.22396		1894.25628	4122.79308	3974.22396	3305.66292	3639.94344	3714.228	2785.671	3788.51	3599.0845
319454.974		134342.301	337380.271	322578.17	199271.452	335278.716	288914.317	263522.342	312484.35	279851.745
9491.9148		3943.014	10096.9821	9581.9946	5631.5034	9974.064	8587.2015	7870.7388	10417.1205	9309.848
	0.45		0.3	0.15	0.3				0.3	0.6
	0.006335		0.000539	0.000909	0.01375				0.003011	0.000751
	0.006335		0.000539	0.000909	0.01375				0.003011	0.000718
			8.925031	9.056471	103.657392					
			0.025133	0.03023	0.473886					
	6.69		0.57	0.96	13.2				3.18	0.69
0.028579	0.028579	0.035156	0.054346	0.02034	0.020281	0.037771	0.031031	0.022589	0.037357	0.026593
	100.35		8.55	14.4	198				47.7	10.35
	1876.10382		159.84741	269.216691	3701.7295				909.615895	197.369486
	0.595002		0.396668	0.198334	0.396668				0.4046	0.8092
	114.17823		9.72819	16.38432	225.284399				55.355849	12.011175
1025.82	1025.82	926.25	998.61	1034.52	940.53	1062.3	930.21	985.23	1016.55	934.47
2.914261	2.914261	2.894531	2.83696	2.938977	2.939156	2.886684	2.906906	2.932232	2.887926	2.920218
1056	1056	960	1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3	3	3	3

		6.69	0.57	0.96	13.2				3.18	0.69
		8.925031	5.950021	2.97501	5.950021				6.069004	12.138009
		8.925031	5.950021	2.97501	5.950021				6.069004	12.138009
		1990.28205	169.5756	285.601011	3927.0139				964.971745	209.380661
		2399.14969	183.993829	327.031955	8530.8447				1169.82051	224.303934
		408.867641	14.418228	41.430944	4603.8308				204.848762	14.923273
		2399.14969	183.993829	327.031955	8530.8447				1169.82051	224.303934
		2.23	0.19	0.32	4.4				1.06	0.23
		1990.28205	160.650568	276.544539	3823.35651				964.971745	209.380661
		2399.14969	174.125796	315.270065	8164.28735				1169.82051	224.303934
		0.09	0.06	0.029985	0.059936				0.06	0.12
		6.69	0.54	0.929558	12.851573				3.18	0.69
				297.501053	297.501053					
				2.97501	2.97501					
		6.69	0.57	0.96	13.2				3.18	0.69
		0.019005	0.001619	0.002727	0.04125				0.009034	0.002156
		408.867641	14.418228	41.430944	4603.8308				204.848762	14.923273
		408.867641	14.418228	41.430944	4603.8308				204.848762	14.923273
			0.03	0.030441	0.348426					
			8.925031	9.056471	103.657392					
			0.05							
		-408.86764	-14.418228	-41.430944	-4603.8308				-204.84876	-14.923273
		-2808.0173	-188.54403	-356.70101	-12768.118				-1374.6693	-239.22721
		444.2998	57.862	88.5265	973.7007				289.6324	59.5555
		0.38	0.1	0.13	0.4				0.21	0.11
		1990.28205	169.5756	285.601011	3927.0139				964.971745	209.380661
		1990.28205	169.5756	285.601011	3927.0139				964.971745	209.380661
		1990.28205	169.5756	285.601011	3927.0139				964.971745	209.380661
		6.69	0.57	0.96	13.2				3.18	0.69
		1990.28205	169.5756	285.601011	3927.0139				964.971745	209.380661
5.220293	4.306713	5.985114	9.954454	7.653985	3.008025	4.65787	4.076419	2.666367	7.388597	7.825048
0.05446	0.163091	0.13143	0.171179	0.133	0.105153	0.05399	0.022579	0.014128	0.154006	0.134735
0.052715	0.156039	0.129531	0.166045	0.130585	0.1019	0.052559	0.022225	0.01388	0.148715	0.129037

408.765302	6572.53041	10375.4923	33705.3165	16944.2539	6005.03393	13334.6045	1264.90124	1432.36384	19048.8083	9425.38557
1.963772	32.721886	39.506485	113.229885	60.531099	27.173437	62.844564	5.487702	5.351295	69.80846	35.937511
927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1	355.6	233.2	2617.4	2064.6
0.032088	0.033153	0.028093	0.030582	0.027102	0.032671	0.026942	0.034296	0.029523	0.028721	0.035578
13217.8	39716.3	29843.3	42051.2	33051.9	23645.2	13769.5	5049.2	3300.8	37790.2	29787
48512.4933	132193.224	100003.188	145022.693	114120.31	81103.3505	48275.074	21620.6491	15965.0326	177404.027	140602.1
1.364439	1.005745	1.412057	2.39949	1.844641	0.716258	1.167738	1.145492	0.876086	2.102926	2.200496
110.51723	1980.11743	3073.4381	9732.08577	4990.37568	1733.46145	3834.04069	272.891038	282.6422	3936.7578	2044.63804
17021.3	16987.1	15620.7	17017.8	17180	15405.4	17866.9	15466.4	16272.8	17051.6	15394
48.355965	48.258806	48.814687	48.346022	48.806818	48.141875	48.551358	48.3325	48.430952	48.442045	48.10625
17600	17600	16000	17600	17600	16000	18400	16000	16800	17600	16000
50	50	50	50	50	50	50	50	50	50	50
927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1	355.6	233.2	2617.4	2064.6
28.72132	29.528256	36.647026	59.465897	43.148108	18.436465	24.36217	21.185385	14.299937	52.458011	57.762814
19.3515	14.527868	20.290568	34.490243	26.207571	10.324603	16.585718	16.38969	12.595432	30.122484	31.545631
48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713	21708.7461	16044.7556	178205.541	141105.537
59801.1162	284857.906	159559.524	229293.906	187612.641	268328.043	59243.843	26271.6038	18996.7791	306898.341	238252.731
11127.7739	151840.098	59056.779	83415.6032	73125.0661	186880.844	10770.13	4562.85768	2952.02348	128692.8	97147.1945
59801.1162	284857.906	159559.524	229293.906	187612.641	268328.043	59243.843	26271.6038	18996.7791	306898.341	238252.731
139.95	186.41	193.65	329.8	245.22	135.73	127.79	70.16	60.21	284.9	270.25
48264.577	126445.277	90127.2525	112172.987	97543.3211	75442.1646	35139.1085	20443.8449	14612.3918	159156.732	131680.151
59338.1426	271090.445	143161.46	173272.738	159026.764	244152.425	42555.5445	24623.7345	17357.0849	272738.186	223565.345
8.092569	7.216166	8.848785	14.299386	11.064753	4.676492	5.865484	6.041051	3.746745	11.315035	12.345932
919.905912	2606.84328	1855.83534	2236.03629	1945.85955	1508.48101	694.457335	336.137912	213.075557	2340.02702	1920.581
53.169555	56.222154	54.409197	57.006699	55.070196	57.556061	52.946083	58.451371	67.818421	68.448286	68.736007
6.912042	14.04314	19.587311	37.137973	26.399523	11.491264	17.376519	5.260623	9.494578	24.553642	26.119683
927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1	355.6	233.2	2617.4	2064.6
2.635795	7.801988	6.476562	8.302272	6.529261	5.095	2.627989	1.11125	0.694047	7.435795	6.451875
11127.7739	151840.098	59056.779	83415.6032	73125.0661	186880.844	10770.13	4562.85768	2952.02348	128692.8	97147.1945
11127.7739	151840.098	59056.779	83415.6032	73125.0661	186880.844	10770.13	4562.85768	2952.02348	128692.8	97147.1945
7.894087	139.456715	216.664657	686.363708	352.440449	121.918994	272.642664	19.462087	20.124442	277.372982	144.019002
408.765302	6572.53041	10375.4923	33705.3165	16944.2539	6005.03393	13334.6045	1264.90124	1432.36384	19048.8083	9425.38557
14.17	43.54	32.22	42.96	34.7	24.9	12.69	5.15	3.02	41.21	33.62
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0.03	1.09	1.69	5	2.36	0.8	1.42	0.05	0.17	1.66	0.98
5901.1053	19837.7092	17812.8694	28883.0615	21280.8548	13363.3817	6250.7548	2443.0337	1820.0507	25195.6026	19001.9364
0.17	0.6	0.33	0.8	0.09	0.1	0.23	0.13	0.13	0.62	0.29
80.077	376.522	206.891	453.658	57.851	54.256	117.337	63.081	67.003	388.738	185.701
48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713	21708.7461	16044.7556	178205.541	141105.537
48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713	21708.7461	16044.7556	178205.541	141105.537
48512.4933	132193.224	100003.188	145022.693	114120.31	81103.3505	48275.074	21620.6491	15965.0326	177404.027	140602.1
927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1	355.6	233.2	2617.4	2064.6
80.077	376.522	206.891	453.658	57.851	54.256	117.337	63.081	67.003	388.738	185.701
48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713	21708.7461	16044.7556	178205.541	141105.537
80.771999	448.061999	292.665999	401.951999	309.413999	289.591999	81.302	25.016	12.72	412.776	317.736

	0.45		0.3	0.15	0.3				0.3	0.6
	0.006335		0.000473	0.000909	0.01375				0.003011	0.000718
	0.006335		0.000397	0.000909	0.01375				0.003011	0.000718
			11.900042	2.533254	122.454219					
			0.033511	0.008456	0.556635					
	8.92		0.56	1.28	17.6				4.24	0.92
0.026846	0.031051	0.032593	0.035056	0.035823	0.025281	0.021494	0.019562	0.030684	0.031846	0.025656
	133.8		8.4	19.2	264				63.6	13.8
	2501.47175		157.043069	358.955588	4935.63934				1212.82119	263.159315
	0.595002		0.396668	0.198334	0.396668				0.4046	0.8092
	152.23764		9.55752	21.84576	300.3792				73.8078	16.0149
1370.2	1364.28	1238.28	1358.64	1357.56	1247.64	1440.36	1254.96	1302.76	1363.16	1247.16
3.892613	3.875795	3.869625	3.859772	3.856704	3.898875	3.914021	3.92175	3.877261	3.872613	3.897375
1408	1408	1280	1408	1408	1280	1472	1280	1344	1408	1280
4	4	4	4	4	4	4	4	4	4	4
	8.92		0.56	1.28	17.6				4.24	0.92
	8.925031		5.950021	2.97501	5.950021				6.069004	12.138009
	8.925031		5.950021	2.97501	5.950021				6.069004	12.138009
	2653.70939		166.600589	380.801348	5236.01854				1286.62899	279.174215
	3198.86625		180.501544	436.042607	11374.4596				1559.76068	299.071913
	545.156855		13.900955	55.241259	6138.44107				273.131683	19.897697
	3198.86625		180.501544	436.042607	11374.4596				1559.76068	299.071913

2.23		0.14	0.32	4.4					1.06	0.23
2653.70939		154.700547	378.268093	5113.56432					1286.62899	279.174215
3198.86625		167.344168	432.748434	10922.6363					1559.76068	299.071913
0.12		0.08	0.039733	0.07996					0.08	0.16
8.92		0.52	1.271484	17.18839					4.24	0.92
			297.501053	1035.54571						
			2.97501	10.355457						
8.92		0.56	1.28	17.6					4.24	0.92
0.02534		0.00159	0.003636	0.055					0.012045	0.002875
545.156855		13.900955	55.241259	6138.44107					273.131683	19.897697
545.156855		13.900955	55.241259	6138.44107					273.131683	19.897697
		0.04	0.008515	0.411609						
		11.900042	2.533254	122.454219						
2.22		0.12	0.32	4.28					1.05	0.21
-545.15686		-13.900955	-55.241259	-6138.4411					-273.13168	-19.897697
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				0.1						
444.2998		43.3431	88.5265	973.7007					289.6324	59.5555
0.38		0.07	0.13	0.4					0.21	0.11
2653.70939		166.600589	380.801348	5236.01854					1286.62899	279.174215
2653.70939		166.600589	380.801348	5236.01854					1286.62899	279.174215
2653.70939		166.600589	380.801348	5236.01854					1286.62899	279.174215
8.92		0.56	1.28	17.6					4.24	0.92
2653.70939		166.600589	380.801348	5236.01854					1286.62899	279.174215

10.369804	10.789154	10.57955	10.281241	10.386713	10.895858	10.347696	10.340237	10.326861	10.412265	10.413552
0.591337	0.397218	0.498491	0.636804	0.592785	0.374217	0.578739	0.58566	0.599719	0.606407	0.595092
0.558365	0.272099	0.468878	0.605868	0.558279	0.35087	0.545711	0.552	0.565414	0.569108	0.558919
273212.797	135804.028	209886.192	295843.395	273395.438	161239.817	278735.105	245429.743	263335.968	292580.771	261637.69
1351.52286	692.074176	912.098955	1096.76337	1070.38487	759.741106	1340.85406	1088.40545	982.843941	1103.34444	1027.92588
11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154	10351.12	11132.792	11739.118	10480.852
0.058323	0.065085	0.058593	0.049744	0.063409	0.058281	0.061086	0.057781	0.062648	0.06321	0.061718
117504.789	58415.7646	90663.2743	127008.862	117461.06	69321.9682	120103.623	105702.642	113446.711	119386.339	106780.968
116185.98	57792.2221	88770.9336	126090.097	116423.03	68701.301	118234.367	104176.598	111723.264	120473.683	107711.499
2.2803	2.280299	2.2803	2.2803	2.2803	2.280299	2.2803	2.2803	2.2803	2.4044	2.4044

151616.429	75373.8611	116982.823	163879.534	151560.006	89446.1356	154969.705	136388.118	146380.291	166472.312	148895.382
19424.142	14064.586	17653.25	19601.114	19319.248	17659.11	20247.472	17668.486	18456.07	19323.35	17594.65
55.182221	39.95621	55.166406	55.684982	54.884227	55.184718	55.020304	55.214018	54.928779	54.89588	54.983281
20627.2	20627.2	18752	20627.2	20627.2	18752	21564.8	18752	19689.6	20627.2	18752
58.6	58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6
11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154	10351.12	11132.792	11739.118	10480.852
26.220172	30.580962	27.237567	26.17359	26.931563	29.757855	26.82118	26.829999	27.064167	29.201526	28.803239
24.117879	25.073094	24.602345	23.914684	24.151665	25.312796	24.071603	24.052542	24.024754	25.517828	25.519015
291917.808	155180.148	226229.528	316567.419	294793.414	181121.401	302997.377	267838.647	286755.8	319562.446	284151.062
384739.588	281419.68	342005.96	527007.509	471049.986	344578.359	392538.126	335264.792	362032.07	646379.172	547122.601
92821.7801	126239.532	115776.432	210440.09	176256.573	163456.959	89540.7489	67426.1447	75276.2704	326816.727	262971.539
384739.588	281419.68	342005.96	527007.509	471049.986	344578.359	392538.126	335264.792	362032.07	646379.172	547122.601
330.51	240.01	301.25	334.49	329.68	301.35	345.52	301.51	314.95	329.75	300.25
2.843027										
2.666508										
0.122326										
0.122326										
23.9584	12.959798	18.254174	23.411862	23.76268	14.706757	24.303037	24.932223	24.438705	29.133305	27.419712
7.891454	6.868693	10.404879	7.257677	6.178296	7.647513	24.060007	11.718145	8.064772	17.771316	17.822812
11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154	10351.12	11132.792	11739.118	10480.852
32.720204	15.945022	27.4763	35.503892	32.715193	20.561037	31.978679	32.34725	33.133309	33.349767	32.752662
31402.0271	95705.6122	68386.7383	144052.558	114859.677	127222.366	26762.585	12175.374	15977.6745	264413.487	207157.127
31402.0271	95705.6122	68386.7383	144052.558	114859.677	127222.366	26762.585	12175.374	15977.6745	264413.487	207157.127
11517.3897	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154	10351.12	11132.792	11739.118	10480.852
273212.797	135804.028	209886.192	295843.395	273395.438	161239.817	278735.105	245429.743	263335.968	292580.771	261637.69
0.01										
-92821.78	-126239.53	-115776.43	-210440.09	-176256.57	-163456.96	-89540.749	-67426.145	-75276.27	-326816.73	-262971.54
-92824.447	-126239.53	-115776.43	-210440.09	-176256.57	-163456.96	-89540.749	-67426.145	-75276.27	-326816.73	-262971.54
1.69	8.48	8.11	1.34	0.97	6.54	26.62	2.07	3.5	12.6	12.41
	0.272727									
61163.1923	39504.2161	62832.0338	80749.1081	75994.5688	58333.1677	64900.4058	61175.3564	75178.4969	77675.3083	68498.7197
1.11	1.15	0.97	1.23	1.27	1.18	1.44	1.33	1.39	1.57	1.31
18702.168	19376.12	16343.336	20724.024	21397.976	19881.584	24262.272	22408.904	23419.832	26981.6746	22513.3718
353337.561	185714.068	273619.221	382954.951	356190.31	217355.993	365775.541	323089.418	346054.396	381965.685	339965.474
353337.561	185714.068	273619.221	382954.951	356190.31	217355.993	365775.541	323089.418	346054.396	381965.685	339965.474

267802.409	133166.083	205753.756	289969.631	267983.036	158147.437	273204.072	240564.716	258103.556	286945.994	256606.881
11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154	10351.12	11132.792	11739.118	10480.852
18702.168	19376.12	16343.336	20724.024	21397.976	19881.584	24262.272	22408.904	23419.832	26981.6746	22513.3718
353337.561	185714.068	273619.221	382954.951	356190.31	217355.993	365775.541	323089.418	346054.396	381965.685	339965.474
5413.23064	2637.94456	4132.43552	5873.7639	5412.40156	3092.38004	5531.03238	4865.0264	5232.41224	5634.77664	5030.80896

4.05	4.2	5.4	7.65	6	2.7	3.6	2.25	1.35	6.3	7.35
0.044497	0.156887	0.122266	0.15718	0.122079	0.101436	0.045514	0.01772	0.010558	0.146114	0.126739
0.042215	0.15284	0.119406	0.153892	0.116505	0.09725	0.043885	0.016843	0.010535	0.144403	0.122656
11.876917	1226.92566	1809.74416	5967.68743	2645.73372	775.848232	1653.77737	125.484029	125.044544	2853.76083	1531.39615
0.057666	6.070165	6.686655	19.903912	9.398322	3.396081	7.805338	0.528989	0.466151	10.527722	5.88906
208.04	753.2	534.94	758.38	574.14	435.68	226.1	75.46	49.56	711.62	549.5
0.03267	0.029744	0.026218	0.027784	0.03909	0.029156	0.03144	0.022156	0.020386	0.019971	0.0285
3120.6	11298	8024.1	11375.7	8612.1	6535.2	3391.5	1131.9	743.4	10674.3	8242.5
11377.1866	37584.9974	26881.5477	39290.0341	29749.3065	22429.1172	11815.9175	4847.17698	3627.75661	50348.3305	39003.0599
0.989596	0.93558	1.207832	1.750661	1.374428	0.621282	0.852455	0.606239	0.417189	1.729921	1.970347
3.30691	359.402444	531.68768	1719.27627	782.74687	220.482135	457.689716	26.433887	22.166129	606.705084	332.061768
4767	4781.42	4362.54	4791.08	4735.36	4349.38	4990.02	4380.74	4608.1	4829.58	4352.32
13.542613	13.583579	13.632937	13.611022	13.452727	13.591812	13.559836	13.689812	13.714583	13.720397	13.601
4928	4928	4480	4928	4928	4480	5152	4480	4704	4928	4480
14	14	14	14	14	14	14	14	14	14	14
208.04	753.2	534.94	758.38	574.14	435.68	226.1	75.46	49.56	711.62	549.5
15.089297	14.190971	18.648477	26.759267	20.705277	9.399465	13.057395	9.147133	6.737334	26.478581	29.666362
15.089297	14.190971	18.648477	26.759267	20.705277	9.399465	13.057395	9.147133	6.737334	26.478581	29.666362
11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175	4878.67698	3690.75661	50652.8305	39076.5599
13981.6477	79894.9524	42131.2006	61684.411	49056.7899	73458.7903	14384.9726	5844.97825	4291.21883	85936.3383	64483.7371
2478.46112	42026.455	15134.1529	22142.3769	19191.9834	50956.173	2432.55512	966.301263	600.462213	35283.5079	25407.1772
13981.6477	79894.9524	42131.2006	61684.411	49056.7899	73458.7903	14384.9726	5844.97825	4291.21883	85936.3383	64483.7371
84.82	128.17	126.34	158.35	112.79	65.3	70.92	53.03	51.03	149.9	144.62
11491.3096	36641.5717	25187.3035	33574.3467	27219.0728	21726.769	10298.6401	4753.19295	3565.71207	47799.0697	37545.1638
13969.3388	77722.1543	39391.8174	52123.7105	44492.0964	71493.1006	12370.0149	5682.54395	4149.17938	81006.1265	62160.8362
3.778912	3.904146	4.795657	6.786642	5.536827	2.510251	3.245564	2.094887	1.25213	5.839481	6.797645
207.819539	729.239837	499.494154	643.761582	521.956875	420.98119	195.587352	73.69774	48.082258	671.172994	527.362548
55.822426	51.460278	54.127393	54.770954	54.393385	52.814183	54.474223	74.327316	78.884185	70.238253	66.069683

1.116448	9.701349	14.244295	24.964296	14.686214	4.753276	9.80536	2.229819	3.944209	18.215417	14.53533
208.04	753.2	534.94	758.38	574.14	435.68	226.1	75.46	49.56	711.62	549.5
0.591022	2.139772	1.671687	2.154488	1.631079	1.3615	0.614402	0.235812	0.1475	2.021647	1.717187
2478.46112	42026.455	15134.1529	22142.3769	19191.9834	50956.173	2432.55512	966.301263	600.462213	35283.5079	25407.1772
2478.46112	42026.455	15134.1529	22142.3769	19191.9834	50956.173	2432.55512	966.301263	600.462213	35283.5079	25407.1772
0.22046	23.960162	35.445845	114.618417	52.183124	14.698809	30.512647	1.762259	1.477741	40.447005	22.137451
11.876917	1226.92566	1809.74416	5967.68743	2645.73372	775.848232	1653.77737	125.484029	125.044544	2853.76083	1531.39615
7.56	12	10.63	14.87	11.94	4.71	7.6	3.13	2.29	12.52	10.54
-2478.4611	-42026.455	-15134.153	-22142.377	-19191.983	-50956.173	-2432.5551	-966.30126	-600.46221	-35283.508	-25407.177
-16447.8	-119748.61	-54525.97	-74266.087	-63684.08	-122449.27	-14802.57	-6648.8452	-4749.6416	-116289.63	-87568.013
0.01	0.57	0.69	2.13	1.09	0.04	1.13	0.04	0.05	0.5	0.32
3036.7943	10627.8068	9384.7326	15407.4537	10983.0172	6783.0031	3374.7516	1241.105	955.2008	13611.12	10122.6508
0.12	0.27	0.11	0.24	0.11	0.07	0.13	0.03	0.06	0.29	0.07
126	283.5	115.5	252	115.5	73.5	136.5	31.5	63	304.5	73.5
11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175	4878.67698	3690.75661	50652.8305	39076.5599
11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175	4878.67698	3690.75661	50652.8305	39076.5599
11377.1866	37584.9974	26881.5477	39290.0341	29749.3065	22429.1172	11815.9175	4847.17698	3627.75661	50348.3305	39003.0599
208.04	753.2	534.94	758.38	574.14	435.68	226.1	75.46	49.56	711.62	549.5
126	283.5	115.5	252	115.5	73.5	136.5	31.5	63	304.5	73.5
11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175	4878.67698	3690.75661	50652.8305	39076.5599

10.986404	11.277009	11.160055	10.960081	11.037869	11.513969	10.965962	10.9603	10.924619	11.048826	11.041924
0.404334	0.333875	0.373719	0.476367	0.436557	0.301701	0.29395	0.382984	0.381697	0.462256	0.449702
0.389146	0.269284	0.338541	0.458392	0.420666	0.272429	0.197636	0.367737	0.363178	0.444458	0.430717
950425.872	744206.467	923677.846	1478755.42	1320195.16	734396.314	666722.484	980434.764	1148634.39	1360690.04	1176613.71
4690.34339	3780.68597	3970.17691	5445.45855	5144.27663	3442.60759	3200.94997	4339.21531	4280.55921	5114.00459	4608.64393
50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254	43198.886	44796.498	57432.534	50597.296
0.03399	0.035875	0.03646	0.036027	0.034757	0.035911	0.032947	0.034588	0.031931	0.033982	0.035596
545149.93	386488.251	436749.328	643985.587	592924.919	361541.044	288368.013	468090.892	483792.404	625232.511	550606.887
653899.025	617870.906	601681.437	901355.175	797562.239	521956.465	401301.365	523319.414	529955.037	992413.44	841338.584
2.414385	2.559368	2.475385	2.482494	2.451813	2.439005	2.328597	2.393619	2.397158	2.577902	2.560074
680321.994	426552.415	504888.81	727863.983	688874.307	416914.819	291376.32	606975.198	639837.655	715594.642	640814.584
1457.83722	12521.2335	15827.7866	44093.7615	25180.3408	8145.20282	28434.8418	2178.85979	4387.54183	20252.8826	12581.9296
124311.832	104392.251	106316.43	124263.484	124380.353	106327.74	90718.397	112685.126	117212.96	124347.645	112651.22

353.158613	296.568894	332.238843	353.021261	353.353275	332.274187	246.517383	352.141018	348.848095	353.260355	352.035062
129219.2	129219.2	117472	129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254	43198.886	44796.498	57432.534	50597.296
149.231752	152.62991	157.917894	220.838168	185.737375	148.239245	114.036099	134.191608	123.056413	213.735974	247.583571
27.825442	30.409945	29.048288	28.70901	28.471023	29.330929	26.704409	27.444325	27.369786	29.90348	29.652863
1433867.17	1136086.33	1196197.24	1757715.89	1602846.36	1015091.82	759134.657	1217220.73	1256320.44	1837295.46	1594040.06
1716147.38	1951459.56	1674222.05	2729381.05	2366324.54	2024925.72	952084.11	1410041.91	1474161.17	3460537.31	2871130.25
282280.214	815373.224	478024.805	971665.156	763478.183	1009833.9	192949.452	192821.179	217840.732	1623241.84	1277090.19
1716147.38	1951459.56	1674222.05	2729381.05	2366324.54	2024925.72	952084.11	1410041.91	1474161.17	3460537.31	2871130.25
1391.6	1027.97	1212.57	1736.13	1567.58	1158.24	1035.33	1147.49	1124.1	1686.54	1540.76
455058.064	366646.726	248499.873	247731	251497.066	253002.86	64509.9582	205031.081	76524.6057	440320.758	385339.872
614994.37	804510.994	399586.457	381696.11	405842.428	787956.418	78846.2104	271898.849	97543.123	800746.824	688576.394
15.763914	4.951546	8.787971	6.663406	6.257956	3.66485	4.5013	10.925912	5.901477	6.797983	7.529783
14040.1471	8634.72748	6206.97109	5556.77076	5850.28891	5570.36186	1344.11198	6119.24018	1821.27175	8194.02191	7504.00062
25.036206	19.48767	25.568121	35.732214	31.509349	16.36263	29.388843	26.483843	29.573575	34.759146	32.970712
24.886672	19.453446	25.474757	35.482178	31.482226	16.345435	29.348805	26.407825	29.501536	34.710599	32.960935
50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254	43198.886	44796.498	57432.534	50597.296
142.855579	98.854193	124.278687	168.276039	154.426846	100.009043	72.55232	134.996518	133.32291	163.160607	158.11655
19519.8159	661771.586	287727.454	690712.64	497641.15	849637.849	66023.9759	-41860.052	-27743.74	1346071.59	1028758.35
19519.8159	661771.586	287727.454	690712.64	497641.15	849637.849	66023.9759	-41860.052	-27743.74	1346071.59	1028758.35
36245.0169	26161.9485	33562.2089	53676.3952	48507.9611	26432.5321	25355.142	37079.6458	42975.2262	49238.5121	43093.2954
950425.872	744206.467	923677.846	1478755.42	1320195.16	734396.314	666722.484	980434.764	1148634.39	1360690.04	1176613.71
164.14	91.86	86.37	100.97	100.11	56.05	34.42	117.33	57.2	123.95	114.06
-282280.21	-815373.22	-478024.81	-971665.16	-763478.18	-1009833.9	-192949.45	-192821.18	-217840.73	-1623241.8	-1277090.2
-897274.58	-1619884.2	-877611.26	-1353361.3	-1169320.6	-1797790.3	-271795.66	-464720.03	-315383.86	-2423988.7	-1965666.6
187.63	251.19	231.71	250.78	251.72	262.74	330.05	202.19	278.4	227.74	205.75
	0.115702	0.045454			0.022727	0.090909		0.012987		
212255.114	151443.967	209622.242	327439.622	296064.425	200809.887	156752.625	202831.518	239187.254	314377.833	266789.417
3.79	4.49	3.29	5.53	4.4	4.3	3.62	3.78	3.44	5.36	4.19
28807.4346	26125.0294	24575.6193	32350.0622	31608.6137	27935.4173	28483.2408	32059.7984	31466.7255	37202.4882	32542.4519
1696627.57	1289687.97	1386494.59	2038668.41	1868683.39	1175287.87	886060.134	1451901.96	1501904.91	2114465.72	1842371.9
1696627.57	1289687.97	1386494.59	2038668.41	1868683.39	1175287.87	886060.134	1451901.96	1501904.91	2114465.72	1842371.9
1334221.02	1044423.32	1106570.25	1629219.16	1486436.55	938871.284	692677.685	1130294.61	1169792.69	1708008.08	1482153.17
50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254	43198.886	44796.498	57432.534	50597.296

28807.4346	26125.0294	24575.6193	32350.0622	31608.6137	27935.4173	28483.2408	32059.7984	31466.7255	37202.4882	32542.4519
1696627.57	1289687.97	1386494.59	2038668.41	1868683.39	1175287.87	886060.134	1451901.96	1501904.91	2114465.72	1842371.9
70838.7138	65537.9827	65051.3748	96146.6688	84801.1989	48285.1193	37973.7314	54866.317	55061.025	92084.8931	79344.4364
0.03		0.01			0.05					

1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421	306282.273	549967.193	373642.298	308541.493
876.779849	993.039322	1536.63203	1947.2229	1842.3661	908.254283	3047.60704	1349.43105	2042.38377	1401.15861	1208.49293
-71264.523	-69312.861	-73699.556	-94170.832	-89416.493	-68189.69	-76640.8	-72279.052	-90027.734	-93473.614	-81525.822
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	72279.0515	90027.7336	93473.6138	81525.8223
178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421	306282.273	549967.193	373642.298	308541.493
187.07	259.74	232.85	249.78	250.74	263.69	332.93	201.91	277.3	226.69	204.68
118.458062	141.487422	174.105546	198.125159	189.670621	169.631096	167.824865	157.233091	192.953019	169.222007	164.363476
54.099372	74.511257	87.786226	92.124562	92.042781	89.462926	90.31641	76.548764	91.949999	79.656023	79.224592
11250.7995	21709.7632	23369.376	25722.5934	26101.2599	26050.1981	30914.1038	16909.719	27262.5714	22488.1814	19879.219
-71264.523	-69312.861	-73699.556	-94170.832	-89416.493	-68189.69	-76640.8	-72279.052	-90027.734	-93473.614	-81525.822
-202.45603	-196.91154	-230.31111	-267.53077	-254.02413	-213.09278	-208.26304	-225.87204	-267.93968	-265.55004	-254.76819
-1928250.5	-1940792.3	-2099937.3	-3382249.4	-2902542.5	-1861982.9	-2068520.5	-1943573.9	-2474484.5	-3950256.6	-3214865.5
-27.09372	-28.03005	-28.38556	-35.78067	-32.359323	-27.279285	-27.018379	-26.91553	-27.498341	-42.132119	-39.368986
-1928250.5	-1940792.3	-2099937.3	-3382249.4	-2902542.5	-1861982.9	-2068520.5	-1943573.9	-2474484.5	-3950256.6	-3214865.5
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
2106646.65	2137186.28	2456708.33	3901945.49	3370795.86	2057732.75	2706932.95	2249856.16	3024451.66	4323898.87	3523407
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	72279.0515	90027.7336	93473.6138	81525.8223
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51

1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421	306282.273	549967.193	373642.298	308541.493
876.779849	993.039322	1536.63203	1947.2229	1842.3661	908.254283	3047.60704	1349.43105	2042.38377	1401.15861	1208.49293
-71264.523	-69312.861	-73699.556	-94170.832	-89416.493	-68189.69	-76640.8	-72279.052	-90027.734	-93473.614	-81525.822
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	72279.0515	90027.7336	93473.6138	81525.8223
178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421	306282.273	549967.193	373642.298	308541.493
187.07	259.74	232.85	249.78	250.74	263.69	332.93	201.91	277.3	226.69	204.68

118.458062	141.487422	174.105546	198.125159	189.670621	169.631096	167.824865	157.233091	192.953019	169.222007	164.363476
54.099372	74.511257	87.786226	92.124562	92.042781	89.462926	90.31641	76.548764	91.949999	79.656023	79.224592
11250.7995	21709.7632	23369.376	25722.5934	26101.2599	26050.1981	30914.1038	16909.719	27262.5714	22488.1814	19879.219
-71264.523	-69312.861	-73699.556	-94170.832	-89416.493	-68189.69	-76640.8	-72279.052	-90027.734	-93473.614	-81525.822
-202.45603	-196.91154	-230.31111	-267.53077	-254.02413	-213.09278	-208.26304	-225.87204	-267.93968	-265.55004	-254.76819
-1928250.5	-1940792.3	-2099937.3	-3382249.4	-2902542.5	-1861982.9	-2068520.5	-1943573.9	-2474484.5	-3950256.6	-3214865.5
-27.09372	-28.03005	-28.38556	-35.78067	-32.359323	-27.279285	-27.018379	-26.91553	-27.498341	-42.132119	-39.368986
-1928250.5	-1940792.3	-2099937.3	-3382249.4	-2902542.5	-1861982.9	-2068520.5	-1943573.9	-2474484.5	-3950256.6	-3214865.5
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
2106646.65	2137186.28	2456708.33	3901945.49	3370795.86	2057732.75	2706932.95	2249856.16	3024451.66	4323898.87	3523407
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	72279.0515	90027.7336	93473.6138	81525.8223
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51

235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797	182136.978	195008.228	224130.799	203639.284
1164.78917	1108.31788	705.365307	511.392712	527.580196	734.887056	984.404418	809.317422	730.330813	846.425214	801.884911
7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682	6124.30996	6557.1025	7128.84221	6477.07646
212969.049	203681.918	148352.39	156672.033	140549.649	139425.984	184504.738	164171.296	179043.498	298385.845	251921.83
7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682	6124.30996	6557.1025	7128.84221	6477.07646
22.455541	20.78687	16.773097	12.902754	12.662677	16.263915	18.657056	19.138468	19.515185	20.252392	20.240863
-22106.34	-13925.024	-11273.827	21599.8088	7990.66322	-15354.445	-19684.06	-17965.682	-15964.73	74255.0456	48282.546
-22106.34	-13925.024	-11273.827	21599.8088	7990.66322	-15354.445	-19684.06	-17965.682	-15964.73	74255.0456	48282.546
7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682	6124.30996	6557.1025	7128.84221	6477.07646
235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797	182136.978	195008.228	224130.799	203639.284
22106.3405	13925.0237	11273.827	-21599.809	-7990.6632	15354.445	19684.0597	17965.6824	15964.73	-74255.046	-48282.546
22106.3405	13925.0237	11273.827	-21599.809	-7990.6632	15354.445	19684.0597	17965.6824	15964.73	-74255.046	-48282.546
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	72279.0515	90027.7336	93473.6138	81525.8223
235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797	182136.978	195008.228	224130.799	203639.284

235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797	182136.978	195008.228	224130.799	203639.284
7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682	6124.30996	6557.1025	7128.84221	6477.07646
235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797	182136.978	195008.228	224130.799	203639.284
235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797	182136.978	195008.228	224130.799	203639.284
7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682	6124.30996	6557.1025	7128.84221	6477.07646
212969.049	203681.918	148352.39	156672.033	140549.649	139425.984	184504.738	164171.296	179043.498	298385.845	251921.83
-22106.34	-13925.024	-11273.827	21599.8088	7990.66322	-15354.445	-19684.06	-17965.682	-15964.73	74255.0456	48282.546
235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797	182136.978	195008.228	224130.799	203639.284
240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555	186292.875	199433.794	226107.872	205468.66
1192.95866	1134.12966	720.328076	523.981916	540.326494	751.174568	1006.12602	827.786944	746.924323	853.895467	809.081835
8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739	6879.35286	7364.61571	8009.48891	7278.37973
239535.138	228904.5	166379.667	176409.129	158120.036	156535.283	207102.657	184423.821	201092.717	335239.936	283112.874
23.574584	14.719697	20.524197	29.868577	18.733663	8.409168	20.275249	22.08307	28.285448	37.615099	28.491102
0.471491	8.24303	3.489113	0.896057	0.936683	1.177283	5.677069	1.324984	1.979981	1.504603	0.854733
8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739	6879.35286	7364.61571	8009.48891	7278.37973
25.258209	23.360492	18.810662	14.51989	14.242936	18.256939	20.940726	21.497977	21.918499	22.754229	22.744936
-1230.1522	6228.54709	3373.99178	38003.2086	22354.0862	-1672.0561	-1580.898	-1869.0546	1658.92357	109132.064	77644.2142
-1230.1522	6228.54709	3373.99178	38003.2086	22354.0862	-1672.0561	-1580.898	-1869.0546	1658.92357	109132.064	77644.2142
8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739	6879.35286	7364.61571	8009.48891	7278.37973
240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555	186292.875	199433.794	226107.872	205468.66
1230.15222	-6228.5471	-3373.9918	-38003.209	-22354.086	1672.05613	1580.89798	1869.05461	-1658.9236	-109132.06	-77644.214
1230.15222	-6228.5471	-3373.9918	-38003.209	-22354.086	1672.05613	1580.89798	1869.05461	-1658.9236	-109132.06	-77644.214
0.2	8.95	1.91	0.25	0.17	1.16	3.53	0.48	0.4	0.31	0.19
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	72279.0515	90027.7336	93473.6138	81525.8223
240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555	186292.875	199433.794	226107.872	205468.66
240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555	186292.875	199433.794	226107.872	205468.66
8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739	6879.35286	7364.61571	8009.48891	7278.37973
240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555	186292.875	199433.794	226107.872	205468.66
240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555	186292.875	199433.794	226107.872	205468.66
8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739	6879.35286	7364.61571	8009.48891	7278.37973
239535.138	228904.5	166379.667	176409.129	158120.036	156535.283	207102.657	184423.821	201092.717	335239.936	283112.874
-1230.1522	6228.54709	3373.99178	38003.2086	22354.0862	-1672.0561	-1580.898	-1869.0546	1658.92357	109132.064	77644.2142
240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555	186292.875	199433.794	226107.872	205468.66

168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199	115888.952	151393.074	165133.001	131630.991
835.031935	762.651115	666.130392	596.027505	676.892693	549.970119	517.576004	514.930486	567.000589	622.761589	517.709819
3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187	2262.13062	2955.16444	3223.36523	2569.41227
87437.2151	80612.5552	82256.5823	107877.512	106011.249	62844.4805	56211.1173	60916.7619	81045.5296	134186.392	97132.4981
3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187	2262.13062	2955.16444	3223.36523	2569.41227
9.316404	8.298584	9.21811	8.800934	9.484394	7.106169	5.689081	7.069158	8.795132	9.157287	8.029413
-80565.14	-69035.49	-68861.434	-50829.381	-65020.458	-53651.228	-51043.082	-54972.19	-70347.545	-30946.609	-34498.493
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3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187	2262.13062	2955.16444	3223.36523	2569.41227
168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199	115888.952	151393.074	165133.001	131630.991
80565.1396	69035.4903	68861.4344	50829.3809	65020.4581	53651.2277	51043.082	54972.19	70347.5449	30946.6087	34498.4926
80565.1396	69035.4903	68861.4344	50829.3809	65020.4581	53651.2277	51043.082	54972.19	70347.5449	30946.6087	34498.4926
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	66933.528	90027.7336	93473.6138	81525.8223
168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199	115888.952	151393.074	165133.001	131630.991
168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199	115888.952	151393.074	165133.001	131630.991
3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187	2262.13062	2955.16444	3223.36523	2569.41227
168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199	115888.952	151393.074	165133.001	131630.991
168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199	115888.952	151393.074	165133.001	131630.991
3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187	2262.13062	2955.16444	3223.36523	2569.41227
87437.2151	80612.5552	82256.5823	107877.512	106011.249	62844.4805	56211.1173	60916.7619	81045.5296	134186.392	97132.4981
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168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199	115888.952	151393.074	165133.001	131630.991

245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815	200907.465	193543.263	230533.748	151756.729
1217.52594	1009.38462	715.832991	511.857598	531.244606	754.750133	1190.36012	893.264232	727.245648	873.11897	599.411987
3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758	3023.89322	2913.05332	3385.22391	2228.43949
99199.4136	82078.9422	66919.1777	64970.7364	60553.4606	64579.8183	99270.7017	81445.6477	78998.9002	139553.214	83433.3231
3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758	3023.89322	2913.05332	3385.22391	2228.43949
10.494577	8.466406	7.598037	5.741884	5.676103	7.457222	10.070618	9.449666	8.669801	9.617113	6.963873
-146236.02	-115923.9	-94621.179	-69314.024	-72192.895	-93966.703	-146955.11	-119461.82	-114544.36	-90980.535	-68323.406
-146236.02	-115923.9	-94621.179	-69314.024	-72192.895	-93966.703	-146955.11	-119461.82	-114544.36	-90980.535	-68323.406
3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758	3023.89322	2913.05332	3385.22391	2228.43949
245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815	200907.465	193543.263	230533.748	151756.729
146236.019	115923.901	94621.1795	69314.0243	72192.8952	93966.7027	146955.113	119461.818	114544.363	90980.5347	68323.4061
146236.019	115923.901	94621.1795	69314.0243	72192.8952	93966.7027	146955.113	119461.818	114544.363	90980.5347	68323.4061

71264.5225	69312.8607	73372.2941	91512.9678	89416.4925	67660.3209	76640.7995	72279.0515	88664.6737	92068.827	78630.4053
245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815	200907.465	193543.263	230533.748	151756.729
245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815	200907.465	193543.263	230533.748	151756.729
3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758	3023.89322	2913.05332	3385.22391	2228.43949
245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815	200907.465	193543.263	230533.748	151756.729
245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815	200907.465	193543.263	230533.748	151756.729
3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758	3023.89322	2913.05332	3385.22391	2228.43949
99199.4136	82078.9422	66919.1777	64970.7364	60553.4606	64579.8183	99270.7017	81445.6477	78998.9002	139553.214	83433.3231
-146236.02	-115923.9	-94621.179	-69314.024	-72192.895	-93966.703	-146955.11	-119461.82	-114544.36	-90980.535	-68323.406
245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815	200907.465	193543.263	230533.748	151756.729
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
4410.3057	4014.48328	2807.65677	2143.25973	2276.04399	2790.78188	3698.46656	3045.29908	2771.50138	3196.20124	2728.08856
23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537	18289.6867	19789.936	21746.9203	18553.308
639140.815	595277.915	463907.818	505929.411	465234.394	423385.566	547089.213	490957.526	540180.645	907365.386	715600.525
23.574584	14.719697	20.524197	29.868577	18.733663	8.409168	20.275249	22.08307	28.285448	37.615099	28.491102
0.471491	8.24303	3.489113	0.896057	0.936683	1.177283	5.677069	1.324984	1.979981	1.504603	0.854733
23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537	18289.6867	19789.936	21746.9203	18553.308
67.524733	60.912355	52.399908	41.965463	42.066112	49.084247	55.357482	57.15527	58.898618	61.781023	57.979087
-250137.65	-192655.87	-171382.45	-60540.388	-106868.6	-164644.43	-219263.15	-194268.74	-199197.71	61459.9657	23104.8615
-250137.65	-192655.87	-171382.45	-60540.388	-106868.6	-164644.43	-219263.15	-194268.74	-199197.71	61459.9657	23104.8615
23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537	18289.6867	19789.936	21746.9203	18553.308
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
250137.651	192655.868	171382.449	60540.3878	106868.604	164644.432	219263.153	194268.745	199197.714	-61459.966	-23104.861
250137.651	192655.868	171382.449	60540.3878	106868.604	164644.432	219263.153	194268.745	199197.714	-61459.966	-23104.861
0.2	8.95	1.91	0.25	0.17	1.16	3.53	0.48	0.4	0.31	0.19
285058.09	277251.443	294470.961	374025.463	357665.97	272229.39	306563.198	283770.683	358747.875	372489.668	323207.872
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537	18289.6867	19789.936	21746.9203	18553.308
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537	18289.6867	19789.936	21746.9203	18553.308
639140.815	595277.915	463907.818	505929.411	465234.394	423385.566	547089.213	490957.526	540180.645	907365.386	715600.525
-250137.65	-192655.87	-171382.45	-60540.388	-106868.6	-164644.43	-219263.15	-194268.74	-199197.71	61459.9657	23104.8615

889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
10.986404	11.277009	11.160055	10.960081	11.037869	11.513969	10.965962	10.9603	10.924619	11.048826	11.041924
0.404334	0.333875	0.373719	0.476367	0.436557	0.301701	0.29395	0.382984	0.381697	0.462256	0.449702
0.389146	0.269284	0.338541	0.458392	0.420666	0.272429	0.197636	0.367737	0.363178	0.444458	0.430717
1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53	1943573.89	2474484.47	3950256.57	3214865.51
2018100.48	1728534.27	1915739.1	2564921.3	2360551.49	1518176.14	2071487.27	1971943.31	2437979.95	2580237.76	2177650.86
9977.42894	8788.20857	8314.46571	9535.94118	9262.68673	7141.64375	9947.02357	8733.94545	9094.44436	9711.36445	8545.22541
2789.34764	-13075.036	-17162.405	-20165.823	-20250.971	-20479.836	-29569.992	-10790.479	-25441.3	-14294.16	-12375.218
2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84	2612965.08	2743613.33	2923715.55	2657923.23
0.03399	0.035875	0.03646	0.036027	0.034757	0.035911	0.032947	0.034588	0.031931	0.033982	0.035596
545149.93	386488.251	436749.328	643985.587	592924.919	361541.044	288368.013	468090.892	483792.404	625232.511	550606.887
653899.025	617870.906	601681.437	901355.175	797562.239	521956.465	401301.365	523319.414	529955.037	992413.44	841338.584
2.414385	2.559368	2.475385	2.482494	2.451813	2.439005	2.328597	2.393619	2.397158	2.577902	2.560074
680321.994	426552.415	504888.81	727863.983	688874.307	416914.819	291376.32	606975.198	639837.655	715594.642	640814.584
1457.83722	12521.2335	15827.7866	44093.7615	25180.3408	8145.20282	28434.8418	2178.85979	4387.54183	20252.8826	12581.9296
124311.832	104392.251	106316.43	124263.484	124380.353	106327.74	90718.397	112685.126	117212.96	124347.645	112651.22
353.158613	296.568894	332.238843	353.021261	353.353275	332.274187	246.517383	352.141018	348.848095	353.260355	352.035062
129219.2	129219.2	117472	129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254	43198.886	44796.498	57432.534	50597.296
149.231752	152.62991	157.917894	220.838168	185.737375	148.239245	114.036099	134.191608	123.056413	213.735974	247.583571
27.825442	30.409945	29.048288	28.70901	28.471023	29.330929	26.704409	27.444325	27.369786	29.90348	29.652863
1433867.17	1136086.33	1196197.24	1757715.89	1602846.36	1015091.82	759134.657	1217220.73	1256320.44	1837295.46	1594040.06
1716147.38	1951459.56	1674222.05	2729381.05	2366324.54	2024925.72	952084.11	1410041.91	1474161.17	3460537.31	2871130.25
71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995	72279.0515	90027.7336	93473.6138	81525.8223
282280.214	815373.224	478024.805	971665.156	763478.183	1009833.9	192949.452	192821.179	217840.732	1623241.84	1277090.19
2355288.2	2546737.47	2138129.86	3235310.46	2831558.94	2448311.28	1499173.32	1900999.43	2014341.82	4367902.69	3586730.77
1391.6	1027.97	1212.57	1736.13	1567.58	1158.24	1035.33	1147.49	1124.1	1686.54	1540.76
455058.064	366646.726	248499.873	247731	251497.066	253002.86	64509.9582	205031.081	76524.6057	440320.758	385339.872
19.827842	20.428018	20.280779	25.093802	22.980134	19.663448	19.779168	19.755542	20.164102	29.990009	28.085971
178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421	306282.273	549967.193	373642.298	308541.493
187.07	259.74	232.85	249.78	250.74	263.69	332.93	201.91	277.3	226.69	204.68

118.458062	141.487422	174.105546	198.125159	189.670621	169.631096	167.824865	157.233091	192.953019	169.222007	164.363476
4.508281	4.967417	7.315518	5.757785	5.752673	5.591432	8.210582	6.379063	7.662499	4.978501	4.951537
11,251	21,710	23,369	25,723	26,101	26,050	30,914	16,910	27,263	22,488	19,879
614994.37	804510.994	399586.457	381696.11	405842.428	787956.418	78846.2104	271898.849	97543.123	800746.824	688576.394
9.195616	3.301031	5.126316	4.581091	4.302345	2.519584	2.455254	6.373449	3.442528	4.673613	5.176726
14,040	8,635	6,207	5,557	5,850	5,570	1,344	6,119	1,821	8,194	7,504
25.04458	19.205446	25.447929	35.721957	31.427529	16.316297	28.947123	26.464193	29.542265	34.788575	32.940281
24.895168	19.176098	25.357991	35.472203	31.400467	16.299375	28.908855	26.388718	29.470473	34.740128	32.930562
2789.34764	-13075.036	-17162.405	-20165.823	-20250.971	-20479.836	-29569.992	-10790.479	-25441.3	-14294.16	-12375.218
7.924283	-37.144987	-53.632515	-57.289268	-57.531167	-63.999488	-80.353238	-33.720246	-75.718153	-40.608407	-38.672557
-5033129.9	-4345938.1	-4596557.4	-5626338.7	-5386031.6	-3789954.6	-5226669.5	-4792667.8	-5445039.3	-5466440.6	-4820925.5
-70.632354	-62.683048	-62.437432	-59.762291	-60.256964	-55.582938	-68.212479	-66.319504	-60.494232	-58.509604	-59.153448
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60013.723	47603.0975	50330.1795	68448.2383	63315.2326	42139.4915	45726.6957	55369.3325	62765.1622	70985.4324	61646.6033
1839704.34	1532140.25	1558968.11	2045225.22	1892298.16	1322426.31	1433074.85	1665661.03	1888012.75	2206595.46	1869109.37
4770369.53	4192336.48	4406260.07	5345386.23	5120194.54	3629758.53	5099744.07	4557986.53	5199454.78	5189270.31	4572593.68
4333771.3	3584219.51	4363444.6	5483386.2	5182605.44	3037551.94	5659310.28	4592369.96	5651878.85	4762165.79	4192558.78
	0.115702	0.045454			0.022727	0.090909		0.012987		
568577.726	498008.27	577792.758	795635.916	743146.888	541228.967	539956.622	558881.252	687962.862	780341.116	671523.112
3.79	4.49	3.29	5.53	4.4	4.3	3.62	3.78	3.44	5.36	4.19
28807.4346	26125.0294	24575.6193	32350.0622	31608.6137	27935.4173	28483.2408	32059.7984	31466.7255	37202.4882	32542.4519
7388418.13	6892675.59	6734687.29	8861649.2	8217590.51	6238265.86	6725842.87	6693667.2	7459381.07	9834343.26	8407656.29
4514156.54	4018414.01	4121722.21	5987387.62	5343328.92	3625300.79	3720933.03	4080702.12	4715767.74	6910627.71	5749733.06
1334221.02	1044423.32	1106570.25	1629219.16	1486436.55	938871.284	692677.685	1130294.61	1169792.69	1708008.08	1482153.17
74053.8701	56237.825	56537.1506	74005.0091	69165.5215	47709.8534	47070.8077	61488.5727	64586.434	79179.4543	69150.604
28807.4346	26125.0294	24575.6193	32350.0622	31608.6137	27935.4173	28483.2408	32059.7984	31466.7255	37202.4882	32542.4519
4514156.54	4018414.01	4121722.21	5987387.62	5343328.92	3625300.79	3720933.03	4080702.12	4715767.74	6910627.71	5749733.06
70838.7138	65537.9827	65051.3748	96146.6688	84801.1989	48285.1193	37973.7314	54866.317	55061.025	92084.8931	79344.4364
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664
23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537	18289.6867	19789.936	21746.9203	18553.308
639140.815	595277.915	463907.818	505929.411	465234.394	423385.566	547089.213	490957.526	540180.645	907365.386	715600.525
-250137.65	-192655.87	-171382.45	-60540.388	-106868.6	-164644.43	-219263.15	-194268.74	-199197.71	61459.9657	23104.8615
889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366	685226.271	739378.359	845905.42	692495.664

2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01
2923715.55	2923715.55	2657923.23	2923715.55	3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87
-2923715.6	-2923715.6	-2657923.2	-2923715.6	-3056611.7	-2790819.4	-2790819.4	-2923715.6	-2657923.2	-2923715.6	-2718528.9
-2923715.6	-2923715.6	-2657923.2	-2923715.6	-3056611.7	-2790819.4	-2790819.4	-2923715.6	-2657923.2	-2923715.6	-2718528.9
2923715.55	2923715.55	2657923.23	2923715.55	3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87
2923715.55	2923715.55	2657923.23	2923715.55	3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87
2923715.55	2923715.55	2657923.23	2923715.55	3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87
32.359985	29.440025	30.453075	30.214705	38.080725	34.624445	29.201665	29.380435	29.261255	29.857165	44.148117
0	0	0	0	0	0	0	0	0	0	21.11
32.238112	29.318152	30.331202	30.092832	37.958852	34.502572	29.079792	29.258562	29.139382	29.735292	44.022554
32.33186	29.4119	30.42495	30.18658	38.0526	34.59632	29.17354	29.35231	29.23313	29.82904	44.119141
31.628746	28.708786	29.721836	29.483467	37.349486	33.893206	28.470426	28.649196	28.530016	29.125926	43.39474
31.900617	28.980657	29.993707	29.755337	37.621357	34.165077	28.742297	28.921067	28.801887	29.397797	43.674842
32.31311	29.393151	30.4062	30.16783	38.03385	34.577571	29.154791	29.33356	29.21438	29.81029	44.099824
32.35061	29.43065	30.4437	30.20533	38.07135	34.61507	29.19229	29.37106	29.25188	29.84779	44.138458

19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.450905
1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.03
32.05999	29.14003	30.15308	29.91471	37.78073	34.32445	28.90167	29.08044	28.96126	29.55717	43.83904
4.396807	3.933378	3.689392	3.661464	3.678006	3.674658	3.692015	3.777365	4.421683	5.012307	5.193452
23.471613	21.486354	22.141388	21.980147	27.225539	24.921074	21.307333	21.433626	21.407866	21.854358	33.185089
23.471613	21.486354	22.141388	21.980147	27.225539	24.921074	21.307333	21.433626	21.407866	21.854358	33.185089
0.13894		0.6947	0.13894		0.13894	0.416819				0.55576
0.000789		0.003241	0.000606		0.00037	0.012411				0.007012
0.000681		0.003027	0.000606		0.00037	0.011481				0.006972
			117.061767		169.293502	1317.49078				44.734006
			0.518163		0.576373	5.227315				0.178914
5.4		21.8	4.8		2.8	86.8				50.2
0.032159	0.033409	0.030875	0.026732	0.027798	0.033065	0.032976	0.026022	0.024187	0.025852	0.038156
75.0276		302.8892	66.6912		38.9032	1205.9992				697.478799
1430.73999		5775.95033	1271.76888		741.86518	22997.8206				13566.5945
0.2023		1.0115	0.2023		0.2023	0.6069				0.825384
87.069529		351.502916	77.395137		45.147163	1399.56207				825.605655
7665.3	7655.4	6977.7	7708.275	8049.825	7310.025	7310.7	7713.9	7025.85	7715.25	6925.275
21.77642	21.748295	21.805312	21.898508	21.874524	21.756026	21.758035	21.914488	21.955781	21.918323	21.641484
7920	7920	7200	7920	8280	7560	7560	7920	7200	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
5.4		21.8	4.8		2.8	86.8				50.2
2.853577		14.305132	2.839569		2.852434	8.482691				11.59691
2.853577		14.305132	2.839569		2.852434	8.482691				11.59691
1540.93192		6202.86845	1362.99322		798.681543	24534.3527				14491.5107
1709.81434		7033.88566	1553.69587		859.983484	38449.8023				16902.2858
168.882423		831.017215	190.702655		61.301941	13915.4497				2410.77512

1709.81434	7033.88566	1553.69587	859.983484	38449.8023	16902.2858
2.56	6.85	2.13	2.42	9	7.12
1540.93192	6202.86845	1245.93145	629.388041	23216.8619	14446.7767
1709.81434	7033.88566	1429.59612	674.266022	36252.6737	16857.2905
0.2	1	0.190657	0.2	0.593685	0.799046
5.4	21.8	4.385116	2.2	82.130627	50.044564
		283.300905	285.162847	282.299746	287.797214
		2.833009	2.851628	8.468915	2.877972
5.4	21.8	4.8	2.8	86.8	50.2
0.01534	0.068125	0.013636	0.008333	0.258333	0.156875
168.882423	831.017215	190.702655	61.301941	13915.4497	2410.77512
168.882423	831.017215	190.702655	61.301941	13915.4497	2410.77512
		0.414883	0.6	4.669372	0.155435
		117.061767	169.293502	1317.49078	44.734006
0.12	0.44	0.07	0.06	0.5	0.89
-168.88242	-831.01722	-190.70266	-61.301941	-13915.45	-2410.7751
-1878.6968	-7864.9029	-1620.2988	-735.56796	-50168.123	-19268.066
		0.01	0.01	0.01	
65.1946	224.5739	59.2649	42.0485	986.8274	679.323
0.02	0.06	0.01	0.01	0.05	0.05
17.2904	51.8712	8.6452	8.6452	43.226	44.0905
1540.93192	6202.86845	1362.99322	798.681543	24534.3527	14491.5107
1540.93192	6202.86845	1362.99322	798.681543	24534.3527	14491.5107
1517.80952	6127.45325	1349.16402	787.012343	24397.3827	14392.2002
5.4	21.8	4.8	2.8	86.8	50.2
17.2904	51.8712	8.6452	8.6452	43.226	44.0905
1540.93192	6202.86845	1362.99322	798.681543	24534.3527	14491.5107
5.832	23.544	5.184	3.024	93.743999	55.22

4.61531	5.46302	2.63732	4.61531	7.441009	6.40492	2.54313	5.6514	4.80369	3.39084	4.426929
0.164596	0.144819	0.202903	0.185413	0.30181	0.248353	0.172202	0.150458	0.081583	0.063178	0.209661
0.158522	0.141534	0.198718	0.179261	0.293858	0.242648	0.168839	0.146363	0.07825	0.061818	0.206718
20102.9616	12069.7038	33765.4479	38480.7781	174762.921	109856.11	29246.5017	11601.4123	10772.5901	30590.3141	77530.6518
83.625427	56.706604	164.413238	150.07801	595.508231	390.123051	124.972227	53.649556	45.644549	109.604238	279.168632
3236.4	2889.56	3688.22	3659.8	6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7

0.03321	0.032613	0.030843	0.037073	0.026358	0.02866	0.027142	0.02909	0.027031	0.024346	0.025781
30483.6516	27216.7656	34739.3442	34471.6562	59077.0983	44540.0021	30991.7125	28145.479	13679.4021	11887.5315	36137.8773
131738.087	110799.66	127864.216	129269.349	223774.159	167796.083	114377.09	114206.251	63515.6105	60636.9846	193488.34
2.05436	2.313271	1.019081	1.835016	2.932437	2.51931	0.99034	2.318805	2.179365	1.816346	2.200746
3884.37974	2512.11817	7591.78772	8379.20859	37998.9869	24024.6064	6462.63836	2416.89784	2001.65625	5186.04264	12436.6514
19737.98	19750.16	17987.54	19659.1	20781.4	18929.46	18959.04	19822.08	18058.3	19918.94	18081.5
56.073806	56.108409	56.211062	55.849715	56.471195	56.337678	56.425714	56.312727	56.432187	56.587897	56.504687
20416	20416	18560	20416	21344	19488	19488	20416	18560	20416	18560
58	58	58	58	58	58	58	58	58	58	58
3236.4	2889.56	3688.22	3659.8	6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7
23.10969	26.291875	11.740239	21.111965	33.822028	28.986479	11.390114	26.540981	24.685617	19.979848	24.384398
23.10969	26.291875	11.740239	21.111965	33.822028	28.986479	11.390114	26.540981	24.685617	19.979848	24.384398
156484.541	132909.121	155971.898	157264.905	271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603
241944.018	202413.835	376570.661	263993.911	435205.464	322488.379	391734.268	181295.171	94827.3262	86039.4859	498071.216
85459.4768	69504.714	220598.763	106729.006	163515.173	118602.121	252289.265	44124.8002	20068.7232	15677.015	274803.614
241944.018	202413.835	376570.661	263993.911	435205.464	322488.379	391734.268	181295.171	94827.3262	86039.4859	498071.216
175.74	152.08	97.83	141.96	244.86	188.36	95.3	143.95	111.2	105.19	222.71
136381.58	120839.417	122206.45	118784.127	96927.3697	94030.1478	110198.501	125568.958	63986.013	39772.1569	145736.951
210796.786	183218.163	292368.962	196219.83	150397.317	142793.525	295837.093	166057.589	81772.5148	48580.036	330917.73
25.962638	31.96487	13.66173	23.149812	23.876094	23.168792	13.707838	33.019029	27.571512	14.776527	21.052668
2824.00168	2622.85248	2882.21217	2770.19297	2237.82901	2178.08638	2604.21214	2731.56186	1239.80739	711.486238	2516.32083
49.703866	46.175454	42.116504	43.559139	43.681226	43.584002	42.920478	45.353917	50.279421	56.963558	53.607535
22.360445	20.310129	11.785305	20.442201	34.418877	29.172199	11.583253	21.256589	19.472745	19.8896	24.112982
3236.4	2889.56	3688.22	3659.8	6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7
9.194318	8.208977	11.525687	10.397159	17.043804	14.07363	9.792678	8.48909	4.5385	3.585454	11.989687
85459.4768	69504.714	220598.763	106729.006	163515.173	118602.121	252289.265	44124.8002	20068.7232	15677.015	274803.614
85459.4768	69504.714	220598.763	106729.006	163515.173	118602.121	252289.265	44124.8002	20068.7232	15677.015	274803.614
412.398315	266.707524	806.007826	889.607027	4034.29099	2550.65362	686.127864	256.598135	212.512607	550.593761	1320.37917
20102.9616	12069.7038	33765.4479	38480.7781	174762.921	109856.11	29246.5017	11601.4123	10772.5901	30590.3141	77530.6518
22.53	22.73	10.52	19.9	24.47	20.95	10.67	28.03	14.85	12.28	13.48
-85459.477	-69504.714	-220598.76	-106729.01	-163515.17	-118602.12	-252289.27	-44124.8	-20068.723	-15677.015	-274803.61
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1.53	0.68	0.6	2.04	11.23	7.36	0.87	1.53	1.32	3.29	2.37
12960.1941	10425.0537	12914.7431	15268.1196	31019.0779	22257.1183	12436.0877	10989.0257	5789.719	6010.4892	18079.3788
0.54	0.52	0.38	0.64	0.94	0.62	0.32	0.79	0.59	0.4	0.3

214.542	206.596	150.974	254.272	373.462	246.326	127.136	313.867	234.407	158.92	121.572
156484.541	132909.121	155971.898	157264.905	271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603
156484.541	132909.121	155971.898	157264.905	271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603
131738.087	110799.66	127864.216	129269.349	223774.159	167796.083	114377.09	114206.251	63515.6105	60636.9846	193488.34
3236.4	2889.56	3688.22	3659.8	6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7
214.542	206.596	150.974	254.272	373.462	246.326	127.136	313.867	234.407	158.92	121.572
156484.541	132909.121	155971.898	157264.905	271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603
24531.912	21902.8648	27956.7076	27741.284	47542.6696	35843.8492	24940.7772	22650.2528	11008.5856	9566.5664	29657.691

11.017603	11.034134	11.267261	11.072098	10.865557	10.930708	11.312549	10.965899	10.973714	10.961083	11.072271
0.654727	0.639037	0.550875	0.623506	0.726637	0.693856	0.532789	0.661774	0.662979	0.680985	0.648995
0.63153	0.612795	0.531043	0.600644	0.698429	0.669985	0.513188	0.640719	0.637274	0.661995	0.628488
557852.968	449903.901	467717.428	598586.707	812421.413	704799.29	499246.631	524544.016	534542.884	730233.264	636307.246
2423.63522	2174.9985	2319.0208	2577.14246	2972.42793	2700.38804	2315.73576	2471.77106	2323.35642	2674.34142	2327.58696
24675.164	23943.13	18862.654	23468.4	28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908
0.036079	0.040426	0.036937	0.035767	0.040135	0.034583	0.035892	0.03284	0.040375	0.028238	0.032906
268672.331	261274.054	208952.219	256756.096	307801.422	270685.387	212892.28	272279.193	246113.808	280742.794	243282.994
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2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.6185
412868.771	401499.838	321096.875	394557.093	472998.445	415962.234	327151.566	418411.436	378203.088	431417.452	386455.036
37662.3	37492.47	34207.98	37674.51	39208.53	36006.18	35957.34	37788.84	34085.88	37968.66	34351.17
106.99517	106.512698	106.899937	107.029857	106.544918	107.16125	107.015892	107.354659	106.518375	107.865511	107.347406
39072	39072	35520	39072	40848	37296	37296	39072	35520	39072	35520
111	111	111	111	111	111	111	111	111	111	111
24675.164	23943.13	18862.654	23468.4	28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908
29.820555	29.883467	30.536791	29.976912	29.395198	29.585111	30.667551	29.662535	29.723592	29.606366	30.775748
29.5191	29.558126	30.15529	29.657762	29.130297	29.295478	30.271858	29.386782	29.40746	29.370736	30.46905
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984975.271	861773.631	874258.874	892222.007	1278972.54	1032208.31	884059.342	873817.668	775461.629	897764.079	1329208.39
258368.5	153674.41	308766.735	197927.642	446609.466	299903.012	308421.34	137201.365	109554.332	139198.278	653241.982
984975.271	861773.631	874258.874	892222.007	1278972.54	1032208.31	884059.342	873817.668	775461.629	897764.079	1329208.39
339.3	337.77	308.18	339.41	353.23	324.38	323.94	340.44	307.08	342.06	309.47
162550.013	251225.631	92107.0516	89657.0486	13354.9234	21378.8084	70340.7608	205791.907	125313.803	23047.8271	34346.9997
287228.479	396165.01	258859.136	147649.579	21440.9411	31806.0695	207124.987	308163.741	183289.662	33399.1496	96607.0713

34.920849	47.146889	25.538941	25.502044	12.767683	16.101205	14.855405	42.158781	31.847468	13.663264	14.497701
5737.00236	8812.49086	3248.23705	3160.5997	472.095817	754.491869	2486.55787	7239.83948	4414.85929	812.598019	1172.00741
22.581453	21.914806	15.39037	21.360567	25.43626	24.451189	13.290627	22.809695	23.775422	26.572368	22.705174
22.464193	21.608897	15.320314	21.273961	25.425375	24.433629	13.258612	22.658619	23.683561	26.559991	22.696442
24675.164	23943.13	18862.654	23468.4	28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908
70.099897	68.020255	58.945793	66.67159	77.525673	74.368363	56.963898	71.119903	70.737456	73.481494	69.762212
117933.473	17106.4618	199547.41	63721.2309	285721.663	158415.76	197142.545	-5118.9696	-19089.355	-7545.9805	526077.961
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18938.1616	15130.6391	15614.417	20307.8003	28057.3522	24233.2781	16653.3121	17794.3665	18221.1267	25052.888	21151.9006
557852.968	449903.901	467717.428	598586.707	812421.413	704799.29	499246.631	524544.016	534542.884	730233.264	636307.246
86.37	103.34	18.85	52.79	17.56	25.14	18.83	102.77	99.71	40.19	27.66
-258368.5	-153674.41	-308766.74	-197927.64	-446609.47	-299903.01	-308421.34	-137201.36	-109554.33	-139198.28	-653241.98
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189.5	177.93	219.57	216.74	222.73	212.71	241.74	178.79	174.6	273.03	210.37
75546.3733	67476.8671	60296.6249	76166.6207	93498.8501	82040.7067	68031.2469	69935.0185	68261.5047	91072.1306	82232.4256
0.81	0.91	0.74	0.79	0.86	0.8	0.79	0.82	0.79	0.69	0.68
6203.79	6969.69	5667.66	6050.61	6586.74	6127.2	6050.61	6280.38	6050.61	5284.71	5312.16
867041.798	844667.169	674711.464	828500.776	993250.879	873792.55	686916.796	878936.637	794550.984	905310.059	803130.427
867041.798	844667.169	674711.464	828500.776	993250.879	873792.55	686916.796	878936.637	794550.984	905310.059	803130.427
684377.241	666172.562	532285.004	653979.891	784123.342	689695.954	541643.181	693785.982	626808.147	715517.481	637614.862
24675.164	23943.13	18862.654	23468.4	28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908
6203.79	6969.69	5667.66	6050.61	6586.74	6127.2	6050.61	6280.38	6050.61	5284.71	5312.16
867041.798	844667.169	674711.464	828500.776	993250.879	873792.55	686916.796	878936.637	794550.984	905310.059	803130.427
36025.7394	34956.9698	27539.4748	34263.864	41652.9941	36482.1442	27944.2102	36549.9408	33048.5396	37763.6096	33039.3838
	0.01	0.01	0.07			0.04				
0.15		0.75	0.15		0.15	0.6				0.75
0.000511		0.002311	0.000482		0.000208	0.012321				0.005242
0.000511		0.002125	0.000482		0.000208	0.012321				0.004656
					18.207014	179.824459				
					0.061645	0.709186				
0.54		2.04	0.51		0.21	12.42				4.47
0.017642	0.030681	0.030593	0.027215	0.038559	0.023839	0.03497	0.032784	0.030812	0.035227	0.036687
8.1		30.6	7.65		3.15	186.3				67.05

154.463076		583.527177	145.881794		60.068974	3552.65076				1304.18324
0.2023		1.0115	0.2023		0.2023	0.8092				1.03173
9.40005		35.5113	8.877825		3.655575	216.20115				79.367085
1037.37	1023.6	930.63	1027.26	1061.43	983.97	972.75	1021.38	930.42	1018.8	924.78
2.947073	2.907954	2.908218	2.918352	2.88432	2.928482	2.895089	2.901647	2.907562	2.894318	2.889937
1056	1056	960	1056	1104	1008	1008	1056	960	1056	960
3	3	3	3	3	3	3	3	3	3	3
0.54		2.04	0.51		0.21	12.42				4.47
3.034502		15.172511	3.034502		3.034502	12.138009				15.475954
3.034502		15.172511	3.034502		3.034502	12.138009				15.475954
163.863126		619.038477	154.759619		63.724549	3768.85191				1383.55033
179.257727		693.427726	171.811477		67.924253	5737.16537				1609.82609
15.394601		74.389248	17.051858		4.199704	1968.31346				226.275759
179.257727		693.427726	171.811477		67.924253	5737.16537				1609.82609
0.18		0.68	0.17		0.07	4.14				1.49
163.863126		619.038477	154.759619		45.517535	3589.02745				1383.55033
179.257727		693.427726	171.811477		48.640925	5445.73326				1609.82609
0.03		0.15	0.03		0.03	0.11986				0.15
0.54		2.04	0.51		0.15	11.8274				4.47
						303.450234				
						3.034502				
0.54		2.04	0.51		0.21	12.42				4.47
0.001534		0.006375	0.001448		0.000625	0.036964				0.013968
15.394601		74.389248	17.051858		4.199704	1968.31346				226.275759
15.394601		74.389248	17.051858		4.199704	1968.31346				226.275759
					0.06	0.592599				
					18.207014	179.824459				
-15.394601		-74.389248	-17.051858		-4.199704	-1968.3135				-226.27576
-194.65233		-767.81697	-188.86334		-52.84063	-7414.0467				-1836.1018
44.1849		139.7626	42.0759		21.1925	942.7534				405.0206
0.13		0.17	0.06		0.05	0.58				0.36
163.863126		619.038477	154.759619		63.724549	3768.85191				1383.55033
163.863126		619.038477	154.759619		63.724549	3768.85191				1383.55033

163.863126		619.038477	154.759619		63.724549	3768.85191				1383.55033
0.54		2.04	0.51		0.21	12.42				4.47
163.863126		619.038477	154.759619		63.724549	3768.85191				1383.55033
11.509233	11.546317	12.026322	11.591386	11.308696	11.375571	12.196306	11.392048	11.377672	11.362596	11.730397
0.741582	0.729025	0.576584	0.711559	0.810062	0.78389	0.547298	0.770476	0.778035	0.791511	0.684388
0.709765	0.694627	0.356487	0.679517	0.774895	0.746425	0.422613	0.740027	0.735481	0.621641	0.653751
239317.07	234762.826	112719.749	230386.552	270443.562	238936.27	141884.87	248387.393	224159.282	208185.153	220374.673
1048.03699	1141.25088	560.241962	1003.2035	995.857261	921.198684	674.383367	1176.78346	980.411381	757.558281	807.857272
10743.01	10513.88	4905.27	10285.17	12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62
0.04338	0.048153	0.0465	0.04642	0.044972	0.048333	0.042589	0.04375	0.055875	0.043778	0.046
122004.182	119626.625	57498.6618	117449.376	137734.787	121638.412	72503.3376	126580.243	114196.566	105938.758	103218.489
123126.178	120854.991	58110.6551	118587.368	139144.5	123023.84	73100.5965	127786.139	115342.507	107217.452	106593.143
1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	2.0478
105985.033	103919.65	49949.0875	102028.273	119650.209	105667.288	62983.6493	109960.257	99202.5566	92028.999	105055.779
14479.39	14407.15	8480.46	14433.38	15112.35	13749.68	11164.09	14473.8	12991.16	11857.68	13127.04
41.13463	40.929403	26.501437	41.00392	41.066168	40.921666	33.226458	41.11875	40.597375	33.68659	41.022
15136	15136	13760	15136	15824	14448	14448	15136	13760	15136	13760
43	43	43	43	43	43	43	43	43	43	43
10743.01	10513.88	4905.27	10285.17	12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62
23.005165	23.132022	24.268892	23.168059	22.60108	22.678031	24.466781	22.752135	22.747824	22.747549	25.490896
22.572716	22.64197	23.544665	22.729928	22.195273	22.319428	23.866181	22.354311	22.326791	22.291597	24.985556
243181.35	239043.843	115447.476	234099.292	274648.808	242345.929	144915.678	251948.593	227985.677	211632.697	224084.384
399460.339	354991.494	217267.554	363831.082	510481.873	414632.92	270559.132	365427.592	323282.368	306812.131	508254.999
156278.988	115947.651	101820.078	129731.79	235833.065	172286.991	125643.454	113478.999	95296.6906	95179.4334	284170.615
399460.339	354991.494	217267.554	363831.082	510481.873	414632.92	270559.132	365427.592	323282.368	306812.131	508254.999
336.73	334.77	197.22	335.66	351.45	319.42	259.63	336.6	301.67	275.76	305.28
24.822809	25.984581	15.249635	21.818185	28.746623	23.36754	10.050679	28.635183	28.041356	27.999603	19.350578
5.957474	5.976453	2.287445	3.927273	6.03679	7.010262	1.306588	7.731499	6.729925	3.919944	3.483104
10743.01	10513.88	4905.27	10285.17	12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62
30.519914	29.868977	15.328968	29.219232	33.320516	32.096309	18.17238	31.821164	31.625718	26.730568	28.111312

92507.4025	53418.8141	71765.5274	68341.0012	163839.092	108706.593	87745.9592	47315.5058	35606.1457	39805.2446	230218.311
92507.4025	53418.8141	71765.5274	68341.0012	163839.092	108706.593	87745.9592	47315.5058	35606.1457	39805.2446	230218.311
10743.01	10513.88	4905.27	10285.17	12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62
239317.07	234762.826	112719.749	230386.552	270443.562	238936.27	141884.87	248387.393	224159.282	208185.153	220374.673
-156278.99	-115947.65	-101820.08	-129731.79	-235833.06	-172286.99	-125643.45	-113479	-95296.691	-95179.433	-284170.62
-156278.99	-115947.65	-101820.08	-129731.79	-235833.06	-172286.99	-125643.45	-113479	-95296.691	-95179.433	-284170.62
2.7	2.9	1.6	2.14	1.54	2.98	1.69	3.36	3.17	1.48	1.22
		0.35				0.190476			0.181818	
74174.5687	66262.1126	37271.4049	74755.1774	91995.6844	80131.0196	52989.1271	68715.8008	66408.1697	72795.0951	79998.1978
1.02	1.13	0.72	0.98	1.11	0.9	0.8	0.94	1.01	0.91	0.96
3864.2802	4281.0163	2727.7272	3712.7398	4205.2461	3409.659	3030.808	3561.1994	3826.3951	3447.5441	3709.71072
306952.936	301572.68	145502.027	295490.081	346642.781	305926.327	182813.172	318112.086	287676.222	267006.886	278036.688
306952.936	301572.68	145502.027	295490.081	346642.781	305926.327	182813.172	318112.086	287676.222	267006.886	278036.688
229111.211	224774.64	108059.743	220615.641	258794.709	228691.128	136084.246	237746.396	214545.064	199246.451	211648.922
10743.01	10513.88	4905.27	10285.17	12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62
3864.2802	4281.0163	2727.7272	3712.7398	4205.2461	3409.659	3030.808	3561.1994	3826.3951	3447.5441	3709.71072
306952.936	301572.68	145502.027	295490.081	346642.781	305926.327	182813.172	318112.086	287676.222	267006.886	278036.688
10205.8595	9988.186	4660.0065	9770.9115	11648.8525	10245.142	5800.624	10640.9975	9614.2185	8938.702	8725.7514
0.15		0.75	0.15		0.15	0.6				0.75
0.000451		0.002474	0.00012		0.000208	0.012339				0.005172
0.000369		0.002437	0.000085		0.000208	0.012321				0.005062
					18.207014	170.025134				
					0.061645	0.668011				
0.39		2.34	0.09		0.21	12.42				4.86
0.037386	0.02463	0.027531	0.045539	0.038885	0.020803	0.025446	0.026562	0.037937	0.02071	0.031562
5.85		35.1	1.35		3.15	186.3				72.9
111.556666		669.339998	25.743846		60.068974	3552.65076				1417.97104
0.2023		1.0115	0.2023		0.2023	0.8092				1.03173
6.788925		40.73355	1.566675		3.655575	216.20115				86.291729
1016.52	1029.99	933.57	1007.91	1061.07	987.03	982.35	1027.95	923.58	1034.13	929.7
2.88784	2.926107	2.917406	2.86338	2.883342	2.937589	2.92366	2.920312	2.886187	2.937869	2.905312
1056	1056	960	1056	1104	1008	1008	1056	960	1056	960
3	3	3	3	3	3	3	3	3	3	3

0.39		2.34	0.09		0.21	12.42				4.86
3.034502		15.172511	3.034502		3.034502	12.138009				15.475954
3.034502		15.172511	3.034502		3.034502	12.138009				15.475954
118.345591		710.073548	27.310521		63.724549	3768.85191				1504.26277
128.591664		792.547608	28.425525		67.924253	5737.16537				1737.77411
10.246073		82.47406	1.115004		4.199704	1968.31346				233.511335
128.591664		792.547608	28.425525		67.924253	5737.16537				1737.77411
0.13		0.78	0.03		0.07	4.14				1.62
118.345591		710.073548	27.310521		45.517535	3598.82678				1504.26277
128.591664		792.547608	28.425525		48.640925	5457.58797				1737.77411
0.03		0.15	0.03		0.03	0.119875				0.15
0.39		2.34	0.09		0.15	11.859693				4.86
						303.450234				
						3.034502				
0.39		2.34	0.09		0.21	12.42				4.86
0.001107		0.007312	0.000255		0.000625	0.036964				0.015187
10.246073		82.47406	1.115004		4.199704	1968.31346				233.511335
10.246073		82.47406	1.115004		4.199704	1968.31346				233.511335
					0.06	0.560306				
					18.207014	170.025134				
-10.246073		-82.47406	-1.115004		-4.199704	-1968.3135				-233.51134
-138.83774		-875.02167	-29.54053		-52.84063	-7425.9014				-1971.2854
31.539		160.6102	6.756		21.1925	942.7534				437.0144
0.1		0.2	0.02		0.05	0.58				0.39
118.345591		710.073548	27.310521		63.724549	3768.85191				1504.26277
118.345591		710.073548	27.310521		63.724549	3768.85191				1504.26277
118.345591		710.073548	27.310521		63.724549	3768.85191				1504.26277
0.39		2.34	0.09		0.21	12.42				4.86
118.345591		710.073548	27.310521		63.724549	3768.85191				1504.26277
5.950802	5.230481	3.73399	5.560465	9.417551	7.258548	3.584424	4.940152	3.796288	2.52615	5.416834
0.085092	0.069956	0.159775	0.111258	0.186922	0.148321	0.131369	0.057084	0.025047	0.014813	0.153262
0.082312	0.067375	0.155343	0.106232	0.183407	0.145482	0.126404	0.05496	0.023675	0.014386	0.149912

3311.80486	1778.12868	5461.33932	7733.56525	47339.0023	25002.2719	6322.61036	1115.28741	792.706047	2678.6255	16624.8843
13.674643	8.456963	26.035754	30.108543	156.273068	86.695676	26.666261	5.051605	3.264119	9.386563	59.721092
1448.7	1185.8	2485.5	1869.7	3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6
0.028224	0.032372	0.031515	0.029957	0.026535	0.025833	0.029955	0.030369	0.029765	0.034446	0.032718
20813.1	17030.2	35970.3	26910.5	48576.3	35157.3	30742	13812.5	5371.6	3566.4	34767.8
87565.698	68510.4793	132937.542	100512.451	184181.184	133061.876	113650.32	58114.2107	24946.7787	18413.0397	186190.245
1.667202	1.485269	0.944795	1.462589	2.465602	1.899749	0.916151	1.332252	1.172972	0.902326	1.719307
755.872737	461.337426	1517.66564	2046.60279	12399.6599	6593.4761	1669.72011	274.564811	176.084228	519.629366	3102.59741
17094.7	17008.8	15554.7	17105.9	17914	16342.3	16217.7	17121	15578.5	17011.9	15473.2
48.564488	48.320454	48.608437	48.596306	48.679347	48.637797	48.266964	48.639204	48.682812	48.329261	48.35375
17600	17600	16000	17600	18400	16800	16800	17600	16000	17600	16000
50	50	50	50	50	50	50	50	50	50	50
1448.7	1185.8	2485.5	1869.7	3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6
39.122924	32.409666	26.254857	39.997699	67.789414	49.243985	25.621224	27.590885	22.789489	16.670725	45.009835
23.817952	21.187831	13.675282	21.058778	35.435966	27.110319	13.196514	18.954718	16.608395	12.823571	24.767971
87888.989	68779.2733	133680.323	101009.652	185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408
132547.727	103889.465	286629.86	160496.111	273745.259	196633.597	295158.279	73763.1112	30372.7079	21117.0952	364387.434
44658.7381	35110.1921	152949.537	59486.4592	88620.3431	63144.6745	181005.09	15389.5646	5336.96119	2653.27248	177486.026
132547.727	103889.465	286629.86	160496.111	273745.259	196633.597	295158.279	73763.1112	30372.7079	21117.0952	364387.434
200.61	140.83	153.6	207.59	375.72	267.09	147.78	114.72	78.73	59.62	256.63
84577.1841	67001.1446	128218.984	93276.0865	137785.914	108486.651	107830.579	57258.2593	24243.0407	15785.1972	170276.524
127268.436	100945.729	275182.106	148315.093	201852.354	157802.992	271811.726	72427.687	29484.8628	18073.2779	335072.327
9.271292	8.149154	6.126608	8.974074	13.967329	10.881934	5.868798	7.286479	5.735077	3.546265	8.435634
1394.91497	1153.16988	2378.87707	1724.99959	2500.08835	1979.81838	2006.08607	947.688227	366.270871	216.226685	2180.14436
62.504526	60.693906	57.197668	58.997355	61.386004	60.657919	61.334601	53.605222	64.991625	71.962299	81.415339
15.626131	7.890207	12.48527	18.85232	39.864007	29.710048	13.493612	5.874833	5.19933	12.213101	22.795927
1448.7	1185.8	2485.5	1869.7	3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6
4.115625	3.36875	7.767187	5.311647	9.17038	7.274107	6.320238	2.748011	1.18375	0.719318	7.495625
44658.7381	35110.1921	152949.537	59486.4592	88620.3431	63144.6745	181005.09	15389.5646	5336.96119	2653.27248	177486.026
44658.7381	35110.1921	152949.537	59486.4592	88620.3431	63144.6745	181005.09	15389.5646	5336.96119	2653.27248	177486.026
53.78503	32.630116	106.622928	144.700407	874.611645	464.281616	117.513926	19.611772	12.529128	36.973314	218.455643
3311.80486	1778.12868	5461.33932	7733.56525	47339.0023	25002.2719	6322.61036	1115.28741	792.706047	2678.6255	16624.8843
23.06	19.11	40.82	29.17	48.71	36.01	32.34	14.76	5.33	2.58	39.38
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-171927.17	-136055.92	-428131.64	-207801.55	-290472.7	-220947.67	-452816.82	-87817.252	-34821.824	-20726.55	-512558.35

0.23	0.17	0.77	0.84	6.35	3.4	0.62	0.05	0.06	0.29	1.57
11513.5472	8456.4614	18646.7834	15930.2943	34170.6582	23315.3796	17261.7412	6584.1041	2571.3897	1908.5674	24527.3893
0.24	0.19	0.49	0.38	0.74	0.14	0.2	0.3	0.13	0.09	0.43
132.023	114.354	320.393	232.709	464.752	88.683	138.693	162.028	64.344	43.007	275.783
87888.989	68779.2733	133680.323	101009.652	185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408
87888.989	68779.2733	133680.323	101009.652	185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408
87565.698	68510.4793	132937.542	100512.451	184181.184	133061.876	113650.32	58114.2107	24946.7787	18413.0397	186190.245
1448.7	1185.8	2485.5	1869.7	3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6
132.023	114.354	320.393	232.709	464.752	88.683	138.693	162.028	64.344	43.007	275.783
87888.989	68779.2733	133680.323	101009.652	185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408
191.268	154.44	422.388	264.492	478.98	338.364	364.176	97.307999	24.624	7.776	435.38
0.15		0.75	0.15		0.15	0.6				0.75
0.000511		0.002504	0.000482		0.000211	0.012321				0.005109
0.000511		0.0025	0.000482		0.000208	0.012321				0.005093
					24.276018	215.411649				
					0.082194	0.842973				
0.72		3.2	0.68		0.28	16.56				6.52
0.024318	0.020284	0.031125	0.03196	0.038179	0.034613	0.027886	0.024943	0.028	0.027045	0.034843
10.8		48	10.2		4.2	248.4				97.8
205.950768		915.336749	194.509059		80.091965	4736.86768				1902.2986
0.2023		1.0115	0.2023		0.2023	0.8092				1.03173
12.5334		55.704	11.8371		4.8741	288.268199				115.76586
1373.76	1379.44	1240.16	1363	1415.8	1297.48	1306.52	1372.88	1244.16	1369.92	1235.4
3.902727	3.918863	3.8755	3.872159	3.847282	3.861547	3.888452	3.900227	3.888	3.891818	3.860625
1408	1408	1280	1408	1472	1344	1344	1408	1280	1408	1280
4	4	4	4	4	4	4	4	4	4	4
0.72		3.2	0.68		0.28	16.56				6.52
3.034502		15.172511	3.034502		3.034502	12.138009				15.475954
3.034502		15.172511	3.034502		3.034502	12.138009				15.475954
218.484168		971.040749	206.346159		84.966065	5025.13588				2018.06446
239.010303		1081.19848	229.08197		90.565671	7649.55383				2329.75629
20.526134		110.157726	22.73581		5.599605	2624.41795				311.691829
239.010303		1081.19848	229.08197		90.565671	7649.55383				2329.75629

0.18	0.8	0.17	0.07	4.14						1.63
218.484168	971.040749	206.346159	60.690046	4809.72423						2018.06446
239.010303	1081.19848	229.08197	64.854567	7290.41756						2329.75629
0.04	0.2	0.04	0.04	0.159817						0.2
0.72	3.2	0.68	0.2	15.850125						6.52
			321.64192	490.759054						
			3.216419	9.815181						
0.72	3.2	0.68	0.28	16.56						6.52
0.002045	0.01	0.001931	0.000833	0.049285						0.020375
20.526134	110.157726	22.73581	5.599605	2624.41795						311.691829
20.526134	110.157726	22.73581	5.599605	2624.41795						311.691829
			0.08	0.709874						
			24.276018	215.411649						
0.17	0.75	0.16	0.05	3.96						1.63
-20.526134	-110.15773	-22.73581	-5.599605	-2624.4179						-311.69183
-259.53644	-1191.3562	-251.81778	-70.454173	-9914.8355						-2641.4481
			0.02	0.17						
44.1849	164.4942	42.0759	21.1925	942.7534						439.792
0.13	0.21	0.06	0.05	0.58						0.4
218.484168	971.040749	206.346159	84.966065	5025.13588						2018.06446
218.484168	971.040749	206.346159	84.966065	5025.13588						2018.06446
218.484168	971.040749	206.346159	84.966065	5025.13588						2018.06446
0.72	3.2	0.68	0.28	16.56						6.52
218.484168	971.040749	206.346159	84.966065	5025.13588						2018.06446

10.422166	10.44876	10.803106	10.49507	10.254101	10.317107	10.898168	10.325262	10.339242	10.338259	10.531409
0.570845	0.550733	0.410908	0.526397	0.657237	0.609738	0.384444	0.582178	0.602522	0.623542	0.554632
0.536531	0.518791	0.270161	0.499533	0.62172	0.570964	0.360987	0.556079	0.574916	0.594395	0.524676
277270.933	267740.866	129290.464	259569.429	333774.258	280516.621	182625.204	286843.714	269621.612	306333.697	257408.267
1213.13593	1299.89397	641.915315	1120.10136	1219.9358	1076.54195	850.692669	1356.72106	1177.56226	1123.33448	943.123596
11067.14	10701.206	5066.072	10303.97	13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732
0.057727	0.060113	0.061937	0.053409	0.055896	0.066726	0.059375	0.04963	0.046281	0.050426	0.05625
113148.611	109567.695	52927.7063	105880.395	136093.823	114389.908	74681.4656	116988.705	109979.737	124804.41	100743.543
114192.292	111015.51	53336.667	107032.656	137569.538	115615.138	75177.2624	118239.195	111094.844	126421.281	104272.643
2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.404399	2.4044	2.4044	2.4044	2.502199

157774.423	152781.195	73802.3937	147639.622	189769.227	159505.288	104135.836	163129.051	153355.745	174027.27	148314.644
19436.448	19387.224	12342.332	19525.52	20359.398	18375.788	18520.53	19603.458	17884.134	19587.05	17697.2
55.217181	55.07734	38.569787	55.470227	55.324451	54.689845	55.120625	55.691642	55.887918	55.645028	55.30375
20627.2	20627.2	18752	20627.2	21564.8	19689.6	19689.6	20627.2	18752	20627.2	18752
58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6
11067.14	10701.206	5066.072	10303.97	13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732
28.242003	28.294751	30.466728	28.201895	27.398057	28.344211	30.900788	27.736702	27.563094	27.975407	29.937598
25.539191	25.602047	26.455768	25.715648	25.134214	25.284111	26.686582	25.306646	25.34068	25.332082	26.836844
299620.456	289556.22	142803.826	280069.262	357490.635	305436.002	201972.87	308871.821	288014.175	329362.642	276164.821
462738.203	404819.34	273722.673	419794.893	616134.423	481311.592	391390.492	417622.647	380744.733	440128.572	632348.424
163117.747	115263.12	130918.847	139725.63	258643.789	175875.59	189417.623	108750.826	92730.5575	110765.93	356183.603
462738.203	404819.34	273722.673	419794.893	616134.423	481311.592	391390.492	417622.647	380744.733	440128.572	632348.424
331.68	329.77	210.62	333.2	347.43	313.58	316.05	334.53	305.19	334.25	302
8.00878	1192.4182	280.310719	48.754827			99.591753	30.308388	3.778225		
13.368845	1849.9415	580.099312	72.390275			281.734691	47.960992	5.282349		
0.129457	4.627005	2.035835	0.737768			1.210928	0.828333	0.12744		
0.327977	48.155466	11.494008	1.957434			4.057484	1.240276	0.152629		
25.416665	23.380032	17.448774	22.72672	25.856855	26.988214	14.437907	25.063137	27.426323	29.103752	21.822462
18.553678	21.030914	12.549545	17.725442	19.134072	17.812221	10.395293	20.05051	19.746952	20.372626	13.311702
11067.14	10701.206	5066.072	10303.97	13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732
31.440738	30.401153	15.831475	29.272642	36.43282	33.458547	21.15388	32.586272	33.690112	34.831596	30.746037
103974.968	57992.0856	103253.535	84381.9482	187507.547	116083.985	150381.62	47600.8297	35244.1489	45530.6645	303524.953
103974.968	57992.0856	103253.535	84381.9482	187507.547	116083.985	150381.62	47600.8297	35244.1489	45530.6645	303524.953
11066.812	10653.0505	5054.57799	10302.0126	13407.278	11242.072	7103.64652	11469.1277	10780.6834	12260.722	9838.732
277270.933	267740.866	129290.464	259569.429	333774.258	280516.621	182625.204	286843.714	269621.612	306333.697	257408.267
0.03	0.42	0.04	0.03			0.02	0.01			
-163117.75	-115263.12	-130918.85	-139725.63	-258643.79	-175875.59	-189417.62	-108750.83	-92730.557	-110765.93	-356183.6
-163131.12	-117113.06	-131498.95	-139798.02	-258643.79	-175875.59	-189699.36	-108798.79	-92735.84	-110765.93	-356183.6
16.26	16.5	9.1	15.59	15.58	12.57	15.27	15.08	16.8	14.64	13.73
		0.3								
68823.925	61569.1715	38324.3205	69908.6581	86059.5086	72418.5532	62114.2893	63595.124	63753.5549	83173.9335	75191.0494
1.3	1.2	0.77	1.19	1.38	1.45	1.12	1.28	1.07	1.34	1.07
22341.514	20622.936	13233.0506	20451.0782	23716.3764	24919.381	19248.0736	21997.7984	18388.7846	23028.9452	18756.5543
358763.235	346827.254	170469.138	335412.945	428626.876	365227.607	241008.872	370021.817	345500.584	394597.907	328823.471
358763.235	346827.254	170469.138	335412.945	428626.876	365227.607	241008.872	370021.817	345500.584	394597.907	328823.471

271966.715	263796.705	127139.061	254672.279	327338.765	275120.426	179313.098	281368.246	264450.589	300448.55	252587.288
11067.14	10701.206	5066.072	10303.97	13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732
22341.514	20622.936	13233.0506	20451.0782	23716.3764	24919.381	19248.0736	21997.7984	18388.7846	23028.9452	18756.5543
358763.235	346827.254	170469.138	335412.945	428626.876	365227.607	241008.872	370021.817	345500.584	394597.907	328823.471
5312.2272	5136.57888	2431.71456	4945.9056	6435.49344	5396.19456	3411.69792	5505.77664	5174.80128	5885.14656	4820.97868

5.55	4.2	3.75	5.4	8.85	7.2	3.45	3.3	2.7	1.95	4.95
0.07725	0.063372	0.156681	0.105854	0.175689	0.138697	0.12678	0.047806	0.019318	0.011825	0.147458
0.075681	0.06071	0.150343	0.102982	0.172608	0.135148	0.125744	0.046789	0.019218	0.011818	0.142593
438.688407	242.606601	1093.63981	1211.36992	7859.80449	4474.03151	1127.74931	65.039969	150.909407	329.497967	2465.22378
1.776585	1.162679	5.195378	4.656861	25.817914	15.614176	4.682424	0.297768	0.607167	1.13761	8.871174
372.96	299.18	673.54	507.5	889.28	635.74	591.5	230.58	86.1	58.24	638.82
0.03375	0.035142	0.032593	0.026931	0.028913	0.035059	0.034494	0.031363	0.026156	0.024914	0.021812
5594.4	4487.7	10103.1	7612.5	13339.2	9536.1	8872.5	3458.7	1291.5	873.6	9582.3
23748.6924	18014.488	37324.526	28390.5584	50541.9746	36101.9956	32846.8919	14764.6724	6080.1762	4545.20852	51205.7043
1.478003	1.143084	0.911382	1.347917	2.215701	1.787782	0.841968	0.860108	0.801426	0.649408	1.51989
99.990929	65.935858	305.261525	321.495073	2049.13045	1175.45123	293.988283	14.717155	32.301197	63.553912	444.33578
4761.68	4754.82	4333.98	4795.28	5003.04	4539.08	4541.74	4773.44	4362.82	4805.22	4382.28
13.5275	13.508011	13.543687	13.622954	13.595217	13.509166	13.517083	13.560909	13.633812	13.651193	13.694625
4928	4928	4480	4928	5152	4704	4704	4928	4480	4928	4480
14	14	14	14	14	14	14	14	14	14	14
372.96	299.18	673.54	507.5	889.28	635.74	591.5	230.58	86.1	58.24	638.82
22.725867	17.438396	13.799004	20.62083	33.580012	27.143447	12.6963	13.021097	12.403929	11.286974	23.363391
22.725867	17.438396	13.799004	20.62083	33.580012	27.143447	12.6963	13.021097	12.403929	11.286974	23.363391
23874.6924	18119.488	37534.526	28558.5584	50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043
35827.8192	27257.7023	79080.0872	45167.2748	74379.7883	52770.7655	85444.5028	18600.4115	7364.24687	5113.90073	98736.6229
11953.1268	9138.2144	41545.5612	16608.7164	23501.8138	16574.2699	52524.1109	3751.73911	1231.57067	526.692205	47268.4186
35827.8192	27257.7023	79080.0872	45167.2748	74379.7883	52770.7655	85444.5028	18600.4115	7364.24687	5113.90073	98736.6229
117.92	99.67	95.51	117.96	201.02	139.42	94.32	60.51	49.23	39.26	138.96
23436.004	17876.8813	36440.8862	27347.1885	43018.1701	31722.4641	31792.6426	14783.6324	5981.76679	4257.71056	49002.9805
35122.3101	26863.368	76963.9633	43113.5289	62724.4365	45964.3029	81436.4761	18528.6547	7197.33644	4736.68004	94575.575
5.057537	3.914851	3.486823	4.863839	7.988338	6.513754	3.203439	3.064009	2.493483	1.779629	4.578916
366.293938	294.784276	653.189231	486.066995	752.671303	557.376584	571.900781	229.598856	83.946586	54.003072	609.197614
75.173667	59.944626	60.379984	62.608774	60.270536	58.269546	58.191216	61.319707	68.171905	77.905615	76.09846

13.951321	2.997231	6.037998	14.400018	33.072139	21.559732	7.564858	2.452788	3.408595	5.453393	11.414769
372.96	299.18	673.54	507.5	889.28	635.74	591.5	230.58	86.1	58.24	638.82
1.059545	0.849943	2.104812	1.441761	2.416521	1.892083	1.760416	0.655056	0.269062	0.165454	1.996312
11953.1268	9138.2144	41545.5612	16608.7164	23501.8138	16574.2699	52524.1109	3751.73911	1231.57067	526.692205	47268.4186
11953.1268	9138.2144	41545.5612	16608.7164	23501.8138	16574.2699	52524.1109	3751.73911	1231.57067	526.692205	47268.4186
6.666061	4.395723	20.350768	21.433004	136.608696	78.363415	19.599218	0.981143	2.153413	4.236927	29.622385
438.688407	242.606601	1093.63981	1211.36992	7859.80449	4474.03151	1127.74931	65.039969	150.909407	329.497967	2465.22378
9.09	7.55	10.43	11.84	17.02	13.66	8.33	7.59	3.78	3.24	7
-11953.127	-9138.2144	-41545.561	-16608.716	-23501.814	-16574.27	-52524.111	-3751.7391	-1231.5707	-526.69221	-47268.419
-47075.437	-36001.582	-118509.52	-59722.245	-86226.25	-62538.573	-133960.59	-22280.394	-8428.9071	-5263.3722	-141843.99
0.18	0.12	0.32	0.39	2.73	1.03	0.16	0.03	0.06	0.18	0.38
6203.3915	4475.1437	9811.7275	8850.2038	18436.9253	12499.9786	9302.0878	3495.012	1419.8498	1151.341	12467.0994
0.12	0.1	0.2	0.16	0.32	0.09	0.07	0.08	0.05	0.04	0.25
126	105	210	168	336	94.5	73.5	84	52.5	42	262.5
23874.6924	18119.488	37534.526	28558.5584	50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043
23874.6924	18119.488	37534.526	28558.5584	50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043
23748.6924	18014.488	37324.526	28390.5584	50541.9746	36101.9956	32846.8919	14764.6724	6080.1762	4545.20852	51205.7043
372.96	299.18	673.54	507.5	889.28	635.74	591.5	230.58	86.1	58.24	638.82
126	105	210	168	336	94.5	73.5	84	52.5	42	262.5
23874.6924	18119.488	37534.526	28558.5584	50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043

11.030715	11.041707	11.419763	11.119443	10.920392	10.966431	11.478152	10.918018	10.914448	10.881201	11.181971
0.415317	0.400005	0.346671	0.403441	0.497526	0.462493	0.332317	0.415677	0.401951	0.401214	0.424484
0.398937	0.383323	0.303992	0.387718	0.479187	0.444493	0.312026	0.401578	0.386937	0.380043	0.409445
1098294.43	966498.032	750048.068	1136085.46	1646600.96	1363814.58	862336.318	1072556.86	1040039.98	1278350.55	1210755.68
4783.8848	4682.4696	3716.82245	4885.8089	5965.8202	5191.34344	4004.5802	5064.2745	4530.8459	4675.3626	4426.50764
51550.424	49532.756	35710.636	50100.62	64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43
0.033827	0.035472	0.035633	0.035542	0.035706	0.034304	0.034607	0.03252	0.034198	0.031766	0.035403
560816.053	539203.04	400607.92	549166.414	702622.63	595996.512	432510.295	561264.821	490632.612	527813.494	528668.233
753782.128	693867.852	628705.89	744853.084	1046336.25	850274.747	658483.766	708485.014	569584.975	601333.995	911100.95
2.472112	2.444927	2.52428	2.456757	2.539761	2.497188	2.502338	2.444107	2.411625	2.428467	2.697642
676744.019	658200.683	445331.808	644324.665	782417.881	681192.143	496391.284	691500.744	630761.39	697473.72	640932.489
4740.24341	3039.39146	9414.71488	10747.3065	52447.7772	31793.5338	8426.34675	2706.1798	2210.04168	5769.22592	15983.5846
124265.448	123889.054	102989.052	124300.135	129966.843	118520.993	115932.76	124718.728	113084.804	122287.55	113127.545

353.02684	351.957539	321.840787	353.125383	353.170769	352.74105	345.037976	354.314568	353.390012	347.407812	353.523578
129219.2	129219.2	117472	129219.2	135092.8	123345.6	123345.6	129219.2	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51550.424	49532.756	35710.636	50100.62	64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43
177.983291	157.45018	196.889182	175.020438	214.585791	197.937207	180.63948	147.304338	139.913548	128.266871	236.986644
28.593014	28.312028	30.263127	28.681057	29.27835	28.843341	30.053558	28.040843	27.543453	27.621255	31.525152
1539698.42	1456507.17	1159433.21	1497047.44	1972195.7	1654670	1246142.33	1507829.31	1287834.17	1392974.64	1657250.21
2259750.05	1955145.47	2117130.77	2147488.29	3188919.35	2501131.96	2375919.7	1930526.6	1612053.01	1756975.26	3453586.73
720051.627	498638.301	957697.559	650440.85	1216723.65	846461.959	1129777.38	422697.293	324218.835	364000.621	1796336.51
2259750.05	1955145.47	2117130.77	2147488.29	3188919.35	2501131.96	2375919.7	1930526.6	1612053.01	1756975.26	3453586.73
1505.03	1394.89	1072.07	1478.28	1873.71	1554.88	1258.44	1330.75	1153.1	1156.14	1546.91
408994.414	458135.492	387756.704	330747.553	291086.377	256399.184	355476.516	403433.065	219528.402	82862.8918	418716.109
662686.055	709042.211	913555.326	537229.336	436415.048	379203.291	910938.43	565225.633	301749.658	104789.144	879707.351
7.719369	14.850275	5.316049	6.590206	10.366682	6.167965	4.155313	13.377587	10.501436	5.330278	5.299963
10329.5909	12931.453	9203.38953	8149.48181	5962.68448	5472.47322	7794.4822	11149.9287	6105.03677	1794.31402	6543.56477
29.938067	26.034376	18.751924	28.136505	38.258304	34.69474	19.609242	27.678595	28.550194	31.902062	31.865784
29.817518	25.901628	18.685043	28.089658	38.199528	34.677331	19.593848	27.580086	28.453728	31.875263	31.857399
51550.424	49532.756	35710.636	50100.62	64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43
146.450068	140.718056	111.595737	142.331306	175.909717	163.173458	114.545041	147.4195	142.0446	139.513886	150.307593
456702.235	242270.482	790758.372	399499.967	912705.632	581602.704	941565.086	153063.47	78398.1947	96646.9083	1562561.54
456702.235	242270.482	790758.372	399499.967	912705.632	581602.704	941565.086	153063.47	78398.1947	96646.9083	1562561.54
41220.8331	36601.303	26507.2465	41951.1382	58772.0915	49353.8088	30692.6518	40741.7353	39349.2352	47314.574	41554.8652
1098294.43	966498.032	750048.068	1136085.46	1646600.96	1363814.58	862336.318	1072556.86	1040039.98	1278350.55	1210755.68
141.37	153.15	81.85	113.96	107.76	95.87	74.65	153.16	123.67	58.29	90.04
-720051.63	-498638.3	-957697.56	-650440.85	-1216723.6	-846461.96	-1129777.4	-422697.29	-324218.84	-364000.62	-1796336.5
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210.4	198.3	231.96	237.75	260.16	240.08	260.53	198.84	196.01	292.91	229.64
		0.05909				0.017316			0.016528	
249407.103	218664.81	177955.045	261029.247	355180.705	292768.382	225949.668	223314.085	208204.188	256111.557	294456.69
4.41	4.05	3.94	4.29	5.35	4.16	5.09	4.21	3.64	3.47	4.89
32899.4396	32299.5923	22361.676	30878.0542	35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705
1803047.82	1712874.99	1326372.4	1747988.33	2276213.72	1919529.26	1434354.62	1777463.13	1533654.82	1660328.35	1891025.19
1803047.82	1712874.99	1326372.4	1747988.33	2276213.72	1919529.26	1434354.62	1777463.13	1533654.82	1660328.35	1891025.19
1430526.15	1352068.53	1074037.7	1389177.75	1828754.13	1531466.89	1154875.05	1399985.76	1200346.37	1298807.72	1552033.44
51550.424	49532.756	35710.636	50100.62	64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43

32899.4396	32299.5923	22361.676	30878.0542	35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705
1803047.82	1712874.99	1326372.4	1747988.33	2276213.72	1919529.26	1434354.62	1777463.13	1533654.82	1660328.35	1891025.19
76272.8381	72139.0395	63033.8355	76991.6411	107758.99	88308.718	62555.2293	75444.2757	58870.7689	62161.8005	76734.4049
	0.01	0.01	0.07			0.04				

2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
288296.941	189433.348	190869.29	349203.554	563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817
1246.85495	915.480561	941.004751	1478.88911	2078.00336	1837.07536	960.504375	1137.44566	1291.86207	2190.74014	1460.59861
-80671.909	-72540.672	-64546.054	-81417.729	-100157.96	-87395.95	-72714.365	-74532.768	-73375.437	-96069.109	-87397.655
80671.9089	72540.6723	64546.0541	81417.7289	100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548
288296.941	189433.348	190869.29	349203.554	563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817
209.85	197.95	237.73	237.19	258.96	238.95	261.06	198.07	195.13	292.01	229.11
143.45015	124.970772	137.35663	169.170371	200.382821	193.74996	165.058552	134.488951	150.510237	195.040784	172.288243
68.406991	52.992026	68.23919	76.388893	89.200073	88.163462	83.048736	67.569298	71.251216	89.085711	92.382632
16977.4492	12051.3556	18666.1351	21109.6706	26027.9598	23871.6138	25429.4218	14226.9448	15675.3304	28023.5412	26055.621
-80671.909	-72540.672	-64546.054	-81417.729	-100157.96	-87395.95	-72714.365	-74532.768	-73375.437	-96069.109	-87397.655
-229.18156	-206.08146	-201.70642	-231.30037	-272.16838	-260.10699	-216.4118	-211.74082	-229.29824	-272.9236	-273.11767
-2626050.5	-2142606.6	-1977399.7	-2516666.9	-3911096.9	-3088229.9	-2160575.4	-2190552.7	-2150514.8	-2875322.4	-3864535.7
-32.599432	-29.516093	-30.544347	-30.818586	-38.973161	-35.258728	-29.676216	-29.403908	-29.317835	-29.934469	-44.19887
-2626050.5	-2142606.6	-1977399.7	-2516666.9	-3911096.9	-3088229.9	-2160575.4	-2190552.7	-2150514.8	-2875322.4	-3864535.7
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
2914347.46	2332039.98	2168268.95	2865870.44	4474895.58	3566814.59	2374093.43	2433147.97	2448187.47	3475866.23	4265640.49
80671.9089	72540.6723	64546.0541	81417.7289	100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68

2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
288296.941	189433.348	190869.29	349203.554	563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817
1246.85495	915.480561	941.004751	1478.88911	2078.00336	1837.07536	960.504375	1137.44566	1291.86207	2190.74014	1460.59861
-80671.909	-72540.672	-64546.054	-81417.729	-100157.96	-87395.95	-72714.365	-74532.768	-73375.437	-96069.109	-87397.655
80671.9089	72540.6723	64546.0541	81417.7289	100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548
288296.941	189433.348	190869.29	349203.554	563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817
209.85	197.95	237.73	237.19	258.96	238.95	261.06	198.07	195.13	292.01	229.11

143.45015	124.970772	137.35663	169.170371	200.382821	193.74996	165.058552	134.488951	150.510237	195.040784	172.288243
68.406991	52.992026	68.23919	76.388893	89.200073	88.163462	83.048736	67.569298	71.251216	89.085711	92.382632
16977.4492	12051.3556	18666.1351	21109.6706	26027.9598	23871.6138	25429.4218	14226.9448	15675.3304	28023.5412	26055.621
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-229.18156	-206.08146	-201.70642	-231.30037	-272.16838	-260.10699	-216.4118	-211.74082	-229.29824	-272.9236	-273.11767
-2626050.5	-2142606.6	-1977399.7	-2516666.9	-3911096.9	-3088229.9	-2160575.4	-2190552.7	-2150514.8	-2875322.4	-3864535.7
-32.599432	-29.516093	-30.544347	-30.818586	-38.973161	-35.258728	-29.676216	-29.403908	-29.317835	-29.934469	-44.19887
-2626050.5	-2142606.6	-1977399.7	-2516666.9	-3911096.9	-3088229.9	-2160575.4	-2190552.7	-2150514.8	-2875322.4	-3864535.7
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
2914347.46	2332039.98	2168268.95	2865870.44	4474895.58	3566814.59	2374093.43	2433147.97	2448187.47	3475866.23	4265640.49
80671.9089	72540.6723	64546.0541	81417.7289	100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68

231064.878	249087.884	208652.99	185277.854	148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664
1013.17995	1212.58166	1037.51895	814.981567	552.868136	520.56022	806.070539	979.393768	843.638704	793.929567	787.567842
7349.39181	7922.64263	6636.5455	5893.06152	4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541
237521.266	232133.888	200149.106	176953.654	179455.051	145615.543	158502.024	192344.285	178712.7	204020.058	286694.194
7349.39181	7922.64263	6636.5455	5893.06152	4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541
20.878954	22.507507	20.739204	16.741652	12.857495	12.670711	16.308978	18.667569	19.160306	19.51218	20.247985
6456.38802	-16953.996	-8503.8844	-8324.1998	30694.856	11764.1747	-13783.417	-14247.464	-14055.311	-11918.905	72227.5305
6456.38802	-16953.996	-8503.8844	-8324.1998	30694.856	11764.1747	-13783.417	-14247.464	-14055.311	-11918.905	72227.5305
7349.39181	7922.64263	6636.5455	5893.06152	4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541
231064.878	249087.884	208652.99	185277.854	148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664
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231064.878	249087.884	208652.99	185277.854	148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664

231064.878	249087.884	208652.99	185277.854	148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664
7349.39181	7922.64263	6636.5455	5893.06152	4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541
231064.878	249087.884	208652.99	185277.854	148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664
231064.878	249087.884	208652.99	185277.854	148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664
7349.39181	7922.64263	6636.5455	5893.06152	4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541
237521.266	232133.888	200149.106	176953.654	179455.051	145615.543	158502.024	192344.285	178712.7	204020.058	286694.194
6456.38802	-16953.996	-8503.8844	-8324.1998	30694.856	11764.1747	-13783.417	-14247.464	-14055.311	-11918.905	72227.5305
231064.878	249087.884	208652.99	185277.854	148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664
233077.057	251524.573	210563.531	186515.127	150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43
1022.01535	1224.41503	1047.01839	820.452939	558.734585	525.715563	812.594119	987.273006	850.934329	800.66752	785.148025
8256.36049	8909.83257	7458.85692	6606.9829	5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586
266878.145	261071.371	224997.127	198322.667	201995.515	163842.383	177903.583	215967.849	200756.329	229117.014	322123.466
22.082078	23.621657	13.044845	27.347946	37.794584	20.473441	14.883376		35.706819	27.595785	9.903773
0.662462	1.653516	5.87018	1.093917	0.377945	0.409468	1.041836		1.428272	2.48362	0.198075
8256.36049	8909.83257	7458.85692	6606.9829	5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586
23.455569	25.312024	23.308927	18.769837	14.47179	14.251602	18.309914	20.956846	21.523437	21.914772	22.749237
33801.088	9546.79755	14433.5962	11807.5392	51653.2979	28661.9441	4228.9198	7720.49971	6322.20272	11350.7986	108317.036
33801.088	9546.79755	14433.5962	11807.5392	51653.2979	28661.9441	4228.9198	7720.49971	6322.20272	11350.7986	108317.036
8256.36049	8909.83257	7458.85692	6606.9829	5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586
233077.057	251524.573	210563.531	186515.127	150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43
-33801.088	-9546.7976	-14433.596	-11807.539	-51653.298	-28661.944	-4228.9198	-7720.4997	-6322.2027	-11350.799	-108317.04
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0.23	0.54	6.18	0.22	0.08	0.05	0.78		0.32	0.8	0.32
80671.9089	72540.6723	64546.0541	81417.7289	100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548
233077.057	251524.573	210563.531	186515.127	150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43
233077.057	251524.573	210563.531	186515.127	150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43
8256.36049	8909.83257	7458.85692	6606.9829	5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586
233077.057	251524.573	210563.531	186515.127	150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43
233077.057	251524.573	210563.531	186515.127	150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43
8256.36049	8909.83257	7458.85692	6606.9829	5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586
266878.145	261071.371	224997.127	198322.667	201995.515	163842.383	177903.583	215967.849	200756.329	229117.014	322123.466
33801.088	9546.79755	14433.5962	11807.5392	51653.2979	28661.9441	4228.9198	7720.49971	6322.20272	11350.7986	108317.036
233077.057	251524.573	210563.531	186515.127	150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43

168521.005	169755.299	133728.097	165653.007	165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427
740.924911	828.971207	665.082216	726.872503	610.16017	634.494426	575.102729	492.912647	512.16181	584.413811	553.575045
3289.49845	3313.59163	2610.3474	3233.51566	3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422
108101.674	95636.8357	75502.7111	96804.7531	126076.925	108502.242	68675.3877	59731.9061	66079.1766	92614.2941	132200.643
3289.49845	3313.59163	2610.3474	3233.51566	3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422
9.345166	9.413612	8.157335	9.186124	8.789983	9.546682	7.170845	5.767891	7.139543	8.813351	9.205325
-60419.331	-74118.464	-58225.386	-68848.254	-39637.461	-55827.481	-54758.383	-44280.259	-50963.642	-66316.522	-18707.785
-60419.331	-74118.464	-58225.386	-68848.254	-39637.461	-55827.481	-54758.383	-44280.259	-50963.642	-66316.522	-18707.785
3289.49845	3313.59163	2610.3474	3233.51566	3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422
168521.005	169755.299	133728.097	165653.007	165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427
60419.3314	74118.4635	58225.3863	68848.2542	39637.4612	55827.4811	54758.3828	44280.2594	50963.6416	66316.5216	18707.7847
60419.3314	74118.4635	58225.3863	68848.2542	39637.4612	55827.4811	54758.3828	44280.2594	50963.6416	66316.5216	18707.7847
80671.9089	72540.6723	59494.1492	78662.2605	100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548
168521.005	169755.299	133728.097	165653.007	165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427
168521.005	169755.299	133728.097	165653.007	165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427
3289.49845	3313.59163	2610.3474	3233.51566	3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422
168521.005	169755.299	133728.097	165653.007	165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427
168521.005	169755.299	133728.097	165653.007	165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427
3289.49845	3313.59163	2610.3474	3233.51566	3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422
108101.674	95636.8357	75502.7111	96804.7531	126076.925	108502.242	68675.3877	59731.9061	66079.1766	92614.2941	132200.643
-60419.331	-74118.464	-58225.386	-68848.254	-39637.461	-55827.481	-54758.383	-44280.259	-50963.642	-66316.522	-18707.785
168521.005	169755.299	133728.097	165653.007	165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427

243687.398	254826.582	181617.434	178650.82	140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242
1070.80878	1242.18206	903.191046	787.704269	524.241731	509.940607	815.519346	1159.60749	908.916396	765.121398	793.031079
3578.37588	3741.94687	2666.92268	2623.36006	2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304
118693.091	108665.4	77027.0228	76408.2126	77601.3012	61184.4419	71245.5324	105246.499	88488.7313	88690.8094	140307.264
3578.37588	3741.94687	2666.92268	2623.36006	2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304
10.16584	10.63053	8.334133	7.452727	5.614191	5.705191	7.592081	10.187487	9.523186	8.654563	9.632353
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3578.37588	3741.94687	2666.92268	2623.36006	2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304
243687.398	254826.582	181617.434	178650.82	140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242
124994.306	146161.182	104590.411	102242.607	63094.8257	69359.4568	102473.439	138959.802	119040.545	118769.474	74840.9787
124994.306	146161.182	104590.411	102242.607	63094.8257	69359.4568	102473.439	138959.802	119040.545	118769.474	74840.9787

80671.9089	72540.6723	64399.5605	81417.7289	97446.3522	87395.9496	72170.4736	74532.7682	73259.5216	94465.878	85885.1513
243687.398	254826.582	181617.434	178650.82	140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242
243687.398	254826.582	181617.434	178650.82	140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242
3578.37588	3741.94687	2666.92268	2623.36006	2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304
243687.398	254826.582	181617.434	178650.82	140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242
243687.398	254826.582	181617.434	178650.82	140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242
3578.37588	3741.94687	2666.92268	2623.36006	2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304
118693.091	108665.4	77027.0228	76408.2126	77601.3012	61184.4419	71245.5324	105246.499	88488.7313	88690.8094	140307.264
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243687.398	254826.582	181617.434	178650.82	140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
3846.92899	4508.14996	3652.8106	3150.01128	2246.00462	2190.71082	3009.28674	3619.18691	3115.65124	2944.1323	2919.32199
22473.6266	23888.0137	19372.6725	18356.9201	15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685
731194.177	697507.495	577675.967	548489.287	585128.791	479144.609	476326.527	573290.539	534036.937	614442.176	881325.567
22.082078	23.621657	13.044845	27.347946	37.794584	20.473441	14.883376		35.706819	27.595785	9.903773
0.662462	1.653516	5.87018	1.093917	0.377945	0.409468	1.041836		1.428272	2.48362	0.198075
22473.6266	23888.0137	19372.6725	18356.9201	15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685
63.84553	67.863675	60.539601	52.150341	41.733459	42.174187	49.381819	55.579795	57.346473	58.894868	61.834901
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22473.6266	23888.0137	19372.6725	18356.9201	15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
145156.162	227686.844	156886.086	167607.522	20384.133	84760.8191	166786.319	189767.025	177737.295	185654.102	-86995.804
145156.162	227686.844	156886.086	167607.522	20384.133	84760.8191	166786.319	189767.025	177737.295	185654.102	-86995.804
0.23	0.54	6.18	0.22	0.08	0.05	0.78		0.32	0.8	0.32
322687.636	290162.689	252985.818	322915.447	397920.246	349583.798	290313.569	298131.073	293385.833	382673.205	348078.116
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
22473.6266	23888.0137	19372.6725	18356.9201	15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
22473.6266	23888.0137	19372.6725	18356.9201	15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685
731194.177	697507.495	577675.967	548489.287	585128.791	479144.609	476326.527	573290.539	534036.937	614442.176	881325.567
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876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
11.030715	11.041707	11.419763	11.119443	10.920392	10.966431	11.478152	10.918018	10.914448	10.881201	11.181971
0.415317	0.400005	0.346671	0.403441	0.497526	0.462493	0.332317	0.415677	0.401951	0.401214	0.424484
0.398937	0.383323	0.303992	0.387718	0.479187	0.444493	0.312026	0.401578	0.386937	0.380043	0.409445
2626050.52	2142606.64	1977399.66	2516666.89	3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68
2262941.71	2081125.72	1675479.41	2201385.83	2815912.6	2406304.72	1718967.22	2078209.73	2049486.9	2678990.64	2406190.26
9877.66874	10106.1001	8310.6378	9514.70929	10289.8282	9219.12962	7974.37131	9820.90707	8938.35921	9810.23503	8806.42825
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2923715.55	2923715.55	2657923.23	2923715.55	3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87
0.033827	0.035472	0.035633	0.035542	0.035706	0.034304	0.034607	0.03252	0.034198	0.031766	0.035403
560816.053	539203.04	400607.92	549166.414	702622.63	595996.512	432510.295	561264.821	490632.612	527813.494	528668.233
753782.128	693867.852	628705.89	744853.084	1046336.25	850274.747	658483.766	708485.014	569584.975	601333.995	911100.95
2.472112	2.444927	2.52428	2.456757	2.539761	2.497188	2.502338	2.444107	2.411625	2.428467	2.697642
676744.019	658200.683	445331.808	644324.665	782417.881	681192.143	496391.284	691500.744	630761.39	697473.72	640932.489
4740.24341	3039.39146	9414.71488	10747.3065	52447.7772	31793.5338	8426.34675	2706.1798	2210.04168	5769.22592	15983.5846
124265.448	123889.054	102989.052	124300.135	129966.843	118520.993	115932.76	124718.728	113084.804	122287.55	113127.545
353.02684	351.957539	321.840787	353.125383	353.170769	352.74105	345.037976	354.314568	353.390012	347.407812	353.523578
129219.2	129219.2	117472	129219.2	135092.8	123345.6	123345.6	129219.2	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51550.424	49532.756	35710.636	50100.62	64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43
177.983291	157.45018	196.889182	175.020438	214.585791	197.937207	180.63948	147.304338	139.913548	128.266871	236.986644
28.593014	28.312028	30.263127	28.681057	29.27835	28.843341	30.053558	28.040843	27.543453	27.621255	31.525152
1539698.42	1456507.17	1159433.21	1497047.44	1972195.7	1654670	1246142.33	1507829.31	1287834.17	1392974.64	1657250.21
2259750.05	1955145.47	2117130.77	2147488.29	3188919.35	2501131.96	2375919.7	1930526.6	1612053.01	1756975.26	3453586.73
80671.9089	72540.6723	64546.0541	81417.7289	100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548
720051.627	498638.301	957697.559	650440.85	1216723.65	846461.959	1129777.38	422697.293	324218.835	364000.621	1796336.51
2990944.23	2652652.96	2694806.74	2695977.58	3774048.14	2980276.57	2852246.23	2503817.14	2146089.95	2371417.44	4334912.29
1505.03	1394.89	1072.07	1478.28	1873.71	1554.88	1258.44	1330.75	1153.1	1156.14	1546.91
408994.414	458135.492	387756.704	330747.553	291086.377	256399.184	355476.516	403433.065	219528.402	82862.8918	418716.109
23.471613	21.486354	22.141388	21.980147	27.225539	24.921074	21.307333	21.433626	21.407866	21.854358	33.185089
288296.941	189433.348	190869.29	349203.554	563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817
209.85	197.95	237.73	237.19	258.96	238.95	261.06	198.07	195.13	292.01	229.11

143.45015	124.970772	137.35663	169.170371	200.382821	193.74996	165.058552	134.488951	150.510237	195.040784	172.288243
4.275436	4.416002	4.264949	4.774305	7.433339	5.510216	5.190546	5.630774	5.937601	7.423809	5.773914
16,977	12,051	18,666	21,110	26,028	23,872	25,429	14,227	15,675	28,024	26,056
662686.055	709042.211	913555.326	537229.336	436415.048	379203.291	910938.43	565225.633	301749.658	104789.144	879707.351
5.307066	8.66266	3.654784	4.530767	6.047231	4.240476	2.856778	7.803592	6.125838	3.109329	3.643725
10,330	12,931	9,203	8,149	5,963	5,472	7,794	11,150	6,105	1,794	6,544
29.851142	26.023235	18.543938	28.158754	38.275586	34.714577	19.590958	27.678595	28.581765	31.827418	31.817225
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63694.4597	60489.3167	45879.919	60308.0583	74130.0048	63524.3358	47284.9432	60305.8234	57700.1068	68045.5677	61342.0338
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4974870.61	4795370.73	3834511.41	4957549.11	5771369.06	5117348.13	3988403.71	4881337.95	4661956.48	5620691.46	4699732.23
4600481.49	4275761.87	3111825.38	4769523.33	5898752.73	5216729.55	3290983.34	4558707.62	4657879.5	6116446.12	4221129.7
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652766.648	581368.172	495486.917	665362.423	853258.915	729748.13	588977.601	595977.926	574965.458	734853.87	729932.461
4.41	4.05	3.94	4.29	5.35	4.16	5.09	4.21	3.64	3.47	4.89
32899.4396	32299.5923	22361.676	30878.0542	35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705
8229164.23	7704391.51	6696257.34	7904467.58	9849435.22	8362483.95	7028862.23	7654788.91	7053867.06	8259462.61	9268419.5
5305448.68	4780675.96	4038334.11	4980752.03	6792823.51	5571664.56	4238042.84	4731073.36	4395943.84	5335747.06	6549890.63
1430526.15	1352068.53	1074037.7	1389177.75	1828754.13	1531466.89	1154875.05	1399985.76	1200346.37	1298807.72	1552033.44
74024.0506	73420.7697	55083.3085	68457.5401	80092.6893	68996.809	55079.4254	71455.7521	63805.1436	69839.8817	67885.5985
32899.4396	32299.5923	22361.676	30878.0542	35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705
5305448.68	4780675.96	4038334.11	4980752.03	6792823.51	5571664.56	4238042.84	4731073.36	4395943.84	5335747.06	6549890.63
76272.8381	72139.0395	63033.8355	76991.6411	107758.99	88308.718	62555.2293	75444.2757	58870.7689	62161.8005	76734.4049
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763
22473.6266	23888.0137	19372.6725	18356.9201	15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685
731194.177	697507.495	577675.967	548489.287	585128.791	479144.609	476326.527	573290.539	534036.937	614442.176	881325.567
-145156.16	-227686.84	-156886.09	-167607.52	-20384.133	-84760.819	-166786.32	-189767.03	-177737.29	-185654.1	86995.8035
876350.338	925194.339	734562.053	716096.809	605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763

2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12
2718528.87	3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31	2854455.31	3126308.2
-2718528.9	-3126308.2	-2990381.8	-2718528.9	-2990381.8	-2990381.8	-2990381.8	-2854455.3	-2854455.3	-2854455.3	-3126308.2
-2718528.9	-3126308.2	-2990381.8	-2718528.9	-2990381.8	-2990381.8	-2990381.8	-2854455.3	-2854455.3	-2854455.3	-3126308.2
2718528.87	3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31	2854455.31	3126308.2
2718528.87	3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31	2854455.31	3126308.2
2718528.87	3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31	2854455.31	3126308.2
41.146297	33.954447	30.890087	31.953237	31.703087	39.958077	36.330887	30.639937	30.827557	30.702477	31.327857
21.110102	21.11002	21.109918	21.109918	21.109959	21.110081	21.11004	21.11002	21.110061	21.109979	21.109979
41.020734	33.828884	30.764524	31.827674	31.577524	39.832514	36.205324	30.514374	30.701994	30.576914	31.202294
41.117321	33.925471	30.861111	31.924261	31.674111	39.929101	36.301911	30.610961	30.798581	30.673501	31.298881
40.392921	33.20107	30.136711	31.19986	30.94971	39.2047	35.57751	29.88656	30.07418	29.9491	30.57448
40.673022	33.481172	30.416812	31.479962	31.229812	39.484802	35.857612	30.166662	30.354282	30.229202	30.854582
41.098004	33.906154	30.841794	31.904944	31.654794	39.909784	36.282594	30.591644	30.779264	30.654184	31.279564
41.136638	33.944788	30.880428	31.943578	31.693428	39.948418	36.321228	30.630278	30.817898	30.692818	31.318198

19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
40.83722	33.64537	30.58101	31.64416	31.39401	39.649	36.02181	30.33086	30.51848	30.3934	31.01878
5.192333	4.625629	4.13381	3.870057	3.85212	3.86564	3.857339	3.870054	3.970793	4.636159	5.240339
31.183791	26.341993	24.258092	24.94488	24.776622	30.281085	27.862263	24.069355	24.202833	24.174887	24.642155
31.183791	26.341993	24.258092	24.94488	24.776622	30.281085	27.862263	24.069355	24.202833	24.174887	24.642155
0.55576	0.27788		0.27788	0.13894	0.27788	0.13894	0.833639			
0.003961	0.000193		0.007916	0.000378	0.000649	0.000055	0.01674			
0.003944	0.000193		0.007916	0.000378	0.000555	0.00005	0.015185			
341.832162			1609.49494		418.704118		805.54112			
1.255726			7.663007		1.358381		3.09076			
28.4	1.6		57	3	4.4	0.4	114.8			
0.032906	0.025081	0.033693	0.0345	0.018892	0.032556	0.029034	0.029851	0.031398	0.030892	0.023614
394.5896	22.2304		791.957999	41.682	61.1336	5.5576	1595.0312			
7675.12519	432.401419		15404.3006	810.75266	1189.1039	108.100354	31024.8018			
0.825384	0.412692		0.412692	0.206346	0.412692	0.206346	1.238076			
467.075709	26.314124		937.440684	49.338983	72.363842	6.578531	1888.03843			
6963.075	8072.325	7653.15	6951.6	7770.375	7662.15	7690.05	7334.325	7322.625	7326.45	8084.475
21.759609	21.935665	21.741903	21.72375	22.074928	21.767471	21.846732	21.828348	21.793526	21.80491	21.968682
7200	8280	7920	7200	7920	7920	7920	7560	7560	7560	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
28.4	1.6		57	3	4.4	0.4	114.8			
11.615068	5.991093		5.806531	2.907365	5.848324	3.098424	17.476089			
11.615068	5.991093		5.806531	2.907365	5.848324	3.098424	17.476089			
8199.8952	478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013			
9822.30085	500.940848		32902.0208	938.824047	1415.62	125.651382	49748.732			
1622.40565	22.829104		16479.9433	66.614302	131.676057	1.714396	16621.4307			

9822.30085	500.940848		32902.0208	938.824047	1415.62	125.651382	49748.732
8.22	0.62		4.35	2.27	1.95	0.02	14.32
7858.06304	478.111743		14812.5825	872.209744	865.239826	123.936985	32321.7601
9447.03073	500.940848		29610.0483	938.824047	957.739183	125.651382	48367.9478
0.784181	0.4		0.390798	0.2	0.382752	0.2	1.192821
27.212246	1.6		51.407538	3	2.975781	0.4	112.018564
287.865263			287.797214		297.839604		303.104486
5.757305			2.877972		5.956792		5.988621
28.4	1.6		57	3	4.4	0.4	114.8
0.08875	0.004347		0.178125	0.008522	0.0125	0.001136	0.341666
1622.40565	22.829104		16479.9433	66.614302	131.676057	1.714396	16621.4307
1622.40565	22.829104		16479.9433	66.614302	131.676057	1.714396	16621.4307
1.187753			5.592461		1.424218		2.781435
341.832162			1609.49494		418.704118		805.54112
0.41	0.05		0.12	0.08	0.07	0.01	0.79
-1622.4057	-22.829104		-16479.943	-66.614302	-131.67606	-1.714396	-16621.431
-11069.436	-523.76995		-46089.992	-1005.4383	-1089.4152	-127.36578	-64989.379
0.01					0.04		0.01
373.3656	18.7503		585.9314	36.897	67.2977	6.148	1318.0674
0.03	0.02		0.02	0.01	0.02	0.01	0.1
26.4543	17.6362		17.6362	8.8181	17.6362	8.8181	88.181
8199.8952	478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013
8199.8952	478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013
8142.2009	458.715543		16341.7412	860.091644	1261.46775	114.678885	32912.8403
28.4	1.6		57	3	4.4	0.4	114.8
26.4543	17.6362		17.6362	8.8181	17.6362	8.8181	88.181
8199.8952	478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013
31.24	1.76		62.7	3.3	4.84	0.44	126.28

4.42693	4.33274	4.89788	2.35475	4.99207	6.78168	5.74559	2.26056	5.74559	4.52112	3.10827
0.202845	0.174682	0.170398	0.184014	0.188078	0.283578	0.241246	0.149447	0.172638	0.089424	0.067177
0.195156	0.169972	0.165539	0.177968	0.182613	0.272017	0.233892	0.144464	0.169226	0.08619	0.066603
55552.2516	26265.3714	9905.42659	76202.248	44512.7219	179135.137	121576.328	24302.6655	15356.1601	14039.8626	42954.566
210.054591	109.424255	45.878782	366.48693	167.387514	601.375765	429.053062	104.944969	69.2486	57.964377	151.289341
3622.1	3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88	1679.68	1421.58

0.030937	0.032038	0.031477	0.031593	0.028693	0.03892	0.027897	0.027619	0.02238	0.036071	0.023586
34116.5599	34171.1901	31833.0175	31111.8989	35116.2926	52308.4165	44977.0437	26517.4991	31062.7317	15820.9059	13389.862
183288.096	165799.363	139357.161	118110.117	139725.951	212585.211	184022.081	101682.479	131895.049	79627.6145	75516.4552
2.24963	2.13973	2.211504	0.941442	2.058452	2.822953	2.404302	0.927529	2.481833	2.32279	1.784305
9022.73801	4562.9785	1901.43158	16511.8479	9317.20885	36583.9562	24772.9619	5248.59095	2974.3376	2277.98287	6647.78249
17985.8	20660.18	19773.36	17973.62	19830.2	19621.4	19846.44	18949.76	19051.84	18785.04	20840.56
56.205625	56.141793	56.174318	56.167562	56.335795	55.742613	56.381931	56.398095	56.701904	55.907857	56.631956
18560	21344	20416	18560	20416	20416	20416	19488	19488	19488	21344
58	58	58	58	58	58	58	58	58	58	58
3622.1	3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88	1679.68	1421.58
24.868702	23.775332	24.953553	10.814432	23.656439	32.360466	27.463038	10.618942	28.322122	25.843165	19.484942
24.868702	23.775332	24.953553	10.814432	23.656439	32.360466	27.463038	10.618942	28.322122	25.843165	19.484942
211440.92	194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748	92842.5277	86647.1026
430047.327	314919.011	239382.321	385858.257	284221.081	444636.218	378737.868	423522.973	204983.115	116311.541	114447.887
218606.407	120893.623	73641.0347	242093.605	115416.481	188696.95	157560.81	299960.551	47279.3672	23469.0131	27800.7847
430047.327	314919.011	239382.321	385858.257	284221.081	444636.218	378737.868	423522.973	204983.115	116311.541	114447.887
212.58	163.58	149.47	89.43	158.38	220.01	182.37	102.22	144.56	109.72	105.07
155888.668	167760.017	155835.86	67562.4037	124291.878	76804.1307	99600.7294	99259.7566	142347.588	78802.6651	43692.5366
318334.072	274345.626	225074.222	182264.518	207609.822	124214.51	166543.257	345376.861	184405.099	99059.4647	57488.1355
22.646807	24.24047	29.30863	11.482865	24.012493	18.866893	20.14106	12.292861	33.040264	23.882414	11.144424
2664.17049	3143.45595	3177.78808	1550.0638	2739.047	1669.44052	2145.0347	2258.08559	2982.09939	1437.83024	715.795681
55.364504	55.068038	49.099288	44.638634	45.189694	46.238194	46.180548	44.796185	47.00788	55.919827	60.354085
25.456579	23.09705	20.599539	11.159658	23.409235	33.221938	28.141943	10.739084	22.982905	25.104157	19.866537
3622.1	3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88	1679.68	1421.58
11.319062	9.858423	9.601306	10.322187	10.59159	15.776988	13.565738	8.378928	9.815119	4.999047	3.862989
218606.407	120893.623	73641.0347	242093.605	115416.481	188696.95	157560.81	299960.551	47279.3672	23469.0131	27800.7847
218606.407	120893.623	73641.0347	242093.605	115416.481	188696.95	157560.81	299960.551	47279.3672	23469.0131	27800.7847
957.929505	484.444048	201.871916	1753.0362	989.192998	3884.05948	2630.1053	557.234414	315.780613	241.849758	705.784318
55552.2516	26265.3714	9905.42659	76202.248	44512.7219	179135.137	121576.328	24302.6655	15356.1601	14039.8626	42954.566
13.45	22.5	24.11	5.66	19.94	17.67	19.76	7.09	30.36	17.69	11.53
-218606.41	-120893.62	-73641.035	-242093.61	-115416.48	-188696.95	-157560.81	-299960.55	-47279.367	-23469.013	-27800.785
-536940.48	-395239.25	-298715.26	-424358.12	-323026.3	-312911.46	-324104.07	-645337.41	-231684.47	-122528.48	-85288.92
1.96	1.44	0.88	3.69	2.31	12.25	7.45	0.74	1.16	1.31	3.18
16311.5191	14838.2448	12364.2741	11813.0265	15937.8701	27945.509	22646.9632	10750.9146	12434.9119	6842.0258	6901.4922
0.38	0.45	0.64	0.3	0.64	1.05	0.6	0.29	0.78	0.57	0.35

153.9912	182.358	259.3536	121.572	259.3536	425.502	243.144	117.5196	316.0872	230.9868	141.834
211440.92	194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748	92842.5277	86647.1026
211440.92	194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748	92842.5277	86647.1026
183288.096	165799.363	139357.161	118110.117	139725.951	212585.211	184022.081	101682.479	131895.049	79627.6145	75516.4552
3622.1	3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88	1679.68	1421.58
153.9912	182.358	259.3536	121.572	259.3536	425.502	243.144	117.5196	316.0872	230.9868	141.834
211440.92	194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748	92842.5277	86647.1026
27998.833	28043.667	26124.7718	25532.963	28819.2952	42928.555	36911.8322	21762.4236	25492.6124	12983.9264	10988.8134

11.084184	11.077849	11.053009	11.277209	11.048468	10.920893	11.004362	11.334451	10.959849	10.985617	10.974877
0.631959	0.6263	0.635325	0.543254	0.634373	0.697889	0.665404	0.516206	0.66722	0.664632	0.671706
0.607771	0.600248	0.613781	0.26317	0.615118	0.669629	0.642732	0.495497	0.648205	0.637964	0.648093
603054.182	602117.374	481170.641	247402.246	640621.48	771162.131	733869.754	505292.203	542902.021	591882.412	775201.133
2309.47914	2564.30831	2285.6196	1200.35852	2689.98858	2756.03481	2766.20151	2299.06862	2492.96963	2516.2382	2773.34631
21588.038	24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468	23793.54	26473.342
0.0375	0.042853	0.036505	0.033718	0.031335	0.040795	0.03642	0.038095	0.029255	0.040952	0.035597
235807.017	267982.101	261771.474	103691.051	262497.003	283137.503	272938.221	206192.663	262896.366	258799.73	287579.103
243705.404	275916.076	269970.748	106803.989	271122.164	291909.74	282440.176	212760.038	271201.084	267310.641	296783.78
2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185
374579.447	425689.567	415823.986	164713.234	416976.489	449763.923	433562.365	327537.045	417610.877	411103.37	456819.406
34188	39097.53	37645.65	17173.92	37847.67	37478.04	37648.98	35875.2	36204.87	35768.64	39393.9
106.8375	106.243288	106.947869	53.6685	107.521789	106.471704	106.957329	106.771428	107.752589	106.454285	107.048641
35520	40848	39072	35520	39072	39072	39072	37296	37296	37296	40848
111	111	111	111	111	111	111	111	111	111	111
21588.038	24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468	23793.54	26473.342
30.83872	30.880291	30.786085	31.431085	30.694657	30.42108	30.625917	31.542106	30.391228	30.499138	30.509582
30.501463	30.487462	30.420057	31.008498	30.407545	30.073738	30.288499	31.156328	30.175429	30.241777	30.216188
656562.867	745549.44	728162.181	288242.419	729684.068	788208.011	760044.134	573897.206	729122.614	718940.61	799267.692
1194845.77	1076671.78	925564.185	470014.048	965689.412	1262455.92	1134754.8	944063.572	889708.443	866697.07	975161.737
538282.902	331122.342	197402.004	181771.629	236005.344	474247.908	374710.666	370166.366	160585.83	147756.459	175894.045
1194845.77	1076671.78	925564.185	470014.048	965689.412	1262455.92	1134754.8	944063.572	889708.443	866697.07	975161.737
308	352.23	339.03	154.72	340.97	337.64	339.18	323.2	326.17	322.24	354.9
47180.9647	135776.305	240116.98	37949.7334	83047.348	9233.88014	19299.8199	62355.4034	181689.633	121746.039	17582.5985
123636.348	273883.186	410553.391	107911.4	141382.826	15123.8742	32898.6193	230726.224	283343.77	184231.215	25995.4861

18.179006	29.095399	45.21818	18.383068	23.638305	10.420084	12.599474	12.291236	40.720127	31.932924	12.830444
1617.0169	4646.16651	8213.09373	1297.64686	2840.41079	316.897041	660.530544	2130.7119	6224.01113	4166.30783	603.10149
22.089873	22.063684	22.205361	15.294872	22.059869	25.648505	24.158805	12.091918	23.318665	24.481291	27.538591
22.076897	21.997455	22.007728	15.256412	21.993235	25.638357	24.147031	12.069782	23.232302	24.417117	27.528273
21588.038	24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468	23793.54	26473.342
67.462618	66.627565	68.129772	29.2119	68.27813	74.328829	71.343352	55.00025	71.950797	70.814107	71.938429
415026.574	191048.098	60574.055	127572.316	98798.1608	326251.935	232045.858	262389.461	23169.8992	12481.8405	25576.4481
415026.574	191048.098	60574.055	127572.316	98798.1608	326251.935	232045.858	262389.461	23169.8992	12481.8405	25576.4481
19971.0211	19872.7775	15768.5863	8050.16114	21193.4912	25846.851	24452.3295	16349.3721	17951.4569	19627.2322	25870.2405
603054.182	602117.374	481170.641	247402.246	640621.48	771162.131	733869.754	505292.203	542902.021	591882.412	775201.133
33.36	69.01	88.42	11.23	50.29	11.97	20.67	19.43	87.38	94.68	32.47
-538282.9	-331122.34	-197402	-181771.63	-236005.34	-474247.91	-374710.67	-370166.37	-160585.83	-147756.46	-175894.05
-661919.25	-605005.53	-607955.4	-289683.03	-377388.17	-489371.78	-407609.29	-600892.59	-443929.6	-331987.67	-201889.53
205.79	212.16	184.15	111.55	218.99	222.38	229.21	247.51	177.21	191.6	289.72
			0.5							
77854.2527	79747.9455	69033.9712	30937.7799	78686.6313	91119.658	87224.751	68908.1468	69192.2618	73692.2376	96323.9193
0.81	0.98	0.88	0.37	0.77	1	0.88	0.8	0.58	0.68	0.83
6327.72	7655.76	6874.56	2890.44	6015.24	7812	6874.56	6249.6	4530.96	5312.16	6483.96
779819.194	885623.684	864990.13	342441.731	866891.251	936203.984	902708.942	681674.111	866538.544	854215.229	949585.289
779819.194	885623.684	864990.13	342441.731	866891.251	936203.984	902708.942	681674.111	866538.544	854215.229	949585.289
618284.85	701605.643	685794.734	271517.223	688098.653	741673.664	716002.541	540297.082	688811.961	678414.011	753603.185
21588.038	24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468	23793.54	26473.342
6327.72	7655.76	6874.56	2890.44	6015.24	7812	6874.56	6249.6	4530.96	5312.16	6483.96
779819.194	885623.684	864990.13	342441.731	866891.251	936203.984	902708.942	681674.111	866538.544	854215.229	949585.289
31950.2962	36288.0371	35492.8864	13834.7558	35570.175	38722.347	37167.0328	27350.5243	35779.6926	35214.4392	39180.5462
				0.08			0.01			
0.6	0.3		0.3	0.15	0.3	0.15	1.05			
0.003187	0.000163		0.008562	0.0002	0.000397	0.000035	0.016428			
0.003187	0.000163		0.008562	0.000198	0.000397	0.000028	0.016428			
27.856718			146.285262		27.856718		94.030587			
0.101492			0.69799		0.089542		0.365349			
3.06	0.18		8.22	0.21	0.42	0.03	16.56			
0.03575	0.023179	0.030994	0.023031	0.036392	0.032414	0.031051	0.027113	0.031398	0.025982	0.029157
45.9	2.7		123.3	3.15	6.3	0.45	248.4			

892.796582	52.517446		2398.2967	61.270353	122.540707	8.752907	4831.60503			
0.825384	0.412692		0.412692	0.206346	0.412692	0.206346	1.444422			
54.33183	3.19599		145.95021	3.728655	7.45731	0.532665	294.03108			
925.68	1078.41	1023.27	937.89	1017.57	1021.77	1023.21	980.67	976.35	981.81	1071.81
2.89275	2.930461	2.907017	2.930906	2.890823	2.902755	2.906846	2.91866	2.905803	2.922053	2.912527
960	1104	1056	960	1056	1056	1056	1008	1008	1008	1104
3	3	3	3	3	3	3	3	3	3	3
3.06	0.18		8.22	0.21	0.42	0.03	16.56			
12.380763	6.190381		6.190381	3.09519	6.190381	3.09519	21.666336			
12.380763	6.190381		6.190381	3.09519	6.190381	3.09519	21.666336			
947.128412	55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611			
1113.46435	58.498558		4834.3354	68.654958	142.053355	9.821692	7504.97796			
166.335936	2.785122		2290.08849	3.65595	12.055338	0.536119	2379.34185			
1113.46435	58.498558		4834.3354	68.654958	142.053355	9.821692	7504.97796			
1.02	0.06		2.74	0.07	0.14	0.01	5.52			
919.271694	55.713436		2397.96165	64.999008	102.141299	9.285572	5031.60553			
1084.05236	58.498558		4542.14813	68.654958	112.688663	9.821692	7350.39734			
0.12	0.06		0.05991	0.03	0.06	0.03	0.179981			
2.97	0.18		7.747378	0.21	0.33	0.03	16.256204			
			309.519088				309.519088			
			3.09519				3.09519			
3.06	0.18		8.22	0.21	0.42	0.03	16.56			
0.009562	0.000489		0.025687	0.000596	0.001193	0.000085	0.049285			
166.335936	2.785122		2290.08849	3.65595	12.055338	0.536119	2379.34185			
166.335936	2.785122		2290.08849	3.65595	12.055338	0.536119	2379.34185			
0.09			0.472621		0.09		0.303795			
27.856718			146.285262		27.856718		94.030587			
-166.33594	-2.785122		-2290.0885	-3.65595	-12.055338	-0.536119	-2379.3418			
-1250.3883	-61.283681		-6832.2366	-72.310909	-124.744	-10.357812	-9729.7392			
268.8854	14.6303		563.4444	17.031	42.497	3.0664	1268.8029			
0.36	0.05		0.22	0.03	0.1	0.01	0.91			
947.128412	55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611			
947.128412	55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611			

947.128412	55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611			
3.06	0.18		8.22	0.21	0.42	0.03	16.56			
947.128412	55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611			
11.725182	11.655863	11.60714	12.088289	11.628531	11.445236	11.581385	12.255077	11.4536	11.459265	11.431173
0.675877	0.689968	0.701766	0.569713	0.702392	0.764575	0.724516	0.530242	0.743441	0.750191	0.767738
0.641851	0.65702	0.669404	0.352524	0.672198	0.730575	0.690261	0.433455	0.713107	0.715169	0.636911
216486.953	253973.517	247269.358	121713.346	248608.349	266924.796	254158.136	159270.357	249814.491	250143.664	243262.56
831.191766	1088.6947	1180.22354	590.832331	1055.66731	960.783421	963.216015	738.893425	1153.48237	1069.08167	866.463229
8831.87	10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97	10332.77	10078.49
0.050375	0.050407	0.047556	0.048562	0.042244	0.045909	0.048863	0.048214	0.040773	0.047976	0.046739
101471.075	119114.443	115810.498	57113.8041	116456.453	125123.109	118971.54	74707.8918	117054.818	117169.177	113960.23
104642.779	122654.038	119569.297	58877.6988	120209.812	128848.245	122934.537	77157.9715	120682.216	120866.089	117497.703
2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478
103277.26	121234.68	117871.924	58130.4298	118529.378	127350.3	121089.234	76037.6922	119138.394	119254.788	115988.722
13066.84	15026.35	14416.18	8486.91	14496.59	14441.12	14396.4	11808.66	13858.9	13754.84	13118.44
40.833875	40.832472	40.955056	26.521593	41.183494	41.025909	40.898863	35.144821	41.246726	40.937023	35.647934
13760	15824	15136	13760	15136	15136	15136	14448	14448	14448	15824
43	43	43	43	43	43	43	43	43	43	43
8831.87	10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97	10332.77	10078.49
25.479902	25.357149	25.342223	26.448536	25.203355	24.782806	25.17231	26.701521	24.803773	24.88366	24.824763
24.97767	24.841632	24.734616	25.721097	24.779246	24.403784	24.67591	26.060297	24.42158	24.432308	24.377229
220389.878	258378.798	252447.496	124341.058	252318.059	270673.149	258370.204	162632.282	253446.916	254201.16	247126.842
461745.867	431190.719	369163.4	230118.243	382475.292	501511.423	444832.077	312096.946	358177.979	351827.985	352156.563
241355.989	172811.921	116715.904	105777.185	130157.233	230838.274	186461.874	149464.664	104731.063	97626.8252	105029.721
461745.867	431190.719	369163.4	230118.243	382475.292	501511.423	444832.077	312096.946	358177.979	351827.985	352156.563
303.88	349.45	335.26	197.03	337.13	335.84	334.47	274.62	322.3	319.33	305.08
23.491293	25.052334	22.958767	16.219518	21.240897	28.722051	23.461168	12.241007	24.76935	28.271675	31.616132
7.047388	9.77041	6.658042	15.895127	4.248179	5.74441	5.396068	1.958561	3.467709	7.067918	6.323226
8831.87	10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97	10332.77	10078.49
27.599593	28.251902	28.784375	15.158562	28.904517	31.414744	29.68125	18.638601	30.663601	30.752291	27.387201

188317.058	110550.802	56181.7567	75923.7992	69285.445	165436.425	124275.45	110414.849	43546.5094	36382.4965	45462.7092
188317.058	110550.802	56181.7567	75923.7992	69285.445	165436.425	124275.45	110414.849	43546.5094	36382.4965	45462.7092
8831.87	10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97	10332.77	10078.49
216486.953	253973.517	247269.358	121713.346	248608.349	266924.796	254158.136	159270.357	249814.491	250143.664	243262.56
-241355.99	-172811.92	-116715.9	-105777.18	-130157.23	-230838.27	-186461.87	-149464.66	-104731.06	-97626.825	-105029.72
-241355.99	-172811.92	-116715.9	-105777.18	-130157.23	-230838.27	-186461.87	-149464.66	-104731.06	-97626.825	-105029.72
1.72	3.48	3.86	70.1	1.88	2	2.21	1.29	1.67	2.66	2.03
			0.35				0.142857			0.130434
75806.1911	78369.7474	67299.8151	38858.281	77282.7255	90210.5554	85301.765	57170.4087	67710.2769	72142.5412	82470.1922
1.01	1.14	1.34	0.68	0.96	0.97	1.09	0.87	0.94	1.05	1
3902.92482	4405.28148	5178.13788	2627.71176	3709.71072	3748.35354	4212.06738	3361.92534	3632.42508	4057.4961	3864.282
273428.809	320639.917	312981.643	154194.444	313189.847	336074.998	320556.628	201682.097	314631.469	315445.488	306693.854
273428.809	320639.917	312981.643	154194.444	313189.847	336074.998	320556.628	201682.097	314631.469	315445.488	306693.854
207920.04	243888.718	237441.221	117008.129	238739.19	256198.545	244023.77	153195.664	239820.61	240120.877	233486.425
8831.87	10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97	10332.77	10078.49
3902.92482	4405.28148	5178.13788	2627.71176	3709.71072	3748.35354	4212.06738	3361.92534	3632.42508	4057.4961	3864.282
273428.809	320639.917	312981.643	154194.444	313189.847	336074.998	320556.628	201682.097	314631.469	315445.488	306693.854
8566.9139	10084.799	9828.137	4705.2178	9869.1583	10726.2503	10134.366	6074.6929	9993.8809	10022.7869	9776.1353
0.6	0.3		0.3	0.15	0.3	0.15	1.05			
0.003141	0.000163		0.008573	0.000198	0.000456	0.000029	0.0163			
0.003125	0.000163		0.008562	0.000198	0.000397	0.000028	0.015684			
27.856718			139.28359		27.856718		90.045372			
0.101492			0.665372		0.089542		0.349187			
3	0.18		8.22	0.21	0.42	0.03	15.81			
0.042281	0.03932	0.02125	0.018718	0.040284	0.044772	0.026988	0.03616	0.02125	0.027113	0.023532
45	2.7		123.3	3.15	6.3	0.45	237.15			
875.290766	52.517446		2398.2967	61.270353	122.540707	8.752907	4612.78234			
0.825384	0.412692		0.412692	0.206346	0.412692	0.206346	1.444422			
53.2665	3.19599		145.95021	3.728655	7.45731	0.532665	280.714455			
919.41	1060.59	1033.56	942.03	1013.46	1008.72	1027.5	971.55	986.58	980.67	1078.02
2.873156	2.882038	2.93625	2.943843	2.879147	2.865681	2.919034	2.891517	2.93625	2.91866	2.929402
960	1104	1056	960	1056	1056	1056	1008	1008	1008	1104
3	3	3	3	3	3	3	3	3	3	3

3	0.18	8.22	0.21	0.42	0.03	15.81				
12.380763	6.190381	6.190381	3.09519	6.190381	3.09519	21.666336				
12.380763	6.190381	6.190381	3.09519	6.190381	3.09519	21.666336				
928.557266	55.713436	2544.24691	64.999008	129.998017	9.285572	4893.4968				
1094.33709	58.498558	4834.3354	68.654958	142.053355	9.821692	7149.29617				
165.779827	2.785122	2290.08849	3.65595	12.055338	0.536119	2255.79938				
1094.33709	58.498558	4834.3354	68.654958	142.053355	9.821692	7149.29617				
1	0.06	2.74	0.07	0.14	0.01	5.27				
900.700548	55.713436	2404.96332	64.999008	102.141299	9.285572	4803.45142				
1064.9251	58.498558	4552.37933	68.654958	112.688663	9.821692	7004.952				
0.12	0.06	0.06	0.03	0.06	0.03	0.179882				
2.91	0.18	7.77	0.21	0.33	0.03	15.519079				
				327.406467		309.519088				
				3.274064		3.09519				
3	0.18	8.22	0.21	0.42	0.03	15.81				
0.009375	0.000489	0.025687	0.000596	0.001193	0.000085	0.047053				
165.779827	2.785122	2290.08849	3.65595	12.055338	0.536119	2255.79938				
165.779827	2.785122	2290.08849	3.65595	12.055338	0.536119	2255.79938				
0.09		0.45		0.09		0.29092				
27.856718		139.28359		27.856718		90.045372				
				0.07		0.47				
-165.77983	-2.785122	-2290.0885	-3.65595	-12.055338	-0.536119	-2255.7994				
-1230.7049	-61.283681	-6842.4678	-72.310909	-124.744	-10.357812	-9260.7514				
				0.01						
263.5068	14.6303	563.4444	17.031	42.497	3.0664	1211.2739				
0.36	0.05	0.22	0.03	0.1	0.01	0.87				
928.557266	55.713436	2544.24691	64.999008	129.998017	9.285572	4893.4968				
928.557266	55.713436	2544.24691	64.999008	129.998017	9.285572	4893.4968				
928.557266	55.713436	2544.24691	64.999008	129.998017	9.285572	4893.4968				
3	0.18	8.22	0.21	0.42	0.03	15.81				
928.557266	55.713436	2544.24691	64.999008	129.998017	9.285572	4893.4968				

5.577164	5.262165	5.663103	3.59667	6.112466	8.831224	6.977991	3.156124	5.086368	3.52086	1.559025
0.145152	0.099824	0.088417	0.148139	0.113799	0.182277	0.152247	0.120915	0.067247	0.026197	0.02341
0.140512	0.096804	0.084176	0.144993	0.112181	0.178664	0.147227	0.116916	0.066077	0.025708	0.022576

15884.5203	4741.7923	1422.45708	34849.3744	8465.73926	55838.2529	32571.8155	7216.32067	2107.73742	1399.01005	5068.5274
60.6192	19.810405	6.667969	166.431097	30.876123	181.754808	113.949199	30.875184	9.415163	5.710738	18.031611
2248.2	1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1	431.9	415.4
0.02939	0.030896	0.03159	0.030906	0.026377	0.027997	0.029843	0.030907	0.025357	0.033467	0.032241
32555.4	25620.8	21261.5	33674.7	28409.6	45315.7	37394	28501.4	15781.7	6139.9	5926.6
172951.731	122517.129	93858.9225	128489.102	114336.282	185949.13	154553.666	109433.876	67171.21	29244.0137	33488.7514
1.7558	1.605152	1.71194	0.938482	1.67727	2.451661	1.949729	0.845313	1.490831	1.21359	0.620228
3114.52741	990.09031	307.997399	9191.34029	2181.13604	13534.537	7858.88556	1885.83001	481.46887	259.886903	882.522161
15525.4	17852.2	16924.9	15539.4	17171.3	17121.2	17077.9	16337	16378.2	16246.3	17799.1
48.516875	48.511413	48.082102	48.560625	48.782102	48.639772	48.516761	48.622023	48.744642	48.352083	48.367119
16000	18400	17600	16000	17600	17600	17600	16800	16800	16800	18400
50	50	50	50	50	50	50	50	50	50	50
2248.2	1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1	431.9	415.4
47.465477	43.370308	39.194117	26.452531	43.236734	62.276928	50.134142	22.526478	33.773852	23.654375	15.652805
25.249638	23.029966	24.357738	13.616383	24.060301	35.173811	27.862777	12.169433	21.175895	17.196692	8.834748
173443.167	122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67	29330.5937	33620.2464
306964.958	186021.183	124696.785	313750.081	182668.345	299397.985	246766.941	345252.012	81754.6041	34938.9513	41047.9537
133521.79	63140.695	30542.273	184585.392	67787.2611	112538.914	91712.8404	235308.714	14325.9341	5608.35756	7427.70736
306964.958	186021.183	124696.785	313750.081	182668.345	299397.985	246766.941	345252.012	81754.6041	34938.9513	41047.9537
259.61	219.36	157.7	145.58	197.17	313.02	255.21	150.73	139.02	82.63	56.2
157558.647	118138.696	92732.0554	94315.3144	106415.345	131020.817	122482.286	102726.977	65320.9326	27931.5837	28551.719
279103.536	179159.186	122860.727	229276.229	169435.892	203677.378	193699.45	322435.482	79184.7572	33298.3512	34935.5483
8.353892	8.527505	8.956757	5.263862	9.413767	12.060518	9.753514	5.035445	7.876544	5.223157	2.441993
2029.04998	1711.16331	1459.73406	1677.00494	1820.41008	2191.15922	2038.57786	1831.49897	1075.71399	413.346659	352.964006
80.101809	72.719345	63.334209	68.844305	58.866526	66.376294	65.923891	69.623832	59.352456	77.188755	93.481817
24.831561	17.452642	6.966763	16.481204	22.356636	41.057195	31.625824	13.924766	10.66863	10.024862	8.408048
2248.2	1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1	431.9	415.4
7.025625	4.840217	4.208806	7.249687	5.60909	8.933238	7.361363	5.845833	3.303869	1.285416	1.128804
133521.79	63140.695	30542.273	184585.392	67787.2611	112538.914	91712.8404	235308.714	14325.9341	5608.35756	7427.70736
133521.79	63140.695	30542.273	184585.392	67787.2611	112538.914	91712.8404	235308.714	14325.9341	5608.35756	7427.70736
219.150018	70.036688	21.765943	642.895057	153.989924	953.340781	552.622141	132.701033	34.386009	18.55334	62.435993
15884.5203	4741.7923	1422.45708	34849.3744	8465.73926	55838.2529	32571.8155	7216.32067	2107.73742	1399.01005	5068.5274
37.4	28.35	23.78	34.99	31.18	44.35	39.61	28.95	15.97	6.47	5.31
-133521.79	-63140.695	-30542.273	-184585.39	-67787.261	-112538.91	-91712.84	-235308.71	-14325.934	-5608.3576	-7427.7074
-412625.33	-242299.88	-153403	-413861.62	-237223.15	-316216.29	-285412.29	-557744.2	-93510.691	-38906.709	-42363.256

1.39	0.46	0.13	5.21	1	7.63	4.55	0.74	0.07	0.03	0.45
21739.8018	14683.3283	10672.5942	18250.6285	17134.238	32652.8568	25532.2087	16386.8329	7428.1157	3097.4084	3728.1877
0.16	0.19	0.2	0.37	0.42	0.7	0.15	0.21	0.3	0.1	0.15
95.216	112.559	104.74	237.017	263.202	435.95	90.795	141.801	169.35	52.37	90.795
173443.167	122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67	29330.5937	33620.2464
173443.167	122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67	29330.5937	33620.2464
172951.731	122517.129	93858.9225	128489.102	114336.282	185949.13	154553.666	109433.876	67171.21	29244.0137	33488.7514
2248.2	1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1	431.9	415.4
95.216	112.559	104.74	237.017	263.202	435.95	90.795	141.801	169.35	52.37	90.795
173443.167	122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67	29330.5937	33620.2464
396.22	250.8	190.85	438.57	281.6	473.99	409.64	367.62	88.11	34.21	40.7

0.6	0.3		0.3	0.15	0.3	0.15	1.05			
0.003187	0.000163		0.008562	0.000225	0.000198	0.000028	0.016509			
0.003187	0.000163		0.008562	0.000198	0.00017	0.000028	0.015029			
37.14229			178.112545		24.761527		88.511536			
0.135322			0.850388		0.076912		0.352133			
4.08	0.24		10.96	0.28	0.24	0.04	20.2			
0.029562	0.021548	0.02034	0.0305	0.026107	0.041761	0.0325	0.028541	0.023065	0.029434	0.03307
61.2	3.6		164.4	4.2	3.6	0.6	303			
1190.39544	70.023261		3197.72893	81.693804	70.023261	11.670543	5893.6245			
0.825384	0.412692		0.412692	0.206346	0.412692	0.206346	1.444422			
72.44244	4.26132		194.60028	4.97154	4.26132	0.71022	358.6611			
1242.16	1440.28	1379.36	1240.96	1371.24	1349.2	1362.24	1305.64	1313	1304.44	1423.32
3.88175	3.913804	3.918636	3.878	3.895568	3.832954	3.87	3.885833	3.907738	3.882261	3.867717
1280	1472	1408	1280	1408	1408	1408	1344	1344	1344	1472
4	4	4	4	4	4	4	4	4	4	4
4.08	0.24		10.96	0.28	0.24	0.04	20.2			
12.380763	6.190381		6.190381	3.09519	6.190381	3.09519	21.666336			
12.380763	6.190381		6.190381	3.09519	6.190381	3.09519	21.666336			
1262.83788	74.284581		3392.32921	86.665344	74.284581	12.380763	6252.2856			
1484.61913	77.998078		6445.78053	91.539945	76.525867	13.095589	9118.73866			
221.781248	3.713496		3053.45132	4.8746	2.241286	0.714826	2866.45307			
1484.61913	77.998078		6445.78053	91.539945	76.525867	13.095589	9118.73866			

1.02	0.06	2.74	0.07	0.06	0.01	5.05	
1225.69559	74.284581	3214.21667	86.665344	49.523054	12.380763	6163.77406	
1445.40314	77.998078	6083.78509	91.539945	50.458771	13.095589	8979.46145	
0.16	0.08	0.079939	0.04	0.08	0.04	0.239909	
3.96	0.24	10.38455	0.28	0.16	0.04	19.914035	
327.060687		609.577139		323.006925		403.576009	
3.270606		6.095771		3.230069		16.14304	
4.08	0.24	10.96	0.28	0.24	0.04	20.2	
0.01275	0.000652	0.03425	0.000795	0.000681	0.000113	0.060119	
221.781248	3.713496	3053.45132	4.8746	2.241286	0.714826	2866.45307	
221.781248	3.713496	3053.45132	4.8746	2.241286	0.714826	2866.45307	
0.12		0.575449		0.08		0.285964	
37.14229		178.112545		24.761527		88.511536	
0.97	0.05	2.59	0.07	0.03	0.01	4.94	
-221.78125	-3.713496	-3053.4513	-4.8746	-2.241286	-0.714826	-2866.4531	
-1667.1844	-81.711574	-9137.2364	-96.414545	-52.700058	-13.810416	-11845.915	
0.03		0.14		0.01		0.07	
268.8854	14.6303	563.4444	17.031	18.6444	3.0664	1164.4186	
0.36	0.05	0.22	0.03	0.06	0.01	0.84	
1262.83788	74.284581	3392.32921	86.665344	74.284581	12.380763	6252.2856	
1262.83788	74.284581	3392.32921	86.665344	74.284581	12.380763	6252.2856	
1262.83788	74.284581	3392.32921	86.665344	74.284581	12.380763	6252.2856	
4.08	0.24	10.96	0.28	0.24	0.04	20.2	
1262.83788	74.284581	3392.32921	86.665344	74.284581	12.380763	6252.2856	

10.525046	10.505108	10.463502	10.827055	10.479551	10.337849	10.444672	10.926385	10.338135	10.369597	10.359768
0.542428	0.528109	0.533664	0.400103	0.537874	0.611289	0.568276	0.379079	0.579607	0.589832	0.602492
0.517025	0.496107	0.500426	0.281259	0.509431	0.577641	0.52961	0.359698	0.547483	0.55911	0.574079
253665.558	280183.041	269153.464	140697.338	275252.904	309659.938	285509.454	190216.724	280904.77	286711.694	322132.129
973.315983	1197.6205	1282.64691	683.433655	1160.63262	1104.49851	1075.9716	868.860229	1296.45323	1224.35033	1153.98123
9695.27	10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726	11008.658	12379.91
0.050468	0.065298	0.065085	0.060531	0.055	0.054431	0.066931	0.051666	0.059375	0.05741	0.048777
99401.5094	109772.076	105781.347	55210.8548	107832.501	121379.484	111685.265	74530.9677	110034.747	112353.573	126179.004
102575.974	113335.201	109068.318	56916.3577	111371.181	125126.646	115733.456	77079.9318	113642.039	115910.522	130305.243
2.502199	2.5022	2.502199	2.502199	2.5022	2.5022	2.5022	2.502199	2.5022	2.5022	2.5022

146338.902	161606.451	155731.299	81281.4204	158751.008	178694.876	164423.047	109724.491	161993.154	165406.93	185760.729
17805.61	20156.642	19284.674	13236.568	19492.704	19504.424	19246.584	18672.304	18520.53	18559.206	20512.93
55.642531	54.773483	54.786005	41.364275	55.377	55.410295	54.677795	55.572333	55.120625	55.235732	55.741657
18752	21564.8	20627.2	18752	20627.2	20627.2	20627.2	19689.6	19689.6	19689.6	21564.8
58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999
9695.27	10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726	11008.658	12379.91
30.490756	30.37529	30.068842	32.640002	29.432978	29.004255	29.74597	31.745147	28.897904	29.497643	29.407028
26.822925	26.77771	26.668364	27.579675	26.708534	26.354076	26.616051	27.825842	26.354994	26.433236	26.411301
274700.946	305075.774	294574.175	157259.847	294728.914	333149.455	308823.676	207804.248	300374.993	308623.557	347024.005
579095.506	501672.674	424739.835	304969.315	448954.287	602229.626	520918.133	462154.557	423640.005	416334.396	474135.476
304394.559	196596.9	130165.66	147709.468	154225.373	269080.171	212094.458	254350.309	123265.012	107710.839	127111.471
579095.506	501672.674	424739.835	304969.315	448954.287	602229.626	520918.133	462154.557	423640.005	416334.396	474135.476
303.85	343.97	327.78	225.88	332.64	332.84	328.44	318.64	316.05	316.71	350.05
	0.857357	704.130247	84.788515	18.276235			58.034329	12.489197		
	1.20084	1265.64119	199.35518	22.950165			204.908476	18.085053		
	0.016123	4.239328	1.161882	0.481578			0.718584	0.489373		
	0.032247	27.51596	3.291685	0.693759			2.24702	0.498762		
28.186395	23.957499	23.3569	15.493432	23.686196	25.751045	23.662898	13.034057	25.853438	26.676097	29.110466
19.730476	18.686849	21.23998	15.183436	18.226212	20.343326	16.800658	10.166564	16.804734	18.673268	21.25064
9695.27	10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726	11008.658	12379.91
30.297718	29.071907	29.325005	16.481812	29.852687	33.849812	31.035193	21.078327	32.082517	32.763863	33.641059
252437.39	139219.036	74873.7499	118850.754	97861.3244	205635.115	153716.57	215392.972	65749.8495	48983.6262	61157.7059
252437.39	139219.036	74873.7499	118850.754	97861.3244	205635.115	153716.57	215392.972	65749.8495	48983.6262	61157.7059
9695.27	10698.4298	10294.886	5270.88831	10507.4522	11915.134	10924.388	7080.07098	10779.2272	11008.658	12379.91
253665.558	280183.041	269153.464	140697.338	275252.904	309659.938	285509.454	190216.724	280904.77	286711.694	322132.129
		0.18	0.09	0.01			0.01			
-304394.56	-196596.9	-130165.66	-147709.47	-154225.37	-269080.17	-212094.46	-254350.31	-123265.01	-107710.84	-127111.47
-304394.56	-196598.1	-131431.3	-147908.82	-154248.32	-269080.17	-212094.46	-254555.22	-123283.1	-107710.84	-127111.47
14.87	19.47	15.75	61.01	14.94	16.73	15.31	17.25	12.14	17.79	18.15
			0.25							
71891.392	72324.319	61365.7508	41911.9144	71620.4226	84002.2573	78522.9817	64345.5166	62358.3498	67259.3635	87941.903
1.2	1.42	1.41	0.94	1.11	1.34	1.33	1	1.11	1.25	1.42
21035.388	24891.8758	24716.5809	16477.7206	19457.7339	23489.5166	23314.2217	17529.49	19457.7339	21911.8625	24891.8758
326658.115	362453.639	349866.085	186118.561	351092.962	396594.511	367201.564	246761.585	357890.155	367350.769	412977.77
326658.115	362453.639	349866.085	186118.561	351092.962	396594.511	367201.564	246761.585	357890.155	367350.769	412977.77

248914.876	274941.652	264799.617	138197.778	270122.189	303821.522	280156.504	186804.422	275635.193	281317.452	316065.973
9695.27	10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726	11008.658	12379.91
21035.388	24891.8758	24716.5809	16477.7206	19457.7339	23489.5166	23314.2217	17529.49	19457.7339	21911.8625	24891.8758
326658.115	362453.639	349866.085	186118.561	351092.962	396594.511	367201.564	246761.585	357890.155	367350.769	412977.77
4750.6823	5242.24638	5057.97698	2584.3482	5148.99154	5838.41566	5352.95012	3470.33582	5282.06574	5394.24242	6066.1559

5.4	4.8	4.2	3.15	5.25	7.65	6	2.85	4.65	2.4	1.5
0.140132	0.0914	0.080103	0.146758	0.104627	0.170739	0.143561	0.118275	0.055507	0.020447	0.021509
0.137406	0.089891	0.078096	0.141593	0.102357	0.169261	0.14071	0.117053	0.051845	0.019761	0.021114
2978.77269	685.875445	217.700116	7636.22776	1170.62105	10032.7084	5482.95638	1176.47768	153.435919	202.986756	928.472913
11.300687	2.862917	1.035836	36.566349	4.216445	32.498692	19.251089	4.992217	0.683496	0.817505	3.277803
615.58	463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88	92.96	108.78
0.02825	0.033369	0.033693	0.031	0.02659	0.028607	0.036107	0.033363	0.03622	0.027678	0.024157
9233.7	6946.8	5772.9	9515.1	7566.3	12511.8	10401.3	8259.3	3658.2	1394.4	1631.7
48918.0043	33418.2213	25529.7921	36338.3844	30472.7099	51453.7553	43028.7748	31660.7724	15530.9921	6523.79516	9259.70425
1.623848	1.44137	1.204782	0.791511	1.375925	2.046447	1.623968	0.72508	1.299243	0.731147	0.559349
587.020112	133.626616	46.861515	2002.91099	303.559126	2420.11214	1302.67281	308.4853	37.057505	32.054255	163.033006
4353.44	4980.08	4761.96	4341.12	4796.96	4787.02	4750.06	4547.06	4533.62	4573.8	5027.54
13.6045	13.532826	13.528295	13.566	13.627727	13.599488	13.494488	13.532916	13.492916	13.6125	13.661793
4480	5152	4928	4480	4928	4928	4928	4704	4704	4704	5152
14	14	14	14	14	14	14	14	14	14	14
615.58	463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88	92.96	108.78
24.930544	21.726424	18.262135	12.09879	21.647611	31.146544	24.394975	10.977244	19.799753	11.146491	8.774966
24.930544	21.726424	18.262135	12.09879	21.647611	31.146544	24.394975	10.977244	19.799753	11.146491	8.774966
49002.0043	33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921	6576.29516	9364.70425
85599.7975	50081.2538	33593.4841	87612.3624	48543.8806	81911.321	67802.1268	96662.8426	18786.7734	7747.13089	11137.187
36597.7932	16568.5324	7979.69202	51074.478	17913.6707	30205.5657	24699.852	64886.5702	3087.78126	1170.83573	1772.4828
85599.7975	50081.2538	33593.4841	87612.3624	48543.8806	81911.321	67802.1268	96662.8426	18786.7734	7747.13089	11137.187
147.57	116.46	92.01	96.22	123.21	167.59	130.22	104.94	78.24	38.24	33.79
46023.2316	32826.8459	25396.092	28901.6566	29459.5889	41673.0469	37619.3184	30599.7947	15545.5562	6373.3084	8436.23133
80625.1995	49121.9953	33335.9278	69198.0559	46678.923	64858.2423	59063.9535	92924.2207	18604.8341	7525.572	10052.9685
4.710235	4.453552	3.917698	2.850671	4.725046	6.735612	5.468352	2.639457	4.327892	2.227639	1.384069
576.445325	454.211558	381.735898	500.8126	484.182724	672.77919	606.575146	530.054313	241.409499	90.823049	97.911132
74.764426	74.656016	73.811047	58.021342	59.825004	65.234039	63.678975	58.475456	68.412056	102.35845	88.484826

17.943462	9.705282	2.214331	11.578429	11.965	30.876128	22.287641	7.601809	2.736482	2.847287	7.078786
615.58	463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88	92.96	108.78
1.923687	1.258478	1.093352	1.982312	1.433011	2.369659	1.969943	1.63875	0.725833	0.276666	0.295597
36597.7932	16568.5324	7979.69202	51074.478	17913.6707	30205.5657	24699.852	64886.5702	3087.78126	1170.83573	1772.4828
36597.7932	16568.5324	7979.69202	51074.478	17913.6707	30205.5657	24699.852	64886.5702	3087.78126	1170.83573	1772.4828
39.134674	8.908441	3.124101	133.527399	20.237275	161.340809	86.844853	20.565686	2.4705	2.13695	10.868867
2978.77269	685.875445	217.700116	7636.22776	1170.62105	10032.7084	5482.95638	1176.47768	153.435919	202.986756	928.472913
8.04	10.57	10.29	5.34	10.6	13.77	11.78	5.94	9.73	3.6	3.7
-36597.793	-16568.532	-7979.692	-51074.478	-17913.671	-30205.566	-24699.852	-64886.57	-3087.7813	-1170.8357	-1772.4828
-117222.99	-65690.528	-41315.62	-120272.53	-64592.594	-95063.808	-83763.805	-157810.79	-21692.615	-8696.4077	-11825.451
0.45	0.18	0.07	0.76	0.34	2.91	1.09	0.15	0.11	0.07	0.37
11482.284	7883.7642	5860.7402	9406.3408	8974.5452	17536.1929	13634.9563	8682.7774	3828.7422	1569.9753	2203.1364
0.08	0.09	0.08	0.19	0.15	0.24	0.07	0.11	0.16	0.05	0.1
84	94.5	84	199.5	157.5	252	73.5	115.5	168	52.5	105
49002.0043	33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921	6576.29516	9364.70425
49002.0043	33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921	6576.29516	9364.70425
48918.0043	33418.2213	25529.7921	36338.3844	30472.7099	51453.7553	43028.7748	31660.7724	15530.9921	6523.79516	9259.70425
615.58	463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88	92.96	108.78
84	94.5	84	199.5	157.5	252	73.5	115.5	168	52.5	105
49002.0043	33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921	6576.29516	9364.70425

11.183953	11.128702	11.082748	11.492773	11.109843	11.004211	11.08658	11.510795	10.939937	10.950175	10.923456
0.413152	0.397282	0.400579	0.297188	0.407849	0.473092	0.439649	0.319932	0.418746	0.399739	0.396637
0.397027	0.381134	0.38448	0.219749	0.394114	0.454069	0.422114	0.302584	0.404635	0.383795	0.376611
1148056.93	1167966.97	1009139.05	630573.956	1218631.81	1593252.14	1433168.44	888552.876	1091238.62	1144379.63	1389547.39
4397.55541	4982.72109	4802.07265	3053.98564	5108.76859	5638.56038	5367.64248	4051.79208	5022.2525	4874.16283	4966.38953
46639.598	51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024	47339.508	50877.502
0.036073	0.035899	0.034888	0.033997	0.032572	0.037833	0.035952	0.034767	0.031439	0.035495	0.032065
513131.951	563638.64	542230.736	291520.366	557930.331	639853.346	596374.428	421093.302	540488.562	511677.685	548666.499
866715.596	834247.488	757354.239	528934.271	788253.088	997376.937	902849.968	656137.882	720122.59	619482.674	662851.637
2.691649	2.612248	2.578324	2.594795	2.57299	2.651537	2.615611	2.591613	2.573126	2.526742	2.540627
624842.725	708567.665	689427.209	305549.026	694318.642	755900.639	719083	516120.672	698742.425	695765.089	758568.857
12724.2855	5686.69542	2256.29049	27706.0992	11801.904	52538.6054	33934.5202	7442.90626	3492.86398	2569.92403	7693.33766
112975.415	129424.587	123896.064	86824.018	124808.069	123995.044	124069.364	116782.169	119146.515	118281.196	128350.095

353.048171	351.697247	351.977454	271.325056	354.568377	352.258647	352.469784	347.565979	354.602723	352.027369	348.777432
117472	135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46639.598	51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024	47339.508	50877.502
232.831463	200.047035	168.606958	164.263056	186.064714	234.411552	199.920352	216.586539	165.988635	145.524475	128.654087
31.442855	30.411171	29.933351	31.198807	29.976845	30.706331	30.44553	31.140959	29.557106	28.913982	28.96954
1596878.2	1660086.43	1560693.44	904213.45	1592135.81	1888152.93	1746726.33	1259014.45	1523775.93	1410514.74	1523050.59
3071813.94	2561252.56	2117140.01	1841338.78	2313719.97	3193918.74	2793970.34	2657274.65	1977050.92	1793857.07	1968086.8
1474935.74	901166.125	556446.568	937125.328	721584.164	1305765.81	1047244	1398260.2	453274.987	383342.33	445036.213
3071813.94	2561252.56	2117140.01	1841338.78	2313719.97	3193918.74	2793970.34	2657274.65	1977050.92	1793857.07	1968086.8
1546.75	1545.85	1401.25	921.43	1491.98	1709.23	1569.94	1304.51	1326.34	1188.87	1205.09
417555.242	455166.544	514785.117	251643.621	344321.309	259850.921	279157.042	343320.557	404916.198	234853.596	98263.0854
814740.566	777207.13	793089.909	633637.919	566298.087	409107.579	452363.67	1063370.45	565556.546	324114.603	128472.138
5.766183	6.86005	14.37105	4.090623	6.544087	5.52058	5.274174	3.618693	13.475821	9.784184	4.320417
6923.73495	9957.22958	13259.8677	5106.12936	7888.44435	4854.07176	5451.21824	6916.30567	10523.7328	6108.30779	1769.77231
33.643276	29.303562	26.309028	21.078	29.101767	39.42362	33.67383	19.3701	28.639893	31.21012	32.431536
33.635001	29.264478	26.214055	21.053188	29.042522	39.295771	33.65793	19.347312	28.57197	31.100931	32.40611
46639.598	51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024	47339.508	50877.502
145.748743	139.914472	141.142619	80.670212	144.679539	166.68884	154.958261	111.078815	148.541738	140.891392	138.254081
1246683.32	641452.898	303792.561	824213.917	467141.144	1028922.93	784014.881	1212476.14	197159.341	128096.17	169197.838
1246683.32	641452.898	303792.561	824213.917	467141.144	1028922.93	784014.881	1212476.14	197159.341	128096.17	169197.838
39715.863	41531.2964	36422.3343	20708.3386	43038.7537	53820.4002	49094.0898	30406.1763	39386.2912	41231.2002	49107.7297
1148056.93	1167966.97	1009139.05	630573.956	1218631.81	1593252.14	1433168.44	888552.876	1091238.62	1144379.63	1389547.39
93.63	130.53	146.78	60.02	112.17	87.93	91.84	67.62	143.44	122.44	53.01
-1474935.7	-901166.13	-556446.57	-937125.33	-721584.16	-1305765.8	-1047244	-1398260.2	-453274.99	-383342.33	-445036.21
-2289676.3	-1678373.3	-1349536.5	-1570763.2	-1287882.3	-1714873.4	-1499607.7	-2461630.7	-1018831.5	-707456.93	-573508.35
226.22	237.19	204.84	252.46	239.46	263.96	259.82	267.76	192.36	213.46	313.9
			0.099999				0.012987			0.011857
276260.084	267909.99	226597.146	153454.236	269724.423	343637.966	312878.973	231207.16	222952.658	224603.552	279568.831
4.75	4.44	4.55	3.53	4.15	5.58	4.16	6	3.87	3.7	3.85
31625.6943	37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562	31617.3754	35577.7468
1825130.63	1919799.66	1813347.45	1017124.86	1846578.83	2164995.81	2009955.46	1444798.5	1779891.58	1665760.9	1798888.97
1825130.63	1919799.66	1813347.45	1017124.86	1846578.83	2164995.81	2009955.46	1444798.5	1779891.58	1665760.9	1798888.97
1491558.32	1542815.15	1446781.45	834483.297	1482571.73	1753277.58	1621932.97	1172258.55	1418865.01	1315247.76	1421420.49
46639.598	51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024	47339.508	50877.502

31625.6943	37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562	31617.3754	35577.7468
1825130.63	1919799.66	1813347.45	1017124.86	1846578.83	2164995.81	2009955.46	1444798.5	1779891.58	1665760.9	1798888.97
73694.1854	79911.3095	76694.6222	47158.5548	79692.52	98694.398	89976.2611	59151.8766	76636.3617	63649.6049	66052.3508
				0.08			0.01			

3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
379089.742	349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524	355529.303	709599.832
1443.29755	1485.73301	1047.63569	1419.34598	1539.52583	2304.30026	2101.45966	849.843326	1177.22314	1509.83161	2526.98588
-83556.661	-86151.038	-73873.241	-66080.237	-83590.617	-98233.595	-93358.064	-74104.534	-73018.759	-78762.654	-102805.4
83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
379089.742	349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524	355529.303	709599.832
225.33	236.82	204.55	259.43	238.86	263.03	259.03	268.11	191.91	212.4	313.66
173.896982	157.407519	125.096969	159.660579	176.123375	211.20766	198.629981	172.265722	141.493353	156.501091	204.362714
90.687398	76.768583	58.116348	89.374821	80.661941	99.707382	98.035423	87.812554	73.99316	74.849268	95.962455
24658.7484	21064.808	13648.6031	25862.8479	22238.0524	29591.288	29443.2501	27193.1895	14921.8567	18245.4332	32057.5702
-83556.661	-86151.038	-73873.241	-66080.237	-83590.617	-98233.595	-93358.064	-74104.534	-73018.759	-78762.654	-102805.4
-261.11456	-234.10608	-209.86716	-206.50074	-237.47334	-279.07271	-265.22177	-220.54921	-217.31773	-234.41266	-279.3625
-3437960.2	-2943758.1	-2289111.6	-2110988.8	-2703377.5	-4023403	-3443559.5	-2290014.5	-2251754.9	-2424226.2	-3229082.5
-41.295191	-34.19822	-30.959636	-32.02529	-32.403463	-40.925607	-36.966466	-31.070225	-30.838772	-30.785031	-31.439243
-3437960.2	-2943758.1	-2289111.6	-2110988.8	-2703377.5	-4023403	-3443559.5	-2290014.5	-2251754.9	-2424226.2	-3229082.5
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
3817049.94	3293709.55	2510061.94	2404744.58	3077729.7	4669488.77	4003849.86	2481733.77	2509511.41	2779755.49	3938682.36
83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52

3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
379089.742	349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524	355529.303	709599.832
1443.29755	1485.73301	1047.63569	1419.34598	1539.52583	2304.30026	2101.45966	849.843326	1177.22314	1509.83161	2526.98588
-83556.661	-86151.038	-73873.241	-66080.237	-83590.617	-98233.595	-93358.064	-74104.534	-73018.759	-78762.654	-102805.4
83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
379089.742	349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524	355529.303	709599.832
225.33	236.82	204.55	259.43	238.86	263.03	259.03	268.11	191.91	212.4	313.66

173.896982	157.407519	125.096969	159.660579	176.123375	211.20766	198.629981	172.265722	141.493353	156.501091	204.362714
90.687398	76.768583	58.116348	89.374821	80.661941	99.707382	98.035423	87.812554	73.99316	74.849268	95.962455
24658.7484	21064.808	13648.6031	25862.8479	22238.0524	29591.288	29443.2501	27193.1895	14921.8567	18245.4332	32057.5702
-83556.661	-86151.038	-73873.241	-66080.237	-83590.617	-98233.595	-93358.064	-74104.534	-73018.759	-78762.654	-102805.4
-261.11456	-234.10608	-209.86716	-206.50074	-237.47334	-279.07271	-265.22177	-220.54921	-217.31773	-234.41266	-279.3625
-3437960.2	-2943758.1	-2289111.6	-2110988.8	-2703377.5	-4023403	-3443559.5	-2290014.5	-2251754.9	-2424226.2	-3229082.5
-41.295191	-34.19822	-30.959636	-32.02529	-32.403463	-40.925607	-36.966466	-31.070225	-30.838772	-30.785031	-31.439243
-3437960.2	-2943758.1	-2289111.6	-2110988.8	-2703377.5	-4023403	-3443559.5	-2290014.5	-2251754.9	-2424226.2	-3229082.5
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
3817049.94	3293709.55	2510061.94	2404744.58	3077729.7	4669488.77	4003849.86	2481733.77	2509511.41	2779755.49	3938682.36
83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52

222007.604	254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407	213204.311	237617.569
853.04276	1092.25113	1251.54523	1069.9363	836.570513	546.107392	563.201404	830.531645	959.367216	912.8391	853.647782
6707.17837	7687.95574	7910.69187	6656.65329	5891.61199	4546.69231	4462.72839	5469.46144	6273.87937	6441.21786	7178.77852
276440.733	260472.249	243883.08	209762.591	185476.267	179686.019	160865.053	165709.494	192603.195	197123.133	223725.543
6707.17837	7687.95574	7910.69187	6656.65329	5891.61199	4546.69231	4462.72839	5469.46144	6273.87937	6441.21786	7178.77852
20.959932	20.891184	22.473556	20.802041	16.737534	12.916739	12.678205	16.278159	18.67226	19.170291	19.50755
54433.1286	6000.914	-17960.821	-10572.632	-9536.0901	29190.5034	13148.7437	-15329.68	-15062.212	-16081.179	-13892.026
54433.1286	6000.914	-17960.821	-10572.632	-9536.0901	29190.5034	13148.7437	-15329.68	-15062.212	-16081.179	-13892.026
6707.17837	7687.95574	7910.69187	6656.65329	5891.61199	4546.69231	4462.72839	5469.46144	6273.87937	6441.21786	7178.77852
222007.604	254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407	213204.311	237617.569
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83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
222007.604	254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407	213204.311	237617.569

222007.604	254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407	213204.311	237617.569
6707.17837	7687.95574	7910.69187	6656.65329	5891.61199	4546.69231	4462.72839	5469.46144	6273.87937	6441.21786	7178.77852
222007.604	254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407	213204.311	237617.569
222007.604	254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407	213204.311	237617.569
6707.17837	7687.95574	7910.69187	6656.65329	5891.61199	4546.69231	4462.72839	5469.46144	6273.87937	6441.21786	7178.77852
276440.733	260472.249	243883.08	209762.591	185476.267	179686.019	160865.053	165709.494	192603.195	197123.133	223725.543
54433.1286	6000.914	-17960.821	-10572.632	-9536.0901	29190.5034	13148.7437	-15329.68	-15062.212	-16081.179	-13892.026
222007.604	254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407	213204.311	237617.569
221364.947	253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852	212515.046	236796.3
850.56404	1088.81791	1249.01006	1066.88418	832.258446	545.239506	562.060313	827.299782	955.753125	909.887712	850.722472
7537.11089	8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733	7235.78639	8062.523
310616.703	292658.305	274258.732	235815.176	207837.597	202283.098	180964.076	185960.771	216235.606	221446.877	251235.846
29.597749	27.686579	27.125347	16.172444	19.170869	28.297445	27.000186	9.131424	11.688887	23.473217	27.566886
0.887932	1.661194	1.085013	7.762773	0.766834	0.848923	1.080007	0.547885	0.233777	0.469464	2.756688
7537.11089	8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733	7235.78639	8062.523
23.553471	23.47024	25.276864	23.376904	18.764491	14.534754	14.259685	18.273684	20.964039	21.535078	21.909029
89251.7565	38988.1864	12940.4352	16109.6808	13845.7792	52019.3217	33544.0211	5630.2082	9355.75375	8931.83087	14439.5452
89251.7565	38988.1864	12940.4352	16109.6808	13845.7792	52019.3217	33544.0211	5630.2082	9355.75375	8931.83087	14439.5452
7537.11089	8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733	7235.78639	8062.523
221364.947	253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852	212515.046	236796.3
-89251.757	-38988.186	-12940.435	-16109.681	-13845.779	-52019.322	-33544.021	-5630.2082	-9355.7538	-8931.8309	-14439.545
-89251.757	-38988.186	-12940.435	-16109.681	-13845.779	-52019.322	-33544.021	-5630.2082	-9355.7538	-8931.8309	-14439.545
0.15	0.28	0.38	7.52	0.29	0.11	0.34	0.61	0.2	0.1	1.09
83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
221364.947	253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852	212515.046	236796.3
221364.947	253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852	212515.046	236796.3
7537.11089	8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733	7235.78639	8062.523
221364.947	253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852	212515.046	236796.3
221364.947	253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852	212515.046	236796.3
7537.11089	8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733	7235.78639	8062.523
310616.703	292658.305	274258.732	235815.176	207837.597	202283.098	180964.076	185960.771	216235.606	221446.877	251235.846
89251.7565	38988.1864	12940.4352	16109.6808	13845.7792	52019.3217	33544.0211	5630.2082	9355.75375	8931.83087	14439.5452
221364.947	253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852	212515.046	236796.3

135800.09	177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174	122818.565	165332.674
521.316881	762.296704	806.412771	658.350517	704.517497	575.741803	644.366359	555.578256	461.271436	525.409846	593.988173
2650.7923	3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697	2397.39537	3227.26281
108555.074	117584.091	101582.508	78565.8453	100466.999	124919.114	120984.152	73884.5363	59922.8116	73127.1287	99301.3625
2650.7923	3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697	2397.39537	3227.26281
8.283725	9.404229	9.328049	8.278612	9.11529	8.86227	9.433684	7.074203	5.810407	7.135105	8.769735
-27245.015	-59710.467	-66629.842	-57150.418	-63908.678	-34893.863	-49133.104	-47885.707	-40093.362	-49691.436	-66031.311
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2650.7923	3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697	2397.39537	3227.26281
135800.09	177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174	122818.565	165332.674
27245.0154	59710.4667	66629.8416	57150.4182	63908.6784	34893.8633	49133.1044	47885.7073	40093.3623	49691.436	66031.3115
27245.0154	59710.4667	66629.8416	57150.4182	63908.6784	34893.8633	49133.1044	47885.7073	40093.3623	49691.436	66031.3115
83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
135800.09	177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174	122818.565	165332.674
135800.09	177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174	122818.565	165332.674
2650.7923	3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697	2397.39537	3227.26281
135800.09	177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174	122818.565	165332.674
135800.09	177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174	122818.565	165332.674
2650.7923	3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697	2397.39537	3227.26281
108555.074	117584.091	101582.508	78565.8453	100466.999	124919.114	120984.152	73884.5363	59922.8116	73127.1287	99301.3625
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135800.09	177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174	122818.565	165332.674

159630.332	263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089	224171.13	221373.252
615.897394	1130.16376	1239.29054	921.988637	785.401554	519.308664	538.914405	808.748461	1110.34712	959.631345	798.344684
2286.96751	3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704	3211.62077	3171.53656
98272.2876	129357.608	114822.163	79610.6925	78958.5665	76429.0375	70121.5902	72801.3228	104805.725	98259.9508	96635.4604
2286.96751	3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704	3211.62077	3171.53656
7.146773	10.242317	10.541708	8.508225	7.410553	5.793923	5.732755	7.496478	10.239634	9.558395	8.618305
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2286.96751	3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704	3211.62077	3171.53656
159630.332	263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089	224171.13	221373.252
61358.0445	133730.666	144183.388	110429.032	103115.778	65925.3474	70729.9091	103012.084	135342.364	125911.179	124737.791
61358.0445	133730.666	144183.388	110429.032	103115.778	65925.3474	70729.9091	103012.084	135342.364	125911.179	124737.791

80008.7299	86151.0384	73873.2405	65933.3643	83118.7401	95705.666	90133.5983	73492.7565	73018.7586	78614.5427	100991.253
159630.332	263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089	224171.13	221373.252
159630.332	263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089	224171.13	221373.252
2286.96751	3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704	3211.62077	3171.53656
159630.332	263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089	224171.13	221373.252
159630.332	263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089	224171.13	221373.252
2286.96751	3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704	3211.62077	3171.53656
98272.2876	129357.608	114822.163	79610.6925	78958.5665	76429.0375	70121.5902	72801.3228	104805.725	98259.9508	96635.4604
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159630.332	263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089	224171.13	221373.252
738802.973	948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522	772709.052	861119.795
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19182.0491	23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107	19286.0204	21640.1009
793884.798	800072.254	734546.482	603754.306	572739.43	583317.268	532934.871	498356.124	573567.337	589957.089	670898.211
29.597749	27.686579	27.125347	16.172444	19.170869	28.297445	27.000186	9.131424	11.688887	23.473217	27.566886
0.887932	1.661194	1.085013	7.762773	0.766834	0.848923	1.080007	0.547885	0.233777	0.469464	2.756688
19182.0491	23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107	19286.0204	21640.1009
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19182.0491	23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107	19286.0204	21640.1009
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0.15	0.28	0.38	7.52	0.29	0.11	0.34	0.61	0.2	0.1	1.09
330678.711	344604.154	295492.962	264174.076	333890.59	390406.45	370207.792	295806.359	292075.034	314902.504	409407.456
738802.973	948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522	772709.052	861119.795
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19182.0491	23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107	19286.0204	21640.1009
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19182.0491	23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107	19286.0204	21640.1009
793884.798	800072.254	734546.482	603754.306	572739.43	583317.268	532934.871	498356.124	573567.337	589957.089	670898.211
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738802.973	948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522	772709.052	861119.795
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0.397027	0.381134	0.38448	0.219749	0.394114	0.454069	0.422114	0.302584	0.404635	0.383795	0.376611
3437960.2	2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89	2424226.18	3229082.52
2265949.64	2466442.75	2180469.49	1690126.48	2328438.2	2842264.54	2599563.95	1739225.49	2103704.66	2272617.98	2960267.02
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-17735.013	-11107.578	-388.73538	-20756.719	-14349.608	-24737.216	-23992.032	-20276.884	-4398.1239	-12137.125	-30287.798
2718528.87	3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31	2854455.31	3126308.2
0.036073	0.035899	0.034888	0.033997	0.032572	0.037833	0.035952	0.034767	0.031439	0.035495	0.032065
513131.951	563638.64	542230.736	291520.366	557930.331	639853.346	596374.428	421093.302	540488.562	511677.685	548666.499
866715.596	834247.488	757354.239	528934.271	788253.088	997376.937	902849.968	656137.882	720122.59	619482.674	662851.637
2.691649	2.612248	2.578324	2.594795	2.57299	2.651537	2.615611	2.591613	2.573126	2.526742	2.540627
624842.725	708567.665	689427.209	305549.026	694318.642	755900.639	719083	516120.672	698742.425	695765.089	758568.857
12724.2855	5686.69542	2256.29049	27706.0992	11801.904	52538.6054	33934.5202	7442.90626	3492.86398	2569.92403	7693.33766
112975.415	129424.587	123896.064	86824.018	124808.069	123995.044	124069.364	116782.169	119146.515	118281.196	128350.095
353.048171	351.697247	351.977454	271.325056	354.568377	352.258647	352.469784	347.565979	354.602723	352.027369	348.777432
117472	135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46639.598	51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024	47339.508	50877.502
232.831463	200.047035	168.606958	164.263056	186.064714	234.411552	199.920352	216.586539	165.988635	145.524475	128.654087
31.442855	30.411171	29.933351	31.198807	29.976845	30.706331	30.44553	31.140959	29.557106	28.913982	28.96954
1596878.2	1660086.43	1560693.44	904213.45	1592135.81	1888152.93	1746726.33	1259014.45	1523775.93	1410514.74	1523050.59
3071813.94	2561252.56	2117140.01	1841338.78	2313719.97	3193918.74	2793970.34	2657274.65	1977050.92	1793857.07	1968086.8
83556.6605	86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586	78762.6538	102805.401
1474935.74	901166.125	556446.568	937125.328	721584.164	1305765.81	1047244	1398260.2	453274.987	383342.33	445036.213
3865698.74	3361324.81	2851686.49	2445093.08	2886459.4	3777236.01	3326905.21	3155630.77	2550618.26	2383814.16	2638985.02
1546.75	1545.85	1401.25	921.43	1491.98	1709.23	1569.94	1304.51	1326.34	1188.87	1205.09
417555.242	455166.544	514785.117	251643.621	344321.309	259850.921	279157.042	343320.557	404916.198	234853.596	98263.0854
31.183791	26.341993	24.258092	24.94488	24.776622	30.281085	27.862263	24.069355	24.202833	24.174887	24.642155
379089.742	349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524	355529.303	709599.832
225.33	236.82	204.55	259.43	238.86	263.03	259.03	268.11	191.91	212.4	313.66

173.896982	157.407519	125.096969	159.660579	176.123375	211.20766	198.629981	172.265722	141.493353	156.501091	204.362714
5.667962	4.798036	4.843029	5.585926	5.041371	6.231711	6.127213	5.488284	6.166096	6.237439	7.996871
24,659	21,065	13,649	25,863	22,238	29,591	29,443	27,193	14,922	18,245	32,058
814740.566	777207.13	793089.909	633637.919	566298.087	409107.579	452363.67	1063370.45	565556.546	324114.603	128472.138
3.96425	4.716284	8.383112	2.812303	4.499059	3.795398	3.625994	2.487851	7.860895	5.707441	2.520243
6,924	9,957	13,260	5,106	7,888	4,854	5,451	6,916	10,524	6,108	1,770
33.639145	29.295046	26.300745	21.00985	29.104339	39.366722	33.639214	19.411682	28.594278	31.127831	32.318604
33.630885	29.256179	26.206658	20.987789	29.045125	39.242294	33.623367	19.389058	28.526422	31.030028	32.293319
-17735.013	-11107.578	-388.73538	-20756.719	-14349.608	-24737.216	-23992.032	-20276.884	-4398.1239	-12137.125	-30287.798
-55.421916	-30.183637	-1.104361	-64.864745	-40.765932	-70.276182	-68.159181	-60.347868	-13.089654	-36.122397	-82.303798
-4854723.9	-5577065.4	-5191534.4	-4167346.1	-5389332.9	-6004471.2	-5723096.6	-4092591	-5090193	-5333337.3	-6376414.5
-58.092557	-64.74468	-70.295427	-63.051739	-64.491433	-61.147432	-61.338244	-55.220207	-69.722969	-67.72232	-62.038016
-4854723.9	-5577065.4	-5191534.4	-4167346.1	-5389332.9	-6004471.2	-5723096.6	-4092591	-5090193	-5333337.3	-6376414.5
58897.9121	65086.2304	60224.6374	40217.3894	61352.5641	68642.3065	63914.8143	46911.3447	58096.9019	60517.2206	70747.8306
1886859.9	2116491.26	1959519.14	1396370.66	1954086.01	2196178.8	2039273.56	1547506.26	1845948.14	1917088.68	2250667.18
4626471.49	5317352.16	4938880.39	4054434.7	5134889.87	5727628.36	5459867.47	3906806.92	4834077.4	5078091.13	6100576.09
4190820.67	4890096.52	4366740.83	3714552.6	4942943.97	5964606.52	5567794.19	3035155.69	4526277.37	5109505.83	6681703.79
			0.099999				0.012987			0.011857
690495.456	698665.182	595963.348	483708.549	687205.629	832278.01	776444.829	601118.053	588046.451	618268.71	791781.687
4.75	4.44	4.55	3.53	4.15	5.58	4.16	6	3.87	3.7	3.85
31625.6943	37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562	31617.3754	35577.7468
8720422.67	8938390.2	8043220.89	6612439.2	8275792.29	9781707.25	9050001.8	7248221.75	7640811.3	7717151.45	9015399.48
6001893.8	5812082.01	5052839.14	3893910.33	5285410.54	6791325.49	6059620.04	4393766.44	4786355.99	4862696.14	5889091.28
1491558.32	1542815.15	1446781.45	834483.297	1482571.73	1753277.58	1621932.97	1172258.55	1418865.01	1315247.76	1421420.49
65821.6471	75043.4599	73484.5051	45323.5188	69241.0084	73496.3782	69366.0326	53827.6504	68620.6347	66625.5284	72517.6029
31625.6943	37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562	31617.3754	35577.7468
6001893.8	5812082.01	5052839.14	3893910.33	5285410.54	6791325.49	6059620.04	4393766.44	4786355.99	4862696.14	5889091.28
73694.1854	79911.3095	76694.6222	47158.5548	79692.52	98694.398	89976.2611	59151.8766	76636.3617	63649.6049	66052.3508
738802.973	948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522	772709.052	861119.795
19182.0491	23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107	19286.0204	21640.1009
793884.798	800072.254	734546.482	603754.306	572739.43	583317.268	532934.871	498356.124	573567.337	589957.089	670898.211
55081.8252	-148452.03	-215833.62	-162042.4	-162714.77	-19609.385	-73170.249	-160597.26	-181142.19	-182751.96	-190221.58
738802.973	948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522	772709.052	861119.795

2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11
2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39	2772899.44	3188834.36	2911544.42	2911544.42	2911544.42
-2911544.4	-2772899.4	-3188834.4	-2911544.4	-2911544.4	-3050189.4	-2772899.4	-3188834.4	-2911544.4	-2911544.4	-2911544.4
-2911544.4	-2772899.4	-3188834.4	-2911544.4	-2911544.4	-3050189.4	-2772899.4	-3188834.4	-2911544.4	-2911544.4	-2911544.4
2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39	2772899.44	3188834.36	2911544.42	2911544.42	2911544.42
2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39	2772899.44	3188834.36	2911544.42	2911544.42	2911544.42
2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39	2772899.44	3188834.36	2911544.42	2911544.42	2911544.42
45.710143	42.601683	35.154343	31.981133	33.082043	32.823003	41.371253	37.615203	31.722093	31.916373	31.786853
21.532179	21.532159	21.532098	21.53222	21.532139	21.532301	21.532179	21.532139	21.53224	21.532159	21.532199
45.582685	42.474224	35.026884	31.853674	32.954584	32.695544	41.243794	37.487744	31.594634	31.788915	31.659394
45.680729	42.572269	35.124929	31.951719	33.052629	32.793589	41.341839	37.585789	31.692679	31.886959	31.757439
44.945394	41.836934	34.389594	31.216384	32.317294	32.058254	40.606504	36.850454	30.957344	31.151624	31.022104
45.229723	42.121264	34.673923	31.500713	32.601623	32.342583	40.890833	37.134783	31.241673	31.435953	31.306433
45.66112	42.55266	35.10532	31.93211	33.03302	32.77398	41.32223	37.56618	31.67307	31.86735	31.73783
45.700338	42.591878	35.144538	31.971328	33.072238	32.813198	41.361448	37.605398	31.712288	31.906568	31.777048

19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924
1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
45.3964	42.28794	34.8406	31.66739	32.7683	32.50926	41.05751	37.30146	31.40835	31.60263	31.47311
5.347181	5.388407	4.779903	4.289003	4.006126	3.982511	4.000259	3.997141	4.01212	4.100141	4.793813
34.307151	32.238278	27.222671	25.0663	25.77666	25.602012	31.302314	28.798018	24.870535	25.007383	24.978846
34.307151	32.238278	27.222671	25.0663	25.77666	25.602012	31.302314	28.798018	24.870535	25.007383	24.978846
0.416819	0.41682			0.41682	0.13894			0.41682		
0.017324	0.01006			0.003004	0.000126			0.014025		
0.015608	0.009472			0.002671	0.000126			0.013915		
356.436507	205.02464			300.459057				195.76799		
1.261846	0.755769			1.461194				0.701542		
118	68.2			20.2	1			105.2		
0.035446	0.027	0.024021	0.040148	0.03491	0.026221	0.026656	0.024945	0.031785	0.031011	0.037589
1639.492	947.5708			280.6588	13.894			1461.6488		
32527.3968	18799.7327			5568.24928	275.655904			28999.0012		
0.631419	0.631419			0.631419	0.210473			0.631419		
1979.52264	1144.09698			338.867435	16.775615			1764.79476		
7292.025	7005.6	8081.1	7256.475	7296.075	7712.325	7008.075	8073.45	7319.7	7325.55	7275.825
21.702455	21.8925	21.95951	21.596651	21.714508	21.910014	21.900234	21.938722	21.784821	21.802232	21.654241
7560	7200	8280	7560	7560	7920	7200	8280	7560	7560	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
118	68.2			20.2	1			105.2		
8.819657	8.809947			8.89899	3.025559			8.828815		
8.819657	8.809947			8.89899	3.025559			8.828815		
34676.237	20029.8901			5965.92031	302.55592			30909.6551		
50594.0838	25594.1696			6793.90055	314.556932			74407.2227		
15917.8468	5564.27948			827.980242	12.001012			43497.5676		

50594.0838	25594.1696			6793.90055	314.556932			74407.2227		
9.39	9.09			5.24	0.34			8.7		
34319.8005	19824.8654			5665.46125	302.55592			30713.8872		
50118.7005	25340.4386			6475.8469	314.556932			74193.6111		
0.596346	0.597913			0.588554	0.2			0.599611		
116.78582	67.501595			19.176503	1			104.533127		
293.56152	293.56152			297.957101				298.080157		
5.87123	2.935615			2.979571				5.961603		
118	68.2			20.2	1			105.2		
0.35119	0.213125			0.060119	0.00284			0.313095		
15917.8468	5564.27948			827.980242	12.001012			43497.5676		
15917.8468	5564.27948			827.980242	12.001012			43497.5676		
1.214179	0.698404			1.023496				0.666872		
356.436507	205.02464			300.459057				195.76799		
0.65	0.71			0.35	0.03			0.31		
-15917.847	-5564.2795			-827.98024	-12.001012			-43497.568		
-66036.547	-30904.718			-7303.8271	-326.55795			-117691.18		
				0.03				0.02		
1628.8498	921.4759			218.1478	15.9099			1196.5109		
0.04	0.01			0.04	0.01			0.03		
35.9776	8.9944			35.9776	8.9944			26.9832		
34676.237	20029.8901			5965.92031	302.55592			30909.6551		
34676.237	20029.8901			5965.92031	302.55592			30909.6551		
34506.9194	19943.8297			5907.11671	292.43152			30763.7959		
118	68.2			20.2	1			105.2		
35.9776	8.9944			35.9776	8.9944			26.9832		
34676.237	20029.8901			5965.92031	302.55592			30909.6551		
133.34	77.065999			22.826	1.13			118.876		

5.27464	5.74559	5.46302	5.55721	3.67341	4.80369	8.10034	6.21654	1.97799	6.12235	4.80369
0.210253	0.206196	0.163143	0.15721	0.227981	0.19765	0.313831	0.256905	0.13526	0.162417	0.094618
0.205089	0.199968	0.158152	0.154077	0.221339	0.188607	0.304156	0.249592	0.128958	0.157619	0.09116
89416.7534	69011.3695	30913.7578	13948.4184	128616.098	118346.773	203256.489	151921.033	27727.7322	70586.9724	16760.6297
316.659358	253.190238	123.471946	62.887345	603.409836	470.061444	664.63287	525.109946	116.244529	321.011389	68.425701
3996.78	3711.42	3375.6	3002.66	4313.46	3850.62	5645.14	5327.3	2513.14	3071.68	1776.54

0.025148	0.031125	0.034021	0.028154	0.035386	0.033551	0.029656	0.025244	0.038511	0.028898	0.028601
37645.6708	34957.865	31794.7764	28282.0545	40628.4797	36268.9898	53171.5737	50177.8387	23671.2657	28932.1539	16733.2303
194629.561	173844.593	151476.722	121941.464	155731.053	144480.355	215823.858	204157.44	94272.7398	122442.818	82881.1673
2.611574	2.746965	2.637435	2.533984	1.499752	2.031041	3.428109	2.646235	0.84452	2.710437	2.418679
14736.4903	11780.9653	5477.89735	2684.26078	27521.702	24482.3357	41486.5138	31010.2247	5653.88981	13870.6925	2843.24387
18997.9	17982.32	20617.84	18939.32	18798.38	19731.02	18009.58	20805.18	18737.48	18924.82	18930.62
56.541369	56.19475	56.026739	56.367023	55.947559	56.054034	56.279937	56.535815	55.766309	56.323869	56.34113
19488	18560	21344	19488	19488	20416	18560	21344	19488	19488	19488
58	58	58	58	58	58	58	58	58	58	58
3996.78	3711.42	3375.6	3002.66	4313.46	3850.62	5645.14	5327.3	2513.14	3071.68	1776.54
29.081085	30.721066	29.538001	28.601075	17.235798	23.254034	39.307575	30.230617	9.627081	30.99729	27.098226
29.081085	30.721066	29.538001	28.601075	17.235798	23.254034	39.307575	30.230617	9.627081	30.99729	27.098226
226351.53	203255.922	178328.593	145804.966	189919.526	175104.318	260762.246	246388.708	114171.353	147032.071	97111.7785
467427.804	396139.098	263394.465	198032.555	380250.02	293066.899	412106.708	386329.55	411784.5	193061.038	123423.635
241076.274	192883.176	85065.8716	52227.5885	190330.494	117962.581	151344.462	139940.842	297613.147	46028.967	26311.8567
467427.804	396139.098	263394.465	198032.555	380250.02	293066.899	412106.708	386329.55	411784.5	193061.038	123423.635
213.87	203.79	191.29	164.63	117.57	151.74	223.87	201.83	86.7	143.12	114.51
136934.777	134244.553	147414.836	131856.548	61303.4278	56757.545	57505.7564	94467.6747	86443.6212	76445.099	80351.1488
291509.939	264496.894	217093.083	179150.889	119992.079	91762.1755	84162.1565	145576.61	320309.779	100328.928	101559.962
23.678188	26.774622	29.442261	32.064544	10.465628	17.376151	19.757594	19.188081	10.628139	28.182525	26.228307
2432.23065	2460.65397	2794.0205	2717.67637	1391.5254	1251.37001	1240.58391	2034.99459	1912.87566	1599.05101	1474.6774
54.038043	52.593032	53.049906	49.349708	44.924339	47.201361	47.322674	46.952003	46.439306	49.980509	54.314533
29.688211	31.000508	27.548029	23.667799	17.493448	24.038121	40.647966	30.966005	9.271374	30.379723	24.277904
3996.78	3711.42	3375.6	3002.66	4313.46	3850.62	5645.14	5327.3	2513.14	3071.68	1776.54
11.895178	11.598187	9.172826	8.936488	12.837678	10.939261	17.641062	14.476358	7.479583	9.141904	5.287321
241076.274	192883.176	85065.8716	52227.5885	190330.494	117962.581	151344.462	139940.842	297613.147	46028.967	26311.8567
241076.274	192883.176	85065.8716	52227.5885	190330.494	117962.581	151344.462	139940.842	297613.147	46028.967	26311.8567
1564.54935	1250.76603	581.579503	284.983626	2921.9346	2599.24999	4404.55609	3292.30541	600.264339	1472.62899	301.862604
89416.7534	69011.3695	30913.7578	13948.4184	128616.098	118346.773	203256.489	151921.033	27727.7322	70586.9724	16760.6297
25.25	19.68	24.03	27.01	12.58	13.16	18.24	22.77	7.61	19.55	18.29
-241076.27	-192883.18	-85065.872	-52227.589	-190330.49	-117962.58	-151344.46	-139940.84	-297613.15	-46028.967	-26311.857
-532586.21	-457380.07	-302158.95	-231378.48	-310322.57	-209724.76	-235506.62	-285517.45	-617922.93	-146357.9	-127871.82
5.06	3.52	2.13	1.24	5.6	9.97	15.7	10.85	0.64	10.33	1.14
19249.6123	17099.1725	14152.8473	11308.7662	15741.8995	16962.0853	29403.3117	25928.438	9834.8895	11821.006	7357.9099
0.55	0.4	0.61	0.49	0.48	0.68	1.1	0.61	0.23	0.93	0.56

227.3425	165.34	252.1435	202.5415	198.408	281.078	454.685	252.1435	95.0705	384.4155	231.476
226351.53	203255.922	178328.593	145804.966	189919.526	175104.318	260762.246	246388.708	114171.353	147032.071	97111.7785
226351.53	203255.922	178328.593	145804.966	189919.526	175104.318	260762.246	246388.708	114171.353	147032.071	97111.7785
194629.561	173844.593	151476.722	121941.464	155731.053	144480.355	215823.858	204157.44	94272.7398	122442.818	82881.1673
3996.78	3711.42	3375.6	3002.66	4313.46	3850.62	5645.14	5327.3	2513.14	3071.68	1776.54
227.3425	165.34	252.1435	202.5415	198.408	281.078	454.685	252.1435	95.0705	384.4155	231.476
226351.53	203255.922	178328.593	145804.966	189919.526	175104.318	260762.246	246388.708	114171.353	147032.071	97111.7785
31494.6264	29245.9896	26599.728	23660.9608	33990.0648	30342.8856	44483.7032	41979.124	19803.5432	24204.8384	13999.1352
0.06	0.3	0.41		0.01					0.13	
10.970932	10.978275	10.952476	10.97613	11.147625	11.053228	10.825698	10.916226	11.360797	10.944039	10.95764
0.703289	0.690226	0.681979	0.667046	0.609162	0.634192	0.74238	0.698819	0.503361	0.681822	0.676053
0.680848	0.665756	0.656776	0.640432	0.590428	0.611126	0.715803	0.671573	0.485602	0.346478	0.653886
748905.686	682799.235	678947.237	498415.558	682577.599	719060.481	773531.845	828145.607	523122.72	314266.813	635830.935
2688.40497	2561.93747	2831.25899	2309.90435	3256.08193	2977.37941	2690.40533	3054.04187	2345.57552	1390.66487	2655.86812
25392.936	23647.656	26827.998	23885.568	22020.614	23877.942	25425.352	27432.414	18111.048	12922.254	24387.356
0.034315	0.035593	0.037146	0.040982	0.032886	0.036619	0.037187	0.03932	0.037857	0.033452	0.035922
274641.664	256261.393	291038.272	259470.563	241498.868	260761.891	273752.911	296807.599	202670.024	140219.638	264682.3
290370	271638.01	308649.138	274181.261	253507.87	275626.896	290231.015	314875	215348.063	148837.727	280403.493
2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049
451758.074	421524.365	478728.853	426803.129	397241.488	428927.234	450296.164	488218.819	333371.922	230647.282	435375.914
36016.17	34255.71	39330.63	35767.53	36069.45	37641.21	34199.1	39241.83	35884.08	18895.53	35956.23
107.190982	107.049093	106.876711	106.450982	107.349553	106.935255	106.872187	106.635407	106.797857	56.236696	107.012589
37296	35520	40848	37296	37296	39072	35520	40848	37296	37296	37296
111	111	111	111	111	111	111	111	111	111	111
25392.936	23647.656	26827.998	23885.568	22020.614	23877.942	25425.352	27432.414	18111.048	12922.254	24387.356
31.472298	31.518979	31.453144	31.596245	32.024742	31.727226	31.050905	31.37427	32.590045	31.402635	31.456866
31.187477	31.203542	31.13316	31.202376	31.673457	31.41254	30.793126	31.035332	32.236256	31.113368	31.150484
786288.777	734767.396	835618.198	744781.528	689897.545	747303.783	784577.45	852645.144	581486.588	401786.763	758899.825
1452609.49	1276172.59	1137281.09	911693.657	1003081.42	981040.811	1221961.28	1226167.04	987684.956	489687.253	906248.467
666320.714	541405.193	301662.896	166912.129	313183.879	233737.029	437383.825	373521.899	406198.369	87900.4894	147348.642
1452609.49	1276172.59	1137281.09	911693.657	1003081.42	981040.811	1221961.28	1226167.04	987684.956	489687.253	906248.467
324.47	308.61	354.33	322.23	324.95	339.11	308.1	353.53	323.12	170.23	323.93
31565.7207	46071.1007	148941.031	238636.04	1422.88528	21549.3413	5387.61571	16371.1566	52944.948	84730.8005	116773.38
76524.9918	103303.493	248468.131	358596.869	2539.05788	34571.8095	7964.41342	25982.5003	219951.431	129070.975	172586.515

13.083541	18.022534	29.850952	44.505572	3.440704	16.127653	10.33232	13.800852	12.47138	34.342685	29.028452
1051.16983	1527.26833	4956.30539	7943.97293	47.889531	717.237107	179.091454	542.062421	1755.3243	2816.93166	3884.97125
27.149623	25.959234	24.934271	24.283396	20.184112	23.546963	28.008365	26.726998	12.867677	24.651772	25.507137
27.14176	25.948092	24.864181	24.083147	20.181005	23.530433	28.001533	26.71468	12.851996	24.581789	25.455665
25392.936	23647.656	26827.998	23885.568	22020.614	23877.942	25425.352	27432.414	18111.048	12922.254	24387.356
75.574214	73.898925	72.902168	71.088	65.537541	67.835062	79.454225	74.544603	53.901928	38.459089	72.581416
522765.516	407457.363	149537.192	31286.8662	186952.421	97436.7886	294293.178	218380.567	300262.747	14607.6847	8999.20406
522765.516	407457.363	149537.192	31286.8662	186952.421	97436.7886	294293.178	218380.567	300262.747	14607.6847	8999.20406
24341.7662	22120.3877	21871.6926	15941.5951	21972.7245	23160.7049	25246.2605	26890.3516	16355.7237	10105.3223	20502.3847
748905.686	682799.235	678947.237	498415.558	682577.599	719060.481	773531.845	828145.607	523122.72	314266.813	635830.935
22.3	25.16	50.87	47.48	1.4	8.69	3.38	8.27	7.68	24.39	53.09
-666320.71	-541405.19	-301662.9	-166912.13	-313183.88	-233737.03	-437383.83	-373521.9	-406198.37	-87900.489	-147348.64
-742845.71	-644708.69	-550131.03	-525509	-315722.94	-268308.84	-445348.24	-399504.4	-626149.8	-216971.46	-319935.16
215.6	199.45	196.76	161.73	241.91	246.53	197.51	234.69	256.04	90.5	187.95
									0.47619	
87704.271	79863.6018	82115.4364	66847.4171	66469.3177	79717.1159	85472.284	92330.5777	70368.9826	37480.9695	75147.9528
0.73	0.74	0.97	0.97	0.74	0.84	0.71	1.02	0.68	0.35	0.79
5817.37	5897.06	7729.93	7729.93	5897.06	6693.96	5657.99	8128.38	5418.92	2789.15	6295.51
929843.975	868715.226	987743.903	880406.791	816129.003	883604.023	927668.097	1007786.48	687422.209	475079.568	897249.263
929843.975	868715.226	987743.903	880406.791	816129.003	883604.023	927668.097	1007786.48	687422.209	475079.568	897249.263
742128.073	693162.375	787377.991	700984.39	650749.358	704554.13	740527.179	803093.819	548719.985	379485.01	715779.407
25392.936	23647.656	26827.998	23885.568	22020.614	23877.942	25425.352	27432.414	18111.048	12922.254	24387.356
5817.37	5897.06	7729.93	7729.93	5897.06	6693.96	5657.99	8128.38	5418.92	2789.15	6295.51
929843.975	868715.226	987743.903	880406.791	816129.003	883604.023	927668.097	1007786.48	687422.209	475079.568	897249.263
38343.3334	35707.9606	40510.277	36067.2077	33251.1271	36055.6924	38392.2815	41422.9451	27347.6825	19512.6035	36824.9076
11.06	13.88	40.98	52.66	1.94	10.22	4.37	11.37	8.4	24.36	44.24
0.45	0.45			0.45	0.15			0.45		
0.018065	0.009281			0.001964	0.000056			0.014702		
0.016041	0.009281			0.001964	0.000056			0.014702		
9.471295	18.942591							9.471295		
0.032145	0.070544							0.034386		
16.17	8.91			1.98	0.06			14.82		
0.034583	0.032531	0.026358	0.035505	0.024851	0.038011	0.033343	0.032527	0.027351	0.026101	0.023898
242.55	133.65			29.7	0.9			222.3		

4812.17358	2651.60585			589.245744	17.855931			4410.41512		
0.631419	0.631419			0.631419	0.210473			0.631419		
292.85487	161.36901			35.85978	1.08666			268.40502		
973.14	928.77	1074.9	972.21	982.95	1015.86	927.99	1068.09	980.43	981.69	983.91
2.89625	2.902406	2.920923	2.893482	2.925446	2.885965	2.899968	2.902418	2.917946	2.921696	2.928303
1008	960	1104	1008	1008	1056	960	1104	1008	1008	1008
3	3	3	3	3	3	3	3	3	3	3
16.17	8.91			1.98	0.06			14.82		
9.471295	9.471295			9.471295	3.157098			9.471295		
9.471295	9.471295			9.471295	3.157098			9.471295		
5105.02845	2812.97486			625.105524	18.942591			4678.82014		
7082.98633	3528.44886			699.676297	19.617929			10864.6337		
1977.95788	715.473999			74.570773	0.675337			6185.81361		
7082.98633	3528.44886			699.676297	19.617929			10864.6337		
5.39	2.97			0.66	0.02			4.94		
5095.55715	2794.03227			625.105524	18.942591			4669.34884		
7069.24774	3507.35078			699.676297	19.617929			10854.4028		
0.09	0.09			0.09	0.03			0.09		
16.14	8.85			1.98	0.06			14.79		
16.17	8.91			1.98	0.06			14.82		
0.048125	0.027843			0.005892	0.00017			0.044107		
1977.95788	715.473999			74.570773	0.675337			6185.81361		
1977.95788	715.473999			74.570773	0.675337			6185.81361		
0.03	0.06							0.03		
9.471295	18.942591							9.471295		
-1977.9579	-715.474			-74.570773	-0.675337			-6185.8136		
-9047.2056	-4222.8248			-774.24707	-20.293267			-17040.216		
1483.0199	804.7734			142.7479	6.4312			1121.6475		
0.55	0.87			0.18	0.01			0.55		
5105.02845	2812.97486			625.105524	18.942591			4678.82014		
5105.02845	2812.97486			625.105524	18.942591			4678.82014		

5105.02845	2812.97486			625.105524	18.942591			4678.82014		
16.17	8.91			1.98	0.06			14.82		
5105.02845	2812.97486			625.105524	18.942591			4678.82014		
11.581178	11.570965	11.469315	11.490915		11.595136	11.278482	11.3772	12.264136	11.417021	11.42138
0.743839	0.735528	0.75599	0.738655		0.706144	0.81359	0.785719	0.519743	0.758741	0.765686
0.710218	0.699561	0.71746	0.699474		0.338528	0.776582	0.754515	0.443588	0.728242	0.726344
254297.057	239282.465	280976.607	250292.102		127329.27	261996.2	294053.909	167469.563	260234.837	259183.932
914.590816	900.555413	1180.45858	1166.41186		495.770182	915.59353	1091.70261	760.266403	1176.22367	1088.20582
10261.24	9625.96	11353.1	10106.01		5123.97	10685.78	11939.46	6408.97	10521.65	10494.22
0.04625	0.049218	0.051467	0.052678	0.05247	0.043181	0.046281	0.041195	0.050982	0.040327	0.05244
116498.005	109425.493	128584.657	114693.334		58432.3437	119958.037	134617.268	76795.8461	119221.634	118681.225
123388.248	116333.241	136459.041	121407.511		61691.4155	127080.772	142703.045	81525.7882	126245.18	125781.564
2.0965	2.0965	2.0965	2.0965		2.096499	2.0965	2.0965	2.0965	2.0965	2.0965
120750.182	113419.523	133277.997	118879.641		60565.1242	124336.505	139530.798	79598.8945	123573.224	123013.089
13779.78	13082.75	15009.58	13686.9		7251.52	13123.17	15172.12	12400.34	13865.35	13690.34
41.01125	40.883593	40.786902	40.734821		20.600909	41.009906	41.228586	36.905773	41.265922	40.745059
14448	13760	15824	14448	14448	15136	13760	15824	14448	14448	14448
43	43	43	43	43	43	43	43	43	43	43
10261.24	9625.96	11353.1	10106.01		5123.97	10685.78	11939.46	6408.97	10521.65	10494.22
25.67401	25.752442	25.476822	25.61793		25.763776	25.055411	25.221891	27.353681	25.303259	25.409384
25.272665	25.244527	25.029268	25.082903		25.305628	24.636497	24.842178	26.695332	24.926877	24.935575
257844.468	243381.695	285548.826	255337.309		129221.223	266134.846	298034.892	171135.221	263900.496	263440.825
564504.367	487876.282	451038.322	362392.772		205004.873	481271.224	499915.38	327511.213	376122.467	367814.958
306659.899	244494.587	165489.496	107055.463		75783.65	215136.378	201880.487	156375.991	112221.972	104374.133
564504.367	487876.282	451038.322	362392.772		205004.873	481271.224	499915.38	327511.213	376122.467	367814.958
320.46	304.25	349.06	318.3		168.64	305.19	352.55	288.38	322.45	318.28
26.287926	30.592831	26.866033	28.6029		26.942428	28.278599	25.706623	10.313746	27.44266	22.989817
7.09774	7.342279	7.791149	7.722783		3.77194	4.241789	7.969053	2.784711	18.386582	4.368065
10261.24	9625.96	11353.1	10106.01		5123.97	10685.78	11939.46	6408.97	10521.65	10494.22
30.539404	30.081125	30.850815	30.07741		14.556732	33.393062	32.444184	19.074315	31.314434	31.232797

245766.392	187297.882	98278.2954	47105.2571		45241.064	152434.312	131516.041	116234.803	49904.8234	42339.4568
245766.392	187297.882	98278.2954	47105.2571		45241.064	152434.312	131516.041	116234.803	49904.8234	42339.4568
10261.24	9625.96	11353.1	10106.01		5123.97	10685.78	11939.46	6408.97	10521.65	10494.22
254297.057	239282.465	280976.607	250292.102		127329.27	261996.2	294053.909	167469.563	260234.837	259183.932
-306659.9	-244494.59	-165489.5	-107055.46		-75783.65	-215136.38	-201880.49	-156375.99	-112221.97	-104374.13
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2.33	2.12	3.01	3.3		0.89	1.36	3.27	2.92	18.8	2.69
				1	0.5			0.095238		
85893.769	77874.4494	79923.733	65101.6673		41090.6808	83893.0313	91775.6943	61303.0078	69162.1892	73092.2422
0.9	1.04	1.16	1.28		0.48	1.05	1.01	0.93	0.93	1.08
3547.4112	4099.23072	4572.21888	5045.20704		1891.95264	4138.6464	3980.98368	3665.65824	3665.65824	4256.89344
318737.976	300578.4	352760.026	315287.514		159763.809	328836.912	368399.339	211276.41	326217.644	325475.501
318737.976	300578.4	352760.026	315287.514		159763.809	328836.912	368399.339	211276.41	326217.644	325475.501
244138.43	229752.764	269737.038	240287.152		122256.54	251417.277	282233.843	161124.683	249818.404	248794.654
10261.24	9625.96	11353.1	10106.01		5123.97	10685.78	11939.46	6408.97	10521.65	10494.22
3547.4112	4099.23072	4572.21888	5045.20704		1891.95264	4138.6464	3980.98368	3665.65824	3665.65824	4256.89344
318737.976	300578.4	352760.026	315287.514		159763.809	328836.912	368399.339	211276.41	326217.644	325475.501
10158.6276	9529.7004	11239.569	10004.9499		5072.7303	10578.9222	11820.0654	6344.8803	10416.4335	10389.2778
0.45	0.45			0.45	0.15			0.45		
0.016825	0.009281			0.002071	0.000064			0.014702		
0.015744	0.009281			0.001934	0.000056			0.014702		
	18.942591							9.471295		
	0.070544							0.034386		
15.87	8.91			1.95	0.06			14.82		
0.026845	0.027812	0.023695	0.024523	0.02125	0.037784	0.038812	0.020625	0.030238	0.028035	0.035595
238.05	133.65			29.25	0.9			222.3		
4722.89392	2651.60585			580.317778	17.855931			4410.41512		
0.631419	0.631419			0.631419	0.210473			0.631419		
287.42157	161.36901			35.31645	1.08666			268.40502		
980.94	933.3	1077.84	983.28	986.58	1016.1	922.74	1081.23	977.52	979.74	972.12
2.919464	2.916562	2.928913	2.926428	2.93625	2.886647	2.883562	2.938125	2.909285	2.915892	2.893214
1008	960	1104	1008	1008	1056	960	1104	1008	1008	1008
3	3	3	3	3	3	3	3	3	3	3

15.87	8.91			1.95	0.06			14.82		
9.471295	9.471295			9.471295	3.157098			9.471295		
9.471295	9.471295			9.471295	3.157098			9.471295		
5010.31549	2812.97486			615.634228	18.942591			4678.82014		
6930.28356	3528.44886			689.827179	19.617929			10864.6337		
1919.96807	715.473999			74.192951	0.675337			6185.81361		
6930.28356	3528.44886			689.827179	19.617929			10864.6337		
5.29	2.97			0.65	0.02			4.94		
5010.31549	2794.03227			615.634228	18.942591			4669.34884		
6930.28356	3507.35078			689.827179	19.617929			10854.4028		
0.09	0.09			0.09	0.03			0.09		
15.87	8.85			1.95	0.06			14.79		
15.87	8.91			1.95	0.06			14.82		
0.047232	0.027843			0.005803	0.00017			0.044107		
1919.96807	715.473999			74.192951	0.675337			6185.81361		
1919.96807	715.473999			74.192951	0.675337			6185.81361		
	0.06							0.03		
	18.942591							9.471295		
				0.04						
-1919.9681	-715.474			-74.192951	-0.675337			-6185.8136		
-8850.2516	-4222.8248			-764.02013	-20.293267			-17040.216		
1454.1957	804.7734			140.5925	6.4312			1121.6475		
0.58	0.87			0.18	0.01			0.55		
5010.31549	2812.97486			615.634228	18.942591			4678.82014		
5010.31549	2812.97486			615.634228	18.942591			4678.82014		
5010.31549	2812.97486			615.634228	18.942591			4678.82014		
15.87	8.91			1.95	0.06			14.82		
5010.31549	2812.97486			615.634228	18.942591			4678.82014		
6.371745	7.688845	5.805677	5.781778	4.995354	6.258208	10.112933	7.26287	2.729789	4.659186	3.381582
0.107757	0.121701	0.080629	0.066018	0.161586	0.120358	0.189747	0.150936	0.105296	0.061856	0.030159
0.103279	0.117075	0.077978	0.06422	0.159708	0.118806	0.184068	0.146961	0.102529	0.05988	0.029607

15490.4857	13926.5478	4954.06447	1401.01978	18431.7425	38701.0962	61796.144	35817.2851	7701.56777	11735.4275	3571.36559
55.254865	51.213324	19.8138	6.26945	85.284994	150.332904	194.707704	120.98864	31.8408	52.738876	14.536853
1735.1	1873.2	1434.8	1078.9	2683.1	2091	2945.1	2704.1	1722.5	1006	497.4
0.034895	0.03425	0.029035	0.041428	0.027946	0.026875	0.030109	0.032404	0.027217	0.029866	0.026205
24952.3	27021.6	20581.6	15428.9	38718.7	30118.2	42384.3	38900.5	24994.9	14340.8	7077
126599.426	129442.252	95277.3879	65610.1978	147533.176	119757.772	171944.857	158081.72	99092.7155	60275.6616	34773.9167
1.962906	2.275852	1.784158	1.750855	1.336052	1.738773	2.840767	2.048967	0.761115	1.345271	1.134813
3058.61845	2963.33805	1032.60888	328.768196	4778.44197	9730.40695	15230.259	8846.74158	1889.56849	2792.72052	705.586128
16153.9	15421.7	17868	16039.5	16354.2	17192.4	15488.4	17820.1	16315.3	16287.6	16390.8
48.077083	48.192812	48.554347	47.736607	48.673214	48.842045	48.40125	48.424184	48.55744	48.475	48.782142
16800	16000	18400	16800	16800	17600	16000	18400	16800	16800	16800
50	50	50	50	50	50	50	50	50	50	50
1735.1	1873.2	1434.8	1078.9	2683.1	2091	2945.1	2704.1	1722.5	1006	497.4
46.564358	57.933415	43.333833	36.061971	34.998102	42.648256	73.632112	55.393778	21.039975	28.422367	22.786186
28.032168	32.640595	25.374917	24.826082	19.197383	24.895715	40.88166	29.298731	10.967605	19.117679	16.074081
127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112	172872.673	158602.259	99507.7335	60545.8116	34883.2247
285855.533	246344.333	134711.279	86863.6293	275732.48	191341.298	253116.334	232411.963	347974.164	76082.058	41930.3438
158685.992	116404.947	39063.1468	21007.4556	127434.293	71085.186	80243.6614	73809.7041	248466.43	15536.2464	7047.11902
285855.533	246344.333	134711.279	86863.6293	275732.48	191341.298	253116.334	232411.963	347974.164	76082.058	41930.3438
238.34	261.81	210.02	143.18	194.86	222.52	308.89	278.85	135.15	115.65	85.38
111679.055	116012.838	90694.0674	64455.154	129866.444	81555.0157	111076.529	122784.973	91806.1658	48810.3842	31311.8592
252133.715	222701.028	127607.09	85081.144	242063.231	128089.605	159096.279	179967.364	325370.517	61072.0537	37397.6253
9.533516	11.668038	9.026707	8.824516	7.443487	8.253085	12.921212	10.435166	4.409095	6.459681	5.076916
1518.57564	1664.2515	1361.7719	1055.46811	2346.04657	1404.39473	1872.23044	2080.37416	1589.365	808.15611	447.254044
72.288352	69.473148	68.875828	61.316812	62.902951	65.216023	66.4433	66.714126	65.478395	61.040919	74.901841
24.493439	29.599779	18.485126	11.027462	20.744574	27.949954	45.741896	33.354405	10.476543	17.644739	8.959239
1735.1	1873.2	1434.8	1078.9	2683.1	2091	2945.1	2704.1	1722.5	1006	497.4
5.163988	5.85375	3.898913	3.211011	7.985416	5.94034	9.203437	7.348097	5.126488	2.994047	1.480357
158685.992	116404.947	39063.1468	21007.4556	127434.293	71085.186	80243.6614	73809.7041	248466.43	15536.2464	7047.11902
158685.992	116404.947	39063.1468	21007.4556	127434.293	71085.186	80243.6614	73809.7041	248466.43	15536.2464	7047.11902
216.524361	208.948499	73.028102	23.431889	337.053432	686.605265	1072.86956	623.72584	133.134996	197.843889	50.145955
15490.4857	13926.5478	4954.06447	1401.01978	18431.7425	38701.0962	61796.144	35817.2851	7701.56777	11735.4275	3571.36559
20.48	26.76	22.03	16.74	41.79	30.05	40.05	39.53	25.66	14.29	7.13
-158685.99	-116404.95	-39063.147	-21007.456	-127434.29	-71085.186	-80243.661	-73809.704	-248466.43	-15536.246	-7047.119
-410819.71	-339105.97	-166670.24	-106088.6	-369497.52	-199174.79	-239339.94	-253777.07	-573836.95	-76608.3	-44444.744

1.1	1.53	0.43	0.07	2.09	4.61	8.49	5	0.78	0.94	0.23
16671.6875	17795.138	11782.8291	7700.7237	20341.764	18903.6205	31430.1247	26713.5924	14826.5251	7044.1745	3673.146
0.5	0.28	0.28	0.21	0.51	0.28	0.79	0.2	0.13	0.32	0.12
321.176	197.006	184.52	123.823	329.847	180.358	493.557	127.638	83.589	173.422	66.594
127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112	172872.673	158602.259	99507.7335	60545.8116	34883.2247
127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112	172872.673	158602.259	99507.7335	60545.8116	34883.2247
126599.426	129442.252	95277.3879	65610.1978	147533.176	119757.772	171944.857	158081.72	99092.7155	60275.6616	34773.9167
1735.1	1873.2	1434.8	1078.9	2683.1	2091	2945.1	2704.1	1722.5	1006	497.4
321.176	197.006	184.52	123.823	329.847	180.358	493.557	127.638	83.589	173.422	66.594
127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112	172872.673	158602.259	99507.7335	60545.8116	34883.2247
248.939	300.128	186.224	122.153	435.163	317.982	434.259	392.901	331.429	96.728	42.714
	0.03	0.04								
0.45	0.45			0.45	0.15			0.45		
0.017321	0.009281			0.001858	0.000056			0.014702		
0.017321	0.009281			0.001845	0.000056			0.014702		
12.628394	25.256788							1.143537		
0.04286	0.094059							0.004151		
23.28	11.88			2.48	0.08			19.76		
0.039464	0.032718	0.025788	0.024494	0.033839	0.032414	0.039437	0.029048	0.02366	0.030565	0.024345
349.2	178.2			37.2	1.2			296.4		
6928.10148	3535.47447			738.045174	23.807908			5880.55349		
0.631419	0.631419			0.631419	0.210473			0.631419		
421.624079	215.15868			44.91528	1.44888			357.873359		
1290.96	1238.12	1434.04	1311.08	1298.52	1362.36	1229.52	1429.24	1312.2	1302.92	1311.28
3.842142	3.869125	3.896847	3.902023	3.864642	3.87034	3.84225	3.883804	3.905357	3.877738	3.902619
1344	1280	1472	1344	1344	1408	1280	1472	1344	1344	1344
4	4	4	4	4	4	4	4	4	4	4
23.28	11.88			2.48	0.08			19.76		
9.471295	9.471295			9.471295	3.157098			9.471295		
9.471295	9.471295			9.471295	3.157098			9.471295		
7349.72556	3750.63315			782.960454	25.256788			6238.42685		
10205.8424	4704.59848			873.931445	26.157239			14486.1783		
2856.1168	953.965332			90.97099	0.90045			8247.75148		
10205.8424	4704.59848			873.931445	26.157239			14486.1783		

5.82	2.97			0.62	0.02			4.94			
7337.09716	3725.37636			782.960454	25.256788			6237.28331			
10187.5242	4676.46771			873.931445	26.157239			14484.9431			
0.12	0.12			0.12	0.04			0.119721			
23.24	11.8			2.48	0.08			19.756377			
458.2177	351.899301							315.70986			
4.582177	3.518993							3.157098			
23.28	11.88			2.48	0.08			19.76			
0.069285	0.037125			0.00738	0.000227			0.058809			
2856.1168	953.965332			90.97099	0.90045			8247.75148			
2856.1168	953.965332			90.97099	0.90045			8247.75148			
0.04	0.08							0.003622			
12.628394	25.256788							1.143537			
5.78	2.94			0.61	0.02			4.93			
-2856.1168	-953.96533			-90.97099	-0.90045			-8247.7515			
-13043.641	-5630.433			-964.90244	-27.057689			-22732.695			
0.01	0.02										
1604.6392	804.7734			134.0299	6.4312			1121.6475			
0.61	0.87			0.18	0.01			0.55			
7349.72556	3750.63315			782.960454	25.256788			6238.42685			
7349.72556	3750.63315			782.960454	25.256788			6238.42685			
7349.72556	3750.63315			782.960454	25.256788			6238.42685			
23.28	11.88			2.48	0.08			19.76			
7349.72556	3750.63315			782.960454	25.256788			6238.42685			

10.430361	10.42422	10.360263	10.387272		10.473134	10.219398	10.305912	10.952298	10.326976	10.351364
0.609272	0.594676	0.594013	0.581139		0.497788	0.659928	0.620024	0.35104	0.586538	0.60565
0.573523	0.55987	0.561602	0.546652		0.278066	0.631503	0.582968	0.330008	0.553815	0.579212
306121.049	285613.089	328790.822	291865.021		156374.812	319657.197	341089.109	183414.034	296155.633	309713.694
1100.76516	1074.92297	1377.47259	1358.56533		607.924545	1107.47842	1253.02849	825.246843	1336.49969	1299.614
11292.442	10498.694	12110.842	10763.37		5735.74	11841.958	12571.608	6497.732	10904.396	11404.468
0.058809	0.060062	0.05644	0.061488	0.063898	0.05767	0.048093	0.063967	0.055119	0.057232	0.044791
114898.417	107023.457	123420.024	109845.34		58799.7018	120139.617	127881.852	68802.6232	111261.098	116277.342
121796.3	113934.731	130824.436	116001.528		62067.5257	126907.099	135934.237	73186.9563	117707.696	123200.981
2.6151	2.6151	2.6151	2.6151		2.6151	2.6151	2.6151	2.615099	2.6151	2.6151

178678.528	166432.178	191930.479	170820.488		91439.4163	186829.118	198869.068	106994.959	173022.133	180822.895
18531.664	17625.708	20347.678	18478.924		11457.472	17850.146	20185.356	18604.328	18562.722	18807.67
55.153761	55.080337	55.292603	54.996797		32.549636	55.781706	54.85151	55.370023	55.246196	55.975208
19689.6	18752	21564.8	19689.6	19689.6	20627.2	18752	21564.8	19689.6	19689.6	19689.6
58.6	58.6	58.599999	58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6
11292.442	10498.694	12110.842	10763.37		5735.74	11841.958	12571.608	6497.732	10904.396	11404.468
30.86376	30.849258	30.493944	30.524676		31.294857	29.615765	30.037495	33.829514	29.774891	30.328657
27.778881	27.757653	27.588269	27.665818		27.893498	27.226055	27.449349	29.136586	27.506986	27.571375
327398.344	307072.352	356345.66	314553.8		169784.872	340398.09	364690.814	204529.276	316565.319	331003.405
698265.146	592464.34	537603.408	426913.246		254310.062	581765.726	587829.469	443980.233	431646.375	441456.404
370866.802	285391.987	181257.748	112359.445		84525.1897	241367.637	223138.655	239450.956	115081.056	110452.999
698265.146	592464.34	537603.408	426913.246		254310.062	581765.726	587829.469	443980.233	431646.375	441456.404
316.24	300.78	347.23	315.34		195.52	304.61	344.46	317.48	316.77	320.95
	3.166855	19.514043	338.679456					16.747533	26.39469	12.415464
	7.063206	25.626003	490.435736					52.607583	48.102788	18.119281
	0.102216	0.624403	3.390512					0.356101	0.88484	0.39
	0.102216	0.645421	12.459547					0.637795	0.88484	0.39
31.145645	31.430433	30.344158	26.575615		24.699282	28.544735	28.201547	12.872554	26.816267	29.928062
21.179038	21.686999	24.275326	24.435436		15.066562	21.979446	23.125269	9.267502	26.548104	22.146766
11292.442	10498.694	12110.842	10763.37		5735.74	11841.958	12571.608	6497.732	10904.396	11404.468
33.608458	32.808418	32.909896	32.033839		16.294715	37.006118	34.161978	19.338488	32.453559	33.941869
310809.4	229450.827	116746.102	54943.2865		53790.5856	178570.659	156294.811	203487.825	56924.8804	49674.8328
310809.4	229450.827	116746.102	54943.2865		53790.5856	178570.659	156294.811	203487.825	56924.8804	49674.8328
11292.442	10498.5918	12110.1966	10750.9105		5735.74	11841.958	12571.608	6497.0942	10903.5112	11404.078
306121.049	285613.089	328790.822	291865.021		156374.812	319657.197	341089.109	183414.034	296155.633	309713.694
	0.01	0.05	0.15					0.01		0.01
-370866.8	-285391.99	-181257.75	-112359.45		-84525.19	-241367.64	-223138.65	-239450.96	-115081.06	-110453
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14.19	13.77	17	17.79		10.16	13.77	16.56	15.01	123.08	16.7
				1	0.40909					
79236.5617	72384.9028	73984.1326	61152.0518		41523.4322	78928.7939	84080.9102	64160.3104	63862.827	69717.6788
1.19	1.2	1.54	1.25		0.75	1.16	1.32	1.18	1.14	1.19
21277.2952	21456.096	27535.3232	22350.1		13410.06	20740.8928	23601.7056	21098.4944	20383.2912	21277.2952
387455.746	363013.513	420857.306	371969.959		200519.476	403195.067	431534.658	240492.407	374721.494	391781.571
387455.746	363013.513	420857.306	371969.959		200519.476	403195.067	431534.658	240492.407	374721.494	391781.571

300474.828	280366.909	322754.915	286822.015		153506.942	313736.218	334803.305	180181.916	290729.829	304023.875	
11292.442	10498.694	12110.842	10763.37		5735.74	11841.958	12571.608	6497.732	10904.396	11404.468	
21277.2952	21456.096	27535.3232	22350.1		13410.06	20740.8928	23601.7056	21098.4944	20383.2912	21277.2952	
387455.746	363013.513	420857.306	371969.959		200519.476	403195.067	431534.658	240492.407	374721.494	391781.571	
5646.221	5249.347	6055.421	5381.685		2867.87	5920.979	6285.804	3248.866	5452.198	5702.234	
		0.02	0.12						0.03	0.01	
6.15	7.05	5.1	4.05	4.8	5.55	8.4	6.45	2.4	3.45	2.1	
0.100464	0.115429	0.0734	0.055048	0.154886	0.110737	0.174693	0.137944	0.103073	0.052187	0.02473	
0.096964	0.111406	0.071304	0.054255	0.150208	0.106306	0.169468	0.135135	0.101577	0.04991	0.024077	
1993.73405	2187.61758	600.529556	140.967434	2964.65447	5557.34948	10352.8523	6038.58188	1214.82305	1550.18847	530.152643	
7.127063	8.138683	2.398407	0.635033	13.947466	21.065585	32.37718	20.39249	5.055502	7.036355	2.139199	
456.12	499.1	367.36	255.22	706.58	523.88	759.22	696.22	477.82	234.78	113.26	
0.022232	0.033687	0.031766	0.037529	0.037708	0.025	0.028406	0.031956	0.024523	0.031636	0.028988	
6841.8	7486.5	5510.4	3828.3	10598.7	7858.2	11388.3	10443.3	7167.3	3521.7	1698.9	
34655.4584	35818.5031	25615.631	16192.8756	40374.0297	31252.6185	46191.6664	42507.7328	28366.262	14776.1489	8308.0437	
1.790814	1.958145	1.477686	1.159314	1.218347	1.463688	2.267103	1.738508	0.644329	0.972944	0.6771	
384.561168	466.735166	121.356987	30.000084	751.932326	1383.91386	2549.66612	1487.90369	297.437304	366.557365	105.094024	
4599.42	4329.08	4988.34	4527.46	4526.62	4804.8	4352.74	4987.36	4588.64	4555.18	4567.64	
13.68875	13.528375	13.555271	13.474583	13.472083	13.65	13.602312	13.552608	13.656666	13.557083	13.594166	
4704	4480	5152	4704	4704	4928	4480	5152	4704	4704	4704	
14	14	14	14	14	14	14	14	14	14	14	
456.12	499.1	367.36	255.22	706.58	523.88	759.22	696.22	477.82	234.78	113.26	
27.493145	29.806067	22.40555	17.51682	18.552087	23.090526	34.647355	26.294903	9.70568	14.74742	10.197892	
27.493145	29.806067	22.40555	17.51682	18.552087	23.090526	34.647355	26.294903	9.70568	14.74742	10.197892	
34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185	46517.1664	42633.7328	28418.762	14849.6489	8329.0437	
79230.1901	68264.5199	35776.3134	21432.403	74282.3729	49419.3763	67228.4745	61997.1848	97623.1817	18493.5879	9928.96391	
44259.7317	32320.0168	10024.1825	5155.52741	33614.3431	18009.2578	20711.3081	19363.452	69204.4197	3643.93905	1599.9202	
79230.1901	68264.5199	35776.3134	21432.403	74282.3729	49419.3763	67228.4745	61997.1848	97623.1817	18493.5879	9928.96391	
144.78	148.1	110.81	78.63	118.05	130.28	162.56	143.12	78.22	60.44	42.88	
32976.7243	33756.8855	25151.6014	16135.9082	37703.3753	25852.769	36164.3141	36595.151	27203.9389	13299.4604	7798.89106	
74682.2531	64520.8131	34962.0132	21281.8265	69206.7374	40325.8217	51580.1211	53305.7009	94817.0793	16554.9124	9248.46503	
5.668363	6.387882	4.745188	3.771944	4.456884	4.877189	7.444534	5.879209	2.224901	3.140129	1.932175	
430.482588	467.984322	359.269534	253.219994	656.451178	431.619075	589.242258	597.02642	457.990846	210.342842	106.253731	
78.097589	72.951578	72.048239	66.864441	67.737831	62.697652	64.735365	63.920987	62.402626	69.717683	76.034685	

14.794683	17.508378	8.645788	4.011866	16.610385	18.809295	34.520094	24.929185	5.616236	9.688585	3.801734
456.12	499.1	367.36	255.22	706.58	523.88	759.22	696.22	477.82	234.78	113.26
1.3575	1.559687	0.99826	0.759583	2.102916	1.488295	2.372562	1.891902	1.422083	0.69875	0.337083
44259.7317	32320.0168	10024.1825	5155.52741	33614.3431	18009.2578	20711.3081	19363.452	69204.4197	3643.93905	1599.9202
44259.7317	32320.0168	10024.1825	5155.52741	33614.3431	18009.2578	20711.3081	19363.452	69204.4197	3643.93905	1599.9202
25.637411	31.115677	8.090465	2.000005	50.128821	92.260924	169.977741	99.193579	19.829153	24.437157	7.006268
1993.73405	2187.61758	600.529556	140.967434	2964.65447	5557.34948	10352.8523	6038.58188	1214.82305	1550.18847	530.152643
11.11	9.31	9.86	7.44	11.65	9.14	14.37	13.54	4.91	7.91	4.27
-44259.732	-32320.017	-10024.182	-5155.5274	-33614.343	-18009.258	-20711.308	-19363.452	-69204.42	-3643.9391	-1599.9202
-118941.98	-96840.83	-44986.196	-26437.354	-102821.08	-58335.079	-72291.429	-72669.153	-164021.5	-20198.851	-10848.385
0.39	0.52	0.16	0.09	1.13	1.5	2.59	1.96	0.12	0.54	0.09
9070.9303	9513.2083	6415.8011	3999.7003	10700.9843	9617.4009	16625.0996	14181.7231	7791.0606	3746.0296	1944.5017
0.3	0.12	0.13	0.08	0.28	0.15	0.31	0.12	0.05	0.07	0.02
315	126	136.5	84	294	157.5	325.5	126	52.5	73.5	21
34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185	46517.1664	42633.7328	28418.762	14849.6489	8329.0437
34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185	46517.1664	42633.7328	28418.762	14849.6489	8329.0437
34655.4584	35818.5031	25615.631	16192.8756	40374.0297	31252.6185	46191.6664	42507.7328	28366.262	14776.1489	8308.0437
456.12	499.1	367.36	255.22	706.58	523.88	759.22	696.22	477.82	234.78	113.26
315	126	136.5	84	294	157.5	325.5	126	52.5	73.5	21
34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185	46517.1664	42633.7328	28418.762	14849.6489	8329.0437
	0.06	0.07								

11.029005	11.04827	10.962415	10.969855	11.270874	11.110607	10.878001	10.953502	11.538505	10.905417	10.921955
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0.432183	0.425241	0.410604	0.398001	0.241195	0.318871	0.487797	0.449106	0.290937	0.313434	0.394608
1416603.3	1293088.49	1325183.02	1056063.09	832890.553	1165369.78	1630590.73	1657065.52	910866.294	954529.871	1225590.71
5084.13909	4850.94901	5534.87432	4904.67337	3960.18542	4722.53407	5605.19503	6065.26405	4085.00407	4284.17486	5128.7897
53307.938	49953.93	55469.7	49091.728	29750.364	41204.352	57302.55	60671.102	35885.81	38660.76	48673.244
0.035716	0.036204	0.033525	0.038942	0.035735	0.034927	0.035281	0.033967	0.034042	0.033363	0.033143
577947.149	543569.378	600929.729	531548.491	331821.556	452256.22	620794.739	658828.357	406304.608	417497.024	525149.996
940429.558	868649.749	848302.356	715334.838	604621.987	695211.758	978179.268	998259.175	635492.909	590285.232	655349.166
2.762326	2.747974	2.672138	2.641705	2.868495	2.733494	2.743469	2.693709	2.660144	2.613829	2.613127
754168.207	703058.06	803937.33	716503.257	397696.447	580952.172	761461.787	826618.685	522625.254	527242.639	739211.898
18179.67	15211.0385	6631.86321	3043.02906	33052.0763	35596.6565	59266.4389	41344.8699	7840.8956	17029.9704	3653.92403
118615.899	112803.058	129829.948	117962.679	86312.775	109185.067	113111.461	129863.956	117120.018	101681.102	118886.435

353.023508	352.509556	352.798771	351.079401	256.883258	310.184849	353.473315	352.891184	348.571482	302.622327	353.828675
123345.6	117472	135092.8	123345.6	123345.6	129219.2	117472	135092.8	123345.6	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
53307.938	49953.93	55469.7	49091.728	29750.364	41204.352	57302.55	60671.102	35885.81	38660.76	48673.244
228.382204	243.805065	182.701297	169.91872	140.123609	190.275533	233.309126	198.552956	171.388682	160.647864	147.277214
31.907188	31.785159	30.671746	30.373928	34.23184	31.969954	31.482247	31.018781	32.013467	29.898906	29.825958
1812164.42	1683767.73	1777241.54	1542610.65	1076772.91	1373446.12	1871262.47	1962995.55	1245754.66	1204680.11	1493668.1
3622705.73	3104616.83	2559804.88	2007328.26	1742403.63	1974563.27	3017449.74	2994650.59	2727180.92	1585092.78	1890802.77
1810541.3	1420849.1	782563.341	464717.609	665630.725	601117.145	1146187.27	1031655.04	1481426.26	380412.67	397134.67
3622705.73	3104616.83	2559804.88	2007328.26	1742403.63	1974563.27	3017449.74	2994650.59	2727180.92	1585092.78	1890802.77
1584.05	1545.34	1562.74	1342.31	762.6	1208.21	1613.22	1674.34	1252.57	1128.66	1205.93
364919.047	359226.85	412221.05	451422.329	237985.294	186080.369	210134.215	270218.956	304705.29	223312.139	236247.695
769156.655	692060.898	628155.943	644601.165	442540.387	295129.361	302802.97	404832.175	1070888.77	307074.972	320810.687
5.672133	6.865567	11.816602	14.483086	3.793193	5.017015	9.053839	8.534068	3.218004	11.352792	9.676109
5604.49453	6217.26193	9472.01274	11982.797	4467.49918	3805.82093	3881.14806	5254.45759	5870.06312	5435.36646	5913.54643
37.016284	36.679083	33.295726	29.82954	27.637818	32.665519	42.708306	37.161153	17.099864	32.139637	31.881576
36.970962	36.612079	33.229262	29.738678	27.540257	32.617131	42.580189	37.151791	17.085065	32.066064	31.775795
53307.938	49953.93	55469.7	49091.728	29750.364	41204.352	57302.55	60671.102	35885.81	38660.76	48673.244
158.654577	156.106031	150.73288	146.106333	88.54275	117.057818	179.070468	164.867125	106.803005	115.061785	144.860845
1546035.19	1173763.4	498714.79	211725.981	539399.266	403539.715	877597.581	739305.417	1299386.32	186646.541	135972.39
1546035.19	1173763.4	498714.79	211725.981	539399.266	403539.715	877597.581	739305.417	1299386.32	186646.541	135972.39
47703.4435	43736.6681	45997.6873	37108.931	25282.8648	37398.5311	53421.4019	55416.6444	30015.7469	33225.3935	42759.6976
1416603.3	1293088.49	1325183.02	1056063.09	832890.553	1165369.78	1630590.73	1657065.52	910866.294	954529.871	1225590.71
85.57	84.57	106.84	98.82	68.42	61.09	76.04	84.11	51.11	66.14	82.79
-1810541.3	-1420849.1	-782563.34	-464717.61	-665630.72	-601117.15	-1146187.3	-1031655	-1481426.3	-380412.67	-397134.67
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238.68	220.93	219.49	184.22	250.76	273.66	239.42	272.33	275.53	244.19	208.8
				0.181818	0.082644			0.008658	0.04329	
303997.536	277866.269	268374.78	216110.326	113889.484	207849.539	325752.645	335010.936	232846.229	193117.196	230933.431
5.95	6.4	4.69	4.28	2.59	3.22	5.12	4.28	4.88	3.74	3.76
31541.5725	31949.7271	40410.6356	35535.6015	6755.2926	22623.903	31811.2712	36216.8508	30441.2153	27469.4369	32148.7686
2076670.53	1930853.42	2061090.09	1795602.28	1203004.37	1571023.55	2139852.16	2255345.17	1427794.6	1398446.24	1754830.38
2076670.53	1930853.42	2061090.09	1795602.28	1203004.37	1571023.55	2139852.16	2255345.17	1427794.6	1398446.24	1754830.38
1694597.77	1571707.81	1652239.69	1431838.09	1002318.43	1276163.93	1739641.05	1824877.86	1158118.16	1117527.87	1394561.06
53307.938	49953.93	55469.7	49091.728	29750.364	41204.352	57302.55	60671.102	35885.81	38660.76	48673.244

31541.5725	31949.7271	40410.6356	35535.6015	6755.2926	22623.903	31811.2712	36216.8508	30441.2153	27469.4369	32148.7686
2076670.53	1930853.42	2061090.09	1795602.28	1203004.37	1571023.55	2139852.16	2255345.17	1427794.6	1398446.24	1754830.38
86025.0874	80110.1916	84591.219	75236.9564	67699.1809	74658.2903	99810.1449	101900.84	57195.277	59682.8014	66958.2686
11.12	14.27	41.52	52.78	1.95	10.22	4.37	11.37	8.4	24.52	44.25
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
470750.393	405501.744	345477.397	226295.084	370276.828	588590.794	613758.679	636140.868	241623.752	498600.925	367110.971
1681.47661	1510.2015	1440.21744	1049.13007	1761.95659	2438.22809	2152.78421	2348.84594	1056.12459	2251.20857	1527.67069
-93573.561	-85274.569	-87833.902	-72210.714	-70470.165	-85335.67	-91512.541	-99466.47	-75310.087	-74571.721	-80258.858
93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704	91512.5407	99466.4699	75310.0869	74571.7206	80258.8579
470750.393	405501.744	345477.397	226295.084	370276.828	588590.794	613758.679	636140.868	241623.752	498600.925	367110.971
238.35	219.7	218.56	183.8	264.8	279.82	238.66	271.27	276.27	244.72	207.37
183.663208	177.981636	154.201604	130.926358	155.88977	197.205462	213.683494	203.997515	177.436675	170.410691	158.597767
87.751385	85.069595	71.815207	59.855463	82.819472	96.358686	94.027547	92.556783	92.043775	89.190508	76.40972
25090.1486	22300.1692	18249.025	12359.2965	24824.3614	29543.4222	24628.2896	28511.4391	28790.479	22641.461	18289.7291
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-45.772161	-42.748824	-35.446431	-32.065232	-33.206844	-33.527598	-42.392926	-38.304918	-32.102161	-31.908083	-31.844067
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4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
4743292.97	4041481.24	3458948.88	2543464.28	2712143.72	3458843.81	4506319.64	4447354.14	2654267.41	2878210.83	2920005.85
93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704	91512.5407	99466.4699	75310.0869	74571.7206	80258.8579
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
470750.393	405501.744	345477.397	226295.084	370276.828	588590.794	613758.679	636140.868	241623.752	498600.925	367110.971
1681.47661	1510.2015	1440.21744	1049.13007	1761.95659	2438.22809	2152.78421	2348.84594	1056.12459	2251.20857	1527.67069
-93573.561	-85274.569	-87833.902	-72210.714	-70470.165	-85335.67	-91512.541	-99466.47	-75310.087	-74571.721	-80258.858
93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704	91512.5407	99466.4699	75310.0869	74571.7206	80258.8579
470750.393	405501.744	345477.397	226295.084	370276.828	588590.794	613758.679	636140.868	241623.752	498600.925	367110.971
238.35	219.7	218.56	183.8	264.8	279.82	238.66	271.27	276.27	244.72	207.37

183.663208	177.981636	154.201604	130.926358	155.88977	197.205462	213.683494	203.997515	177.436675	170.410691	158.597767
87.751385	85.069595	71.815207	59.855463	82.819472	96.358686	94.027547	92.556783	92.043775	89.190508	76.40972
25090.1486	22300.1692	18249.025	12359.2965	24824.3614	29543.4222	24628.2896	28511.4391	28790.479	22641.461	18289.7291
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-45.772161	-42.748824	-35.446431	-32.065232	-33.206844	-33.527598	-42.392926	-38.304918	-32.102161	-31.908083	-31.844067
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4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
4743292.97	4041481.24	3458948.88	2543464.28	2712143.72	3458843.81	4506319.64	4447354.14	2654267.41	2878210.83	2920005.85
93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704	91512.5407	99466.4699	75310.0869	74571.7206	80258.8579
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87

236042.965	232855.633	266643.445	261859.967	241734.825	204479.314	143065.017	161731.557	189618.8	217486.598	222900.165
849.726642	876.660234	1122.79196	1222.46285	1156.00384	858.001073	506.556734	605.356044	855.75661	983.699217	936.586488
6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465	4126.47871	4664.88482	5469.24718	6273.04869	6429.19426
309546.162	284518.655	269441.832	239999.048	229591.534	192329.003	169523.201	173869.445	170821.377	199399.523	203506.906
6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465	4126.47871	4664.88482	5469.24718	6273.04869	6429.19426
20.262729	20.988573	20.89918	22.478948	20.751337	16.755325	12.895245	12.676317	16.277521	18.669787	19.134506
73503.1973	51663.022	2798.38637	-21860.919	-12143.291	-12150.311	26458.1841	12137.8887	-18797.422	-18087.075	-19393.259
73503.1973	51663.022	2798.38637	-21860.919	-12143.291	-12150.311	26458.1841	12137.8887	-18797.422	-18087.075	-19393.259
6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465	4126.47871	4664.88482	5469.24718	6273.04869	6429.19426
236042.965	232855.633	266643.445	261859.967	241734.825	204479.314	143065.017	161731.557	189618.8	217486.598	222900.165
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236042.965	232855.633	266643.445	261859.967	241734.825	204479.314	143065.017	161731.557	189618.8	217486.598	222900.165

236042.965	232855.633	266643.445	261859.967	241734.825	204479.314	143065.017	161731.557	189618.8	217486.598	222900.165
6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465	4126.47871	4664.88482	5469.24718	6273.04869	6429.19426
236042.965	232855.633	266643.445	261859.967	241734.825	204479.314	143065.017	161731.557	189618.8	217486.598	222900.165
236042.965	232855.633	266643.445	261859.967	241734.825	204479.314	143065.017	161731.557	189618.8	217486.598	222900.165
6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465	4126.47871	4664.88482	5469.24718	6273.04869	6429.19426
309546.162	284518.655	269441.832	239999.048	229591.534	192329.003	169523.201	173869.445	170821.377	199399.523	203506.906
73503.1973	51663.022	2798.38637	-21860.919	-12143.291	-12150.311	26458.1841	12137.8887	-18797.422	-18087.075	-19393.259
236042.965	232855.633	266643.445	261859.967	241734.825	204479.314	143065.017	161731.557	189618.8	217486.598	222900.165
232922.891	229812.186	263105.619	258669.79	238612.593	201372.901	141404.06	159765.513	186954.048	214448.496	219902.851
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7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157	4643.81148	5246.81489	6139.70601	7042.64355	7221.7685
347779.338	319732.82	302716.877	269983.472	258041.462	215567.303	190817.995	195605.532	191657.129	223856.7	228593.108
29.061146	28.849992	25.665229	35.877676	19.887376	21.892098	27.600025	20.749338	7.428523	20.642664	22.56833
1.743668	1.442499	0.513304	1.435107	13.125668	9.632523	1.104001	0.829973	0.742852	2.270693	0.225683
7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157	4643.81148	5246.81489	6139.70601	7042.64355	7221.7685
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114856.446	89920.634	39611.258	11313.6818	19428.8693	14194.4016	49413.9348	35840.019	4703.08083	9408.2042	8690.25734
114856.446	89920.634	39611.258	11313.6818	19428.8693	14194.4016	49413.9348	35840.019	4703.08083	9408.2042	8690.25734
7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157	4643.81148	5246.81489	6139.70601	7042.64355	7221.7685
232922.891	229812.186	263105.619	258669.79	238612.593	201372.901	141404.06	159765.513	186954.048	214448.496	219902.851
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0.63	0.23	0.15	0.18	14.87	7.03	0.17	0.19	0.96	1.15	0.16
93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704	91512.5407	99466.4699	75310.0869	74571.7206	80258.8579
232922.891	229812.186	263105.619	258669.79	238612.593	201372.901	141404.06	159765.513	186954.048	214448.496	219902.851
232922.891	229812.186	263105.619	258669.79	238612.593	201372.901	141404.06	159765.513	186954.048	214448.496	219902.851
7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157	4643.81148	5246.81489	6139.70601	7042.64355	7221.7685
232922.891	229812.186	263105.619	258669.79	238612.593	201372.901	141404.06	159765.513	186954.048	214448.496	219902.851
232922.891	229812.186	263105.619	258669.79	238612.593	201372.901	141404.06	159765.513	186954.048	214448.496	219902.851
7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157	4643.81148	5246.81489	6139.70601	7042.64355	7221.7685
347779.338	319732.82	302716.877	269983.472	258041.462	215567.303	190817.995	195605.532	191657.129	223856.7	228593.108
114856.446	89920.634	39611.258	11313.6818	19428.8693	14194.4016	49413.9348	35840.019	4703.08083	9408.2042	8690.25734
232922.891	229812.186	263105.619	258669.79	238612.593	201372.901	141404.06	159765.513	186954.048	214448.496	219902.851

157530.977	136019.854	177782.426	161267.098	140453.78	165754.815	146485.203	180314.604	121903.07	100302.777	122370.937
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3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293	2859.36372	3519.70728	2379.52509	1957.89142	2388.65777
137653.239	109848.654	121458.044	97863.5924	90355.8461	105231.163	121726.152	130903.968	72986.9277	62056.2654	74720.1583
3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293	2859.36372	3519.70728	2379.52509	1957.89142	2388.65777
9.151711	8.297131	9.430107	9.36876	8.159617	9.191769	8.935511	9.564421	7.081919	5.827057	7.1091
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19877.7384	26171.2001	56324.382	63403.5053	50097.934	60523.6519	24759.051	49410.6355	48916.1427	38246.5119	47650.779
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93573.5614	85274.5688	87833.9019	72210.7142	64587.0252	82272.5831	91512.5407	99466.4699	75310.0869	67515.9855	80258.8579
157530.977	136019.854	177782.426	161267.098	140453.78	165754.815	146485.203	180314.604	121903.07	100302.777	122370.937
157530.977	136019.854	177782.426	161267.098	140453.78	165754.815	146485.203	180314.604	121903.07	100302.777	122370.937
3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293	2859.36372	3519.70728	2379.52509	1957.89142	2388.65777
157530.977	136019.854	177782.426	161267.098	140453.78	165754.815	146485.203	180314.604	121903.07	100302.777	122370.937
157530.977	136019.854	177782.426	161267.098	140453.78	165754.815	146485.203	180314.604	121903.07	100302.777	122370.937
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137653.239	109848.654	121458.044	97863.5924	90355.8461	105231.163	121726.152	130903.968	72986.9277	62056.2654	74720.1583
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157530.977	136019.854	177782.426	161267.098	140453.78	165754.815	146485.203	180314.604	121903.07	100302.777	122370.937

232316.211	165908.961	270809.879	253734.758	201216.835	189374.102	131146.79	150733.308	179950.48	245473.942	226768.259
838.391623	626.5083	1141.21561	1186.70252	963.837189	799.416513	467.364302	567.354569	814.380073	1112.25715	953.396755
3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795	1833.19527	2106.97942	2515.38272	3431.28239	3169.81072
144009.207	95305.0066	132299.658	110774.383	91521.5963	83380.8184	73177.5047	74949.1098	73011.1953	108283.148	99759.074
3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795	1833.19527	2106.97942	2515.38272	3431.28239	3169.81072
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3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795	1833.19527	2106.97942	2515.38272	3431.28239	3169.81072
232316.211	165908.961	270809.879	253734.758	201216.835	189374.102	131146.79	150733.308	179950.48	245473.942	226768.259
88307.0031	70603.9541	138510.221	142960.375	109695.238	105993.284	57969.2852	75784.1981	106939.284	137190.794	127009.185
88307.0031	70603.9541	138510.221	142960.375	109695.238	105993.284	57969.2852	75784.1981	106939.284	137190.794	127009.185

93573.5614	85274.5688	87833.9019	72210.7142	70304.6921	84873.2334	89167.8217	99466.4699	74722.0253	74571.7206	80258.8579
232316.211	165908.961	270809.879	253734.758	201216.835	189374.102	131146.79	150733.308	179950.48	245473.942	226768.259
232316.211	165908.961	270809.879	253734.758	201216.835	189374.102	131146.79	150733.308	179950.48	245473.942	226768.259
3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795	1833.19527	2106.97942	2515.38272	3431.28239	3169.81072
232316.211	165908.961	270809.879	253734.758	201216.835	189374.102	131146.79	150733.308	179950.48	245473.942	226768.259
232316.211	165908.961	270809.879	253734.758	201216.835	189374.102	131146.79	150733.308	179950.48	245473.942	226768.259
3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795	1833.19527	2106.97942	2515.38272	3431.28239	3169.81072
144009.207	95305.0066	132299.658	110774.383	91521.5963	83380.8184	73177.5047	74949.1098	73011.1953	108283.148	99759.074
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232316.211	165908.961	270809.879	253734.758	201216.835	189374.102	131146.79	150733.308	179950.48	245473.942	226768.259
858813.044	764596.633	978341.369	935531.613	822018.033	760981.133	562101.07	652544.982	678426.398	777711.813	791942.212
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20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171	13462.8492	15538.3864	16503.861	18704.866	19209.4313
938987.946	809405.135	825916.411	718620.496	669510.439	596508.288	555244.852	575328.056	508476.629	593595.637	606579.247
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1.743668	1.442499	0.513304	1.435107	13.125668	9.632523	1.104001	0.829973	0.742852	2.270693	0.225683
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0.63	0.23	0.15	0.18	14.87	7.03	0.17	0.19	0.96	1.15	0.16
374294.246	341098.275	351335.608	288842.857	275832.048	337817.157	363705.444	397865.88	300652.286	291231.147	321035.432
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20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171	13462.8492	15538.3864	16503.861	18704.866	19209.4313
858813.044	764596.633	978341.369	935531.613	822018.033	760981.133	562101.07	652544.982	678426.398	777711.813	791942.212
858813.044	764596.633	978341.369	935531.613	822018.033	760981.133	562101.07	652544.982	678426.398	777711.813	791942.212
20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171	13462.8492	15538.3864	16503.861	18704.866	19209.4313
938987.946	809405.135	825916.411	718620.496	669510.439	596508.288	555244.852	575328.056	508476.629	593595.637	606579.247
80174.9022	44808.5018	-152424.96	-216911.12	-152507.59	-164472.85	-6856.2172	-77216.926	-169949.77	-184116.18	-185362.97

858813.044	764596.633	978341.369	935531.613	822018.033	760981.133	562101.07	652544.982	678426.398	777711.813	791942.212
11.029005	11.04827	10.962415	10.969855	11.270874	11.110607	10.878001	10.953502	11.538505	10.905417	10.921955
0.449275	0.443299	0.427416	0.415929	0.343796	0.377736	0.506214	0.466825	0.306899	0.380203	0.409179
0.432183	0.425241	0.410604	0.398001	0.241195	0.318871	0.487797	0.449106	0.290937	0.313434	0.394608
4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02	3892560.96	3811213.27	2412643.65	2379609.91	2552894.87
2746166.74	2463186.87	2649001.78	2217889.78	2025185.41	2514941.71	2806450.47	2945751.37	1830916.44	2230842.61	2384643.89
9858.20156	9241.28255	11096.8869	10326.0948	9655.35098	10358.7709	9746.70919	10855.5421	8202.63914	10054.5185	9984.53728
-19485.654	-16082.907	-8777.0123	-376.49953	-20356.862	-25737.601	-20747.142	-23256.981	-22920.416	-17206.095	-12376.183
2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39	2772899.44	3188834.36	2911544.42	2911544.42	2911544.42
0.035716	0.036204	0.033525	0.038942	0.035735	0.034927	0.035281	0.033967	0.034042	0.033363	0.033143
577947.149	543569.378	600929.729	531548.491	331821.556	452256.22	620794.739	658828.357	406304.608	417497.024	525149.996
940429.558	868649.749	848302.356	715334.838	604621.987	695211.758	978179.268	998259.175	635492.909	590285.232	655349.166
2.762326	2.747974	2.672138	2.641705	2.868495	2.733494	2.743469	2.693709	2.660144	2.613829	2.613127
754168.207	703058.06	803937.33	716503.257	397696.447	580952.172	761461.787	826618.685	522625.254	527242.639	739211.898
18179.67	15211.0385	6631.86321	3043.02906	33052.0763	35596.6565	59266.4389	41344.8699	7840.8956	17029.9704	3653.92403
118615.899	112803.058	129829.948	117962.679	86312.775	109185.067	113111.461	129863.956	117120.018	101681.102	118886.435
353.023508	352.509556	352.798771	351.079401	256.883258	310.184849	353.473315	352.891184	348.571482	302.622327	353.828675
123345.6	117472	135092.8	123345.6	123345.6	129219.2	117472	135092.8	123345.6	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
53307.938	49953.93	55469.7	49091.728	29750.364	41204.352	57302.55	60671.102	35885.81	38660.76	48673.244
228.382204	243.805065	182.701297	169.91872	140.123609	190.275533	233.309126	198.552956	171.388682	160.647864	147.277214
31.907188	31.785159	30.671746	30.373928	34.23184	31.969954	31.482247	31.018781	32.013467	29.898906	29.825958
1812164.42	1683767.73	1777241.54	1542610.65	1076772.91	1373446.12	1871262.47	1962995.55	1245754.66	1204680.11	1493668.1
3622705.73	3104616.83	2559804.88	2007328.26	1742403.63	1974563.27	3017449.74	2994650.59	2727180.92	1585092.78	1890802.77
93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704	91512.5407	99466.4699	75310.0869	74571.7206	80258.8579
1810541.3	1420849.1	782563.341	464717.609	665630.725	601117.145	1146187.27	1031655.04	1481426.26	380412.67	397134.67
4561693.67	3914021.96	3385721.29	2725948.76	2411914.07	2571071.56	3572694.6	3569978.64	3235657.54	2178688.42	2497382.02
1584.05	1545.34	1562.74	1342.31	762.6	1208.21	1613.22	1674.34	1252.57	1128.66	1205.93
364919.047	359226.85	412221.05	451422.329	237985.294	186080.369	210134.215	270218.956	304705.29	223312.139	236247.695
34.307151	32.238278	27.222671	25.0663	25.77666	25.602012	31.302314	28.798018	24.870535	25.007383	24.978846
470750.393	405501.744	345477.397	226295.084	370276.828	588590.794	613758.679	636140.868	241623.752	498600.925	367110.971
238.35	219.7	218.56	183.8	264.8	279.82	238.66	271.27	276.27	244.72	207.37

183.663208	177.981636	154.201604	130.926358	155.88977	197.205462	213.683494	203.997515	177.436675	170.410691	158.597767
5.484461	5.316849	5.9846	4.987955	5.915676	6.022417	7.835628	7.713065	5.752735	7.432542	6.367476
25,090	22,300	18,249	12,359	24,824	29,543	24,628	28,511	28,790	22,641	18,290
769156.655	692060.898	628155.943	644601.165	442540.387	295129.361	302802.97	404832.175	1070888.77	307074.972	320810.687
3.899592	4.720077	6.893018	8.448467	2.438481	3.449197	5.281406	4.978206	2.212377	6.622462	5.644397
5,604	6,217	9,472	11,983	4,467	3,806	3,881	5,254	5,870	5,435	5,914
36.989703	36.67734	33.256909	29.851674	26.922948	31.825696	42.613548	37.151324	17.117761	31.851883	31.842652
36.944423	36.610397	33.190731	29.761164	26.82933	31.780436	42.486481	37.141966	17.103023	31.779764	31.737214
-19485.654	-16082.907	-8777.0123	-376.49953	-20356.862	-25737.601	-20747.142	-23256.981	-22920.416	-17206.095	-12376.183
-57.993018	-50.259085	-23.850576	-1.120534	-60.585899	-73.118185	-64.834817	-63.198319	-68.215523	-51.208614	-36.833876
-5557876.9	-5190307	-5956016	-5233898.8	-4866519.6	-5681375.5	-5794719	-6337959.1	-4194751.5	-5288624	-5513829.9
-59.362443	-60.85959	-67.824879	-72.495139	-69.052942	-66.603636	-63.346553	-63.737912	-55.687727	-70.926885	-68.716179
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68483.4128	62974.3996	69584.8769	59851.4177	45645.8037	55792.2482	66884.2511	70955.0308	46519.6079	51930.2596	61969.1288
2275416.35	2057685.12	2303524.39	1991594.7	1654908.59	1926350.92	2192691.8	2309610.51	1589292.69	1732241.68	2017532.92
5293370.79	4943221.34	5672167.46	4980907.12	4740288.18	5483798.11	5526129.35	6045609.52	4012711.58	5094857.83	5252667.59
4994964.53	4656662.18	5389488.92	4562601.04	4668024.62	5777259.54	5837085.06	6276918.21	3183446.56	5286383.78	5298967.87
				0.181818	0.082644			0.008658	0.04329	
771865.343	704239.113	707544.289	577163.897	460191.696	631002.367	780970.63	832343.285	608808.602	558920.064	632227.721
5.95	6.4	4.69	4.28	2.59	3.22	5.12	4.28	4.88	3.74	3.76
31541.5725	31949.7271	40410.6356	35535.6015	6755.2926	22623.903	31811.2712	36216.8508	30441.2153	27469.4369	32148.7686
10119570.6	9104328.99	9341737.31	7959847.51	7278433.71	8252447.1	9367413.63	9907937.78	7430409.06	7467312.37	8011211.89
7208026.16	6331429.55	6152902.95	5048303.09	4366889.29	5202257.71	6594514.19	6719103.42	4518864.65	4555767.96	5099667.47
1694597.77	1571707.81	1652239.69	1431838.09	1002318.43	1276163.93	1739641.05	1824877.86	1158118.16	1117527.87	1394561.06
74087.9073	69191.6615	79056.8896	71834.2147	50113.3029	59598.0691	70765.3992	76209.4884	52389.671	57365.626	67882.6753
31541.5725	31949.7271	40410.6356	35535.6015	6755.2926	22623.903	31811.2712	36216.8508	30441.2153	27469.4369	32148.7686
7208026.16	6331429.55	6152902.95	5048303.09	4366889.29	5202257.71	6594514.19	6719103.42	4518864.65	4555767.96	5099667.47
86025.0874	80110.1916	84591.219	75236.9564	67699.1809	74658.2903	99810.1449	101900.84	57195.277	59682.8014	66958.2686
858813.044	764596.633	978341.369	935531.613	822018.033	760981.133	562101.07	652544.982	678426.398	777711.813	791942.212
20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171	13462.8492	15538.3864	16503.861	18704.866	19209.4313
938987.946	809405.135	825916.411	718620.496	669510.439	596508.288	555244.852	575328.056	508476.629	593595.637	606579.247
80174.9022	44808.5018	-152424.96	-216911.12	-152507.59	-164472.85	-6856.2172	-77216.926	-169949.77	-184116.18	-185362.97
858813.044	764596.633	978341.369	935531.613	822018.033	760981.133	562101.07	652544.982	678426.398	777711.813	791942.212

2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10
3050189.39	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
-3050189.4	-3111193.2	-2828357.4	-3252611	-2828357.4	-3111193.2	-3111193.2	-2828357.4	-3252611	-2828357.4	-3111193.2
-3050189.4	-3111193.2	-2828357.4	-3252611	-2828357.4	-3111193.2	-3111193.2	-2828357.4	-3252611	-2828357.4	-3111193.2
3050189.39	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
3050189.39	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
3050189.39	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
32.434453	48.515813	45.214613	37.305483	33.935503	35.104683	34.829583	43.907883	39.918933	33.660403	33.866733
21.532098	21.962864	21.962924	21.962884	21.962803	21.962823	21.962864	21.962964	21.962783	21.962844	21.962844
32.306994	48.392104	45.090904	37.181774	33.811794	34.980974	34.705874	43.784174	39.795224	33.536694	33.743024
32.405039	48.487265	45.186065	37.276935	33.906955	35.076135	34.801035	43.879335	39.890385	33.631855	33.838185
31.669704	47.773561	44.472361	36.563231	33.193251	34.362431	34.087331	43.165631	39.176681	32.918151	33.124481
31.954033	48.049527	44.748327	36.839197	33.469217	34.638397	34.363297	43.441597	39.452647	33.194117	33.400447
32.38543	48.468233	45.167033	37.257903	33.887923	35.057103	34.782003	43.860303	39.871353	33.612823	33.819153
32.424648	48.506297	45.205097	37.295967	33.925987	35.095167	34.820067	43.898367	39.909417	33.650887	33.857217

19.839924	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722
1.06	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
32.12071	48.2113	44.9101	37.00097	33.63099	34.80017	34.52507	43.60337	39.61442	33.35589	33.56222
5.442074	5.684317	5.693634	5.065373	4.546216	4.248245	4.231854	4.249584	4.247476	4.260426	4.362513
25.464592	36.2815	34.081482	28.75637	26.466447	27.221071	27.036308	33.089994	30.430503	26.259234	26.405295
25.464592	36.2815	34.081482	28.75637	26.466447	27.221071	27.036308	33.089994	30.430503	26.259234	26.405295
	0.27788	0.13894	0.13894		0.27788	0.41682	0.13894	0.13894	0.83364	
	0.000202	0.000305	0.000701		0.011713	0.001222	0.000086	0.000101	0.013444	
	0.000202	0.000305	0.000652		0.010909	0.001186	0.000083	0.000096	0.012916	
			119.771793		784.755636	358.828294			1468.9449	
			0.419143		3.501325	1.233238			6.10313	
	1.6	2.2	5.4		86.4	9.4	0.6	0.8	93	
0.022897	0.026363	0.037375	0.032826	0.035562	0.030085	0.029659	0.019812	0.029891	0.035156	0.022272
	22.2304	30.5668	75.0276		1200.4416	130.6036	8.3364	11.1152	1292.142	
	449.870436	618.57185	1518.31272		24293.0036	2642.98881	168.701413	224.935218	26148.7191	
	0.429364	0.214682	0.214682		0.429364	0.644046	0.214682	0.214682	1.288093	
	27.376737	37.643014	92.396489		1478.34383	160.838333	10.266276	13.688368	1591.27287	
7738.65	7711.2	6930.9	8008.2	6943.95	7681.725	7685.1	7057.35	8032.5	6946.875	7743.6
21.984801	21.906818	21.659062	21.761413	21.699843	21.823082	21.83267	22.054218	21.827445	21.708984	21.998863
7920	7920	7200	8280	7200	7920	7920	7200	8280	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	1.6	2.2	5.4		86.4	9.4	0.6	0.8	93	
	6.233237	3.035996	3.028273		5.995267	9.092543	2.994294	3.108973	18.280928	
	6.233237	3.035996	3.028273		5.995267	9.092543	2.994294	3.108973	18.280928	
	497.435774	667.919164	1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
	513.676989	731.354914	1924.80649		67289.1292	3174.68479	214.843649	262.351448	57562.6796	
	16.241214	63.435749	289.538674		41390.8989	332.524743	35.185958	13.63356	29642.3433	

513.676989	731.354914	1924.80649		67289.1292	3174.68479	214.843649	262.351448	57562.6796	
0.1	0.61	1.43		6.42	5.42	1.34	0.18	13.2	
497.435774	667.919164	1515.49602		25113.4747	2483.33175	179.65769	248.717887	26451.3915	
513.676989	731.354914	1781.79587		64560.1127	2789.435	214.843649	262.351448	55377.6074	
0.4	0.2	0.2		0.397916	0.578497	0.2	0.2	1.180471	
1.6	2.2	5		83.779163	8.227979	0.6	0.8	88.155466	
				299.429483	325.648719			303.012935	
				2.994294	6.328131			12.120517	
1.6	2.2	5.4		86.4	9.4	0.6	0.8	93	
0.004545	0.006875	0.014673		0.245454	0.026704	0.001875	0.002173	0.290625	
16.241214	63.435749	289.538674		41390.8989	332.524743	35.185958	13.63356	29642.3433	
16.241214	63.435749	289.538674		41390.8989	332.524743	35.185958	13.63356	29642.3433	
		0.4		2.620836	1.17202			4.844533	
		119.771793		784.755636	358.828294			1468.9449	
0.05	0.04	0.08		0.33	0.19		0.02	0.52	
-16.241214	-63.435749	-289.53867		-41390.899	-332.52474	-35.185958	-13.63356	-29642.343	
-529.9182	-794.79066	-2071.3345		-105951.01	-3121.9597	-250.02961	-275.98501	-85019.951	
					0.03			0.07	
23.3948	32.3975	68.0542		927.626	123.8206	8.4382	11.8535	1096.6182	
0.02	0.01	0.02		0.03	0.03		0.01	0.08	
18.3486	9.1743	18.3486		27.5229	27.5229		9.1743	73.3944	
497.435774	667.919164	1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
497.435774	667.919164	1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
477.247174	656.214864	1610.70921		25771.3474	2803.82715	178.96769	238.623587	27739.992	
1.6	2.2	5.4		86.4	9.4	0.6	0.8	93	
18.3486	9.1743	18.3486		27.5229	27.5229		9.1743	73.3944	
497.435774	667.919164	1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
1.84	2.53	6.21		99.36	10.81	0.69	0.92	106.95	

3.67341	5.745589	6.21654	6.02816	6.21654	2.54313	4.23855	7.15844	5.463019	2.26056	4.99207
0.060892	0.27832	0.23835	0.165722	0.152435	0.150423	0.192727	0.299228	0.246888	0.145081	0.174952
0.059431	0.273323	0.232156	0.159945	0.146656	0.146761	0.18642	0.290625	0.239211	0.140906	0.171221
39615.9547	152370.989	102896.994	36916.6645	12408.5444	45159.398	65849.9996	216946.416	161403.411	52499.9457	168492.572
135.534512	527.742555	367.769102	143.546935	54.590955	208.566928	238.083114	700.163389	552.364676	225.324409	744.823205
1213.36	5580.18	4308.82	3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66

0.024715	0.023096	0.024343	0.033016	0.034968	0.030937	0.031164	0.029562	0.030815	0.030562	0.025369
11428.6378	52559.7154	40584.7756	32155.3357	25637.9529	28221.9613	35848.3372	50806.086	48090.9651	24632.7572	32925.6215
60655.2604	290734.535	222893.88	166298.461	120706.626	122475.323	156697.612	222345.595	212478.887	109574.112	152367.084
2.145008	3.108347	3.23077	3.112924	3.03805	1.164825	1.948655	3.263806	2.50265	1.076001	2.384326
6398.7824	23891.7193	16019.6377	6040.93813	2235.94644	8600.69338	12605.9772	41412.212	30651.5261	9932.29095	30725.3325
19911.4	19944.46	18108.18	20639.3	17910.98	19784.38	19779.74	18011.32	20686.28	17992.76	19898.06
56.566477	56.660397	56.588062	56.085054	55.971812	56.205625	56.192443	56.285375	56.212717	56.227375	56.528579
20416	20416	18560	21344	18560	20416	20416	18560	21344	18560	20416
58	58	58	58	58	58	58	58	58	58	58
1213.36	5580.18	4308.82	3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66
23.45741	34.226319	35.767951	34.599421	34.069695	13.194424	22.103225	37.02969	28.315732	12.076265	26.836018
23.45741	34.226319	35.767951	34.599421	34.069695	13.194424	22.103225	37.02969	28.315732	12.076265	26.836018
70373.6102	335839.5	257730.733	194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
86587.6592	550327.376	431574.511	281748.456	192953.362	464284.104	338094.453	455104.661	439616.207	420848.752	249363.97
16214.0491	214487.876	173843.778	87715.7053	50117.8048	317562.695	150472.283	188986.561	185829.988	290151.301	68541.8433
86587.6592	550327.376	431574.511	281748.456	192953.362	464284.104	338094.453	455104.661	439616.207	420848.752	249363.97
126.99	253.85	224.27	221.13	164.45	85.58	128.8	199.09	179.03	94.74	141.39
30757.6555	183468.512	154833.739	157116.086	130427.013	101562.012	121772.171	49171.6848	92382.8074	78197.5051	12329.5551
38023.706	294997.241	255535.66	227511.966	176403.637	321926.658	216050.821	77390.4191	153860.897	242196.354	16619.3872
12.747637	23.92191	28.002344	31.654392	35.941633	13.104844	19.582182	16.087472	16.699818	11.084235	6.67429
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61.549875	57.931485	56.257291	56.681189	52.432112	49.875614	49.932111	50.970055	50.064124	51.476899	53.888099
23.962813	34.751759	35.421968	33.979804	26.734509	13.437421	21.896519	38.708104	28.99692	12.352493	28.516578
1213.36	5580.18	4308.82	3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66
3.447045	15.852784	13.465062	9.276847	8.506062	8.512159	10.812386	16.85625	13.874293	8.172562	9.930852
16214.0491	214487.876	173843.778	87715.7053	50117.8048	317562.695	150472.283	188986.561	185829.988	290151.301	68541.8433
16214.0491	214487.876	173843.778	87715.7053	50117.8048	317562.695	150472.283	188986.561	185829.988	290151.301	68541.8433
679.348381	2536.54521	1700.77904	641.356633	237.386818	913.121709	1338.35622	4396.66759	3254.22296	1054.49527	3262.05887
39615.9547	152370.989	102896.994	36916.6645	12408.5444	45159.398	65849.9996	216946.416	161403.411	52499.9457	168492.572
10.75	31.17	21.8	26.09	24.84	11.48	18.29	14.04	17.19	7.02	8.69
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4.14	6.44	4.5	2.38	0.95	2.57	3.45	16.16	8.76	2.88	23.75
6040.8216	27430.1807	20403.829	14632.8923	10511.4357	11095.7133	17037.779	28509.9206	25117.9952	10503.8897	13630.1168
0.38	0.57	0.46	0.68	0.58	0.37	0.77	0.96	0.61	0.23	0.83

157.073	240.3177	193.9406	286.6948	244.5338	155.9957	324.6397	404.7456	257.1821	96.9703	349.9363
70373.6102	335839.5	257730.733	194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
70373.6102	335839.5	257730.733	194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
60655.2604	290734.535	222893.88	166298.461	120706.626	122475.323	156697.612	222345.595	212478.887	109574.112	152367.084
1213.36	5580.18	4308.82	3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66
157.073	240.3177	193.9406	286.6948	244.5338	155.9957	324.6397	404.7456	257.1821	96.9703	349.9363
70373.6102	335839.5	257730.733	194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
9561.2768	44864.6472	34642.9128	27447.5952	21884.3976	24090.0912	30599.9184	43367.76	41050.1496	21026.3688	28105.1064
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10.926814	10.919969	10.934539	10.942274	10.921347	11.279792	11.098683	10.885814	10.98387	11.307455	
0.700103	0.732755	0.712549	0.696704	0.691572	0.543172	0.617565	0.717318	0.674456	0.527872	
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802797.646	837603.067	731857.584	728461.155	517117.86	581750.526	681083.528	769762.262	832111.228	407448.001	
2815.4597	2959.24935	2693.01295	2985.62705	2340.10317	2725.7945	2737.55797	2628.53407	3034.64967	1744.94262	
26500.862	27562.314	24416.374	27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
0.032301	0.038295	0.035656	0.035815	0.036468	0.03463	0.035767	0.037687	0.03557	0.042093	0.035596
286880.762	297132.373	263866.691	297731.677	256846.453	227596.682	254622.669	264578.031	289081.747	150305.935	
305159.195	324565.056	288435.573	324565.838	279593.957	247899.512	276378.191	287328.882	313954.467	164534.412	
2.7049	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	
471890.166	504114.784	447676.229	505131.563	435765.691	386140.531	431992.82	448883.088	490456.092	255009.049	
37809.93	37575.72	34253.49	39385.02	34224.63	37718.91	37674.51	34181.34	39395.01	25563.3	
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39072	39072	35520	40848	35520	39072	39072	35520	40848	35520	39072
111	111	111	111	111	111	111	111	111	111	111
26500.862	27562.314	24416.374	27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
31.347124	32.273751	32.298738	32.331285	32.308943	33.345112	32.805634	32.159199	32.482302	33.482376	
31.061715	31.96684	32.006899	32.032445	31.975559	32.97217	32.473747	31.88061	32.153828	33.046343	
823361.173	877790.763	779646.458	878784.682	758377.416	671808.699	750921.509	780121.249	853050.98	445058.468	
990009.494	1629326.68	1355155.32	1237185.17	958664.947	1125901.52	1042624.56	1279698.14	1318358.75	735857.597	
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29.514743	29.900194	28.406735	25.87794	25.361169	16.214547	22.920469	28.258695	26.565082	14.377247	
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26500.862	27562.314	24416.374	27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
75.286539	78.302028	76.301168	74.712451	74.097743	58.278068	66.049767	76.566556	72.346309	42.20935	
16695.747	596224.83	437585.744	202776.14	66033.8897	335128.04	158611.784	361281.956	314204.738	212234.217	
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26027.1664	26484.9127	23068.3854	22859.6399	16126.3474	17803.4488	21203.8545	24365.3749	26193.708	12451.0564	
802797.646	837603.067	731857.584	728461.155	517117.86	581750.526	681083.528	769762.262	832111.228	407448.001	
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283.26	205.46	193.74	194.95	147.11	254.68	230.28	203.31	243.52	176.98	
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94684.1324	93076.3979	81409.2183	83915.3136	65827.0469	70409.994	81939.6071	87075.3451	94718.9661	52270.8695	
0.79	0.82	0.73	0.83	0.8	0.76	0.83	0.76	0.94	0.58	
6295.51	6664.96	5933.44	6746.24	6502.4	6177.28	6746.24	6177.28	7640.32	4714.24	
973313.748	1033101.85	917569.578	1034409.03	892631.057	790773.484	884012.778	918416.185	1004154.01	523623.38	
973313.748	1033101.85	917569.578	1034409.03	892631.057	790773.484	884012.778	918416.185	1004154.01	523623.38	
777049.361	828679.84	736111.802	829697.401	715359.648	634040.043	708371.011	736211.97	804410.559	419543.46	
26500.862	27562.314	24416.374	27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
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973313.748	1033101.85	917569.578	1034409.03	892631.057	790773.484	884012.778	918416.185	1004154.01	523623.38	
40016.3016	42445.9636	37601.216	42341.0403	36515.3681	31591.3752	35804.2577	37731.9989	41000.1007	20800.7677	
12.18	8.73	12.01	38.5	52.8	13.49	20.7	3.86	8.7	6.54	
	0.3	0.15	0.15		0.3	0.45	0.15	0.15	0.9	
	0.000113	0.00025	0.00057		0.012255	0.000738	0.000125	0.000056	0.013552	
	0.000113	0.00025	0.00057		0.012017	0.000738	0.000125	0.000054	0.013218	
			8.466527		94.78208	19.3214			84.103468	
			0.029516		0.422907	0.066409			0.347883	
	0.12	0.24	0.63		12.69	0.78	0.12	0.06	12.69	
0.028607	0.032329	0.0235	0.034918	0.025562	0.033125	0.029687	0.041312	0.025978	0.037718	0.015852
	1.8	3.6	9.45		190.35	11.7	1.8	0.9	190.35	

	36.4261	72.852201	191.237027		3852.06013	236.769653	36.4261	18.21305	3852.06013	
	0.429364	0.214682	0.214682		0.429364	0.644046	0.214682	0.214682	1.288093	
	2.2167	4.4334	11.637675		234.416024	14.40855	2.2167	1.10835	234.416024	
1025.79	1021.86	937.44	1065.45	935.46	1021.02	1024.65	920.34	1075.32	923.79	1039.26
2.914176	2.903011	2.9295	2.895244	2.923312	2.900625	2.910937	2.876062	2.922065	2.886843	2.952443
1056	1056	960	1104	960	1056	1056	960	1104	960	1056
3	3	3	3	3	3	3	3	3	3	3
	0.12	0.24	0.63		12.69	0.78	0.12	0.06	12.69	
	6.440466	3.220233	3.220233		6.440466	9.6607	3.220233	3.220233	19.3214	
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	38.6428	77.285601	202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
	40.358991	81.526732	232.211582		10564.155	279.495902	42.917994	20.699826	8299.20928	
	1.71619	4.241131	29.33688		6477.67881	28.317698	4.275193	1.378426	4212.73312	
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	0.04	0.08	0.21		4.23	0.26	0.04	0.02	4.23	
	38.6428	77.285601	194.408175		3991.69408	231.856803	38.6428	19.3214	4002.37269	
	40.358991	81.526732	222.363048		10243.2317	258.406951	42.917994	20.699826	8165.30138	
	0.06	0.03	0.028748		0.059926	0.09	0.03	0.03	0.179928	
	0.12	0.24	0.603708		12.395667	0.72	0.12	0.06	12.428828	
			322.023337		322.023337				322.023337	
			3.220233		3.220233				3.220233	
	0.12	0.24	0.63		12.69	0.78	0.12	0.06	12.69	
	0.00034	0.00075	0.001711		0.036051	0.002215	0.000375	0.000163	0.039656	
	1.71619	4.241131	29.33688		6477.67881	28.317698	4.275193	1.378426	4212.73312	
	1.71619	4.241131	29.33688		6477.67881	28.317698	4.275193	1.378426	4212.73312	
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			8.466527		94.78208	19.3214			84.103468	
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	-42.075181	-85.767864	-251.69993		-16720.911	-286.72465	-47.193187	-22.078252	-12378.034	
	11.5503	23.722	53.584		912.518	67.8892	11.8118	5.9601	997.6633	
	0.02	0.04	0.1		0.34	0.12	0.02	0.02	0.64	
	38.6428	77.285601	202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
	38.6428	77.285601	202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	

	38.6428	77.285601	202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
	0.12	0.24	0.63		12.69	0.78	0.12	0.06	12.69	
	38.6428	77.285601	202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
11.359259	11.474796	11.483099	11.455733	11.418527	12.101973	11.694705	11.369984	11.478553	12.165785	11.473323
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0.682416	0.741995	0.722861	0.731411	0.729711	0.314141	0.646065	0.757683	0.721105	0.484612	0.709428
254356.729	282815.247	250659.814	291532.746	252462.183	124598.696	249584.917	261415.411	287534.017	175960.684	271057.708
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116302.504	126791.539	112524.921	130917.753	113476.419	56030.1675	112339.473	117472.156	129299.76	79083.0306	121944.918
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2.0965	2.1391	2.1391	2.1391	2.1391	2.1391	2.1391	2.1391	2.1391	2.139099	2.1391
120547.546	133017.003	118049.894	137345.815	119048.111	58781.2487	117855.341	123240.039	135648.379	82966.0074	127932.414
13124.46	14437.68	13045.34	15103.32	13111.99	8499.81	14422.2	13194.12	15102.46	12346.59	14427.79
37.285397	41.016136	40.766687	41.04163	40.974968	24.147187	40.972159	41.231625	41.039293	38.583093	40.988039
15136	15136	13760	15824	13760	15136	15136	13760	15824	13760	15136
43	43	43	43	43	43	43	43	43	43	43
10329.05	11230.84	9946.57	11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
25.174285	25.968217	26.067941	25.923916	25.940521	27.609742	26.632723	25.775214	26.034763	27.680023	25.980279
24.800161	25.542795	25.560593	25.507227	25.429938	26.88636	26.023857	25.329602	25.56517	27.022158	25.553686
257628.23	286996.462	254881.233	295673.757	256965.03	127412.975	254570.211	265476.014	292036.864	179860.471	275198.719
363965.668	631406.792	522790.939	491619.54	380292.38	253421.541	416133.938	510073.148	523339.067	346673.89	411631.821
106337.438	344410.33	267909.706	195945.782	123327.35	126008.566	161563.726	244597.135	231302.203	166813.419	136433.102
363965.668	631406.792	522790.939	491619.54	380292.38	253421.541	416133.938	510073.148	523339.067	346673.89	411631.821
305.22	335.76	303.38	351.24	304.93	197.67	335.4	306.84	350.94	287.13	335.53
31.653307	29.528881	35.034951	31.019626	28.707275	19.695805	21.512992	27.047515	31.093832	11.551578	28.805382
6.647194	6.496353	7.707689	6.203925	5.167309	2.166538	6.884157	3.786652	5.596889	5.19821	27.077059
10329.05	11230.84	9946.57	11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
29.343892	31.905795	31.083031	31.450679	31.377593	13.508096	27.780823	32.580406	31.007527	20.838343	30.505426

45546.1188	278136.393	209092.929	127515.073	64013.2257	96721.597	102843.884	183194.438	163717.218	125476.719	72692.4931
45546.1188	278136.393	209092.929	127515.073	64013.2257	96721.597	102843.884	183194.438	163717.218	125476.719	72692.4931
10329.05	11230.84	9946.57	11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
254356.729	282815.247	250659.814	291532.746	252462.183	124598.696	249584.917	261415.411	287534.017	175960.684	271057.708
-106337.44	-344410.33	-267909.71	-195945.78	-123327.35	-126008.57	-161563.73	-244597.13	-231302.2	-166813.42	-136433.1
-106337.44	-344410.33	-267909.71	-195945.78	-123327.35	-126008.57	-161563.73	-244597.13	-231302.2	-166813.42	-136433.1
1.39	2.28	2.12	2.43	1.6	0.78	3.45	1.36	2.11	11.36	42.43
0.090909					0.40909				0.049999	
83237.7492	91371.8928	78980.9835	82121.9494	64024.5956	39512.8974	79859.1115	86131.8859	92934.8308	62044.8583	72951.124
0.83	1.04	1.05	1.03	1.12	0.7	1.24	1.01	1.12	0.97	1.03
3271.50144	4181.21496	4221.41895	4141.01097	4502.84688	2814.2793	4985.29476	4060.60299	4502.84688	3899.78703	4141.01097
318419.549	353270.399	313698.009	364104.467	316279.154	156699.944	313290.054	326878.71	359621.849	221197.171	338939.328
318419.549	353270.399	313698.009	364104.467	316279.154	156699.944	313290.054	326878.71	359621.849	221197.171	338939.328
244130.969	271584.407	240713.244	279958.896	242421.353	119843.846	239806.067	250989.681	276123.247	169292.414	260319.798
10329.05	11230.84	9946.57	11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
3271.50144	4181.21496	4221.41895	4141.01097	4502.84688	2814.2793	4985.29476	4060.60299	4502.84688	3899.78703	4141.01097
318419.549	353270.399	313698.009	364104.467	316279.154	156699.944	313290.054	326878.71	359621.849	221197.171	338939.328
10225.7595	11230.84	9946.57	11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
	0.45	0.15	0.15		0.3	0.45	0.15		0.9	
	0.000142	0.00025	0.00057		0.012301	0.000741	0.000125		0.013374	
	0.000142	0.00025	0.00057		0.012301	0.000738	0.000125		0.013218	
					79.901142	19.3214			94.051365	
					0.35646	0.066409			0.389181	
	0.15	0.24	0.63		12.99	0.78	0.12		12.69	
0.029659	0.034289	0.028562	0.018722	0.028343	0.020568	0.034261	0.046062	0.020543	0.024468	0.034829
	2.25	3.6	9.45		194.85	11.7	1.8		190.35	
	45.532625	72.852201	191.237027		3943.12538	236.769653	36.4261		3852.06013	
	0.644046	0.214682	0.214682		0.429364	0.644046	0.214682		1.288093	
	2.770875	4.4334	11.637675		239.957774	14.40855	2.2167		234.416024	
1024.68	1019.79	932.58	1083.33	932.79	1034.28	1019.82	915.78	1081.32	936.51	1019.22
2.911022	2.89713	2.914312	2.943831	2.914968	2.938295	2.897215	2.861812	2.938369	2.926593	2.895511
1056	1056	960	1104	960	1056	1056	960	1104	960	1056
3	3	3	3	3	3	3	3	3	3	3

	0.15	0.24	0.63	12.99	0.78	0.12	12.69		
	9.6607	3.220233	3.220233	6.440466	9.6607	3.220233	19.3214		
	9.6607	3.220233	3.220233	6.440466	9.6607	3.220233	19.3214		
	48.3035	77.285601	202.874702	4183.08316	251.178203	38.6428	4086.47616		
	50.041936	81.526732	232.211582	10687.9983	279.495902	42.917994	8299.64112		
	1.738435	4.241131	29.33688	6504.91511	28.317698	4.275193	4213.16496		
	50.041936	81.526732	232.211582	10687.9983	279.495902	42.917994	8299.64112		
	0.05	0.08	0.21	4.33	0.26	0.04	4.23		
	48.3035	77.285601	202.874702	4103.18202	231.856803	38.6428	3992.42479		
	50.041936	81.526732	232.211582	10420.0662	258.406951	42.917994	8178.30109		
	0.09	0.03	0.03	0.059885	0.09	0.03	0.179925		
	0.15	0.24	0.63	12.741877	0.72	0.12	12.397936		
				322.023337			322.023337		
				3.220233			3.220233		
	0.15	0.24	0.63	12.99	0.78	0.12	12.69		
	0.000426	0.00075	0.001711	0.036903	0.002215	0.000375	0.039656		
	1.738435	4.241131	29.33688	6504.91511	28.317698	4.275193	4213.16496		
	1.738435	4.241131	29.33688	6504.91511	28.317698	4.275193	4213.16496		
				0.248122	0.06		0.292063		
				79.901142	19.3214		94.051365		
							0.27		
	-1.738435	-4.241131	-29.33688	-6504.9151	-28.317698	-4.275193	-4213.165		
	-51.780371	-85.767864	-261.54846	-16924.981	-286.72465	-47.193187	-12391.466		
	14.5367	23.722	53.584	933.27	67.8892	11.8118	998.0492		
	0.03	0.04	0.1	0.36	0.12	0.02	0.64		
	48.3035	77.285601	202.874702	4183.08316	251.178203	38.6428	4086.47616		
	48.3035	77.285601	202.874702	4183.08316	251.178203	38.6428	4086.47616		
	48.3035	77.285601	202.874702	4183.08316	251.178203	38.6428	4086.47616		
	0.15	0.24	0.63	12.99	0.78	0.12	12.69		
	48.3035	77.285601	202.874702	4183.08316	251.178203	38.6428	4086.47616		
2.107262	7.255153	7.557133	6.228858	5.786155	2.866514	5.41863	9.125117	6.002917	3.155035	4.950493
0.015101	0.157493	0.140725	0.076489	0.062042	0.103634	0.119865	0.189148	0.163711	0.1107	0.072652
0.014886	0.151545	0.1364	0.074119	0.060706	0.09959	0.115835	0.182543	0.157918	0.107218	0.071272

3523.17937	28731.7632	21350.6237	5995.19663	1144.24369	8246.84949	13519.6171	73593.8756	41468.2009	21047.0926	40135.5537
12.081907	99.046427	75.637358	22.607555	4.96592	37.935838	46.979594	230.013716	137.081534	88.986361	174.684891
262	2667.2	2182.4	1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
0.026818	0.029644	0.036546	0.029741	0.036109	0.027684	0.024928	0.030671	0.029184	0.032812	0.028153
3716	38430.4	31481.2	19533	13887.7	25379.2	29411.5	42121.9	41949.7	24897.5	17944.4
18784.6196	203875.896	167870.944	99710.3253	65669.5657	109913.886	128981.067	185449.511	185692.6	110453.506	84567.7103
0.793982	2.424549	2.514225	2.081854	1.90287	0.864423	1.644463	2.749381	1.840475	0.989117	1.61005
697.967939	5440.41762	3911.04719	1063.78741	241.178046	1855.06545	3099.81021	16633.8362	9421.60844	4717.9294	8602.49281
17153.5	17075.7	15360.5	17849	15384.6	17183.1	17158.7	15556.5	17842	15414.7	17118
48.731534	48.510511	48.001562	48.502717	48.076875	48.815625	48.746306	48.614062	48.483695	48.170937	48.630681
17600	17600	16000	18400	16000	17600	17600	16000	18400	16000	17600
50	50	50	50	50	50	50	50	50	50	50
262	2667.2	2182.4	1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
15.339322	62.479559	66.628851	50.165028	40.703207	23.535277	45.540328	70.081241	48.702878	26.260338	34.765388
11.264778	34.77424	36.162419	29.757686	27.001626	12.447249	23.672727	39.558839	26.388659	14.28357	22.906608
18886.9826	204823.197	168370.162	100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
22480.2607	312286.455	256928.787	139230.985	84717.0609	312684.979	220511.708	293250.828	289277.559	336518.445	111918.743
3593.27813	107463.258	88558.6259	39171.2865	18837.1073	202256.278	90914.2261	106955.767	102981.062	225641.798	27054.9971
22480.2607	312286.455	256928.787	139230.985	84717.0609	312684.979	220511.708	293250.828	289277.559	336518.445	111918.743
57.43	288.64	278.85	215.66	131.12	121.9	198.26	278.87	243.05	135.07	132.61
15363.8032	176091.434	147019.538	94064.5016	64735.71	102181.852	116077.865	112701.185	144828.297	89829.5545	44728.1926
18195.8762	267735.666	224696.644	130367.657	83290.9298	286416.276	196442.047	173076.196	223644.751	270620.764	58528.7143
2.936662	11.13569	11.686005	9.747308	8.981799	4.576861	8.46783	11.595131	8.593613	4.672147	4.610956
212.604832	2283.30612	1907.75366	1288.43807	954.099162	1621.99699	1820.45846	1750.12475	2242.01493	1384.53182	643.737174
78.246141	79.085844	80.908668	78.054081	65.334669	73.081873	72.534406	73.714014	73.982134	81.315053	70.06343
10.813173	33.798025	35.599813	22.610079	11.76024	13.667734	26.09178	46.331387	30.329969	15.443304	24.502758
262	2667.2	2182.4	1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
0.744318	7.577272	6.82	3.705978	3.035312	4.979545	5.791761	9.127187	7.895923	5.360937	3.563636
3593.27813	107463.258	88558.6259	39171.2865	18837.1073	202256.278	90914.2261	106955.767	102981.062	225641.798	27054.9971
3593.27813	107463.258	88558.6259	39171.2865	18837.1073	202256.278	90914.2261	106955.767	102981.062	225641.798	27054.9971
49.395167	383.893881	274.646338	75.361928	17.200837	130.803013	218.241536	1170.57525	663.685072	330.968178	610.662825
3523.17937	28731.7632	21350.6237	5995.19663	1144.24369	8246.84949	13519.6171	73593.8756	41468.2009	21047.0926	40135.5537
3.44	42.56	34.69	20.41	14.91	26.59	32.42	39.89	44.81	24.47	16.22
-3593.2781	-107463.26	-88558.626	-39171.287	-18837.107	-202256.28	-90914.226	-106955.77	-102981.06	-225641.8	-27054.997
-21789.154	-375198.92	-313255.27	-169538.94	-102128.04	-488672.55	-287356.27	-280031.96	-326625.81	-496262.56	-85583.711

0.48	2.7	2.48	0.4	0.09	0.74	1.63	9.66	4.77	2.44	3.62
2218.7415	26802.5518	21458.838	11260.4937	7088.0192	13964.5432	19026.638	32215.6186	30079.1568	15136.4231	9236.3776
0.15	0.81	0.22	0.31	0.17	0.29	0.44	0.59	0.19	0.14	0.26
84.283	529.621	143.638	180.783	99.413	192.815	283.03	373.245	117.103	85.616	149.296
18886.9826	204823.197	168370.162	100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
18886.9826	204823.197	168370.162	100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
18784.6196	203875.896	167870.944	99710.3253	65669.5657	109913.886	128981.067	185449.511	185692.6	110453.506	84567.7103
262	2667.2	2182.4	1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
84.283	529.621	143.638	180.783	99.413	192.815	283.03	373.245	117.103	85.616	149.296
18886.9826	204823.197	168370.162	100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
18.08	417.68	355.58	168.59	110.975	322	333.385	472.305	486.795	337.525	146.74
			0.11							
	0.45	0.15	0.15		0.3	0.45	0.15	0.15	0.9	
	0.000142	0.00025	0.00057		0.012428	0.000738	0.000125	0.000062	0.013432	
	0.000142	0.00025	0.00057		0.012301	0.000738	0.000125	0.000054	0.012625	
					87.163849	25.761867			115.928401	
					0.387608	0.088546			0.480209	
	0.2	0.32	0.84		17.32	1.04	0.16	0.08	16.16	
0.033522	0.023721	0.023343	0.020461	0.020781	0.035795	0.035909	0.035593	0.032581	0.026531	0.032272
	3	4.8	12.6		259.8	15.6	2.4	1.2	242.4	
	60.710167	97.136268	254.982703		5257.50051	315.692871	48.568134	24.284067	4905.38154	
	0.644046	0.214682	0.214682		0.429364	0.644046	0.214682	0.214682	1.288093	
	3.6945	5.9112	15.5169		319.943699	19.2114	2.9556	1.4778	298.515599	
1360.8	1374.6	1250.12	1441.88	1253.4	1357.6	1357.44	1234.44	1424.04	1246.04	1362.56
3.865909	3.905113	3.906625	3.918152	3.916875	3.856818	3.856363	3.857625	3.869673	3.893875	3.870909
1408	1408	1280	1472	1280	1408	1408	1280	1472	1280	1408
4	4	4	4	4	4	4	4	4	4	4
	0.2	0.32	0.84		17.32	1.04	0.16	0.08	16.16	
	9.6607	3.220233	3.220233		6.440466	9.6607	3.220233	3.220233	19.3214	
	9.6607	3.220233	3.220233		6.440466	9.6607	3.220233	3.220233	19.3214	
	64.404667	103.047468	270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
	66.722581	108.70231	309.615443		14250.6644	372.661202	57.223992	27.599768	10456.8093	
	2.317913	5.654842	39.11584		8673.22015	37.756931	5.700257	1.837901	5252.91212	
	66.722581	108.70231	309.615443		14250.6644	372.661202	57.223992	27.599768	10456.8093	

	0.05	0.08	0.21		4.33	0.26	0.04	0.02	4.04	
	64.404667	103.047468	270.499603		5490.28036	309.142404	51.523734	25.761867	5087.96874	
	66.722581	108.70231	309.615443		13945.2576	344.542601	57.223992	27.599768	10333.5163	
	0.12	0.04	0.04		0.079907	0.12	0.04	0.04	0.24	
	0.2	0.32	0.84		17.049324	0.96	0.16	0.08	15.8	
					1020.99593	351.739448			342.703047	
					10.209959	3.517394			6.85406	
	0.2	0.32	0.84		17.32	1.04	0.16	0.08	16.16	
	0.000568	0.001	0.002282		0.049204	0.002954	0.0005	0.000217	0.0505	
	2.317913	5.654842	39.11584		8673.22015	37.756931	5.700257	1.837901	5252.91212	
	2.317913	5.654842	39.11584		8673.22015	37.756931	5.700257	1.837901	5252.91212	
					0.270675	0.08			0.36	
					87.163849	25.761867			115.928401	
	0.04	0.07	0.19		4.25	0.23	0.04	0.02	3.92	
	-2.317913	-5.654842	-39.11584		-8673.2202	-37.756931	-5.700257	-1.837901	-5252.9121	
	-69.040495	-114.35715	-348.73128		-22618.478	-382.29953	-62.92425	-29.43767	-15586.428	
					0.06	0.02			0.09	
	14.5367	23.722	53.584		933.27	67.8892	11.8118	5.9601	957.8059	
	0.03	0.04	0.1		0.36	0.12	0.02	0.02	0.64	
	64.404667	103.047468	270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
	64.404667	103.047468	270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
	64.404667	103.047468	270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
	0.2	0.32	0.84		17.32	1.04	0.16	0.08	16.16	
	64.404667	103.047468	270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	

10.316423	10.364918	10.368722	10.360204	10.332876	10.840687	10.554838	10.305482	10.406433	10.886425	10.389888
0.627442	0.642325	0.626361	0.603671	0.606647	0.378591	0.5059	0.62902	0.574048	0.378079	0.55937
0.59879	0.610822	0.593497	0.571343	0.577004	0.259323	0.481147	0.592449	0.540325	0.353197	0.524098
335198.77	354990.028	314029.732	347963.808	305295.759	154739.223	282381.651	312659.49	329198.19	193280.102	305918.602
1176.26008	1255.79158	1156.76928	1434.18939	1388.30449	725.940832	1142.19752	1063.36936	1197.30207	845.12477	1359.09348
12351.366	12599.55	11129.27	12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
0.046221	0.052272	0.053437	0.055597	0.049218	0.064886	0.052528	0.060187	0.062092	0.065687	0.06267
125651.325	127834.191	113181.083	125509.899	110234.498	55933.1568	102193.256	112990.358	119028.278	69589.8322	110540.303
133622.711	139913.291	123629.995	136874.035	120112.221	60819.4954	110559.216	122574.355	128977.703	76346.5148	119984.372
2.6151	2.7222	2.7222	2.7222	2.7222	2.722199	2.7222	2.7222	2.7222	2.722199	2.7222

195400.376	208650.966	184734.164	204857.257	179924.748	91294.0985	166799.832	184422.862	194277.956	113584.524	180423.883
19673.778	19548.96	17749.94	20365.844	17829.05	14090.956	19543.686	17623.364	20225.79	17520.228	19334.484
55.891414	55.536818	55.468562	55.341967	55.715781	40.031125	55.521835	55.073012	54.961385	54.750712	54.927511
20627.2	20627.2	18752	21564.8	18752	20627.2	20627.2	18752	21564.8	18752	20627.2
58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6	58.599999	58.6	58.6
12351.366	12599.55	11129.27	12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
29.994023	31.528438	31.534231	31.311568	31.099593	35.248335	32.399418	31.329753	31.675487	36.33226	31.533898
27.473862	28.723013	28.732232	28.714392	28.641738	30.020331	29.248484	28.569602	28.846996	30.142663	28.801343
358800.475	378516.636	335560.549	371723.936	325251.855	172532.19	302846.858	334365.954	353271.928	219753.483	329630.686
474558.803	769662.813	651048.62	579069.15	451806.274	354349.425	497475.673	610181.966	608023.389	449440.908	469907.417
115758.328	391146.178	315488.07	207345.213	126554.419	181817.235	194628.815	275816.011	254751.461	229687.425	140276.731
474558.803	769662.813	651048.62	579069.15	451806.274	354349.425	497475.673	610181.966	608023.389	449440.908	469907.417
335.73	333.6	302.9	347.54	304.25	240.46	333.51	300.74	345.15	298.98	329.94
		10.354534	51.144237	259.401659	102.417047	39.004803	3.625681		28.745498	3.099627
		14.896242	80.336997	418.502228	303.170069	73.855938	3.415134		95.350166	8.444928
		0.339461	1.578463	3.457924	1.390977	0.857906	0.120408		0.712846	0.067659
		0.339461	1.622397	8.907707	3.554	1.325414	0.120408		1.011025	0.112807
30.301474	34.270288	35.039946	33.648011	27.40048	18.019437	25.71262	29.56183	28.061943	14.590276	27.331157
23.938164	25.360013	26.980758	28.600809	23.83656	11.892828	20.045973	24.222834	22.730174	14.29847	27.331157
12351.366	12599.55	11129.27	12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
35.089107	35.794176	34.778968	33.480711	33.812443	15.196335	28.195232	34.717518	31.663103	20.697356	30.712164
50080.3803	324327.246	256328.318	141741.189	68934.8469	152580.974	141212.401	216755.951	192535.38	193312.819	82497.3147
50080.3803	324327.246	256328.318	141741.189	68934.8469	152580.974	141212.401	216755.951	192535.38	193312.819	82497.3147
12351.366	12599.55	11128.9305	12319.2796	10811.0743	5345.556	9923.39659	11109.4856	11652.022	6622.14297	10810.5692
335198.77	354990.028	314029.732	347963.808	305295.759	154739.223	282381.651	312659.49	329198.19	193280.102	305918.602
		0.02	0.06	0.13	0.03	0.01				0.01
-115758.33	-391146.18	-315488.07	-207345.21	-126554.42	-181817.24	-194628.82	-275816.01	-254751.46	-229687.42	-140276.73
-115758.33	-391146.18	-315502.97	-207425.55	-126972.92	-182120.41	-194702.67	-275819.43	-254751.46	-229782.77	-140285.18
16.66	14.83	12.62	16.86	16.75	10.58	13.9	13.53	16.45	70.3	245.51
					0.272727					
86669.2478	85289.4827	74953.9553	76158.324	60888.2815	43321.4262	74850.4654	79517.6112	85587.4233	61466.9144	66972.1804
1.32	1.29	1.18	1.3	1.08	0.97	1.12	1.19	1.32	1.45	1.3
23601.7056	23526.6072	21520.4624	23708.984	19696.6944	17690.5496	20426.2016	21702.8392	24073.7376	26444.636	23708.984
424478.423	445335.567	394720.302	437327.961	382871.427	201768.451	356263.273	393426.014	415488.009	256128.089	387410.102
424478.423	445335.567	394720.302	437327.961	382871.427	201768.451	356263.273	393426.014	415488.009	256128.089	387410.102

329023.087	348564.258	308364.159	341731.292	300036.969	152113.594	277359.048	306997.216	323255.659	189931.039	300408.254
12351.366	12599.55	11129.27	12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
23601.7056	23526.6072	21520.4624	23708.984	19696.6944	17690.5496	20426.2016	21702.8392	24073.7376	26444.636	23708.984
424478.423	445335.567	394720.302	437327.961	382871.427	201768.451	356263.273	393426.014	415488.009	256128.089	387410.102
6175.683	6425.7705	5675.9277	6283.66002	5518.19082	2728.0461	5061.60822	5665.89906	5942.53122	3377.80854	5513.44782
			0.05	0.09	0.03	0.02	0.01		0.01	0.02
0.9	6.3	6.9	4.5	4.2	2.7	5.55	7.5	5.7	3	3.75
0.011031	0.144501	0.13438	0.06885	0.053251	0.099923	0.114958	0.176201	0.156106	0.107213	0.063106
0.01071	0.142528	0.131156	0.067228	0.051437	0.095681	0.110738	0.171875	0.151956	0.101156	0.060454
454.078771	4177.20419	3936.79021	792.963226	119.374884	1244.05732	2162.13999	13051.553	6961.23014	4266.53467	4536.9566
1.550814	14.351152	13.978193	2.965496	0.523828	5.788307	7.389257	40.541821	22.837637	17.833133	19.671285
52.78	702.38	587.58	346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
0.02892	0.020312	0.026062	0.027146	0.032625	0.031477	0.030937	0.022843	0.037228	0.033718	0.038096
791.7	10535.7	8813.7	5195.4	3456.6	7072.8	8185.8	11550	11743.2	6797.7	4468.8
3954.01203	56040.9241	46814.2563	26548.7774	16363.9476	30714.2984	35885.9708	50934.3666	52053.7106	30140.6019	21269.9075
0.304169	1.998744	2.203954	1.475404	1.293742	0.776722	1.607575	2.173948	1.669286	0.899553	1.182715
91.703038	779.705771	723.318553	138.474013	24.289054	278.336814	505.356999	2939.65731	1576.90265	948.485956	961.059717
4785.48	4827.9	4363.24	5012.14	4333.84	4772.88	4775.54	4377.66	4960.2	4328.94	4740.26
13.595113	13.715625	13.635125	13.619945	13.54325	13.559318	13.566875	13.680187	13.478804	13.527937	13.466647
4928	4928	4480	5152	4480	4928	4928	4480	5152	4480	4928
14	14	14	14	14	14	14	14	14	14	14
52.78	702.38	587.58	346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
4.644395	30.619899	33.266522	22.250703	19.764085	11.800115	24.60367	33.042308	25.10967	13.904803	17.890831
4.644395	30.619899	33.266522	22.250703	19.764085	11.800115	24.60367	33.042308	25.10967	13.904803	17.890831
4006.51203	56439.9241	46908.7563	26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075
4738.17561	85590.6073	71090.0605	36900.5871	20938.2801	97515.9209	60940.9209	79664.6756	80419.2699	91508.4102	28117.263
731.663587	29150.6832	24181.3041	10267.8097	4469.33244	66602.1226	24802.9501	28509.809	28260.5594	61294.3083	6752.85554
4738.17561	85590.6073	71090.0605	36900.5871	20938.2801	97515.9209	60940.9209	79664.6756	80419.2699	91508.4102	28117.263
26	148.81	148.94	102.8	65.74	73	112.51	144.01	122.57	76.49	67.39
3552.43326	52262.7199	42971.9661	25839.8141	16349.5728	29669.741	33975.8308	38103.3135	45197.4804	25947.5672	16827.4509
4178.34518	79052.8954	65372.9444	35700.5972	20808.4313	93533.5113	57115.312	58648.4888	69398.6257	79041.8847	22013.2957
0.821322	5.77359	6.363405	4.179807	3.914681	2.513775	5.115034	6.626425	5.187343	2.587761	3.313283
46.666464	650.399615	539.358763	337.128399	228.820729	452.964212	512.029533	574.022845	677.753156	389.947602	233.849352
80.567525	79.493639	81.013495	80.740129	73.594337	68.103342	68.004515	69.881538	69.7595	71.716599	73.850641

3.222701	22.071703	24.304048	12.111019	3.679716	4.767233	18.361219	33.240775	24.415825	12.191821	16.145218
52.78	702.38	587.58	346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
0.149943	1.995397	1.836187	0.941195	0.720125	1.339545	1.55034	2.40625	2.127391	1.416187	0.846363
731.663587	29150.6832	24181.3041	10267.8097	4469.33244	66602.1226	24802.9501	28509.809	28260.5594	61294.3083	6752.85554
731.663587	29150.6832	24181.3041	10267.8097	4469.33244	66602.1226	24802.9501	28509.809	28260.5594	61294.3083	6752.85554
6.113535	51.980384	48.221236	9.2316	1.61927	18.555787	33.690466	195.977154	105.126843	63.232397	64.070647
454.078771	4177.20419	3936.79021	792.963226	119.374884	1244.05732	2162.13999	13051.553	6961.23014	4266.53467	4536.9566
2.11	13.41	10.64	9.99	7.23	5.98	10.31	12.08	13.1	4	7.14
-731.66359	-29150.683	-24181.304	-10267.81	-4469.3324	-66602.123	-24802.95	-28509.809	-28260.559	-61294.308	-6752.8555
-4910.0088	-108203.58	-89554.249	-45968.407	-25277.764	-160135.63	-81918.262	-87158.298	-97659.185	-140336.19	-28766.151
0.13	0.75	0.84	0.2	0.07	0.36	0.58	2.98	1.42	0.62	1.55
1073.9221	14319.9704	11569.6194	6178.5761	3696.7588	7247.1557	10217.6902	17072.5369	16101.3096	7531.8231	4795.9064
0.05	0.38	0.09	0.08	0.1	0.19	0.24	0.21	0.1	0.07	0.09
52.5	399	94.5	84	105	199.5	252	220.5	105	73.5	94.5
4006.51203	56439.9241	46908.7563	26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075
4006.51203	56439.9241	46908.7563	26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075
3954.01203	56040.9241	46814.2563	26548.7774	16363.9476	30714.2984	35885.9708	50934.3666	52053.7106	30140.6019	21269.9075
52.78	702.38	587.58	346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
52.5	399	94.5	84	105	199.5	252	220.5	105	73.5	94.5
4006.51203	56439.9241	46908.7563	26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075

10.866003	10.984108	10.995909	10.950666	10.908094	11.398761	11.178806	10.960108	11.055788	11.503389	10.979857
0.410238	0.484362	0.465517	0.434637	0.429342	0.317937	0.396794	0.487916	0.44993	0.307587	0.307
0.392429	0.466993	0.447545	0.418382	0.412828	0.278347	0.381951	0.469238	0.432898	0.269995	0.205825
1435946.36	1660688.3	1424731.54	1411790.77	1088547.96	916785.352	1295005.09	1647429.01	1658676.28	856265.388	790141.393
5029.98637	5857.16841	5231.61019	5792.11274	4937.76911	4294.50703	5187.29139	5559.44621	5996.43518	3702.64589	3504.60955
50709.418	60344.534	52574.014	56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572
0.031572	0.032373	0.034301	0.033048	0.034803	0.034927	0.034266	0.035957	0.034424	0.037923	0.033641
544770.93	653313.198	570494.938	611149.592	523539.622	402079.409	542770.638	599532.867	639206.866	357221.997	287824.043
645759.222	1154289.65	973169.411	898766.288	725819.56	670230.802	833885.004	996672.473	1033899.67	616133.774	510576.458
2.602145	2.895015	2.874978	2.770503	2.733675	2.80538	2.755684	2.841006	2.793683	2.744959	2.670947
787838.087	845818.812	750512.708	847465.824	734738.55	538488.54	716856.859	756563.644	820398.701	453918.201	308356.296
7188.45338	30111.8427	20654.0035	7243.19955	2501.41355	10734.0956	16211.1444	60985.7056	41650.0372	15598.7063	40288.885
123608.468	124537.87	112931.73	129953.484	112860.69	113144.661	124441.386	113072.214	129824.92	103219.733	86683.234

351.16042	353.800767	352.911656	353.134467	352.689656	321.433696	353.526664	353.350668	352.785108	322.561665	246.259187
129219.2	129219.2	117472	135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
50709.418	60344.534	52574.014	56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572
129.956562	249.09129	238.260933	209.270897	183.886047	170.049674	222.159644	242.072403	201.870274	225.981197	137.006415
29.512966	33.329522	33.086063	31.754068	31.231895	33.449167	32.24481	32.764637	32.391962	32.895654	30.647569
1533056.98	2141055.27	1844023.43	1869219.12	1565778.76	1299563.01	1665375.62	1883839.71	1990895	1157757.81	891879.686
1942340.06	3979271.53	3289591.35	2768452.73	2089372.3	2710949.44	2579887.59	3228331.32	3259344.89	2465466.34	1270939.21
409283.078	1838216.26	1445567.92	899233.612	523593.544	1411386.43	914511.971	1344491.61	1268449.89	1307708.53	379059.529
1942340.06	3979271.53	3289591.35	2768452.73	2089372.3	2710949.44	2579887.59	3228331.32	3259344.89	2465466.34	1270939.21
1192	1699.42	1567.78	1595.25	1278.82	1077.73	1454.09	1538.95	1595.87	1148.41	1006.86
63941.9086	445994.187	387616.569	422832.111	446528.854	356095.545	338212.8	204469.983	296001.818	266433.757	73888.2983
80491.0092	713355.044	632956.769	639527.681	642406.567	1082186.84	593075.489	315778.546	469097.601	781864.78	97169.842
4.357184	6.057974	6.959085	7.81956	15.20066	4.258096	5.919686	5.01206	5.15778	3.297068	3.212857
1266.97855	7056.81186	6406.4814	9041.32808	11261.3114	6998.07072	6857.70869	3458.52353	5201.95907	4520.933	1111.30046
34.521086	41.502164	40.822581	37.521918	31.337011	22.572683	32.529013	43.21803	36.89173	22.012036	35.396812
34.467784	41.410042	40.813309	37.490235	31.256016	22.463513	32.458081	43.113533	36.876285	22.00447	35.358325
50709.418	60344.534	52574.014	56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572
144.060846	171.433335	164.293793	153.588244	151.549281	102.181363	140.214403	172.257293	158.917103	99.115175	75.558443
132861.237	1549812.3	1189668.27	609574.531	272406.207	1233898.42	669284.445	1085733.92	987545.794	1151432.32	257539.504
132861.237	1549812.3	1189668.27	609574.531	272406.207	1233898.42	669284.445	1085733.92	987545.794	1151432.32	257539.504
49442.4394	53287.7221	46167.5326	47479.1459	37234.4586	28969.7693	42497.7613	51663.8105	53279.5349	27195.923	25485.2715
1435946.36	1660688.3	1424731.54	1411790.77	1088547.96	916785.352	1295005.09	1647429.01	1658676.28	856265.388	790141.393
33.1	110.53	91.42	111.66	100.05	61.29	77.73	68.94	82.27	46.85	32.06
-409283.08	-1838216.3	-1445567.9	-899233.61	-523593.54	-1411386.4	-914511.97	-1344491.6	-1268449.9	-1307708.5	-379059.53
-489774.09	-2551571.3	-2078524.7	-1538761.3	-1166000.1	-2493573.3	-1507587.5	-1660270.2	-1737547.5	-2089573.3	-476229.37
306.06	232.46	216.3	217.22	166.57	269.77	253.34	247	277.03	264.74	316.86
0.008264					0.061983				0.027272	0.090909
273924.615	338354.495	288880.007	274496.355	212036.138	189258.414	283258.779	330566.792	344563.456	213004.915	167585.705
3.52	5.01	3.86	4.55	3.85	4.37	5.03	4.78	4.33	5.44	3.51
33462.573	35560.0695	32116.5743	35166.0614	31150.8881	27257.9425	33044.929	32939.2128	36705.3639	35388.1437	28443.7273
1809478.82	2429459.23	2099923.08	2158878.2	1816966.1	1477051.02	1910603.15	2142597.4	2271799.1	1314034.03	1013399.71
1809478.82	2429459.23	2099923.08	2158878.2	1816966.1	1477051.02	1910603.15	2142597.4	2271799.1	1314034.03	1013399.71
1433597.31	2000108.46	1723682.12	1746232.11	1460558.11	1208719.34	1550741.86	1753236.12	1854298.37	1070051.97	818932.755
50709.418	60344.534	52574.014	56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572

33462.573	35560.0695	32116.5743	35166.0614	31150.8881	27257.9425	33044.929	32939.2128	36705.3639	35388.1437	28443.7273
1809478.82	2429459.23	2099923.08	2158878.2	1816966.1	1477051.02	1910603.15	2142597.4	2271799.1	1314034.03	1013399.71
65997.1009	105386.741	88224.7365	87820.9455	74069.7615	63585.7225	81588.8293	97664.383	99891.2665	52317.69	44503.2042
12.18	8.78	12.17	38.88	52.89	13.52	20.72	3.87	8.7	6.55	0.02

3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
725622.538	525562.515	431850.917	354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
2525.92618	1845.36817	1582.28665	1451.00783	969.834607	1292.59482	1866.22333	2431.78011	2538.63411	1293.93084	3713.69108
-100434.61	-99623.408	-86891.154	-89390.988	-70377.608	-75177.915	-87381.272	-93447.488	-101091.4	-73671.499	-79357.527
100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
725622.538	525562.515	431850.917	354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
305.39	231.62	215.12	215.95	166.44	276.79	252.53	246.35	276.06	266.36	319.59
203.019153	184.596095	179.890459	155.177736	133.3976	156.96788	187.384285	218.868849	208.721555	185.64718	184.191951
93.88437	86.705271	83.463881	71.872877	62.195877	80.825174	89.634248	103.452605	101.581033	103.674591	104.652336
30285.8912	24684.6659	21583.464	18418.5269	11575.7718	24955.877	26399.1959	28417.4618	32420.2133	30828.9612	34333.8078
-100434.61	-99623.408	-86891.154	-89390.988	-70377.608	-75177.915	-87381.272	-93447.488	-101091.4	-73671.499	-79357.527
-285.32559	-283.02104	-271.53486	-242.91029	-219.93003	-213.57362	-248.24225	-292.0234	-274.70488	-230.22343	-225.44752
-3263028.4	-4849441.4	-3955104.4	-3362434.6	-2397740.1	-2653567.1	-3104455.1	-4215639.4	-4108963.9	-2510794.9	-2685848.6
-32.531775	-48.574349	-45.391975	-37.595923	-34.032194	-35.227102	-35.545886	-45.043433	-40.635882	-34.164797	-33.882053
-3263028.4	-4849441.4	-3955104.4	-3362434.6	-2397740.1	-2653567.1	-3104455.1	-4215639.4	-4108963.9	-2510794.9	-2685848.6
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3988650.97	5375003.96	4386955.29	3716896.5	2611302.88	2930644.27	3575516.12	4929713.15	4812266.26	2811228.7	3527680.98
100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63

3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
725622.538	525562.515	431850.917	354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
2525.92618	1845.36817	1582.28665	1451.00783	969.834607	1292.59482	1866.22333	2431.78011	2538.63411	1293.93084	3713.69108
-100434.61	-99623.408	-86891.154	-89390.988	-70377.608	-75177.915	-87381.272	-93447.488	-101091.4	-73671.499	-79357.527
100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
725622.538	525562.515	431850.917	354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
305.39	231.62	215.12	215.95	166.44	276.79	252.53	246.35	276.06	266.36	319.59

203.019153	184.596095	179.890459	155.177736	133.3976	156.96788	187.384285	218.868849	208.721555	185.64718	184.191951
93.88437	86.705271	83.463881	71.872877	62.195877	80.825174	89.634248	103.452605	101.581033	103.674591	104.652336
30285.8912	24684.6659	21583.464	18418.5269	11575.7718	24955.877	26399.1959	28417.4618	32420.2133	30828.9612	34333.8078
-100434.61	-99623.408	-86891.154	-89390.988	-70377.608	-75177.915	-87381.272	-93447.488	-101091.4	-73671.499	-79357.527
-285.32559	-283.02104	-271.53486	-242.91029	-219.93003	-213.57362	-248.24225	-292.0234	-274.70488	-230.22343	-225.44752
-3263028.4	-4849441.4	-3955104.4	-3362434.6	-2397740.1	-2653567.1	-3104455.1	-4215639.4	-4108963.9	-2510794.9	-2685848.6
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-3263028.4	-4849441.4	-3955104.4	-3362434.6	-2397740.1	-2653567.1	-3104455.1	-4215639.4	-4108963.9	-2510794.9	-2685848.6
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3988650.97	5375003.96	4386955.29	3716896.5	2611302.88	2930644.27	3575516.12	4929713.15	4812266.26	2811228.7	3527680.98
100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63

238084.096	256755.16	241837.677	277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
837.348135	909.74104	893.603208	1146.81314	1181.21836	1235.66517	873.48362	515.521347	617.542317	823.643083	1055.43933
6867.15017	7118.24675	6704.67638	7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
221695.179	344416.823	301619.094	285450.719	242883.385	254964.318	204617.761	179115.373	184060.05	173368.529	221756.247
6867.15017	7118.24675	6704.67638	7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
19.508949	20.222291	20.952113	20.879993	22.438213	20.719517	16.777396	12.870231	12.630812	16.241676	18.664021
-16388.918	87661.6624	59781.4169	8294.69704	-16107.452	-8103.9332	-8398.8089	30562.0167	16401.6728	-14099.393	-15214.113
-16388.918	87661.6624	59781.4169	8294.69704	-16107.452	-8103.9332	-8398.8089	30562.0167	16401.6728	-14099.393	-15214.113
6867.15017	7118.24675	6704.67638	7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
238084.096	256755.16	241837.677	277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
16388.9175	-87661.662	-59781.417	-8294.697	16107.4518	8103.93321	8398.80891	-30562.017	-16401.673	14099.393	15214.1128
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100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
238084.096	256755.16	241837.677	277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36

238084.096	256755.16	241837.677	277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
6867.15017	7118.24675	6704.67638	7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
238084.096	256755.16	241837.677	277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
238084.096	256755.16	241837.677	277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
6867.15017	7118.24675	6704.67638	7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
221695.179	344416.823	301619.094	285450.719	242883.385	254964.318	204617.761	179115.373	184060.05	173368.529	221756.247
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238084.096	256755.16	241837.677	277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
234848.342	252560.577	237935	272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
825.989498	894.883012	879.17409	1127.97128	1163.30449	1215.92949	857.764855	507.946012	608.185671	809.443279	1037.36454
7712.58923	7997.48502	7534.35719	8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
248969.919	386958.351	338959.643	320659.61	273204.748	286573.073	229423.034	201668.462	207093.825	194551.477	248963.97
22.612562	14.22602	25.24529	18.026165	29.554866	17.85867	23.934807	27.741298		9.502632	26.976847
1.356753	0.711301	0.504905	0.540784	1.773291	8.572162	0.478696	1.109651		1.520421	7.553517
7712.58923	7997.48502	7534.35719	8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
21.910764	22.720127	23.544866	23.456816	25.240264	23.28763	18.816243	14.485325	14.208565	18.230796	20.951406
14121.5769	134397.774	101024.643	48057.6242	18136.7336	27704.0492	20258.6578	55285.558	41969.8299	10318.3388	16064.7839
14121.5769	134397.774	101024.643	48057.6242	18136.7336	27704.0492	20258.6578	55285.558	41969.8299	10318.3388	16064.7839
7712.58923	7997.48502	7534.35719	8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
234848.342	252560.577	237935	272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
-14121.577	-134397.77	-101024.64	-48057.624	-18136.734	-27704.049	-20258.658	-55285.558	-41969.83	-10318.339	-16064.784
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0.66	0.23	0.11	0.24	0.49	7.42	0.21	0.19		1.86	3.06
100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
234848.342	252560.577	237935	272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
234848.342	252560.577	237935	272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
7712.58923	7997.48502	7534.35719	8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
234848.342	252560.577	237935	272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
234848.342	252560.577	237935	272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
7712.58923	7997.48502	7534.35719	8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
248969.919	386958.351	338959.643	320659.61	273204.748	286573.073	229423.034	201668.462	207093.825	194551.477	248963.97
14121.5769	134397.774	101024.643	48057.6242	18136.7336	27704.0492	20258.6578	55285.558	41969.8299	10318.3388	16064.7839
234848.342	252560.577	237935	272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186

158318.584	163153.846	134542.224	175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
557.123252	577.406527	496.671438	728.864867	695.173661	686.419856	686.071323	495.158893	650.139893	501.418434	461.586855
3090.3491	3184.73249	2626.239	3433.7586	2966.50666	2850.24555	3267.3837	2802.35345	3468.40468	2243.06261	2021.70545
99267.5904	155035.373	117306.826	125637.698	99353.8818	99749.7112	112914.423	124510.752	137199.858	76278.5504	69158.0341
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-59050.994	-8118.4729	-17235.398	-50273.755	-52620.254	-46268.368	-54473.644	-19053.815	-40486.514	-38633.547	-34413.936
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158318.584	163153.846	134542.224	175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
59050.9939	8118.47287	17235.3985	50273.7549	52620.2544	46268.3682	54473.6438	19053.8152	40486.5143	38633.5469	34413.9363
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100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	84788.5569	90273.4106	101091.395	73671.4988	71322.1653
158318.584	163153.846	134542.224	175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
158318.584	163153.846	134542.224	175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
3090.3491	3184.73249	2626.239	3433.7586	2966.50666	2850.24555	3267.3837	2802.35345	3468.40468	2243.06261	2021.70545
158318.584	163153.846	134542.224	175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
158318.584	163153.846	134542.224	175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
3090.3491	3184.73249	2626.239	3433.7586	2966.50666	2850.24555	3267.3837	2802.35345	3468.40468	2243.06261	2021.70545
99267.5904	155035.373	117306.826	125637.698	99353.8818	99749.7112	112914.423	124510.752	137199.858	76278.5504	69158.0341
-59050.994	-8118.4729	-17235.398	-50273.755	-52620.254	-46268.368	-54473.644	-19053.815	-40486.514	-38633.547	-34413.936
158318.584	163153.846	134542.224	175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97

217209.034	245696.226	166817.306	274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
766.544909	873.389511	618.681415	1136.05438	1119.5667	1004.56061	813.097896	464.890238	556.175404	765.581902	1170.1165
3036.19002	3350.55538	2274.88486	3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
96471.1238	161850.534	100296.649	137073.936	112733.768	101003.629	91094.761	75179.632	77756.9759	76287.4386	120705.076
3036.19002	3350.55538	2274.88486	3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
8.625539	9.518623	7.109015	10.172853	10.449244	8.271328	7.636275	5.656511	5.560736	7.413627	10.148045
-120737.91	-83845.692	-66520.657	-137445	-132464.01	-112497.23	-106014.01	-57553.811	-72301.952	-97677.771	-141237.89
-120737.91	-83845.692	-66520.657	-137445	-132464.01	-112497.23	-106014.01	-57553.811	-72301.952	-97677.771	-141237.89
3036.19002	3350.55538	2274.88486	3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
217209.034	245696.226	166817.306	274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
120737.91	83845.6924	66520.6575	137445.002	132464.014	112497.23	106014.008	57553.8106	72301.9515	97677.7711	141237.886
120737.91	83845.6924	66520.6575	137445.002	132464.014	112497.23	106014.008	57553.8106	72301.9515	97677.7711	141237.886

98728.05	99623.4077	83346.2199	89390.9877	70377.6081	74992.7294	86961.2508	90796.6231	101091.395	73671.4988	79357.5272
217209.034	245696.226	166817.306	274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
217209.034	245696.226	166817.306	274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
3036.19002	3350.55538	2274.88486	3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
217209.034	245696.226	166817.306	274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
217209.034	245696.226	166817.306	274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
3036.19002	3350.55538	2274.88486	3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
96471.1238	161850.534	100296.649	137073.936	112733.768	101003.629	91094.761	75179.632	77756.9759	76287.4386	120705.076
-120737.91	-83845.692	-66520.657	-137445	-132464.01	-112497.23	-106014.01	-57553.811	-72301.952	-97677.771	-141237.89
217209.034	245696.226	166817.306	274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
2987.0058	3255.42009	2888.13015	4139.70368	4159.26322	4142.57513	3230.4177	1983.51649	2432.04329	2900.0867	3724.50723
20706.2785	21651.0196	19140.1574	23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
666403.812	1048261.08	858182.212	868821.964	728175.783	742290.731	638049.979	580474.218	606110.708	520485.995	660583.326
22.612562	14.22602	25.24529	18.026165	29.554866	17.85867	23.934807	27.741298		9.502632	26.976847
1.356753	0.711301	0.504905	0.540784	1.773291	8.572162	0.478696	1.109651		1.520421	7.553517
20706.2785	21651.0196	19140.1574	23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
58.824654	61.508578	59.812991	63.840529	67.398055	60.375764	52.512256	41.769422	41.825128	48.89567	55.506954
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20706.2785	21651.0196	19140.1574	23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
182056.245	-130095.27	-77050.004	131366.436	183054.987	139165.482	148627.803	-9239.9489	54416.9631	140092.372	174801.152
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0.66	0.23	0.11	0.24	0.49	7.42	0.21	0.19		1.86	3.06
400031.878	398493.631	344019.682	357563.951	281510.432	300526.476	346512.351	367965.009	404365.581	294685.995	309394.747
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
20706.2785	21651.0196	19140.1574	23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
20706.2785	21651.0196	19140.1574	23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
666403.812	1048261.08	858182.212	868821.964	728175.783	742290.731	638049.979	580474.218	606110.708	520485.995	660583.326
-182056.24	130095.271	77050.0044	-131366.44	-183054.99	-139165.48	-148627.8	9239.94894	-54416.963	-140092.37	-174801.15

848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
10.866003	10.984108	10.995909	10.950666	10.908094	11.398761	11.178806	10.960108	11.055788	11.503389	10.979857
0.410238	0.484362	0.465517	0.434637	0.429342	0.317937	0.396794	0.487916	0.44993	0.307587	0.307
0.392429	0.466993	0.447545	0.418382	0.412828	0.278347	0.381951	0.469238	0.432898	0.269995	0.205825
3263028.44	4849441.44	3955104.37	3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3010028.95	3104416.62	2637714.66	2766441.09	2213341.52	2075318.75	2552743.84	2932737.03	3022506.29	1817277.57	2467358.22
10542.9183	10957.9567	9702.02699	11382.8242	10066.8669	9729.67698	10283.9324	9974.74281	10967.1126	7896.66343	10942.8079
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3050189.39	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
0.031572	0.032373	0.034301	0.033048	0.034803	0.034927	0.034266	0.035957	0.034424	0.037923	0.033641
544770.93	653313.198	570494.938	611149.592	523539.622	402079.409	542770.638	599532.867	639206.866	357221.997	287824.043
645759.222	1154289.65	973169.411	898766.288	725819.56	670230.802	833885.004	996672.473	1033899.67	616133.774	510576.458
2.602145	2.895015	2.874978	2.770503	2.733675	2.80538	2.755684	2.841006	2.793683	2.744959	2.670947
787838.087	845818.812	750512.708	847465.824	734738.55	538488.54	716856.859	756563.644	820398.701	453918.201	308356.296
7188.45338	30111.8427	20654.0035	7243.19955	2501.41355	10734.0956	16211.1444	60985.7056	41650.0372	15598.7063	40288.885
123608.468	124537.87	112931.73	129953.484	112860.69	113144.661	124441.386	113072.214	129824.92	103219.733	86683.234
351.16042	353.800767	352.911656	353.134467	352.689656	321.433696	353.526664	353.350668	352.785108	322.561665	246.259187
129219.2	129219.2	117472	135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
50709.418	60344.534	52574.014	56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572
129.956562	249.09129	238.260933	209.270897	183.886047	170.049674	222.159644	242.072403	201.870274	225.981197	137.006415
29.512966	33.329522	33.086063	31.754068	31.231895	33.449167	32.24481	32.764637	32.391962	32.895654	30.647569
1533056.98	2141055.27	1844023.43	1869219.12	1565778.76	1299563.01	1665375.62	1883839.71	1990895	1157757.81	891879.686
1942340.06	3979271.53	3289591.35	2768452.73	2089372.3	2710949.44	2579887.59	3228331.32	3259344.89	2465466.34	1270939.21
100434.609	99623.4077	86891.154	89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
409283.078	1838216.26	1445567.92	899233.612	523593.544	1411386.43	914511.971	1344491.61	1268449.89	1307708.53	379059.529
2608743.87	5027532.61	4147773.56	3637274.69	2817548.09	3453240.17	3217937.57	3808805.54	3865455.6	2985952.34	1931522.54
1192	1699.42	1567.78	1595.25	1278.82	1077.73	1454.09	1538.95	1595.87	1148.41	1006.86
63941.9086	445994.187	387616.569	422832.111	446528.854	356095.545	338212.8	204469.983	296001.818	266433.757	73888.2983
25.464592	36.2815	34.081482	28.75637	26.466447	27.221071	27.036308	33.089994	30.430503	26.259234	26.405295
725622.538	525562.515	431850.917	354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
305.39	231.62	215.12	215.95	166.44	276.79	252.53	246.35	276.06	266.36	319.59

203.019153	184.596095	179.890459	155.177736	133.3976	156.96788	187.384285	218.868849	208.721555	185.64718	184.191951
7.823697	5.419079	5.216492	4.492054	5.182989	5.051573	5.60214	6.465787	6.772068	6.479661	9.513848
30,286	24,685	21,583	18,419	11,576	24,956	26,399	28,417	32,420	30,829	34,334
80491.0092	713355.044	632956.769	639527.681	642406.567	1082186.84	593075.489	315778.546	469097.601	781864.78	97169.842
2.54169	4.164857	4.78437	5.375947	8.867051	2.927441	4.069784	3.445791	3.43852	2.266734	1.752467
1,267	7,057	6,406	9,041	11,261	6,998	6,858	3,459	5,202	4,521	1,111
34.464818	41.466313	40.787293	37.526424	31.323984	22.313135	32.509293	43.155185	36.89173	22.015495	34.894291
34.411557	41.374209	40.778021	37.494853	31.243649	22.220634	32.438384	43.051293	36.876285	22.008155	34.856442
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70148.718	74938.7418	65307.69	70972.4608	58801.8363	50222.0384	60982.0756	65030.0258	68671.182	42842.5376	45023.7194
2284406.41	2578854.11	2205863.75	2411979.17	1999778.73	1798241.57	2081682.87	2218663.28	2319203.95	1516843.76	1625525.87
6085990.99	5992323.09	5260843.88	5847178.45	4885558.97	4492539.31	5449764.16	5690265.27	6147542.04	4171536.16	5592783.43
6731122.52	5804530.56	5059738.03	5562112.69	4456715.18	3687429.66	5327749.64	6088560.47	6381746.78	3690105.2	6337445.94
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3.52	5.01	3.86	4.55	3.85	4.37	5.03	4.78	4.33	5.44	3.51
33462.573	35560.0695	32116.5743	35166.0614	31150.8881	27257.9425	33044.929	32939.2128	36705.3639	35388.1437	28443.7273
8971156.71	11308259.7	9664517.09	9774112.22	7954294.39	8123267.5	8912929.26	9757828.5	10293901.7	7313764.72	7645826
5920967.32	8197066.48	6836159.66	6521501.18	5125936.96	5012074.32	5801736.08	6929471.07	7041290.69	4485407.28	4534632.82
1433597.31	2000108.46	1723682.12	1746232.11	1460558.11	1208719.34	1550741.86	1753236.12	1854298.37	1070051.97	818932.755
71415.6965	81995.5536	71714.1714	80013.7889	70063.1477	57220.1091	67839.7843	68488.5493	73873.1411	47363.4706	46135.0199
33462.573	35560.0695	32116.5743	35166.0614	31150.8881	27257.9425	33044.929	32939.2128	36705.3639	35388.1437	28443.7273
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65997.1009	105386.741	88224.7365	87820.9455	74069.7615	63585.7225	81588.8293	97664.383	99891.2665	52317.69	44503.2042
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
20706.2785	21651.0196	19140.1574	23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
666403.812	1048261.08	858182.212	868821.964	728175.783	742290.731	638049.979	580474.218	606110.708	520485.995	660583.326
-182056.24	130095.271	77050.0044	-131366.44	-183054.99	-139165.48	-148627.8	9239.94894	-54416.963	-140092.37	-174801.15
848460.056	918165.809	781132.208	1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478

2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08	2024-09
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58	3164723.74	3164723.74	2877021.58
-2969775.3	-2828357.4	-3164723.7	-3020872.7	-3020872.7	-3164723.7	-3164723.7	-2877021.6	-3164723.7	-3164723.7	-2877021.6
-2969775.3	-2828357.4	-3164723.7	-3020872.7	-3020872.7	-3164723.7	-3164723.7	-2877021.6	-3164723.7	-3164723.7	-2877021.6
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58	3164723.74	3164723.74	2877021.58
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58	3164723.74	3164723.74	2877021.58
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58	3164723.74	3164723.74	2877021.58

33.729183	34.416933	50.728333	47.275333	39.002523	35.477593	36.700523	36.412773	45.908523	41.736153	35.189843
21.962803	21.962944	22.401959	22.40202	22.402302	22.40202	22.40208	22.40206	22.402181	22.402121	22.402161
33.605474	34.293224	50.606392	47.153392	38.880582	35.355652	36.578582	36.290832	45.786582	41.614212	35.067902
33.700635	34.388385	50.700193	47.247193	38.974383	35.449453	36.672383	36.384633	45.880383	41.708013	35.161703
32.986931	33.674681	49.996684	46.543684	38.270874	34.745944	35.968874	35.681124	45.176874	41.004504	34.458194
33.262897	33.950647	50.268708	46.815708	38.542898	35.017968	36.240898	35.953148	45.448898	41.276528	34.730218
33.681603	34.369353	50.681433	47.228433	38.955623	35.430693	36.653623	36.365873	45.861623	41.689253	35.142943
33.719667	34.407417	50.718953	47.265953	38.993143	35.468213	36.691143	36.403393	45.899143	41.726773	35.180463

20.236722	20.236722	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456
1.09	1.09	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
33.42467	34.11242	50.42817	46.97517	38.70236	35.17743	36.40036	36.11261	45.60836	41.43599	34.88968
5.101102	5.789323	5.944433	5.957048	5.303519	4.758438	4.450001	4.423877	4.438804	4.447989	4.458231
26.375141	26.891004	37.852226	35.551282	29.981638	27.586238	28.375827	28.181815	34.513569	31.732749	27.369399
26.375141	26.891004	37.852226	35.551282	29.981638	27.586238	28.375827	28.181815	34.513569	31.732749	27.369399
		0.55576	0.41682	0.27788		0.41682	0.41682	0.27788	0.41682	0.416819
		0.012777	0.008359	0.003756		0.003604	0.001305	0.003636	0.005162	0.010083
		0.012777	0.008359	0.003756		0.003484	0.001305	0.003636	0.005101	0.010083
		1067.12685	1129.60375	22.392375				1990.77391	722.764046	1909.81657
		3.680068	3.81494	0.083806				6.470795	2.45529	7.517559
		101.2	63.2	28.4		27.6	9.4	28.8	40.4	72.6
0.024345	0.034531	0.02034	0.023422	0.037053	0.032215	0.030994	0.028562	0.02409	0.02892	0.034281
		1406.0728	878.1008	394.5896		383.4744	130.6036	400.1472	561.3176	1008.7044
		29023.3912	18125.2799	8144.90425		7915.47033	2695.84859	8259.62121	11586.4131	20821.1285
		0.875906	0.656929	0.437953		0.656929	0.656929	0.437953	0.656929	0.656929
		1766.30865	1103.07022	495.683455		481.720541	164.064242	502.664912	705.127169	1267.13447
7375.95	6951.375	7758.9	7382.925	7279.875	7664.85	7674.525	6994.35	7729.2	7690.95	6953.175
21.952232	21.723046	22.042329	21.972991	21.666294	21.775142	21.802627	21.857343	21.957954	21.849289	21.728671
7560	7200	7920	7560	7560	7920	7920	7200	7920	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
		101.2	63.2	28.4		27.6	9.4	28.8	40.4	72.6
		12.282471	9.179191	6.126316		9.340893	9.400882	6.225293	9.21385	9.28147
		12.282471	9.179191	6.126316		9.340893	9.400882	6.225293	9.21385	9.28147
		30945.5351	19311.6519	8683.17351		8466.91407	2908.34203	8805.33993	12366.8817	22191.9205
		38758.0893	25432.6923	11616.5002		9756.93842	3239.23577	13153.6589	15836.7234	36072.2798
		7812.5542	6121.04043	2933.32668		1290.02435	330.893733	4348.31896	3469.84174	13880.3593

		38758.0893	25432.6923	11616.5002	9756.93842	3239.23577	13153.6589	15836.7234	36072.2798
		12.26	8.43	6.28	5.64	3.55	3.86	9.23	6.48
		29878.4082	18182.0482	8660.78113	8466.91407	2908.34203	6814.56602	11644.1176	20282.104
		37393.5252	23990.4509	11590.2983	9756.93842	3239.23577	9983.89803	14911.9615	32790.4037
		0.791369	0.578225	0.39718	0.6	0.6	0.388635	0.590984	0.592165
		97.705989	59.501426	28.326682	27.6	9.4	22.281763	38.033509	66.346836
		306.462444	306.41017	305.416046			308.978419	306.448262	308.156012
		6.129248	9.192305	3.05416			6.179568	6.128965	3.08156
		101.2	63.2	28.4	27.6	9.4	28.8	40.4	72.6
		0.2875	0.188095	0.084523	0.078409	0.029375	0.081818	0.114772	0.226875
		7812.5542	6121.04043	2933.32668	1290.02435	330.893733	4348.31896	3469.84174	13880.3593
		7812.5542	6121.04043	2933.32668	1290.02435	330.893733	4348.31896	3469.84174	13880.3593
		3.49401	3.698573	0.073317			6.518236	2.36649	6.253163
		1067.12685	1129.60375	22.392375			1990.77391	722.764046	1909.81657
		0.78	0.56	0.26	0.51	0.19	0.15	0.46	0.34
		-7812.5542	-6121.0404	-2933.3267	-1290.0244	-330.89373	-4348.319	-3469.8417	-13880.359
		-45206.079	-30111.491	-14523.625	-11046.963	-3570.1295	-14332.217	-18381.803	-46670.763
		0.01	0.03				0.03	0.02	0.03
		1438.6018	894.6297	358.2339	305.7649	127.3604	439.4476	589.606	869.5719
		0.04	0.01	0.01	0.04	0.04	0.01	0.03	0.02
		37.4312	9.3578	9.3578	37.4312	37.4312	9.3578	28.0734	18.7156
		30945.5351	19311.6519	8683.17351	8466.91407	2908.34203	8805.33993	12366.8817	22191.9205
		30945.5351	19311.6519	8683.17351	8466.91407	2908.34203	8805.33993	12366.8817	22191.9205
		30789.6999	19228.3501	8640.58771	8397.19087	2859.91283	8762.28613	12291.5403	22088.2629
		101.2	63.2	28.4	27.6	9.4	28.8	40.4	72.6
		37.4312	9.3578	9.3578	37.4312	37.4312	9.3578	28.0734	18.7156
		30945.5351	19311.6519	8683.17351	8466.91407	2908.34203	8805.33993	12366.8817	22191.9205
		118.404	73.944	33.228	32.292	10.998	33.696	47.268	84.942
4.05017	3.39084	5.557209	5.557209	4.89788	5.46302	3.861789	4.61531	6.78168	5.74559	3.20246
0.120509	0.075234	0.259866	0.214926	0.157399	0.171283	0.20609	0.193592	0.289942	0.222575	0.184426
0.116666	0.074031	0.253181	0.205327	0.154285	0.165965	0.199715	0.189062	0.279289	0.217698	0.178656
40275.7383	57523.8209	147883.885	107870.764	39670.2379	16081.9624	66485.0685	66592.2142	244746.211	164847.716	54641.8766
164.446167	192.797945	510.482203	384.323536	152.855317	69.862957	303.953373	234.408365	783.499049	554.502116	211.72053
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509	5701.98	4444.54	3315.86

0.035	0.0265	0.026732	0.031369	0.030416	0.034403	0.03	0.02625	0.033948	0.026051	0.028781
21415.0384	12941.8944	48686.4342	37689.375	28320.2957	31914.9628	38405.0306	33051.271	53706.9496	41863.1223	31232.0853
114016.77	78172.8297	279731.024	215647.731	150755.828	154228.62	174287.465	152219.62	245795.764	193114.26	139359.568
2.220863	2.160185	3.02372	3.038478	2.665926	2.818275	1.808567	2.195394	3.247108	2.741089	1.529307
6486.57361	8351.37283	22441.6831	16242.6436	6329.61072	2802.39416	12226.2484	12285.3435	44912.6934	30011.2248	10224.2102
18805.92	18068.16	19870.22	18876.68	18895.24	19713.62	19803.52	18072.8	19722.9	19884.14	18025.82
55.97	56.463	56.449488	56.180595	56.235833	56.004602	56.26	56.4775	56.030965	56.489034	56.330687
19488	18560	20416	19488	19488	20416	20416	18560	20416	20416	18560
58	58	58	58	58	58	58	58	58	58	58
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509	5701.98	4444.54	3315.86
24.506277	23.41783	33.332978	33.496764	29.549417	31.459033	20.476029	24.842334	36.620413	30.934963	17.243075
24.506277	23.41783	33.332978	33.496764	29.549417	31.459033	20.476029	24.842334	36.620413	30.934963	17.243075
132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642	292930.444	229808.917	166713.039
170908.358	110891.487	608430.957	485782.33	303683.556	264095.973	446352.881	326304.723	523763.341	430938.971	429195.966
38388.3907	21515.541	286142.441	237168.137	128092.003	81794.6669	238372.706	145122.081	230832.897	201130.053	262482.927
170908.358	110891.487	608430.957	485782.33	303683.556	264095.973	446352.881	326304.723	523763.341	430938.971	429195.966
112.66	97.91	226.36	216.01	168.5	173.97	126.21	134.1	212.56	178.7	110.1
92244.2289	31852.1253	174404.631	140743.428	135921.315	166219.343	141495.106	114590.428	48184.233	64961.2011	112071.163
119667.302	38993.8605	342301.839	267657.295	236767.352	238574.328	301320.073	208648.947	75856.9898	108915.174	284485.841
19.827099	10.598116	21.458358	22.679367	25.917087	31.57289	19.498095	20.17732	14.971053	15.195094	15.477395
1584.93097	487.36825	2786.36279	2276.96479	2334.71546	3090.83434	2779.35898	2204.68495	933.671958	1258.29679	2230.37213
59.457426	66.859057	58.514304	58.925159	59.075617	54.935523	50.663775	51.581842	53.177029	52.668509	52.054123
24.352503	24.003082	33.34892	34.168159	27.150902	25.258572	20.236088	24.725388	38.26315	32.079667	17.663997
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509	5701.98	4444.54	3315.86
6.766666	4.293812	14.684545	11.908988	8.948571	9.626022	11.583522	10.965625	16.198806	12.626534	10.362062
38388.3907	21515.541	286142.441	237168.137	128092.003	81794.6669	238372.706	145122.081	230832.897	201130.053	262482.927
38388.3907	21515.541	286142.441	237168.137	128092.003	81794.6669	238372.706	145122.081	230832.897	201130.053	262482.927
688.669031	886.651749	2382.59721	1724.45521	672.004535	297.525656	1298.04102	1304.31505	4768.30804	3186.24321	1085.48787
40275.7383	57523.8209	147883.885	107870.764	39670.2379	16081.9624	66485.0685	66592.2142	244746.211	164847.716	54641.8766
19	11.29	27.19	18.98	18.66	25.46	13.76	16.63	15.23	17.25	11.64
-38388.391	-21515.541	-286142.44	-237168.14	-128092	-81794.667	-238372.71	-145122.08	-230832.9	-201130.05	-262482.93
-158055.69	-60509.401	-628444.28	-504825.43	-364859.36	-320368.99	-539692.78	-353771.03	-306689.89	-310045.23	-546968.77
4.56	5.54	7.24	4.68	2.13	0.89	2.66	4.16	18.27	11.72	2.12
9645.0048	6996.8426	25487.0503	19053.2951	13106.4619	13146.2304	15311.0149	16046.4763	30460.4531	22405.8212	13892.7424
0.53	0.37	0.4	0.36	0.42	0.67	0.6	0.44	0.88	0.58	0.38

223.4533	155.9957	172.02	154.818	180.621	288.1335	258.03	189.222	378.444	249.429	163.419
132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642	292930.444	229808.917	166713.039
132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642	292930.444	229808.917	166713.039
114016.77	78172.8297	279731.024	215647.731	150755.828	154228.62	174287.465	152219.62	245795.764	193114.26	139359.568
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509	5701.98	4444.54	3315.86
223.4533	155.9957	172.02	154.818	180.621	288.1335	258.03	189.222	378.444	249.429	163.419
132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642	292930.444	229808.917	166713.039
18279.744	11047.1208	42385.472	32811.644	24655.104	27784.552	33434.68	28773.8	46756.236	36445.228	27190.052
		0.08	0.12	0.14						
10.996936	10.957655	10.986581	10.987466	10.984535	10.985112	11.15511	11.067266	10.90401	10.982462	11.237917
0.657793	0.690828	0.69728	0.682523	0.667877	0.669363	0.608234	0.631552	0.707983	0.678144	0.563612
0.544135	0.671395	0.674045	0.656499	0.645648	0.644722	0.58728	0.611364	0.680123	0.653963	0.539945
571373.321	746309.63	835764.322	766858.262	689037.139	579732.524	639116.108	660805.962	861861.912	827154.715	580231.541
2315.85526	2561.87594	2913.21774	2788.7384	2766.30542	2592.02919	2946.79391	2607.8071	2922.40829	2956.90817	2473.79054
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674	26573.786	25551.67	19178.864
0.039434	0.028562	0.033352	0.039017	0.034702	0.038579	0.036732	0.034593	0.041136	0.034147	0.042968
220553.196	258404.687	285198.032	265548.88	261734.155	273721.272	251605.089	237200.508	287286.096	277428.132	211871.669
238929.281	279520.946	316724.925	294528.562	289607.722	303532.643	279270.376	263056.009	318720.323	308828.711	235197.929
2.7866	2.7866	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663
374190.552	438409.392	500893.303	466383.497	459683.696	480736.67	441894.018	416595.252	504560.571	487247.027	372110.213
30795.84	34505.46	37768.86	35840.79	36001.74	37564.62	37636.77	34291.23	37464.72	37737.78	33993.75
91.654285	107.829562	107.297897	106.669017	107.148035	106.71767	106.922642	107.160093	106.433863	107.209602	106.230468
37296	35520	39072	37296	37296	39072	39072	35520	39072	39072	35520
111	111	111	111	111	111	111	111	111	111	111
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674	26573.786	25551.67	19178.864
32.525331	32.36725	33.329458	33.436725	33.380161	33.388894	33.927882	33.658232	33.126931	33.365804	34.191004
32.193207	32.086286	33.069795	33.073474	33.069552	33.067176	33.553545	33.302624	32.834592	33.05507	33.789279
649655.925	760427.073	865199.14	807059.965	793556.244	830786.171	764218.023	719765.725	872149.006	843328.907	644077.727
830104.788	962250.503	1701299.31	1479114.61	1166926.93	1085045.15	1186336.57	1026044.72	1468715.56	1323626.36	1010330
180448.863	201823.429	836100.165	672054.645	373370.682	254258.982	422118.543	306278.995	596566.551	480297.457	366252.272
830104.788	962250.503	1701299.31	1479114.61	1166926.93	1085045.15	1186336.57	1026044.72	1468715.56	1323626.36	1010330
277.44	310.86	340.26	322.89	324.34	338.42	339.07	308.93	337.52	339.98	306.25
72999.4036	8346.56352	23465.2986	32739.8031	98300.8558	244337.937	118303.295	53156.0631	3405.56319	9292.66216	57379.2066
117881.321	12410.5818	61780.6765	76277.8894	189241.015	408920.097	278112.536	94473.4586	5147.55269	14858.772	152496.165

24.673761	8.814783	10.711262	16.408529	25.661239	41.404623	26.352388	19.028061	8.547979	10.575642	14.424165
2369.69757	271.64802	735.083571	1028.07476	3100.03091	7673.36893	3711.99406	1668.83717	107.046134	289.314469	1798.78561
26.276961	30.92729	29.090178	28.059255	26.110367	25.263048	19.807935	23.959798	28.893334	27.648015	16.924136
26.244024	30.922097	29.084136	28.050916	26.066884	25.142268	19.759146	23.925528	28.88874	27.638305	16.901189
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674	26573.786	25551.67	19178.864
60.399065	74.524868	74.819102	72.87147	71.667	71.564204	65.18809	67.861481	75.49371	72.589971	59.93395
65165.7079	66755.2996	687027.154	533252.246	236562.24	111184.873	290604.563	182294.29	446402.108	335285.773	255506.951
65165.7079	66755.2996	687027.154	533252.246	236562.24	111184.873	290604.563	182294.29	446402.108	335285.773	255506.951
17924.3884	23576.31	25601.2404	23456.7392	20980.0811	17517.2311	19234.2139	20046.8368	26466.7399	25262.3555	17380.0784
571373.321	746309.63	835764.322	766858.262	689037.139	579732.524	639116.108	660805.962	861861.912	827154.715	580231.541
36.9	11.36	15.43	18.49	36.78	51.01	17.5	15.2	2.74	5.55	12.49
-180448.86	-201823.43	-836100.16	-672054.65	-373370.68	-254258.98	-422118.54	-306279	-596566.55	-480297.46	-366252.27
-298330.18	-214234.01	-897880.84	-748332.53	-562611.7	-663179.08	-700231.08	-400752.45	-601714.1	-495156.23	-518748.44
171.02	260.39	223.58	217.85	196.89	175.84	226.2	208.06	227.22	244.89	218.38
0.142857										
65401.6703	87949.6272	95066.2607	86087.3185	78268.3992	73341.9738	71484.8933	75962.1741	96445.8742	92653.1294	69551.6386
0.65	0.71	0.72	0.9	0.75	0.81	0.82	0.7	0.83	0.83	0.78
5283.2	5770.88	5969.52	7461.9	6218.25	6715.71	6798.62	5803.7	6881.53	6881.53	6466.98
764939.08	895495.203	1014272.15	945862.364	930364.687	973860.28	895732.003	843750.431	1022313.45	988340.592	754823.049
764939.08	895495.203	1014272.15	945862.364	930364.687	973860.28	895732.003	843750.431	1022313.45	988340.592	754823.049
613119.833	717930.338	817618.228	760912.059	749291.417	784269.313	721164.395	679651.261	823280.894	796075.739	607308.142
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674	26573.786	25551.67	19178.864
5283.2	5770.88	5969.52	7461.9	6218.25	6715.71	6798.62	5803.7	6881.53	6881.53	6466.98
764939.08	895495.203	1014272.15	945862.364	930364.687	973860.28	895732.003	843750.431	1022313.45	988340.592	754823.049
31252.8924	36725.8553	41611.3919	38686.0061	38046.577	39801.148	36255.0086	34310.7649	41986.5819	40371.6386	30302.6051
24.71	6.98	7.37	10.2	32.65	45.95	18.07	18.27	3.09	7.57	11.92
		0.6	0.45	0.3		0.3	0.45	0.6	0.45	0.75
		0.012033	0.007814	0.003486		0.002585	0.000958	0.003671	0.004375	0.010296
		0.010625	0.007321	0.003422		0.002585	0.000937	0.003664	0.004375	0.010218
		39.415782	88.68551					219.211072	40.735103	181.14108
		0.133702	0.292025					0.703062	0.139121	0.702637
		11.22	7.38	3.45		2.73	0.9	3.87	4.62	9.81
0.035446	0.030937	0.039176	0.028065	0.030952	0.033806	0.030823	0.034156	0.033437	0.02784	0.035312
		168.3	110.7	51.75		40.95	13.5	58.05	69.3	147.15

		3473.95721	2285.00929	1068.1954		845.267663	278.659669	1198.23658	1430.45297	3037.39039
		0.875906	0.656929	0.437953		0.437953	0.656929	0.875906	0.656929	1.094882
		211.41846	139.06134	65.00835		51.44139	16.9587	72.92241	87.05466	184.84983
972.27	930.3	1014.63	979.71	976.8	1020.3	1023.45	927.21	1020.69	1026.6	926.1
2.89366	2.907187	2.882471	2.915803	2.907142	2.898579	2.907528	2.897531	2.899687	2.916477	2.894062
1008	960	1056	1008	1008	1056	1056	960	1056	1056	960
3	3	3	3	3	3	3	3	3	3	3
		11.22	7.38	3.45		2.73	0.9	3.87	4.62	9.81
		13.138594	9.853945	6.569297		6.569297	9.853945	13.138594	9.853945	16.423242
		13.138594	9.853945	6.569297		6.569297	9.853945	13.138594	9.853945	16.423242
		3685.37567	2424.07063	1133.20375		896.709053	295.618369	1271.15899	1517.50763	3222.24022
		4366.02686	3131.16595	1482.74262		1019.49724	326.185926	1828.85734	1918.35669	5061.1435
		680.651193	707.095322	349.538874		122.788181	30.567556	557.698353	400.849059	1838.90328
		4366.02686	3131.16595	1482.74262		1019.49724	326.185926	1828.85734	1918.35669	5061.1435
		3.74	2.46	1.15		0.91	0.3	1.29	1.54	3.27
		3645.95989	2335.38512	1133.20375		896.709053	295.618369	1051.94791	1476.77253	3041.09914
		4322.02543	3014.29787	1482.74262		1019.49724	326.185926	1483.94465	1869.83686	4775.97719
		0.12	0.09	0.06		0.06	0.09	0.1173	0.089965	0.149794
		11.1	7.11	3.45		2.73	0.9	3.202619	4.495983	9.258522
								328.464854	328.464854	328.464854
								6.569297	3.284648	3.284648
		11.22	7.38	3.45		2.73	0.9	3.87	4.62	9.81
		0.031875	0.021964	0.010267		0.007755	0.002812	0.010994	0.013125	0.030656
		680.651193	707.095322	349.538874		122.788181	30.567556	557.698353	400.849059	1838.90328
		680.651193	707.095322	349.538874		122.788181	30.567556	557.698353	400.849059	1838.90328
		0.12	0.27					0.66738	0.124016	0.551477
		39.415782	88.68551					219.211072	40.735103	181.14108
		-680.65119	-707.09532	-349.53887		-122.78818	-30.567556	-557.69835	-400.84906	-1838.9033
		-5002.6766	-3721.3932	-1832.2815		-1142.2854	-356.75348	-2041.643	-2270.6859	-6614.8805
		1060.3571	696.8481	290.5461		201.6415	81.5739	393.531	448.4089	782.5466
		0.51	0.68	0.41		0.21	0.11	0.26	0.4	0.42
		3685.37567	2424.07063	1133.20375		896.709053	295.618369	1271.15899	1517.50763	3222.24022
		3685.37567	2424.07063	1133.20375		896.709053	295.618369	1271.15899	1517.50763	3222.24022

		3685.37567	2424.07063	1133.20375		896.709053	295.618369	1271.15899	1517.50763	3222.24022
		11.22	7.38	3.45		2.73	0.9	3.87	4.62	9.81
		3685.37567	2424.07063	1133.20375		896.709053	295.618369	1271.15899	1517.50763	3222.24022
11.493328	11.426976	11.582276	11.553377	11.497946	11.495029	11.89276	11.643396	11.388709	11.509884	12.046208
0.747731	0.7636	0.743552	0.739571	0.749508	0.746161	0.6468	0.703626	0.780831	0.749767	0.58466
0.711268	0.656997	0.711337	0.70219	0.719732	0.714176	0.393779	0.670726	0.747648	0.715759	0.499575
258842.674	226624.193	277505.562	261325.922	267263.395	278272.032	156380.394	239321.07	289667.705	278832.326	182567.233
1062.10317	776.315325	968.353235	951.8476	1079.72888	1249.47872	723.007782	953.250401	986.287989	1002.51573	790.310914
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2	11316.41	10833.73	6874.16
0.049672	0.045093	0.042982	0.051339	0.03994	0.043636	0.045312	0.047218	0.0425	0.046363	0.048312
116579.036	102065.852	122313.22	115185.268	117987.773	122639.629	69009.6216	105534.421	127665.472	122842.999	80523.1545
126263.197	110506.618	135797.46	127869.967	130553.591	136171.098	76545.9717	117114.786	141677.845	136489.545	89496.172
2.1391	2.1391	2.1779	2.1779	2.1779	2.1779	2.177899	2.177899	2.1779	2.177899	2.177899
122303.067	107077.285	130618.287	123006.348	125999.143	130966.86	73695.3749	112700.208	136333.958	131184.039	85990.6767
13730.33	11831.02	14485.41	13706.25	13870.94	14475.52	9208.45	13110.27	14492.72	14434.24	11761.79
40.864077	36.971937	41.151732	40.79241	41.282559	41.123636	26.160369	40.969593	41.1725	41.006363	36.755593
14448	13760	15136	14448	14448	15136	15136	13760	15136	15136	13760
43	43	43	43	43	43	43	43	43	43	43
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2	11316.41	10833.73	6874.16
26.063119	25.884692	26.69485	26.755408	26.499636	26.605688	27.500052	26.952923	26.292148	26.592451	27.948907
25.600097	25.46209	26.254801	26.193966	26.080031	26.065655	26.932786	26.390247	25.835437	26.093617	27.263646
262983.685	229880.716	281524.346	265918.818	270995.123	283069.968	159045.914	243585.902	294465.641	283425.222	186257.953
390643.987	347368.622	660356.044	573071.008	463203.485	440415.197	290689.327	411145.298	580677.157	522940.077	354292.406
127660.302	117487.907	378831.699	307152.19	192208.363	157345.229	131643.413	167559.396	286211.516	239514.855	168034.453
390643.987	347368.622	660356.044	573071.008	463203.485	440415.197	290689.327	411145.298	580677.157	522940.077	354292.406
318.9	275.14	336.87	318.75	322.58	336.48	214.15	304.89	337.04	335.68	273.53
31.466301	33.360472	24.248707	33.458244	25.71887	27.026994	17.495864	21.874615	28.898855	27.983288	14.696361
16.677139	7.672908	2.909844	8.699143	5.91534	5.405398	2.799338	5.249907	6.646736	5.87649	3.67409
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2	11316.41	10833.73	6874.16
30.584553	28.250906	30.587528	30.194196	30.948511	30.709602	16.9325	28.84125	32.148892	30.777642	21.48175

66724.4399	64138.0858	314898.578	246944.851	130536.154	93241.4948	95572.0838	112396.555	219480.774	175304.819	125945
66724.4399	64138.0858	314898.578	246944.851	130536.154	93241.4948	95572.0838	112396.555	219480.774	175304.819	125945
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2	11316.41	10833.73	6874.16
258842.674	226624.193	277505.562	261325.922	267263.395	278272.032	156380.394	239321.07	289667.705	278832.326	182567.233
-127660.3	-117487.91	-378831.7	-307152.19	-192208.36	-157345.23	-131643.41	-167559.4	-286211.52	-239514.86	-168034.45
-127660.3	-117487.91	-378831.7	-307152.19	-192208.36	-157345.23	-131643.41	-167559.4	-286211.52	-239514.86	-168034.45
7.24	2.07	1.58	2.49	2.04	2.83	2.09	2.39	2.37	1.85	2.31
	0.099999					0.363636				0.099999
75024.7323	75947.0692	93374.4775	83891.3899	77153.1103	72101.0042	44920.5598	74287.8211	95203.7348	90266.4415	60107.764
1.03	0.81	0.98	1.12	0.91	1.17	0.65	1.04	1.17	1.12	0.9
4141.01097	3256.52319	4018.784	4592.896	3731.728	4797.936	2665.52	4264.832	4797.936	4592.896	3690.72
323919.547	283230.537	345457.466	326126.158	332667.332	347173.702	195117.243	298748.744	361196.383	347635.258	228347.406
323919.547	283230.537	345457.466	326126.158	332667.332	347173.702	195117.243	298748.744	361196.383	347635.258	228347.406
248566.264	217583.903	266415.747	250876.314	256552.734	267137.958	150241.347	229814.994	278011.803	267673.584	175486.849
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2	11316.41	10833.73	6874.16
4141.01097	3256.52319	4018.784	4592.896	3731.728	4797.936	2665.52	4264.832	4797.936	4592.896	3690.72
323919.547	283230.537	345457.466	326126.158	332667.332	347173.702	195117.243	298748.744	361196.383	347635.258	228347.406
10276.41	9040.29	11089.8143	10449.6075	10710.661	11134.0734	6139.0472	9506.076	11655.9023	11158.7419	7080.3848
		0.6	0.45	0.3		0.3	0.45	0.45	0.45	0.75
		0.011987	0.008305	0.003482		0.002525	0.001041	0.003636	0.004375	0.010284
		0.01142	0.007529	0.003482		0.002471	0.000937	0.003636	0.004375	0.010281
		54.80095	75.523433					216.786804	31.45199	158.698216
		0.18573	0.246337					0.694843	0.107002	0.615896
		12.06	7.59	3.51		2.61	0.9	3.84	4.62	9.87
0.034821	0.022031	0.025568	0.03119	0.039136	0.02588	0.025511	0.047156	0.039403	0.024346	0.025281
		180.9	113.85	52.65		39.15	13.5	57.6	69.3	148.05
		3734.03957	2350.02988	1086.77271		808.11304	278.659669	1188.94792	1430.45297	3055.96771
		0.875906	0.656929	0.437953		0.437953	0.656929	0.656929	0.656929	1.094882
		227.24658	143.01837	66.13893		49.18023	16.9587	72.35712	87.05466	185.98041
972.9	938.85	1029	976.56	968.55	1028.67	1029.06	914.73	1014.39	1030.29	935.73
2.895535	2.933906	2.923295	2.906428	2.882589	2.922357	2.923465	2.858531	2.881789	2.92696	2.924156
1008	960	1056	1008	1008	1056	1056	960	1056	1056	960
3	3	3	3	3	3	3	3	3	3	3

		12.06	7.59	3.51	2.61	0.9	3.84	4.62	9.87
		13.138594	9.853945	6.569297	6.569297	9.853945	9.853945	9.853945	16.423242
		13.138594	9.853945	6.569297	6.569297	9.853945	9.853945	9.853945	16.423242
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	1261.30504	1517.50763	3241.94812
		4755.37369	3206.57718	1503.70352	977.188684	326.185926	1818.96764	1918.35669	5084.67497
		794.087547	713.528936	350.791882	119.895414	30.567556	557.662595	400.849059	1842.72686
		4755.37369	3206.57718	1503.70352	977.188684	326.185926	1818.96764	1918.35669	5084.67497
		4.02	2.53	1.17	0.87	0.3	1.28	1.54	3.29
		3906.4852	2417.52481	1152.91164	857.29327	295.618369	1044.51824	1486.05564	3083.2499
		4691.76293	3108.10979	1503.70352	977.188684	326.185926	1477.16497	1880.18358	4841.60344
		0.119926	0.089813	0.06	0.06	0.09	0.09	0.089951	0.149984
		11.89316	7.360071	3.51	2.61	0.9	3.18	4.524245	9.386848
		328.464854	328.464854				455.80462	328.464854	328.464854
		3.284648	3.284648				4.558046	3.284648	3.284648
		12.06	7.59	3.51	2.61	0.9	3.84	4.62	9.87
		0.034261	0.022589	0.010446	0.007414	0.002812	0.010909	0.013125	0.030843
		794.087547	713.528936	350.791882	119.895414	30.567556	557.662595	400.849059	1842.72686
		794.087547	713.528936	350.791882	119.895414	30.567556	557.662595	400.849059	1842.72686
		0.166839	0.229928				0.66	0.095754	0.483151
		54.80095	75.523433				216.786804	31.45199	158.698216
		0.01	0.18		0.04		0.14	0.19	0.05
		-794.08755	-713.52894	-350.79188	-119.89541	-30.567556	-557.6626	-400.84906	-1842.7269
		-5485.8505	-3821.6387	-1854.4954	-1097.0841	-356.75348	-2034.8276	-2281.0326	-6684.3303
							0.04		
		1140.791	717.5459	295.586	193.1102	81.5739	390.4719	448.4089	787.5021
		0.56	0.71	0.43	0.2	0.11	0.25	0.4	0.42
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	1261.30504	1517.50763	3241.94812
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	1261.30504	1517.50763	3241.94812
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	1261.30504	1517.50763	3241.94812
		12.06	7.59	3.51	2.61	0.9	3.84	4.62	9.87
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	1261.30504	1517.50763	3241.94812
4.369292	2.530835	6.258378	6.97578	4.689015	5.662413	4.153467	5.705409	8.573785	6.677906	4.008115
0.041862	0.018455	0.147323	0.133307	0.086243	0.084465	0.151939	0.117824	0.17738	0.1286	0.132746
0.04072	0.018068	0.142022	0.129565	0.085279	0.081511	0.150187	0.114431	0.171875	0.125625	0.127756

5063.85725	6215.73467	27766.138	25030.3732	6693.41334	2616.4196	14541.4103	15014.3685	87838.0273	42205.5172	15142.5523
21.011543	20.779227	95.539227	88.720258	25.566844	11.134809	66.402759	50.651879	271.458229	137.386975	55.761605
684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9	3025	2211	2044.1
0.025788	0.03289	0.029545	0.034092	0.027008	0.03071	0.026519	0.031515	0.02625	0.030823	0.035406
9719.3	4090.3	35986.8	31435.9	20614.3	20562.6	38278.5	26404.5	43595	31843.8	29606.5
50444.4545	24470.3041	199121.722	174073.271	108088.326	99810.4606	173899.274	123576.673	200797.589	147785.672	131480.427
1.567451	1.094761	2.164748	2.46091	1.642631	1.937989	1.311109	1.801249	2.717391	2.120585	1.256115
957.273511	1045.54763	5178.69498	4448.70241	1190.22242	529.850872	3145.75018	3264.53965	19098.0652	8986.07283	3393.23703
16413.7	15438.5	17014.9	16243	16317.3	17016.9	17227.3	15558	17102.3	17051.8	15361.8
48.850297	48.245312	48.337784	48.342261	48.563392	48.343465	48.941193	48.61875	48.586079	48.442613	48.005625
16800	16000	17600	16800	16800	17600	17600	16000	17600	17600	16000
50	50	50	50	50	50	50	50	50	50	50
684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9	3025	2211	2044.1
34.540273	20.58472	57.371537	61.664811	40.462776	44.860199	35.775581	46.973169	75.897489	53.824808	33.275532
22.300747	15.466438	30.977111	35.170016	23.447079	27.716987	18.881929	25.927317	39.178831	30.250624	18.075327
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599	201741.079	148238.067	132017.019
60681.4663	28296.1741	375811.75	322081.734	182363.514	135711.363	338896.525	210426.404	341786.967	277171.562	318206.56
10101.2467	3772.986	175864.175	147537.253	73943.7585	35557.7903	164213.802	86296.8047	140045.889	128933.495	186189.541
60681.4663	28296.1741	375811.75	322081.734	182363.514	135711.363	338896.525	210426.404	341786.967	277171.562	318206.56
109.38	65.22	266.46	265.79	165.83	160.93	176.82	186.21	324.52	232.85	160.71
45516.3623	18307.4534	172181.436	149514.108	101726.342	97537.153	160141.313	109115.23	113903.051	106032.549	116874.467
54722.9383	21071.4483	327582.874	275336.491	171474.463	131502.413	310728.976	187406.857	183971.128	195343.409	278639.672
6.446213	3.392564	9.672237	10.148623	7.33367	8.96049	6.600489	8.74709	11.14105	9.380973	6.271818
615.953561	214.651241	2134.04365	1862.7816	1348.53465	1396.94356	2421.74938	1600.43566	1682.45049	1577.32866	1805.82698
77.395375	89.261224	81.571926	83.433442	79.75208	70.113235	74.367089	72.779395	78.002543	75.791321	84.070784
16.253028	14.281795	29.328815	31.699849	22.330582	9.11472	19.330873	24.63922	45.926352	34.045384	20.965662
684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9	3025	2211	2044.1
2.036011	0.903437	7.101136	6.478273	4.263988	4.075568	7.509375	5.721562	8.59375	6.28125	6.387812
10101.2467	3772.986	175864.175	147537.253	73943.7585	35557.7903	164213.802	86296.8047	140045.889	128933.495	186189.541
10101.2467	3772.986	175864.175	147537.253	73943.7585	35557.7903	164213.802	86296.8047	140045.889	128933.495	186189.541
68.146438	74.448758	365.556351	313.9184	84.165353	37.656444	221.550621	230.464335	1342.54951	633.671343	238.273023
5063.85725	6215.73467	27766.138	25030.3732	6693.41334	2616.4196	14541.4103	15014.3685	87838.0273	42205.5172	15142.5523
8.94	3.59	34.31	32.88	21.26	22.55	43.91	28.99	38.08	30.54	31.14
-10101.247	-3772.986	-175864.18	-147537.25	-73943.758	-35557.79	-164213.8	-86296.805	-140045.89	-128933.49	-186189.54
-64824.185	-24844.434	-503447.05	-422873.74	-245418.22	-167060.2	-474942.78	-273703.66	-324017.02	-324276.9	-464829.21

0.42	0.48	2.55	1.79	0.58	0.11	1.51	1.54	11.13	4.38	1.68
5076.161	2452.2406	24879.6276	21662.8278	12576.9112	10819.5462	21334.2848	17414.7293	33508.5937	22846.4614	18546.4125
0.14	0.07	0.64	0.14	0.17	0.26	0.4	0.38	0.69	0.16	0.22
81.37	36.439	438.816	95.991	114.395	156.614	287.253	251.885	457.94	105.373	150.843
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599	201741.079	148238.067	132017.019
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599	201741.079	148238.067	132017.019
50444.4545	24470.3041	199121.722	174073.271	108088.326	99810.4606	173899.274	123576.673	200797.589	147785.672	131480.427
684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9	3025	2211	2044.1
81.37	36.439	438.816	95.991	114.395	156.614	287.253	251.885	457.94	105.373	150.843
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599	201741.079	148238.067	132017.019
54.395	16.445	387.035999	375.218999	217.035	186.498	496.196999	301.041	485.55	347.021999	385.748999
				0.01						
		0.6	0.45	0.3		0.3	0.45	0.6	0.45	0.75
		0.012335	0.007924	0.003482		0.002517	0.000957	0.003743	0.004337	0.010356
		0.012187	0.007142	0.003482		0.002471	0.000937	0.003153	0.003835	0.010125
		41.897085	87.717289					211.878427	39.415782	192.216543
		0.142383	0.283722					0.661788	0.133915	0.7495
		17.16	9.6	4.68		3.48	1.2	4.44	5.4	12.96
0.035	0.046843	0.02696	0.026964	0.027142	0.027357	0.04159	0.037468	0.037045	0.030482	0.020218
		257.4	144	70.2		52.2	18	66.6	81	194.4
		5313.11103	2972.36981	1449.03028		1077.48405	371.546225	1374.72103	1671.95802	4012.69924
		0.875906	0.656929	0.437953		0.437953	0.656929	0.875906	0.656929	1.094882
		323.345879	180.8928	88.18524		65.57364	22.6116	83.66292	101.7522	244.205279
1296.96	1220.04	1370.04	1307.76	1307.52	1369.48	1349.44	1232.04	1355.84	1365.08	1254.12
3.86	3.812625	3.892159	3.892142	3.891428	3.890568	3.833636	3.850125	3.851818	3.878068	3.919125
1344	1280	1408	1344	1344	1408	1408	1280	1408	1408	1280
4	4	4	4	4	4	4	4	4	4	4
		17.16	9.6	4.68		3.48	1.2	4.44	5.4	12.96
		13.138594	9.853945	6.569297		6.569297	9.853945	13.138594	9.853945	16.423242
		13.138594	9.853945	6.569297		6.569297	9.853945	13.138594	9.853945	16.423242
		5636.45691	3153.26261	1537.21552		1143.05769	394.157825	1458.38395	1773.71022	4256.90452
		6766.42207	4055.14341	2004.93803		1302.86935	434.914568	2136.58944	2244.29333	6704.54244
		1129.96517	901.8808	467.72251		159.811655	40.756742	678.205484	470.58311	2447.63792
		6766.42207	4055.14341	2004.93803		1302.86935	434.914568	2136.58944	2244.29333	6704.54244

		4.29	2.4	1.17	0.87	0.3	1.11	1.35	3.24	
		5594.55982	3065.54532	1537.21552	1143.05769	394.157825	1246.50553	1734.29443	4064.68797	
		6719.00665	3940.66838	2004.93803	1302.86935	434.914568	1797.0888	2195.98251	6422.30977	
		0.159462	0.119699	0.08	0.08	0.12	0.159095	0.12	0.199761	
		17.032445	9.332947	4.68	3.48	1.2	3.794943	5.28	12.374803	
		333.962569	420.639206				413.443547	402.843396	409.698151	
		6.679251	4.206392				8.26887	4.028433	8.193963	
		17.16	9.6	4.68	3.48	1.2	4.44	5.4	12.96	
		0.04875	0.028571	0.013928	0.009886	0.00375	0.012613	0.01534	0.0405	
		1129.96517	901.8808	467.72251	159.811655	40.756742	678.205484	470.58311	2447.63792	
		1129.96517	901.8808	467.72251	159.811655	40.756742	678.205484	470.58311	2447.63792	
		0.127554	0.267052				0.645056	0.12	0.585196	
		41.897085	87.717289				211.878427	39.415782	192.216543	
		4.25	2.33	1.16	0.87	0.28	0.96	1.32	3.09	
		-1129.9652	-901.8808	-467.72251	-159.81166	-40.756742	-678.20548	-470.58311	-2447.6379	
		-7848.9718	-4842.5492	-2472.6605	-1462.681	-475.67131	-2475.2943	-2666.5656	-8869.9477	
		0.01	0.06				0.14	0.03	0.14	
		1218.2862	679.7653	295.586	192.3301	81.5739	339.3988	396.9837	775.4105	
		0.56	0.68	0.43	0.2	0.11	0.23	0.34	0.41	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	1458.38395	1773.71022	4256.90452	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	1458.38395	1773.71022	4256.90452	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	1458.38395	1773.71022	4256.90452	
		17.16	9.6	4.68	3.48	1.2	4.44	5.4	12.96	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	1458.38395	1773.71022	4256.90452	
10.423227	10.383248	10.450184	10.432096	10.407227	10.411384	10.683839	10.528072	10.327093	10.424522	10.803513
0.568841	0.594576	0.601393	0.589169	0.570222	0.572511	0.4403	0.516961	0.609598	0.574222	0.424478
0.539206	0.562877	0.572001	0.559102	0.532533	0.54421	0.299604	0.489258	0.57448	0.543436	0.396953
299704.395	297136.319	344963.986	322570.989	307161.869	328804.95	182991.143	270586.771	346444.444	328934.602	222557.672
1229.02521	1020.59892	1204.73792	1175.22822	1237.04513	1475.31589	846.397326	1068.83554	1170.07336	1172.24538	951.566223
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572	11849.934	11209.566	7443.668
0.052142	0.052093	0.049232	0.050476	0.064672	0.054346	0.067215	0.055062	0.05963	0.056647	0.062906
108547.704	107633.643	120185.957	112365.449	107219.999	114694.404	63815.5439	94346.44	120707.239	114482.366	77548.5423
117165.924	116073.602	133431.453	124821.41	118488.208	127179.254	70826.5386	104589.843	133993.807	127461.113	86190.7904
2.7222	2.7222	2.819	2.819	2.819	2.819	2.819	2.818999	2.819	2.819	2.818999

177171.563	175679.632	205397.801	192032.552	183238.979	196012.737	109060.765	161238.066	206288.671	195650.363	132530.459
18662.928	17775.138	19611.662	18695.744	18416.222	19506.182	14004.814	17719.468	19397.186	19458.716	17572.382
55.544428	55.547306	55.714948	55.642095	54.810184	55.415289	39.786403	55.373337	55.105642	55.280443	54.913693
19689.6	18752	20627.2	19689.6	19689.6	20627.2	20627.2	18752	20627.2	20627.2	18752
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572	11849.934	11209.566	7443.668
31.54074	31.956679	33.137568	32.825805	32.93836	32.562093	37.274797	33.84	32.137801	32.894069	35.764936
28.894707	28.789754	29.977848	29.929052	29.863445	29.86934	30.639173	30.198784	29.633097	29.902409	30.972938
322002	321027.68	368217.678	344529.267	331176.726	351538.219	206353.949	292177.516	370069.543	351263.378	245286.933
448342.549	434705.204	820532.794	697251.572	530554.995	517360.771	366413.168	469613.699	683999.144	610564.287	476294.238
126340.55	113677.524	452315.116	352722.305	199378.269	165822.552	160059.219	177436.183	313929.601	259300.909	231007.305
448342.549	434705.204	820532.794	697251.572	530554.995	517360.771	366413.168	469613.699	683999.144	610564.287	476294.238
318.48	303.33	334.67	319.04	314.27	331.91	238.99	302.38	331.01	332.06	299.87
47.635208		0.64165	7.398347	17.709369	224.317098	109.756497	11.915039		5.847868	34.284663
69.257167		0.953514	21.054807	28.761304	363.686139	208.623658	17.838982		8.610646	98.422448
1.232117		0.018838	0.231996	0.550402	3.497175	2.157639	0.367697		0.184111	0.666002
1.529084		0.018838	0.231996	0.550402	7.249362	3.556839	0.367697		0.184111	1.119335
28.900449	33.308544	34.765547	33.789978	30.343209	28.139839	20.919844	27.069015	30.225407	28.934917	18.731518
28.900348	26.97992	25.031194	26.356183	24.88099	23.351891	14.016296	19.74918	25.389342	21.122489	13.674008
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572	11849.934	11209.566	7443.668
31.597476	32.984593	33.519306	32.763422	31.206452	31.890715	17.556795	28.670537	33.664585	31.845357	23.261462
69602.6647	57417.4191	389493.917	293988.885	143334.375	105871.787	126702.835	128121.298	250835.927	199460.976	190472.682
69602.6647	57417.4191	389493.917	293988.885	143334.375	105871.787	126702.835	128121.298	250835.927	199460.976	190472.682
10615.2229	10555.07	11798.7772	11008.278	10484.8176	11218.2826	6176.43516	9174.2043	11849.934	11209.3819	7442.54866
299704.395	297136.319	344963.986	322570.989	307161.869	328804.95	182991.143	270586.771	346444.444	328934.602	222557.672
0.06		0.01		0.05	0.2	0.04			0.01	0.02
-126340.55	-113677.52	-452315.12	-352722.31	-199378.27	-165822.55	-160059.22	-177436.18	-313929.6	-259300.91	-231007.3
-126409.81	-113677.52	-452316.07	-352743.36	-199407.03	-166186.24	-160267.84	-177454.02	-313929.6	-259309.52	-231105.73
55.03	15.08	13.57	15.69	14.85	16.67	9.92	14.61	15.36	14.39	15.98
						0.272727				
70268.8165	79262.4533	87100.8219	79855.1636	70426.4764	67606.8809	42989.955	69251.6596	87967.0003	83692.8185	63409.5782
1.22	1.31	1.25	1.18	1.29	1.21	1.25	1.16	1.27	1.2	1.22
22249.9696	23891.3608	23253.05	21950.8792	23997.1476	22508.9524	23253.05	21578.8304	23625.0988	22322.928	22694.9768
378739.885	377287.785	431038.878	403262.687	387220.62	411488.985	239710.334	341492.4	433163.216	411103.31	285821.556
378739.885	377287.785	431038.878	403262.687	387220.62	411488.985	239710.334	341492.4	433163.216	411103.31	285821.556

294337.487	291753.233	338829.254	316853.962	301727.187	323191.99	179887.303	265827.908	340282.478	323111.476	218721.249
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572	11849.934	11209.566	7443.668
22249.9696	23891.3608	23253.05	21950.8792	23997.1476	22508.9524	23253.05	21578.8304	23625.0988	22322.928	22694.9768
378739.885	377287.785	431038.878	403262.687	387220.62	411488.985	239710.334	341492.4	433163.216	411103.31	285821.556
5414.54352	5383.0857	6135.37392	5724.4252	5452.39136	5837.27664	3213.59584	4770.77744	6161.96568	5828.97432	3870.70736
0.08			0.01	0.04	0.1	0.07	0.02			0.02
2.85	1.5	5.7	6	4.5	4.35	3.9	5.1	7.8	6.15	3.75
0.034482	0.013561	0.13504	0.125464	0.08017	0.074889	0.14751	0.110819	0.16858	0.119112	0.12876
0.034136	0.013187	0.131534	0.119196	0.076101	0.072982	0.142414	0.108531	0.161477	0.116647	0.125
547.096796	804.393642	4292.88475	3650.17396	947.606655	206.346992	2072.70677	2371.43124	16050.179	7007.0544	2762.3052
2.276451	2.683271	14.772537	12.877746	3.567739	0.84173	9.605276	7.836524	49.056374	22.537705	9.873603
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22	795.76	574.84	560
0.033869	0.029781	0.021335	0.028482	0.036398	0.042187	0.03713	0.017781	0.036079	0.03463	0.026843
2408.7	886.2	9723	8410.5	5369.7	5394.9	10527.3	7293.3	11936.4	8622.6	8400
12394.1435	5327.23397	53836.8701	46751.1119	27938.3189	26278.7728	47767.1944	34188.1178	55079.2522	40093.9133	37326.9659
0.979409	0.610419	1.876058	2.028124	1.476873	1.391758	1.183128	1.535992	2.358061	1.864109	1.116629
100.998244	131.924503	769.681066	658.482703	157.202246	43.665199	443.724138	516.377978	3475.23025	1481.87997	616.418093
4544.68	4346.58	4822.86	4570.02	4532.78	4720.1	4745.02	4400.34	4750.2	4757.34	4359.74
13.525833	13.583062	13.701306	13.60125	13.490416	13.409375	13.48017	13.751062	13.494886	13.51517	13.624187
4704	4480	4928	4704	4704	4928	4928	4480	4928	4928	4480
14	14	14	14	14	14	14	14	14	14	14
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22	795.76	574.84	560
14.750296	9.235593	28.645102	30.551281	22.305756	21.176022	17.927584	23.630728	35.850026	28.223719	16.838695
14.750296	9.235593	28.645102	30.551281	22.305756	21.176022	17.927584	23.630728	35.850026	28.223719	16.838695
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178	55425.7522	40219.9133	37400.4659
14743.531	6100.43101	101554.266	85598.1329	46644.2277	35281.8804	92373.2673	57363.0911	92691.5778	75485.2296	87942.2009
2307.38751	741.697038	47360.3957	38742.021	18600.9088	8887.60759	44364.5729	23017.4733	37265.8256	35265.3163	50541.735
14743.531	6100.43101	101554.266	85598.1329	46644.2277	35281.8804	92373.2673	57363.0911	92691.5778	75485.2296	87942.2009
55.51	31.61	143.9	152.72	100.53	89.84	110.87	107.36	168.04	135.68	96.93
11889.0467	4554.34033	49900.9853	43205.9379	27095.7122	26187.9258	45935.9876	31974.1866	39375.5732	33212.8589	34638.1607
14122.7812	5195.73245	94274.4718	78579.4357	45343.0653	34973.8587	88551.3545	53827.5418	64156.3371	62805.8557	80597.5145
2.632231	1.347574	5.106515	5.541814	4.153863	4.047873	3.627523	4.701946	6.840221	5.441029	3.46962
153.846783	50.285033	596.887928	516.801153	347.49985	356.748986	672.23839	451.794801	564.077983	476.048002	518.90546
87.454709	96.111247	83.652846	89.282732	85.941037	71.271536	82.006862	69.901133	71.971802	72.361089	70.0041

8.884163	8.650012	24.220974	24.999164	13.750565	4.276292	11.241236	16.776272	37.211478	23.879159	14.00082
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22	795.76	574.84	560
0.477916	0.184625	1.841477	1.66875	1.065416	1.021761	1.993806	1.519437	2.260681	1.633068	1.75
2307.38751	741.697038	47360.3957	38742.021	18600.9088	8887.60759	44364.5729	23017.4733	37265.8256	35265.3163	50541.735
2307.38751	741.697038	47360.3957	38742.021	18600.9088	8887.60759	44364.5729	23017.4733	37265.8256	35265.3163	50541.735
6.733216	8.794966	51.312071	43.898846	10.480149	2.911013	29.581609	34.425198	231.682016	98.791997	41.094539
547.096796	804.393642	4292.88475	3650.17396	947.606655	206.346992	2072.70677	2371.43124	16050.179	7007.0544	2762.3052
6.48	2.48	12.88	9.01	8	10.23	8.7	8.9	13.03	10.2	7.5
-2307.3875	-741.69704	-47360.396	-38742.021	-18600.909	-8887.6076	-44364.573	-23017.473	-37265.826	-35265.316	-50541.735
-16430.169	-5937.4295	-141634.87	-117321.46	-63943.974	-43861.466	-132915.93	-76845.015	-101422.16	-98071.172	-131139.25
0.24	0.36	1.08	0.61	0.22	0.01	0.33	0.59	3.66	1.58	0.51
2816.1136	1245.4403	13192.7533	11064.0297	6477.0665	5806.8845	10923.7959	9311.9311	17831.4808	12108.421	9806.2954
0.04	0.03	0.34	0.1	0.1	0.11	0.23	0.15	0.33	0.12	0.07
42	31.5	357	105	105	115.5	241.5	157.5	346.5	126	73.5
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178	55425.7522	40219.9133	37400.4659
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178	55425.7522	40219.9133	37400.4659
12394.1435	5327.23397	53836.8701	46751.1119	27938.3189	26278.7728	47767.1944	34188.1178	55079.2522	40093.9133	37326.9659
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22	795.76	574.84	560
42	31.5	357	105	105	115.5	241.5	157.5	346.5	126	73.5
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178	55425.7522	40219.9133	37400.4659

10.98703	10.915857	11.066377	11.05746	11.014436	11.002209	11.29705	11.140104	10.977704	11.03847	11.391572
0.390143	0.403428	0.459835	0.442908	0.419992	0.421925	0.373711	0.405521	0.47807	0.441098	0.355992
0.359198	0.384479	0.443899	0.42535	0.403756	0.405578	0.329249	0.391224	0.458939	0.424707	0.336436
1175807.08	1334614.09	1639380.02	1488688.01	1310796.05	1205714.23	1061586.83	1254691.82	1849247.13	1649816.3	1060345.05
4794.7178	4575.05063	5711.24474	5406.37279	5265.15314	5398.6633	4896.16043	4922.78982	6191.31379	5848.93141	4502.60901
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966	59303.82	54880.386	39521.892
0.035573	0.034741	0.031342	0.03441	0.035857	0.035803	0.036213	0.035571	0.036342	0.033734	0.035974
479222.975	486022.576	624106.116	571882.022	541815.412	568927.769	472156.86	504006.043	645479.554	597863.936	440680.256
659213.77	614071.533	1160187.95	1009424.74	837180.896	847200.848	833243.154	798369.762	1108086.11	969892.491	749979.039
2.716536	2.712563	2.986784	2.95169	2.851205	2.825158	2.902017	2.838122	2.930891	2.869077	2.857713
673665.182	721166.309	839437.711	782988.44	769636.833	807716.267	625298.074	690754.119	847914.807	815062.418	592513.518
7544.84536	9528.84496	28390.0592	21349.8287	7677.03539	3375.91023	15815.7227	16066.2611	67485.9889	40479.1776	14233.8654
113571.478	112005.423	124746.482	118579.439	118566.967	124080.242	113702.349	113220.438	124050.146	124436.936	111144.407

338.010351	350.016946	354.393414	352.914997	352.877877	352.500687	323.018036	353.813868	352.415187	353.514022	347.326271
123345.6	117472	129219.2	123345.6	123345.6	129219.2	129219.2	117472	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966	59303.82	54880.386	39521.892
163.926038	143.446767	264.20975	257.471825	210.970317	190.051933	201.930711	228.860108	282.281236	244.611503	223.813349
31.171401	30.909518	34.573272	34.103547	32.833755	32.531	34.360538	33.094579	33.82476	33.195923	33.991377
1430177.94	1430593.34	2135599.78	1914904.87	1720289.22	1774243.51	1571653.45	1599080.74	2099577.65	1913460.01	1444666.15
1915424.68	1889612.42	4322631.03	3678724.97	2709984.59	2477910.34	2734118.23	2505224.46	3710571.82	3262644.22	2729184.01
485246.74	459019.084	2187031.25	1763820.1	989695.364	703666.827	1162464.78	906143.718	1610994.17	1349184.21	1284517.86
1915424.68	1889612.42	4322631.03	3678724.97	2709984.59	2477910.34	2734118.23	2505224.46	3710571.82	3262644.22	2729184.01
1192.37	1084.07	1672.83	1611.02	1405.82	1431.55	1214.4	1348.32	1718.23	1568.61	1263.67
222696.677	63060.4826	462978.405	392211.179	375546.047	534506.677	477349.433	312741.559	215025.959	229846.36	351468.423
306463.6	77671.623	879067.136	731925.693	659436.34	814334.382	991978.056	548701.165	343874.104	402789.786	845147.909
8.751091	3.935086	5.257291	6.003335	6.504282	14.063363	5.966966	5.6972	4.854217	4.640793	4.333866
4725.95797	1023.95255	6390.12837	5768.15875	7171.29795	12525.1452	9625.31765	5938.52028	3319.70589	3653.50576	6452.37652
32.883158	36.602095	41.256781	41.471776	35.886031	31.214868	26.905728	32.993991	46.279931	39.816786	26.333963
32.741657	36.576597	41.237956	41.464719	35.859326	31.155395	26.83112	32.942445	46.200143	39.782249	26.303843
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966	59303.82	54880.386	39521.892
131.86169	141.142243	162.955482	156.146321	148.219107	148.887875	120.867556	143.618643	168.476761	155.910187	123.505912
252289.837	214341.029	1911203.92	1506076.94	735170.819	436538.219	961523.081	677681.287	1331005.31	1080122.56	1091148.46
252289.837	214341.029	1911203.92	1506076.94	735170.819	436538.219	961523.081	677681.287	1331005.31	1080122.56	1091148.46
39579.57	44141.5655	50970.2016	46697.0053	42630.322	39883.3868	32920.0624	40019.4457	55984.1141	51226.8802	33069.5155
1175807.08	1334614.09	1639380.02	1488688.01	1310796.05	1205714.23	1061586.83	1254691.82	1849247.13	1649816.3	1060345.05
71.38	28.72	94.86	82.43	86.17	109.45	85.33	70.19	70.33	65.52	66.27
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238.51	283.92	249.62	243.2	216.71	196.35	242.71	231.35	278.22	278.86	241.15
0.012987	0.00909					0.057851				0.00909
228232.499	253853.673	343959.027	304602.814	259248.378	242822.52	207857.35	262646.874	362979.986	325856.501	238529.462
3.61	3.3	6	5.88	4.92	4.23	4.6	4.24	5.92	5.18	4.84
32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006	36496.8066	34306.2294	33259.1544
1663134.84	1675271.39	2411427.11	2172648.03	1974813.77	2041372.12	1772595.15	1827543.17	2379566.51	2182521.66	1638035.55
1663134.84	1675271.39	2411427.11	2172648.03	1974813.77	2041372.12	1772595.15	1827543.17	2379566.51	2182521.66	1638035.55
1332878.95	1335237.84	1999625.66	1792413.18	1606817.73	1654917.12	1458541.23	1489123.88	1956000.91	1784954.91	1342492.56
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966	59303.82	54880.386	39521.892

32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006	36496.8066	34306.2294	33259.1544
1663134.84	1675271.39	2411427.11	2172648.03	1974813.77	2041372.12	1772595.15	1827543.17	2379566.51	2182521.66	1638035.55
65277.985	62212.7968	101727.492	88120.8458	79114.9963	84743.548	79570.8207	77673.4574	107079.932	94198.8728	68914.4403
24.79	6.98	7.45	10.33	32.84	46.05	18.14	18.29	3.09	7.57	11.94

2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851	846098.377	716128.661	280023.552
2081.94909	2580.45569	1969.81317	1874.47177	1522.14831	1202.52029	1310.80692	1730.64368	2855.67857	2538.57553	1172.1556
-82085.164	-93206.809	-101058.06	-92360.317	-83313.481	-78493.731	-76328.463	-81108.459	-103611.42	-98566.708	-75179.658
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593	103611.416	98566.7076	75179.658
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851	846098.377	716128.661	280023.552
238.47	283.08	248.75	242.34	215.79	195.91	248.01	230.52	277.59	277.88	241.31
176.229979	209.51695	183.65594	186.957672	162.411863	134.764522	149.668265	188.202906	226.522098	210.07507	180.606216
87.079993	101.148984	93.988945	90.842892	76.822088	64.730572	76.245642	90.231223	107.673549	103.107966	94.10064
23282.0818	30206.8254	28342.7877	26238.3811	19259.3671	14668.3676	21979.0727	24339.0344	32835.67	32418.9806	26550.7607
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-244.30108	-291.27128	-287.09678	-274.8819	-247.95679	-222.99355	-216.84223	-253.46394	-294.35061	-280.01906	-234.93643
-2773011	-3216820	-5110743	-4386576	-3273380.4	-2792718.9	-2804920.6	-3015195.8	-4888495.5	-4194409.6	-2703888.1
-33.822391	-34.521593	-50.753669	-47.491894	-39.294754	-35.612713	-36.829474	-37.234068	-47.094299	-42.516223	-35.759253
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2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
3280635.44	3972697.53	5681148.06	4905158.31	3652249.46	3061914.06	3090106.33	3463055.65	5734593.87	4910538.25	2983911.69
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593	103611.416	98566.7076	75179.658
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14

2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851	846098.377	716128.661	280023.552
2081.94909	2580.45569	1969.81317	1874.47177	1522.14831	1202.52029	1310.80692	1730.64368	2855.67857	2538.57553	1172.1556
-82085.164	-93206.809	-101058.06	-92360.317	-83313.481	-78493.731	-76328.463	-81108.459	-103611.42	-98566.708	-75179.658
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593	103611.416	98566.7076	75179.658
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851	846098.377	716128.661	280023.552
238.47	283.08	248.75	242.34	215.79	195.91	248.01	230.52	277.59	277.88	241.31

176.229979	209.51695	183.65594	186.957672	162.411863	134.764522	149.668265	188.202906	226.522098	210.07507	180.606216
87.079993	101.148984	93.988945	90.842892	76.822088	64.730572	76.245642	90.231223	107.673549	103.107966	94.10064
23282.0818	30206.8254	28342.7877	26238.3811	19259.3671	14668.3676	21979.0727	24339.0344	32835.67	32418.9806	26550.7607
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2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
3280635.44	3972697.53	5681148.06	4905158.31	3652249.46	3061914.06	3090106.33	3463055.65	5734593.87	4910538.25	2983911.69
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593	103611.416	98566.7076	75179.658
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14

232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133	170684.142	168044.409	195024.263
953.44586	775.896504	936.214601	932.346688	1068.74078	1341.20424	1272.62397	810.334185	587.38802	606.933265	839.844069
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695	4539.47186	4469.26621	5186.81551
216471.889	213719.427	359596.856	320054.139	273006.697	281161.637	266033.205	194162.066	205782.348	184533.307	180267.529
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695	4539.47186	4469.26621	5186.81551
19.144017	19.513157	20.25236	20.21763	20.875408	22.528131	20.786195	16.761646	12.896226	12.696779	16.208798
-15544.412	-11509.237	91552.81	64632.6883	9275.13384	-17002.687	-9076.2473	-7514.0675	35098.2066	16488.8979	-14756.735
-15544.412	-11509.237	91552.81	64632.6883	9275.13384	-17002.687	-9076.2473	-7514.0675	35098.2066	16488.8979	-14756.735
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695	4539.47186	4469.26621	5186.81551
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133	170684.142	168044.409	195024.263
15544.4116	11509.2372	-91552.81	-64632.688	-9275.1338	17002.6866	9076.2473	7514.06754	-35098.207	-16488.898	14756.7346
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232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133	170684.142	168044.409	195024.263

232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133	170684.142	168044.409	195024.263
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695	4539.47186	4469.26621	5186.81551
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133	170684.142	168044.409	195024.263
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133	170684.142	168044.409	195024.263
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695	4539.47186	4469.26621	5186.81551
216471.889	213719.427	359596.856	320054.139	273006.697	281161.637	266033.205	194162.066	205782.348	184533.307	180267.529
-15544.412	-11509.237	91552.81	64632.6883	9275.13384	-17002.687	-9076.2473	-7514.0675	35098.2066	16488.8979	-14756.735
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133	170684.142	168044.409	195024.263
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088	167356.412	164666.875	190711.918
937.693133	762.982948	916.472074	912.838179	1046.08157	1314.0602	1246.0849	791.738118	575.901174	594.722634	821.294542
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547	5108.55959	5026.4614	5821.48712
243175.683	239988.056	404007.931	359661.574	306716.514	316101.802	299038.483	217638.02	231709.292	207606.382	202239.174
31.965273	28.808289	9.804872	49.752036	40.293051	18.248825	21.068174	32.835381	27.884358	26.209473	16.838226
4.475138	1.728497	0.098048	1.492561	1.208791	0.364976	8.005906	0.985061	0.83653	0.524189	1.347058
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547	5108.55959	5026.4614	5821.48712
21.504446	21.915982	22.754193	22.719281	23.451316	25.333382	23.359761	18.795795	14.512953	14.279719	18.192147
14994.5798	18513.8986	141617.49	109582.262	48579.4302	23969.3992	29664.9223	20597.9322	64352.8793	42939.5065	11527.2563
14994.5798	18513.8986	141617.49	109582.262	48579.4302	23969.3992	29664.9223	20597.9322	64352.8793	42939.5065	11527.2563
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547	5108.55959	5026.4614	5821.48712
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1.32	0.38	0.07	0.04	0.28	0.15	5.82	0.17	0.36	0.05	0.64
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593	103611.416	98566.7076	75179.658
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088	167356.412	164666.875	190711.918
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7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547	5108.55959	5026.4614	5821.48712
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088	167356.412	164666.875	190711.918
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088	167356.412	164666.875	190711.918
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547	5108.55959	5026.4614	5821.48712
243175.683	239988.056	404007.931	359661.574	306716.514	316101.802	299038.483	217638.02	231709.292	207606.382	202239.174
14994.5798	18513.8986	141617.49	109582.262	48579.4302	23969.3992	29664.9223	20597.9322	64352.8793	42939.5065	11527.2563
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088	167356.412	164666.875	190711.918

122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599	160054.625	173345.458	113448.46
502.209625	500.145564	574.847185	498.39409	648.758593	769.872712	689.578691	605.94758	547.118907	621.766144	485.876466
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312	3124.23628	3383.67086	2214.49268
80370.5107	95748.0955	157696.042	124243.285	121260.331	118589.032	102437.791	106225.453	143280.074	138205.72	74438.1715
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312	3124.23628	3383.67086	2214.49268
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2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312	3124.23628	3383.67086	2214.49268
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599	160054.625	173345.458	113448.46
41809.1683	49420.5559	7002.82209	12490.4932	38478.2223	52200.719	46558.7729	44963.1464	16774.5509	35139.7383	39010.2883
41809.1683	49420.5559	7002.82209	12490.4932	38478.2223	52200.719	46558.7729	44963.1464	16774.5509	35139.7383	39010.2883
82085.1637	93206.8086	101058.065	86632.7416	81947.2445	78493.7305	76328.4634	78812.0899	100285.587	98566.7076	75179.658
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599	160054.625	173345.458	113448.46
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599	160054.625	173345.458	113448.46
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312	3124.23628	3383.67086	2214.49268
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599	160054.625	173345.458	113448.46
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599	160054.625	173345.458	113448.46
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312	3124.23628	3383.67086	2214.49268
80370.5107	95748.0955	157696.042	124243.285	121260.331	118589.032	102437.791	106225.453	143280.074	138205.72	74438.1715
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122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599	160054.625	173345.458	113448.46

233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301	151795.584	153455.671	175641.212
959.779753	701.586776	893.172878	641.016107	1041.3463	1272.3074	1037.54518	733.106425	525.76093	556.110568	758.672311
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439	2019.36389	2041.44833	2336.58656
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3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439	2019.36389	2041.44833	2336.58656
9.466379	8.648212	9.636015	6.931876	10.154598	10.684486	8.470359	7.563826	5.736829	5.799569	7.301832
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233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301	151795.584	153455.671	175641.212
125694.444	111258.485	88804.9999	66346.0014	122607.228	148330.347	120223.698	97012.492	66091.6765	74122.0968	98896.0191
125694.444	111258.485	88804.9999	66346.0014	122607.228	148330.347	120223.698	97012.492	66091.6765	74122.0968	98896.0191

81931.3207	93206.8086	99307.9555	92360.317	83313.4805	78493.7305	76161.9439	81108.4593	100989.4	98566.7076	74543.1719
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301	151795.584	153455.671	175641.212
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301	151795.584	153455.671	175641.212
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439	2019.36389	2041.44833	2336.58656
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301	151795.584	153455.671	175641.212
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301	151795.584	153455.671	175641.212
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439	2019.36389	2041.44833	2336.58656
107546.545	91677.0158	166162.42	108733.238	133868.683	134379.467	103900.646	84930.8095	85703.9072	79333.5739	76745.1925
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233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301	151795.584	153455.671	175641.212
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122	649890.763	659512.414	674825.853
3353.12837	2740.61179	3320.70674	2984.59507	3804.92725	4697.44456	4245.83274	2941.12631	2236.16903	2379.53261	2905.68739
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792	14791.6316	14920.8468	15559.3819
647564.627	641132.594	1087463.25	912692.237	834852.225	850231.937	771410.126	602956.348	666475.621	609678.983	533690.067
31.965273	28.808289	9.804872	49.752036	40.293051	18.248825	21.068174	32.835381	27.884358	26.209473	16.838226
4.475138	1.728497	0.098048	1.492561	1.208791	0.364976	8.005906	0.985061	0.83653	0.524189	1.347058
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792	14791.6316	14920.8468	15559.3819
57.212832	58.932555	61.775782	57.812293	63.761283	68.016977	60.878773	52.343684	42.02168	42.388769	48.623068
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19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792	14791.6316	14920.8468	15559.3819
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1.32	0.38	0.07	0.04	0.28	0.15	5.82	0.17	0.36	0.05	0.64
328186.812	372827.234	402482.15	363713.693	331887.686	313974.922	305147.334	322137.468	408497.819	394266.83	300082.146
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19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792	14791.6316	14920.8468	15559.3819
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815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122	649890.763	659512.414	674825.853
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792	14791.6316	14920.8468	15559.3819
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-168053.44	-153674.38	137362.478	95378.4558	-103230.89	-193564.35	-146193.8	-128891.77	16584.8585	-49833.431	-141135.79

815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122	649890.763	659512.414	674825.853
10.98703	10.915857	11.066377	11.05746	11.014436	11.002209	11.29705	11.140104	10.977704	11.03847	11.391572
0.390143	0.403428	0.459835	0.442908	0.419992	0.421925	0.373711	0.405521	0.47807	0.441098	0.355992
0.359198	0.384479	0.443899	0.42535	0.403756	0.405578	0.329249	0.391224	0.458939	0.424707	0.336436
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8	4888495.49	4194409.59	2703888.14
2499049.63	2885298.55	3159885.81	2824584.14	2627748.24	2518705.69	2264376.5	2434399.79	3345236.27	3025457.37	2015194.46
10229.7953	9896.11812	11001.7646	10265.4396	10592.2287	11298.6281	10452.8001	9594.55981	11283.1614	10767.0396	8580.452
-18556.124	-29182.873	-21952.659	-20470.222	-12088.069	-2143.2224	-12353.755	-18400.514	-29515.964	-28765.475	-20098.384
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58	3164723.74	3164723.74	2877021.58
0.035573	0.034741	0.031342	0.03441	0.035857	0.035803	0.036213	0.035571	0.036342	0.033734	0.035974
479222.975	486022.576	624106.116	571882.022	541815.412	568927.769	472156.86	504006.043	645479.554	597863.936	440680.256
659213.77	614071.533	1160187.95	1009424.74	837180.896	847200.848	833243.154	798369.762	1108086.11	969892.491	749979.039
2.716536	2.712563	2.986784	2.95169	2.851205	2.825158	2.902017	2.838122	2.930891	2.869077	2.857713
673665.182	721166.309	839437.711	782988.44	769636.833	807716.267	625298.074	690754.119	847914.807	815062.418	592513.518
7544.84536	9528.84496	28390.0592	21349.8287	7677.03539	3375.91023	15815.7227	16066.2611	67485.9889	40479.1776	14233.8654
113571.478	112005.423	124746.482	118579.439	118566.967	124080.242	113702.349	113220.438	124050.146	124436.936	111144.407
338.010351	350.016946	354.393414	352.914997	352.877877	352.500687	323.018036	353.813868	352.415187	353.514022	347.326271
123345.6	117472	129219.2	123345.6	123345.6	129219.2	129219.2	117472	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966	59303.82	54880.386	39521.892
163.926038	143.446767	264.20975	257.471825	210.970317	190.051933	201.930711	228.860108	282.281236	244.611503	223.813349
31.171401	30.909518	34.573272	34.103547	32.833755	32.531	34.360538	33.094579	33.82476	33.195923	33.991377
1430177.94	1430593.34	2135599.78	1914904.87	1720289.22	1774243.51	1571653.45	1599080.74	2099577.65	1913460.01	1444666.15
1915424.68	1889612.42	4322631.03	3678724.97	2709984.59	2477910.34	2734118.23	2505224.46	3710571.82	3262644.22	2729184.01
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593	103611.416	98566.7076	75179.658
485246.74	459019.084	2187031.25	1763820.1	989695.364	703666.827	1162464.78	906143.718	1610994.17	1349184.21	1284517.86
2562989.31	2530745.02	5410094.28	4591417.2	3544836.81	3328142.27	3505528.35	3108180.81	4377047.44	3872323.2	3262874.08
1192.37	1084.07	1672.83	1611.02	1405.82	1431.55	1214.4	1348.32	1718.23	1568.61	1263.67
222696.677	63060.4826	462978.405	392211.179	375546.047	534506.677	477349.433	312741.559	215025.959	229846.36	351468.423
26.375141	26.891004	37.852226	35.551282	29.981638	27.586238	28.375827	28.181815	34.513569	31.732749	27.369399
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851	846098.377	716128.661	280023.552
238.47	283.08	248.75	242.34	215.79	195.91	248.01	230.52	277.59	277.88	241.31

176.229979	209.51695	183.65594	186.957672	162.411863	134.764522	149.668265	188.202906	226.522098	210.07507	180.606216
7.256666	8.429082	5.874309	5.67768	4.80138	5.394214	4.765352	5.639451	6.729596	6.444247	5.88129
23,282	30,207	28,343	26,238	19,259	14,668	21,979	24,339	32,836	32,419	26,551
306463.6	77671.623	879067.136	731925.693	659436.34	814334.382	991978.056	548701.165	343874.104	402789.786	845147.909
5.104803	2.295466	3.614387	4.127293	4.471694	8.203628	4.102289	3.916825	3.337274	3.190545	2.979532
4,726	1,024	6,390	5,768	7,171	12,525	9,625	5,939	3,320	3,654	6,452
32.779263	36.494911	41.25829	41.422655	35.876962	31.181923	26.749416	33.033977	46.232607	39.792306	26.279962
32.638202	36.469745	41.239464	41.415625	35.850283	31.123295	26.686026	32.984002	46.152851	39.757962	26.251398
-18556.124	-29182.873	-21952.659	-20470.222	-12088.069	-2143.2224	-12353.755	-18400.514	-29515.964	-28765.475	-20098.384
-55.226559	-91.196477	-62.365509	-60.92328	-35.976396	-6.0887	-35.095895	-57.501606	-83.85217	-81.720098	-62.80745
-5658549.9	-5984510.8	-6226900.4	-5805993.2	-5662313.1	-5714468.8	-5154315	-5343427.9	-6705629.1	-6328844.2	-4630897
-68.953094	-64.217591	-61.588301	-62.872867	-67.955607	-72.804345	-67.516857	-65.90674	-64.762852	-64.258737	-61.623457
-5658549.9	-5984510.8	-6226900.4	-5805993.2	-5662313.1	-5714468.8	-5154315	-5343427.9	-6705629.1	-6328844.2	-4630897
58803.0819	62999.9832	72715.2772	66121.9359	64054.1134	63825.3629	54349.3907	56769.4249	70775.7457	66147.727	48628.8973
1991425.15	2129421.07	2589480.79	2306001.8	2248879.16	2249510.53	1979190.75	1986539.94	2499137.89	2309328.71	1735170.91
5425592.97	5739832.77	5951073.05	5548250.08	5407788.56	5447340.15	4953373.34	5114965.44	6425640.2	6059782.55	4437527.65
5626753.84	6418038.64	5642410.93	5334906.72	5127221.3	4902200.94	4246581.04	5014124.13	6927864.48	6373121.43	3872403.29
0.012987	0.00909					0.057851				0.00909
638504.474	719887.716	847499.243	760676.823	674449.544	635291.173	589333.148	665892.801	875089.221	818690.039	613791.266
3.61	3.3	6	5.88	4.92	4.23	4.6	4.24	5.92	5.18	4.84
32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006	36496.8066	34306.2294	33259.1544
8221539.18	8515255.85	11636994.7	10397410.4	9207149.92	9042611.03	8659843.39	8451608.68	11082676.5	10201167.4	7893771.12
5251763.87	5686898.41	8472270.92	7376537.78	6186277.26	5877887.3	5495119.65	5574587.09	7917952.76	7036443.67	5016749.54
1332878.95	1335237.84	1999625.66	1792413.18	1606817.73	1654917.12	1458541.23	1489123.88	1956000.91	1784954.91	1342492.56
63529.0398	64023.9358	79105.4056	71890.0946	71225.4114	76350.5081	63974.7083	62707.9452	74095.4516	69801.2328	55081.2739
32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006	36496.8066	34306.2294	33259.1544
5251763.87	5686898.41	8472270.92	7376537.78	6186277.26	5877887.3	5495119.65	5574587.09	7917952.76	7036443.67	5016749.54
65277.985	62212.7968	101727.492	88120.8458	79114.9963	84743.548	79570.8207	77673.4574	107079.932	94198.8728	68914.4403
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122	649890.763	659512.414	674825.853
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792	14791.6316	14920.8468	15559.3819
647564.627	641132.594	1087463.25	912692.237	834852.225	850231.937	771410.126	602956.348	666475.621	609678.983	533690.067
-168053.44	-153674.38	137362.478	95378.4558	-103230.89	-193564.35	-146193.8	-128891.77	16584.8585	-49833.431	-141135.79
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122	649890.763	659512.414	674825.853

2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08
3308574.82	2877021.58	3020872.66	3236885.38	2942623.07	3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23
-3308574.8	-2877021.6	-3020872.7	-3236885.4	-2942623.1	-3089754.2	-3236885.4	-3089754.2	-3089754.2	-3236885.4	-3089754.2
-3308574.8	-2877021.6	-3020872.7	-3236885.4	-2942623.1	-3089754.2	-3236885.4	-3089754.2	-3089754.2	-3236885.4	-3089754.2
3308574.82	2877021.58	3020872.66	3236885.38	2942623.07	3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23
3308574.82	2877021.58	3020872.66	3236885.38	2942623.07	3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23
3308574.82	2877021.58	3020872.66	3236885.38	2942623.07	3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23

35.405653	35.261773	35.981153	53.147707	49.529057	40.859387	37.165357	38.446957	38.145407	48.096677	43.724147
22.402161	22.40206	22.402221	22.850142	22.850123	22.850182	22.850142	22.850123	22.850202	22.850083	22.850142
35.283712	35.139832	35.859212	53.025662	49.407012	40.737342	37.043312	38.324912	38.023362	47.974632	43.602102
35.377513	35.233633	35.953013	53.119543	49.500893	40.831223	37.137193	38.418793	38.117243	48.068513	43.695983
34.674004	34.530124	35.249504	52.415439	48.796789	40.127119	36.433089	37.714689	37.413139	47.364409	42.991879
34.946028	34.802148	35.521528	52.687693	49.069043	40.399373	36.705343	37.986943	37.685393	47.636663	43.264133
35.358753	35.214873	35.934253	53.100767	49.482117	40.812447	37.118417	38.400017	38.098467	48.049737	43.677207
35.396273	35.252393	35.971773	53.138319	49.519669	40.849999	37.155969	38.437569	38.136019	48.087289	43.714759

20.641456	20.641456	20.641456	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286
1.11	1.11	1.11	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
35.10549	34.96161	35.68099	52.84729	49.22864	40.55897	36.86494	38.14654	37.84499	47.79626	43.42373
4.561201	5.342099	6.02427	6.214161	6.244351	5.549926	4.987678	4.659024	4.637158	4.656529	4.651494
27.521854	27.491	28.027448	39.562584	37.152665	31.315021	28.805477	29.632488	29.429639	36.065423	33.149988
27.521854	27.491	28.027448	39.562584	37.152665	31.315021	28.805477	29.632488	29.429639	36.065423	33.149988
			0.416819	0.83364	0.6947		0.55576	0.27788	0.55576	0.41682
			0.005029	0.007756	0.003634		0.010978	0.001119	0.003313	0.002143
			0.005025	0.007694	0.002936		0.010978	0.001031	0.003282	0.001878
			26.377878	644.685486	20.377054		1194.5388	291.58001	1671.23467	431.730614
			0.083478	2.159191	0.074466		5.021811	1.015757	4.812768	1.427201
			39.8	55.4	22.2		83	7.8	26	14.2
0.02326	0.04225	0.0375	0.023465	0.0275	0.026369	0.026988	0.032738	0.028601	0.025738	0.029434
			552.981199	769.7276	308.4468		1153.202	108.3732	361.244	197.2948
			11642.6244	16206.0651	6494.12718		24279.8449	2281.72036	7605.73454	4153.90117
			0.670067	1.340135	1.116779		0.893423	0.446711	0.893423	0.670067
			708.534811	986.251973	395.212884		1477.59772	138.858581	462.861937	252.793827
8087.4	6895.8	7276.5	7734.15	7002	7360.65	7706.25	7312.5	7343.775	7716.15	7337.475
21.97663	21.549375	21.65625	21.972017	21.88125	21.906696	21.892755	21.763392	21.856473	21.92088	21.837723
8280	7200	7560	7920	7200	7560	7920	7560	7560	7920	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
			39.8	55.4	22.2		83	7.8	26	14.2
			9.984699	18.906712	15.754415		12.601921	6.279593	12.530678	9.51436
			9.984699	18.906712	15.754415		12.601921	6.279593	12.530678	9.51436
			12427.5542	17316.0671	6954.16006		25895.2226	2449.02894	8128.43147	4461.915
			15000.6991	20452.0561	9133.78939		35957.7813	2669.90592	10284.7522	5063.70526
			2573.14484	3135.98902	2179.62933		10062.5587	220.876981	2156.32076	601.790266

			15000.6991	20452.0561	9133.78939	35957.7813	2669.90592	10284.7522	5063.70526	
			4.61	12.25	5.03	7.98	4.45	8.71	5.25	
			12401.1763	16671.3816	6933.78301	24700.6838	2157.44893	6457.19681	4030.18438	
			14972.4617	19729.2311	9098.68471	34026.1622	2347.0461	8190.30914	4586.58804	
			0.599565	1.190613	0.999256	0.789546	0.391502	0.76763	0.59596	
			39.715328	53.330587	22.13459	79.165581	6.86404	20.635408	12.814163	
			311.530633	313.058533	311.530633	311.530633	320.270509	320.294399	319.245277	
			3.115306	9.391755	3.115306	9.345919	3.202705	9.608831	6.384905	
			39.8	55.4	22.2	83	7.8	26	14.2	
			0.113068	0.173125	0.066071	0.247023	0.023214	0.073863	0.042261	
			2573.14484	3135.98902	2179.62933	10062.5587	220.876981	2156.32076	601.790266	
			2573.14484	3135.98902	2179.62933	10062.5587	220.876981	2156.32076	601.790266	
			0.084671	2.069412	0.065409	3.834418	0.935959	5.364591	1.385836	
			26.377878	644.685486	20.377054	1194.5388	291.58001	1671.23467	431.730614	
			0.56	0.72	0.22	0.66	0.17	0.24	0.22	
			-2573.1448	-3135.989	-2179.6293	-10062.559	-220.87698	-2156.3208	-601.79027	
			-17545.607	-22865.22	-11278.314	-44088.721	-2567.9231	-10346.63	-5188.3783	
				0.02			0.02	0.06	0.04	
			605.5549	807.7006	294.2105	942.3145	111.9587	413.787	217.8531	
			0.03	0.06	0.04	0.04	0.02	0.03	0.04	
			28.635	57.27	38.18	38.18	19.09	28.635	38.18	
			12427.5542	17316.0671	6954.16006	25895.2226	2449.02894	8128.43147	4461.915	
			12427.5542	17316.0671	6954.16006	25895.2226	2449.02894	8128.43147	4461.915	
			12351.1592	17192.3171	6889.34006	25757.4426	2420.57894	8068.59647	4406.695	
			39.8	55.4	22.2	83	7.8	26	14.2	
			28.635	57.27	38.18	38.18	19.09	28.635	38.18	
			12427.5542	17316.0671	6954.16006	25895.2226	2449.02894	8128.43147	4461.915	
			47.76	66.48	26.64	99.6	9.36	31.2	17.04	
5.36883	4.7095	2.91989	4.426929	5.08626	4.80369	4.89788	2.91989	5.36883	6.97006	5.27464
0.182346	0.098052	0.093757	0.244241	0.216322	0.160178	0.174146	0.177021	0.190952	0.279161	0.231798
0.177663	0.094312	0.092023	0.239801	0.209468	0.156071	0.169659	0.172232	0.183779	0.270852	0.224464
22159.7851	23380.9919	80208.2736	175904.75	124506.138	45142.2654	100506.988	82235.1038	113447.7	267218.859	177671.055
94.634434	90.751295	266.347071	589.903526	431.676441	169.572509	439.618942	364.893858	410.559201	841.903661	589.681148
3792.04	1750.44	1793.36	4895.78	3887.74	3041.52	3463.76	3356.46	3581.5	5529.72	4374.36

0.026548	0.037125	0.025446	0.024772	0.02975	0.028809	0.029687	0.029791	0.035863	0.029034	0.032232
35717.2248	16487.3944	16891.6578	46113.3518	36618.6231	28648.0769	32625.1554	31614.4967	33734.1485	52084.4327	41202.0968
165970.288	89344.6732	107248.574	287502.654	233989.598	162465.895	172402.23	153308.079	167278.539	257104.469	203832.005
2.63497	2.642928	1.88111	2.643591	3.067469	2.726085	2.682835	1.486626	2.725904	3.530741	2.685613
4013.31209	3691.78366	11034.2591	24723.9606	16848.5059	6738.68987	16283.5744	14283.8424	19381.7816	45844.1133	30449.693
20777.34	17870.96	18992.1	19910.24	18007.84	18926.56	19809.9	18907.42	18789.1	19823.24	18859.86
56.460163	55.84675	56.524107	56.563181	56.2745	56.329047	56.278125	56.272083	55.91994	56.316022	56.130535
21344	18560	19488	20416	18560	19488	20416	19488	19488	20416	19488
58	58	58	58	58	58	58	58	58	58	58
3792.04	1750.44	1793.36	4895.78	3887.74	3041.52	3463.76	3356.46	3581.5	5529.72	4374.36
29.658238	29.148407	20.522045	28.848997	33.45478	30.039708	29.713187	16.714058	30.731119	39.618362	30.051019
29.658238	29.148407	20.522045	28.848997	33.45478	30.039708	29.713187	16.714058	30.731119	39.618362	30.051019
197409.056	103977.814	122182.052	328686.498	266696.669	188098.878	201630.772	181581.496	197593.455	303787.397	240691.042
267309.991	148402.573	171033.335	667064.815	531955.63	346694.781	305142.494	448219.323	334729.391	551251.636	441979.567
69900.9349	44424.7588	48851.283	338378.318	265258.961	158595.903	103511.722	266637.827	137135.936	247464.238	201288.525
267309.991	148402.573	171033.335	667064.815	531955.63	346694.781	305142.494	448219.323	334729.391	551251.636	441979.567
160.64	108.34	86.88	233.16	195.9	180.25	168.69	106.83	144.66	214.01	162.97
175249.271	80596.8219	41973.7788	152781.748	142190.531	142956.613	101123.784	99346.392	84145.7551	36564.1514	63019.9864
236890.241	115955.943	59733.4289	312835.549	277883.552	267046.27	150349.689	244375.139	132146.117	61468.0243	110783.31
30.268354	24.395919	8.917185	16.001909	19.966431	24.554473	22.510761	13.007651	18.179487	12.315926	13.864696
3365.95314	1358.4893	621.870553	2270.87708	2098.96138	2326.08419	1734.95924	1839.96755	1523.76758	662.524613	1141.56533
52.632954	60.110436	68.21984	62.772827	64.035047	61.512303	60.117408	54.43993	55.146294	56.617864	55.841044
28.363203	28.201736	21.033446	29.500579	34.569639	28.883828	30.037017	16.305534	31.330493	41.838089	31.243016
3792.04	1750.44	1793.36	4895.78	3887.74	3041.52	3463.76	3356.46	3581.5	5529.72	4374.36
10.304456	5.470125	5.33738	13.908465	12.149187	9.052142	9.840227	9.989464	10.659226	15.709431	13.018928
69900.9349	44424.7588	48851.283	338378.318	265258.961	158595.903	103511.722	266637.827	137135.936	247464.238	201288.525
69900.9349	44424.7588	48851.283	338378.318	265258.961	158595.903	103511.722	266637.827	137135.936	247464.238	201288.525
426.086855	391.950702	1171.48945	2624.90292	1788.77862	715.435807	1728.80076	1516.49245	2057.73242	4867.19539	3232.79467
22159.7851	23380.9919	80208.2736	175904.75	124506.138	45142.2654	100506.988	82235.1038	113447.7	267218.859	177671.055
32.41	15.53	12.02	16.63	16.91	17.7	17.3	6.5	17.33	12.07	13.47
-69900.935	-44424.759	-48851.283	-338378.32	-265258.96	-158595.9	-103511.72	-266637.83	-137135.94	-247464.24	-201288.53
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1.38	1.69	5.76	5.53	3.71	2.22	8.88	2.9	6.78	20.89	12.48
15096.4058	7581.1609	9199.9253	24852.7398	19002.1082	13566.1843	13691.171	12919.4538	16648.4972	30128.2461	22354.3067
0.8	0.65	0.53	0.47	0.38	0.4	0.54	0.41	0.77	0.91	0.56

344.04	279.5325	227.9265	206.1655	166.687	175.46	236.871	179.8465	337.7605	399.1715	245.644
197409.056	103977.814	122182.052	328686.498	266696.669	188098.878	201630.772	181581.496	197593.455	303787.397	240691.042
197409.056	103977.814	122182.052	328686.498	266696.669	188098.878	201630.772	181581.496	197593.455	303787.397	240691.042
165970.288	89344.6732	107248.574	287502.654	233989.598	162465.895	172402.23	153308.079	167278.539	257104.469	203832.005
3792.04	1750.44	1793.36	4895.78	3887.74	3041.52	3463.76	3356.46	3581.5	5529.72	4374.36
344.04	279.5325	227.9265	206.1655	166.687	175.46	236.871	179.8465	337.7605	399.1715	245.644
197409.056	103977.814	122182.052	328686.498	266696.669	188098.878	201630.772	181581.496	197593.455	303787.397	240691.042
31094.728	14353.608	14705.552	40977.6786	32540.3838	25457.5224	28991.6712	28093.5702	29977.155	46283.7564	36613.3932
			0.04	0.07	0.15					
10.945797	10.978233	10.994018	11.012533	11.047384	11.018307	11.027448	11.186173	11.012314	10.891119	10.989979
0.689538	0.682048	0.676766	0.686849	0.664349	0.651944	0.635845	0.584648	0.655739	0.715916	0.67599
0.666015	0.654909	0.655935	0.667802	0.643692	0.629774	0.30815	0.564169	0.630875	0.69002	0.652229
714834.169	676328.009	794519.374	857173.284	744667.571	705382.124	307314.524	688104.791	768375.009	896482.244	807118.532
3108.77503	2710.87367	2694.87562	2925.68428	2647.96053	2767.57052	1340.31579	3101.18811	3013.65892	2961.25155	2820.75016
27205.392	23262.398	24463.782	26092.372	22863.942	23488.082	12040.04	21041.258	23529.12	26960.484	24325.54
0.035054	0.040625	0.031577	0.028352	0.034375	0.035863	0.036079	0.033422	0.038154	0.036818	0.03616
294887.661	252338.296	265628.645	283024.527	248620.119	255778.675	131171.589	231766.296	256114.395	291262.909	264022.249
327326.515	280122.984	295064.498	327033.408	287519.592	294957.713	151563.181	267890.802	295700.571	337459.174	306018.635
2.8663	2.8663	2.8663	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262
517911.199	443181.749	466523.589	502708.164	441599.056	454314.082	232986.976	411663.294	454910.388	517341.18	468956.318
39416.1	34077	36118.29	37964.22	34299	35958.45	18934.38	36049.47	35872.98	37633.44	35947.35
107.108967	106.490625	107.49491	107.852897	107.184375	107.019196	53.790852	107.290089	106.764821	106.913181	106.98616
40848	35520	37296	39072	35520	37296	39072	37296	37296	39072	37296
111	111	111	111	111	111	111	111	111	111	111
27205.392	23262.398	24463.782	26092.372	22863.942	23488.082	12040.04	21041.258	23529.12	26960.484	24325.54
33.228147	33.399851	33.395336	34.084219	34.307258	34.203134	34.144996	34.668326	34.148762	33.745597	34.111701
32.954544	33.047221	33.094991	33.827337	33.928247	33.847417	33.870268	34.336528	33.827361	33.468684	33.75889
894772.123	766609.212	806293.292	876993.012	772440.715	794106.087	406471.422	719180.601	795173.082	904548.733	821326.672
1155167.95	979452.347	1058436.6	1804995.38	1498903.83	1224833.5	552476.787	1165004.32	1121949.62	1564744.76	1320693.57
260395.823	212843.135	252143.305	928002.365	726463.119	430727.418	146005.365	445823.72	326776.537	660196.025	499366.895
1155167.95	979452.347	1058436.6	1804995.38	1498903.83	1224833.5	552476.787	1165004.32	1121949.62	1564744.76	1320693.57
355.1	307	325.39	342.02	309	323.95	170.48	324.77	323.18	339.04	323.85
173388.065	83731.3125	5721.48888	14577.0073	21262.0232	81705.4828	96620.0974	25325.7301	20117.8328	1724.48901	7020.53983
276338.058	134212.412	9175.56136	40286.2986	54718.7935	167878.957	169888.836	66055.2952	31880.5977	2556.95403	12304.0179

32.892069	23.699628	7.411087	8.954343	11.990787	21.988026	33.119099	11.871779	12.84784	6.584448	9.38941
5440.88452	2633.41701	180.362438	448.310088	652.120691	2507.26099	2962.44422	774.110502	615.366598	52.284994	213.238706
26.029198	27.633871	30.993034	28.615966	27.67792	26.002743	25.258979	20.35189	26.532243	30.173589	28.866455
25.975887	27.598779	30.988912	28.612034	27.672745	25.976935	25.169036	20.343678	26.519989	30.169932	28.861335
27205.392	23262.398	24463.782	26092.372	22863.942	23488.082	12040.04	21041.258	23529.12	26960.484	24325.54
73.927695	72.694993	72.808875	74.126056	71.449818	69.905005	34.204659	62.622791	70.027142	76.592284	72.39744
106258.042	80945.9076	113299.212	780065.445	596509.382	297031.905	77441.9758	324679.478	192905.543	507952.902	361362.466
106258.042	80945.9076	113299.212	780065.445	596509.382	297031.905	77441.9758	324679.478	192905.543	507952.902	361362.466
21764.5075	20628.981	24283.4196	25644.0619	22211.8213	20980.821	9077.59578	20267.1475	22913.7534	26908.199	24112.3013
714834.169	676328.009	794519.374	857173.284	744667.571	705382.124	307314.524	688104.791	768375.009	896482.244	807118.532
50.19	43.81	7.17	10.35	12.89	31.59	22.02	5.99	11.18	1.59	4.24
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186.21	194.54	274.53	235.37	216.67	206.05	92.26	245.74	232.44	234.8	232.17
						0.5				
79270.2756	74208.7599	93505.2766	97937.2311	84583.496	79764.4476	36985.4323	70187.1088	80078.8618	99587.2866	89997.4081
0.79	0.79	0.73	0.62	0.77	0.83	0.3	0.68	0.79	0.75	0.85
6549.89	6549.89	6052.43	5242.72	6511.12	7018.48	2536.8	5750.08	6680.24	6342	7187.6
1048909.9	898506.439	945137.385	1024929.93	902394.451	927801.6	475034.811	840324.844	929044.076	1056791.86	959331.101
1048909.9	898506.439	945137.385	1024929.93	902394.451	927801.6	475034.811	840324.844	929044.076	1056791.86	959331.101
845237.714	723304.733	761588.087	829741.573	729118.648	749271.795	384550.157	679554.096	750610.959	854800.354	774974.953
27205.392	23262.398	24463.782	26092.372	22863.942	23488.082	12040.04	21041.258	23529.12	26960.484	24325.54
6549.89	6549.89	6052.43	5242.72	6511.12	7018.48	2536.8	5750.08	6680.24	6342	7187.6
1048909.9	898506.439	945137.385	1024929.93	902394.451	927801.6	475034.811	840324.844	929044.076	1056791.86	959331.101
42984.5194	36754.5888	38652.7756	42008.7189	36810.9466	37815.812	19384.4644	33876.4254	37881.8832	43406.3792	39164.1194
45.33	30.23	5.03	6.84	6.84	26.33	19.58	9.09	11.34	1.81	4.97
			0.3	0.9	0.75		0.6	0.3	0.6	0.6
			0.004185	0.006601	0.003819		0.01039	0.000714	0.002869	0.001636
			0.003892	0.006468	0.00366		0.00994	0.000714	0.002869	0.001636
			10.051013	30.737794			128.286231	20.102027	151.872335	20.102027
			0.033502	0.101363			0.532876	0.070507	0.434532	0.067271
			4.11	6.21	3.69		10.02	0.72	3.03	1.65
0.020978	0.025687	0.023511	0.035852	0.03125	0.023958	0.030198	0.026934	0.037172	0.026761	0.032023
			61.65	93.15	55.35		150.3	10.8	45.45	24.75

			1297.99674	1961.20675	1165.35474		3164.4592	227.38629	956.917304	521.093581
			0.446711	1.340135	1.116779		0.893423	0.446711	0.893423	0.893423
			78.992144	119.353095	70.919954		192.579389	13.83804	58.235085	31.712175
1080.84	935.34	984.3	1018.14	930	983.85	1024.11	980.85	970.53	1027.74	975.72
2.937065	2.922937	2.929464	2.892443	2.90625	2.928125	2.909403	2.919196	2.888482	2.919715	2.903928
1104	960	1008	1056	960	1008	1056	1008	1008	1056	1008
3	3	3	3	3	3	3	3	3	3	3
			4.11	6.21	3.69		10.02	0.72	3.03	1.65
			6.700675	20.102027	16.751689		13.401351	6.700675	13.401351	13.401351
			6.700675	20.102027	16.751689		13.401351	6.700675	13.401351	13.401351
			1376.98888	2080.55985	1236.27469		3357.03859	241.22433	1015.15239	552.805756
			1611.84545	2382.98567	1623.00305		4579.36227	262.42443	1262.19101	632.139913
			234.856565	302.42582	386.728357		1222.32367	21.2001	247.038619	79.334156
			1611.84545	2382.98567	1623.00305		4579.36227	262.42443	1262.19101	632.139913
			1.37	2.07	1.23		3.34	0.24	1.01	0.55
			1366.93787	2049.82205	1236.27469		3228.75236	221.122302	863.280053	532.703728
			1601.62876	2351.08859	1623.00305		4367.98323	240.346131	1090.34162	609.095837
			0.06	0.179981	0.15		0.119892	0.06	0.119495	0.12
			4.08	6.118254	3.69		9.637094	0.66	2.576695	1.59
				335.033791			335.033791		335.033791	
				3.350337			3.350337		3.350337	
			4.11	6.21	3.69		10.02	0.72	3.03	1.65
			0.011676	0.019406	0.010982		0.029821	0.002142	0.008607	0.00491
			234.856565	302.42582	386.728357		1222.32367	21.2001	247.038619	79.334156
			234.856565	302.42582	386.728357		1222.32367	21.2001	247.038619	79.334156
			0.03	0.091745			0.382905	0.06	0.453304	0.06
			10.051013	30.737794			128.286231	20.102027	151.872335	20.102027
			-234.85657	-302.42582	-386.72836		-1222.3237	-21.2001	-247.03862	-79.334156
			-1836.4853	-2653.5144	-2009.7314		-5590.3069	-261.54623	-1337.3802	-688.42999
			416.194	604.4514	320.7692		763.7851	68.0222	320.0707	169.2959
			0.24	0.78	0.45		0.39	0.1	0.33	0.25
			1376.98888	2080.55985	1236.27469		3357.03859	241.22433	1015.15239	552.805756
			1376.98888	2080.55985	1236.27469		3357.03859	241.22433	1015.15239	552.805756

			1376.98888	2080.55985	1236.27469		3357.03859	241.22433	1015.15239	552.805756
			4.11	6.21	3.69		10.02	0.72	3.03	1.65
			1376.98888	2080.55985	1236.27469		3357.03859	241.22433	1015.15239	552.805756
11.41172	11.469456	11.488655	11.621438	11.699826	11.56171	11.562404		11.567129	11.375179	11.491389
0.767608	0.761928	0.749338	0.730479	0.700349	0.728473	0.723398		0.714928	0.791211	0.749916
0.732806	0.72263	0.610795	0.698522	0.665231	0.702705	0.689078		0.358995	0.755076	0.714878
297527.49	255158.841	226372.192	279163.171	243114.551	267976.273	275750.929		136784.594	299179.284	271838.114
1302.12274	1027.66444	764.898765	953.793176	866.404864	1056.70188	1215.45704		507.533718	991.916307	955.094224
11595.93	9943.39	8824.77	10572.84	9153.59	10152.69	10429.89		5186.77	11428.84	10328.57
0.046793	0.052937	0.048452	0.044602	0.052281	0.037589	0.047869	0.045863	0.045327	0.04625	0.048333
131109.201	112470.816	99890.9295	120331.011	104728.697	115584.58	118796.095		58972.2623	128817.912	117065.227
145572.166	124809.565	110609.156	138814.15	121014.188	133166.551	137200.658		67996.3787	148815.682	135253.356
2.1779	2.177899	2.177899	2.2241	2.2241	2.2241	2.2241		2.224099	2.2241	2.2241
140011.516	120107.585	106673.524	129247.539	112489.093	124149.397	127598.886		63342.107	138363.319	125739.76
15083.54	13031.58	11775.55	14460.9	13040.61	13904.91	14411.45		7244.64	14435.96	13749.68
40.98788	40.723687	35.046279	41.082102	40.751906	41.38366	40.941619		21.561428	41.01125	40.921666
15824	13760	14448	15136	13760	14448	15136	14448	14448	15136	14448
43	43	43	43	43	43	43	43	43	43	43
11595.93	9943.39	8824.77	10572.84	9153.59	10152.69	10429.89		5186.77	11428.84	10328.57
26.350486	26.59015	26.545698	27.369661	27.582806	27.289563	27.255729		27.276061	26.737445	27.110541
25.885783	26.014899	26.059642	26.885778	27.058562	26.757147	26.752694		26.767486	26.337315	26.596318
302243.41	259915.769	229980.896	283429.65	246795.435	272493.722	280393.863		138917.834	303236.622	276481.048
460951.813	394352.086	356885.218	697306.672	576614.101	498967.849	455031.698		241297.558	621547.448	525077.434
158708.403	134436.317	126904.322	413877.022	329818.666	226474.127	174637.835		102379.724	318310.826	248596.386
460951.813	394352.086	356885.218	697306.672	576614.101	498967.849	455031.698		241297.558	621547.448	525077.434
350.78	303.06	273.85	336.3	303.27	323.37	334.81		168.48	335.72	319.76
30.585276	29.300796	33.02493	32.339671	19.703416	30.095108	28.904627		22.892098	29.090649	27.539386
5.199496	7.618206	6.935235	6.79133	2.561444	8.727581	20.811331		3.891656	7.272662	6.884846
11595.93	9943.39	8824.77	10572.84	9153.59	10152.69	10429.89		5186.77	11428.84	10328.57
31.510679	31.073093	26.264196	30.036477	28.604968	30.216339	29.630369		15.436815	32.468295	30.739791

90177.6233	75647.8212	74691.333	350980.002	275076.976	166058.067	112543.116		71554.9228	250977.704	187406.392
90177.6233	75647.8212	74691.333	350980.002	275076.976	166058.067	112543.116		71554.9228	250977.704	187406.392
11595.93	9943.39	8824.77	10572.84	9153.59	10152.69	10429.89		5186.77	11428.84	10328.57
297527.49	255158.841	226372.192	279163.171	243114.551	267976.273	275750.929		136784.594	299179.284	271838.114
-158708.4	-134436.32	-126904.32	-413877.02	-329818.67	-226474.13	-174637.84		-102379.72	-318310.83	-248596.39
-158708.4	-134436.32	-126904.32	-413877.02	-329818.67	-226474.13	-174637.84		-102379.72	-318310.83	-248596.39
2.03	2.72	2.4	1.86	1.62	3.29	21.96		1.22	2.21	2.05
		0.142857					1	0.47619		
77354.3609	72185.1527	76776.2021	94959.0232	81999.1079	79216.4059	73036.1647		42745.4619	97911.1464	87749.5629
1.15	1.16	0.88	1.02	0.88	1.08	1.11		0.51	0.97	1.11
4715.92	4756.928	3608.704	4266.47946	3680.88424	4517.44884	4642.93353		2133.23973	4057.33831	4642.93353
370774.189	318704.265	282193.885	346326.67	301537.125	332909.781	342488.582		169742.635	370569.744	337671.042
370774.189	318704.265	282193.885	346326.67	301537.125	332909.781	342488.582		169742.635	370569.744	337671.042
285583.682	244917.15	217282.679	268061.689	233503.281	257315.948	264799.544		131338.486	287179.002	260993.116
11595.93	9943.39	8824.77	10572.84	9153.59	10152.69	10429.89		5186.77	11428.84	10328.57
4715.92	4756.928	3608.704	4266.47946	3680.88424	4517.44884	4642.93353		2133.23973	4057.33831	4642.93353
370774.189	318704.265	282193.885	346326.67	301537.125	332909.781	342488.582		169742.635	370569.744	337671.042
11943.8079	10241.6917	9089.5131	11101.482	9611.2695	10660.3245	10951.3845		5446.1085	12000.282	10844.9985
			0.3	0.9	0.75		0.6	0.3	0.6	0.6
			0.004159	0.006466	0.00373		0.010514	0.000714	0.002802	0.001636
			0.004147	0.006093	0.00372		0.010446	0.000714	0.002727	0.001636
			10.051013	30.153041			101.414453	20.102027	90.459123	20.102027
			0.033502	0.099578			0.419701	0.070507	0.268831	0.067271
			4.38	5.85	3.75		10.53	0.72	2.88	1.65
0.021467	0.036156	0.031101	0.021107	0.030281	0.025714	0.026079	0.032261	0.033214	0.05375	0.01497
			65.7	87.75	56.25		157.95	10.8	43.2	24.75
			1383.2666	1847.51361	1184.30359		3325.52449	227.38629	909.54516	521.093581
			0.446711	1.340135	1.116779		0.893423	0.446711	0.893423	0.893423
			84.181409	112.434075	72.073124		202.381334	13.83804	55.35216	31.712175
1080.3	925.29	976.65	1033.71	930.93	982.08	1028.46	975.48	974.52	999.24	992.91
2.935597	2.891531	2.906696	2.936676	2.909156	2.922857	2.921761	2.903214	2.900357	2.83875	2.955089
1104	960	1008	1056	960	1008	1056	1008	1008	1056	1008
3	3	3	3	3	3	3	3	3	3	3

			4.38	5.85	3.75	10.53	0.72	2.88	1.65
			6.700675	20.102027	16.751689	13.401351	6.700675	13.401351	13.401351
			6.700675	20.102027	16.751689	13.401351	6.700675	13.401351	13.401351
			1467.44801	1959.94768	1256.37672	3527.90583	241.22433	964.89732	552.805756
			1733.86047	2232.86063	1643.75003	4773.28914	262.42443	1206.49379	632.139913
			266.412466	272.912945	387.373315	1245.38331	21.2001	241.596472	79.334156
			1733.86047	2232.86063	1643.75003	4773.28914	262.42443	1206.49379	632.139913
			1.46	1.95	1.25	3.51	0.24	0.96	0.55
			1457.39699	1929.79464	1256.37672	3426.49137	221.122302	874.438196	532.703728
			1723.64378	2201.55171	1643.75003	4600.64654	240.346131	1102.4029	609.095837
			0.06	0.18	0.15	0.119711	0.06	0.12	0.12
			4.35	5.76	3.75	10.2273	0.66	2.61	1.59
						335.033791			
						3.350337			
			4.38	5.85	3.75	10.53	0.72	2.88	1.65
			0.012443	0.018281	0.01116	0.031339	0.002142	0.008181	0.00491
			266.412466	272.912945	387.373315	1245.38331	21.2001	241.596472	79.334156
			266.412466	272.912945	387.373315	1245.38331	21.2001	241.596472	79.334156
			0.03	0.09		0.302699	0.06	0.27	0.06
			10.051013	30.153041		101.414453	20.102027	90.459123	20.102027
			0.11	0.13		0.41		0.07	0.01
			-266.41247	-272.91295	-387.37332	-1245.3833	-21.2001	-241.59647	-79.334156
			-1990.0562	-2474.4647	-2031.1234	-5846.0299	-261.54623	-1343.9994	-688.42999
			442.8563	568.8506	325.5504	800.5706	68.0222	300.9591	169.2959
			0.24	0.75	0.47	0.42	0.1	0.3	0.25
			1467.44801	1959.94768	1256.37672	3527.90583	241.22433	964.89732	552.805756
			1467.44801	1959.94768	1256.37672	3527.90583	241.22433	964.89732	552.805756
			1467.44801	1959.94768	1256.37672	3527.90583	241.22433	964.89732	552.805756
			4.38	5.85	3.75	10.53	0.72	2.88	1.65
			1467.44801	1959.94768	1256.37672	3527.90583	241.22433	964.89732	552.805756
5.795524	3.246697	2.68565	4.73003	6.287231	4.545213	5.105709	3.168265	6.391236	8.558631	6.268628
0.077573	0.039297	0.036007	0.171983	0.141218	0.092126	0.089356	0.142573	0.107364	0.171285	0.141281
0.075282	0.038068	0.03416	0.167857	0.136381	0.089726	0.085352	0.14044	0.103523	0.167403	0.137392

2478.04204	2510.13275	10931.881	36681.2368	28867.6552	8971.01911	24542.5329	20959.3557	29215.0681	97791.2411	53979.5197
10.675658	10.124478	36.125813	122.922157	100.152879	33.838841	105.229627	91.480528	102.444455	297.414473	173.216055
1385.2	609.1	573.9	2954.3	2182.1	1507.4	1502.2	2359.4	1739.2	2946.3	2308.2
0.025081	0.028593	0.032678	0.033636	0.032703	0.028764	0.037585	0.023511	0.027127	0.02909	0.034375
19809.2	8759.9	8209.5	42783.1	31572.1	21723.4	21611	34180.6	25042.4	42489.9	33282.6
90803.0286	46750.8625	52766.8254	265288.765	200968.566	123004.207	114476.344	166159.746	126449.964	213213.075	166963.694
1.86006	1.217213	1.187584	1.869225	2.416008	1.727338	1.88954	1.061337	2.186877	2.896666	2.126659
523.526358	483.971113	1676.31383	5882.50584	4518.50302	1523.92243	4641.87256	4247.54187	5781.19032	19517.9111	10784.1972
18005.1	15549.1	16286.1	17005	15445.1	16378.1	16878.8	16390.9	16376.8	17080.8	16265.1
48.926902	48.590937	48.470535	48.309659	48.265937	48.744345	47.951136	48.78244	48.740476	48.525	48.408035
18400	16000	16800	17600	16000	16800	17600	16800	16800	17600	16800
50	50	50	50	50	50	50	50	50	50	50
1385.2	609.1	573.9	2954.3	2182.1	1507.4	1502.2	2359.4	1739.2	2946.3	2308.2
40.473682	24.521453	27.032254	52.587592	65.987527	42.503801	44.094567	30.815307	54.948883	76.954604	57.025225
26.489608	17.36376	16.967286	26.966443	34.826327	24.620786	27.014474	15.370847	31.449384	41.658297	30.439749
91158.4866	46892.4185	52945.1004	266281.952	201508.314	123387.212	114896.512	166893.197	126999.782	214148.137	167472.648
116459.302	67401.5544	69972.424	470808.399	359152.742	216786.252	161379.739	357616.385	203649.653	363465.616	287384.136
25300.8152	20509.1359	17027.3236	204526.447	157644.428	93399.0407	46483.2271	190723.188	76649.871	149317.479	119911.488
116459.302	67401.5544	69972.424	470808.399	359152.742	216786.252	161379.739	357616.385	203649.653	363465.616	287384.136
153.45	73.81	74.96	253.75	254.27	152.13	147.7	156.19	204.4	311.55	226.17
88680.4446	44382.2857	42013.2195	229600.716	172640.659	114416.193	90353.979	145933.841	97784.7141	116356.896	113493.128
113234.354	63875.0765	55512.0079	408637.797	305734.25	202697.49	126904.098	311889.381	154525.255	193985.17	195597.565
8.791136	4.953686	3.779787	7.381976	9.801161	7.073486	6.737509	4.806015	9.056717	10.003774	8.675399
1348.08395	574.814001	455.544236	2539.76956	1863.79031	1399.8371	1173.37377	2059.83431	1331.95775	1572.86454	1550.55886
65.192998	77.300913	96.821237	95.75193	98.261628	88.760458	81.888948	82.327344	78.813972	84.081873	83.025772
13.038599	6.957082	17.37109	30.638962	32.426337	22.190114	27.012542	18.106479	32.948611	50.339289	35.6942
1385.2	609.1	573.9	2954.3	2182.1	1507.4	1502.2	2359.4	1739.2	2946.3	2308.2
3.76413	1.903437	1.708035	8.392897	6.819062	4.486309	4.267613	7.022023	5.17619	8.37017	6.869642
25300.8152	20509.1359	17027.3236	204526.447	157644.428	93399.0407	46483.2271	190723.188	76649.871	149317.479	119911.488
25300.8152	20509.1359	17027.3236	204526.447	157644.428	93399.0407	46483.2271	190723.188	76649.871	149317.479	119911.488
37.116051	34.285998	118.355763	414.530443	318.309685	107.562904	328.82623	299.565685	407.242249	1373.43546	757.641135
2478.04204	2510.13275	10931.881	36681.2368	28867.6552	8971.01911	24542.5329	20959.3557	29215.0681	97791.2411	53979.5197
21.51	10.01	7.71	47.45	34.36	23.1	23.15	35.74	25.09	37.36	31.07
-25300.815	-20509.136	-17027.324	-204526.45	-157644.43	-93399.041	-46483.227	-190723.19	-76649.871	-149317.48	-119911.49
-138535.17	-84384.212	-72539.331	-613164.24	-463378.68	-296096.53	-173387.32	-502612.57	-231175.13	-343302.65	-315509.05

0.24	0.2	0.85	2.88	2.13	0.85	1.9	1.65	3.14	11.55	6.61
10437.2911	5248.0521	5536.6942	32207.5415	22741.3867	13770.9312	11981.4047	19622.3226	16643.3771	33303.1075	24423.5586
0.31	0.09	0.17	0.6	0.19	0.19	0.31	0.36	0.44	0.63	0.19
193.062	50.881	110.064	424.027	130.668	135.085	188.088	273.851	272.378	438.382	121.834
91158.4866	46892.4185	52945.1004	266281.952	201508.314	123387.212	114896.512	166893.197	126999.782	214148.137	167472.648
91158.4866	46892.4185	52945.1004	266281.952	201508.314	123387.212	114896.512	166893.197	126999.782	214148.137	167472.648
90803.0286	46750.8625	52766.8254	265288.765	200968.566	123004.207	114476.344	166159.746	126449.964	213213.075	166963.694
1385.2	609.1	573.9	2954.3	2182.1	1507.4	1502.2	2359.4	1739.2	2946.3	2308.2
193.062	50.881	110.064	424.027	130.668	135.085	188.088	273.851	272.378	438.382	121.834
91158.4866	46892.4185	52945.1004	266281.952	201508.314	123387.212	114896.512	166893.197	126999.782	214148.137	167472.648
162.396	90.674999	68.211	569.16	409.08	247.92	232.08	459.6	277.44	496.68	387.12
			0.01	0.01						
			0.3	0.9	0.75		0.6	0.3	0.6	0.6
			0.004136	0.00652	0.00372		0.010206	0.000733	0.002789	0.001613
			0.003835	0.006187	0.00372		0.009226	0.000714	0.00267	0.001607
			6.610126	40.204055			93.388043	26.802703	187.618923	26.802703
			0.022033	0.132771			0.38544	0.09401	0.533871	0.089695
			5.4	7.92	5		12.4	0.96	3.76	2.16
0.021956	0.026406	0.03375	0.029659	0.030187	0.025922	0.022784	0.03497	0.040446	0.033238	0.031101
			81	118.8	75		186	14.4	56.4	32.4
			1705.39718	2501.24919	1579.07146		3916.09722	303.18172	1187.46174	682.15887
			0.446711	1.340135	1.116779		0.893423	0.446711	0.893423	0.893423
			103.7853	152.21844	96.097499		238.3218	18.45072	72.26532	41.51412
1439.68	1246.2	1298.64	1366.24	1241.36	1309.16	1375.92	1297	1289.64	1361.2	1302.2
3.912173	3.894375	3.865	3.881363	3.87925	3.896309	3.908863	3.860119	3.838214	3.867045	3.875595
1472	1280	1344	1408	1280	1344	1408	1344	1344	1408	1344
4	4	4	4	4	4	4	4	4	4	4
			5.4	7.92	5		12.4	0.96	3.76	2.16
			6.700675	20.102027	16.751689		13.401351	6.700675	13.401351	13.401351
			6.700675	20.102027	16.751689		13.401351	6.700675	13.401351	13.401351
			1809.18248	2653.46763	1675.16896		4154.41902	321.63244	1259.72706	723.67299
			2112.54962	3043.78339	2191.66671		5558.17189	349.899241	1549.58395	828.545727
			303.367147	390.315758	516.497754		1403.75288	28.2668	289.856892	104.872737
			2112.54962	3043.78339	2191.66671		5558.17189	349.899241	1549.58395	828.545727

			1.35	1.98	1.25		3.1	0.24	0.94	0.54
			1802.57235	2613.26358	1675.16896		4061.03097	294.829736	1072.10813	696.870286
			2105.83054	3002.03816	2191.66671		5398.44688	320.461509	1336.53314	797.820293
			0.070135	0.24	0.2		0.159782	0.08	0.16	0.16
			5.38027	7.8	5		12.121257	0.88	3.2	2.08
			335.033791	348.130366			516.193251	368.225124	379.019295	384.3214
			3.350337	3.481303			5.161932	3.682251	11.370578	3.843214
			5.4	7.92	5		12.4	0.96	3.76	2.16
			0.01534	0.02475	0.01488		0.036904	0.002857	0.010681	0.006428
			303.367147	390.315758	516.497754		1403.75288	28.2668	289.856892	104.872737
			303.367147	390.315758	516.497754		1403.75288	28.2668	289.856892	104.872737
			0.019729	0.12			0.278742	0.08	0.56	0.08
			6.610126	40.204055			93.388043	26.802703	187.618923	26.802703
			1.33	1.91	1.23		3.02	0.22	0.79	0.52
			-303.36715	-390.31576	-516.49775		-1403.7529	-28.2668	-289.85689	-104.87274
			-2409.1977	-3392.3539	-2708.1645		-6802.1998	-348.72831	-1626.39	-902.69303
				0.03			0.06	0.02	0.14	0.02
			410.2466	580.1068	325.5504		700.9	68.0222	296.9033	165.6968
			0.24	0.75	0.47		0.39	0.1	0.32	0.24
			1809.18248	2653.46763	1675.16896		4154.41902	321.63244	1259.72706	723.67299
			1809.18248	2653.46763	1675.16896		4154.41902	321.63244	1259.72706	723.67299
			1809.18248	2653.46763	1675.16896		4154.41902	321.63244	1259.72706	723.67299
			5.4	7.92	5		12.4	0.96	3.76	2.16
			1809.18248	2653.46763	1675.16896		4154.41902	321.63244	1259.72706	723.67299
10.35032	10.412173	10.442987	10.491891	10.542183	10.474961	10.48173	10.716559	10.485244	10.327022	10.45342
0.590926	0.588276	0.571068	0.565876	0.544431	0.543803	0.54286	0.419821	0.541794	0.610445	0.569801
0.558461	0.556163	0.540892	0.534615	0.517018	0.515626	0.513606	0.280644	0.512065	0.577012	0.535602
352211.273	305377.873	311975.492	337153.941	297610.675	311290.456	325113.591	171683.39	309792.885	363420.397	323764.874
1539.16255	1228.43913	1057.41578	1152.11315	1059.83064	1222.59486	1430.90959	772.835022	1213.21019	1194.72702	1128.40788
12043.106	10429.184	10649.966	11027.626	9695.13	10152.474	10594.264	5525.774	10082.374	11902.16	10545.794
0.057472	0.058281	0.056339	0.057613	0.052218	0.053869	0.057585	0.0725	0.053988	0.056079	0.058779
122770.942	106387.417	108723.552	112572.655	99295.9197	104046.461	108551.729	57275.8485	103413.733	121232.609	107858.653
136170.491	118148.342	120628.958	130175.737	115061.828	120041.578	125621.033	66425.9203	119679.91	140505.95	125464.548
2.819	2.819	2.819	2.9367	2.936699	2.9367	2.9367	2.936699	2.9367	2.9367	2.9367

209815.54	181816.096	185808.551	201133.562	177412.02	185899.811	193949.374	102334.758	184769.317	216606.302	192711.055
20325.41	17659.11	18580.302	19438.792	17772.794	18628.94	19439.378	13115.266	18626.596	19470.436	18532.25
55.232092	55.184718	55.298517	55.22384	55.539981	55.443273	55.225505	39.033529	55.436297	55.313738	55.155505
21564.8	18752	19689.6	20627.2	18752	19689.6	20627.2	19689.6	19689.6	20627.2	19689.6
58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
12043.106	10429.184	10649.966	11027.626	9695.13	10152.474	10594.264	5525.774	10082.374	11902.16	10545.794
32.616971	33.78099	33.733003	35.506826	35.265392	35.031207	34.705203	37.244552	34.63403	33.796253	34.107789
29.697586	29.874141	29.964266	31.332592	31.478601	31.286248	31.301167	31.99451	31.313314	30.844691	31.217686
376989.691	328826.688	337646.859	366184.895	320950.877	335230.045	348144.488	189525.35	331423.793	389415.434	344826.547
533761.425	457437.955	485501.312	838867.541	692472.966	570303.529	525574.301	362956.148	524069.17	720810.195	607365.684
156771.734	128611.267	147854.453	472682.646	371522.089	235073.484	177429.813	173430.798	192645.378	331394.76	262539.137
533761.425	457437.955	485501.312	838867.541	692472.966	570303.529	525574.301	362956.148	524069.17	720810.195	607365.684
346.85	301.35	317.07	331.72	303.29	317.9	331.09	223.81	317.86	332.26	316.25
37.172618	9.740389			1.592168	31.744924	71.776328	5.94939			
56.168434	27.211852			1.827803	47.591175	131.143879	5.758207			
0.945357	0.305839			0.046793	0.874718	1.757021	0.174225			
1.171253	0.305839			0.046793	0.951981	2.231733	0.174225			
29.347424	31.776411	31.82285	30.884885	31.903662	32.156126	29.414726	23.881486	28.348254	31.935792	30.90427
24.064399	26.373893	24.821823	20.692873	22.6516	27.332187	29.414447	12.418372	22.111638	25.867991	25.341501
12043.106	10429.184	10649.966	11027.626	9695.13	10152.474	10594.264	5525.774	10082.374	11902.16	10545.794
32.725831	32.5912	31.696327	31.328482	30.297281	30.215696	30.09734	16.445755	30.007065	33.812954	31.386291
92599.3621	73002.5642	91024.6521	413840.919	319620.112	180688.399	120689.824	143492.712	138591.019	268026.476	206161.42
92599.3621	73002.5642	91024.6521	413840.919	319620.112	180688.399	120689.824	143492.712	138591.019	268026.476	206161.42
12041.9347	10428.8782	10649.966	11027.626	9695.08321	10151.522	10592.0323	5525.59977	10082.374	11902.16	10545.794
352211.273	305377.873	311975.492	337153.941	297610.675	311290.456	325113.591	171683.39	309792.885	363420.397	323764.874
0.04				0.01	0.02	0.14				
-156771.73	-128611.27	-147854.45	-472682.65	-371522.09	-235073.48	-177429.81	-173430.8	-192645.38	-331394.76	-262539.14
-156827.9	-128638.48	-147854.45	-472682.65	-371523.92	-235121.07	-177560.96	-173436.56	-192645.38	-331394.76	-262539.14
17.99	17.76	14.92	11.76	13.12	15.32	134.1	9.04	14.99	13.85	15.46
							0.285714			
72138.2861	67358.5626	83071.8855	86308.7173	76508.0104	72867.0966	68186.4171	41569.0553	73550.9914	90500.1846	82586.1224
1.33	1.26	1.38	1.53	1.23	1.26	1.21	0.94	1.14	1.37	1.11
24741.2452	23439.0744	25671.3672	29030.9544	23338.6104	23907.8448	22959.1208	17836.0112	21630.9072	25995.0376	21061.6728
441162.063	384435.391	394476.66	425026.622	372852.855	389615.13	404884.477	219463.436	385478.151	452783.719	401204.265
441162.063	384435.391	394476.66	425026.622	372852.855	389615.13	404884.477	219463.436	385478.151	452783.719	401204.265

345986.031	299964.438	306437.51	331309.299	292473.848	305941.389	319570.407	168760.679	304449.227	357112.252	318175.603
12043.106	10429.184	10649.966	11027.626	9695.13	10152.474	10594.264	5525.774	10082.374	11902.16	10545.794
24741.2452	23439.0744	25671.3672	29030.9544	23338.6104	23907.8448	22959.1208	17836.0112	21630.9072	25995.0376	21061.6728
441162.063	384435.391	394476.66	425026.622	372852.855	389615.13	404884.477	219463.436	385478.151	452783.719	401204.265
6262.41512	5423.17568	5537.98232	5844.64178	5138.4189	5380.81122	5614.95992	2928.66022	5343.65822	6308.1448	5589.27082
0.04	0.01			0.01	0.05	0.05	0.02			
4.05	1.95	1.8	4.95	5.7	3.9	4.35	3.15	5.55	7.35	6.3
0.069013	0.035582	0.031666	0.16606	0.134916	0.085012	0.081734	0.140058	0.100836	0.160478	0.135067
0.065978	0.033906	0.031666	0.162954	0.131375	0.084285	0.079772	0.137053	0.099077	0.156988	0.131309
166.011085	368.483349	2203.60098	6601.36419	4522.11984	1447.36363	3078.09574	2916.0692	5034.58365	17270.9082	10233.3974
0.698737	1.498437	7.234534	22.042475	15.761299	5.447318	13.169085	12.862495	17.624163	52.034004	32.27688
339.92	151.9	148.96	803.04	588.56	396.48	393.12	644.7	466.06	773.64	617.68
0.032554	0.023031	0.020208	0.029602	0.030781	0.040684	0.040823	0.03113	0.025892	0.0275	0.031815
5098.8	2278.5	2234.4	12045.6	8828.4	5947.2	5896.8	9670.5	6990.9	11604.6	9265.2
23384.0116	12112.3953	14477.6294	75074.5712	56289.4901	33768.5929	31271.4034	47024.8924	35461.5369	58381.3918	46629.3053
1.23659	0.685376	0.767149	1.844041	2.16154	1.367862	1.528445	1.015007	1.814556	2.382543	2.037199
35.886231	71.675542	320.016938	1025.52493	699.646205	246.555686	582.731805	586.837586	987.718306	3424.28073	2027.00195
4984.28	4376.82	4608.94	4782.12	4342.1	4512.62	4726.82	4557.56	4582.2	4792.48	4554.34
13.544239	13.677562	13.717083	13.585568	13.569062	13.430416	13.428465	13.564166	13.6375	13.615	13.554583
5152	4480	4704	4928	4480	4704	4928	4704	4704	4928	4704
14	14	14	14	14	14	14	14	14	14	14
339.92	151.9	148.96	803.04	588.56	396.48	393.12	644.7	466.06	773.64	617.68
18.724281	10.341469	11.618178	28.052132	32.513677	20.807908	23.55281	15.351963	27.590875	36.431599	30.824189
18.724281	10.341469	11.618178	28.052132	32.513677	20.807908	23.55281	15.351963	27.590875	36.431599	30.824189
23489.0116	12154.3953	14519.6294	75389.5712	56341.9901	33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053
29963.6593	17450.7997	19065.4944	130084.074	100220.884	59507.2529	43725.6699	99398.0394	56621.0632	98921.2512	79423.3404
6474.64773	5296.40446	4545.865	54694.5032	43878.8941	25644.16	12328.2665	52152.6469	21002.0263	40235.3594	32710.0351
29963.6593	17450.7997	19065.4944	130084.074	100220.884	59507.2529	43725.6699	99398.0394	56621.0632	98921.2512	79423.3404
74.62	38.16	43.9	141.26	123.63	77.8	82.17	88.13	115.15	154.61	127.41
23323.0005	11785.9119	12316.0284	68788.207	51819.8702	32415.7293	28319.3077	44329.3232	30584.4533	41414.9836	36479.9078
29755.6768	16948.4445	16240.2009	119248.718	91923.2446	57356.3689	39440.096	93273.0034	48348.7946	69239.7817	62149.4808
3.775315	1.809262	1.648181	4.523582	5.211733	3.613417	3.98469	2.909401	4.893848	6.290746	5.535359
337.527584	147.12163	127.625537	734.671671	541.916919	380.042954	354.271212	605.577494	400.212112	545.354618	482.546536
75.86534	82.119441	103.960859	101.575342	91.650859	90.410118	82.26905	81.621618	77.010806	79.231347	75.679484

4.55192	3.284777	10.367904	27.425342	22.912714	14.465618	16.45381	15.508107	23.783862	38.739877	30.271793
339.92	151.9	148.96	803.04	588.56	396.48	393.12	644.7	466.06	773.64	617.68
0.923695	0.474687	0.443333	2.281363	1.83925	1.18	1.116818	1.91875	1.387083	2.19784	1.838333
6474.64773	5296.40446	4545.865	54694.5032	43878.8941	25644.16	12328.2665	52152.6469	21002.0263	40235.3594	32710.0351
6474.64773	5296.40446	4545.865	54694.5032	43878.8941	25644.16	12328.2665	52152.6469	21002.0263	40235.3594	32710.0351
2.392415	4.778369	21.334462	68.368328	46.64308	16.437045	38.848787	39.122505	65.847887	228.285381	135.133463
166.011085	368.483349	2203.60098	6601.36419	4522.11984	1447.36363	3078.09574	2916.0692	5034.58365	17270.9082	10233.3974
10.53	3.34	4.26	9.81	8.01	7.38	8.73	7.6	9.18	10.55	10.6
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0.01	0.09	0.53	1.26	0.5	0.29	0.67	0.64	1.15	3.87	1.98
5613.3232	2710.7372	3151.3092	16894.4599	11916.3106	7330.3453	6460.4479	10305.0216	9085.0859	17567.1161	13164.2127
0.1	0.04	0.04	0.3	0.05	0.09	0.12	0.21	0.15	0.29	0.08
105	42	42	315	52.5	94.5	126	220.5	157.5	304.5	84
23489.0116	12154.3953	14519.6294	75389.5712	56341.9901	33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053
23489.0116	12154.3953	14519.6294	75389.5712	56341.9901	33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053
23384.0116	12112.3953	14477.6294	75074.5712	56289.4901	33768.5929	31271.4034	47024.8924	35461.5369	58381.3918	46629.3053
339.92	151.9	148.96	803.04	588.56	396.48	393.12	644.7	466.06	773.64	617.68
105	42	42	315	52.5	94.5	126	220.5	157.5	304.5	84
23489.0116	12154.3953	14519.6294	75389.5712	56341.9901	33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053

10.934856	10.969742	10.973018	11.127717	11.159891	11.066717	11.074982	11.207618	11.012794	10.961817	11.058532
0.432365	0.409635	0.397277	0.451894	0.4281	0.409521	0.364627	0.33165	0.398429	0.479184	0.443308
0.417206	0.392829	0.376622	0.436464	0.412408	0.395419	0.297349	0.267893	0.361546	0.461052	0.425793
1389376.77	1263124.33	1426210.81	1692730.84	1444034.49	1340229.88	1036306.66	967416.337	1363008.43	1943464.12	1645104.23
6056.06914	5069.35145	4826.89758	5766.63128	5124.27956	5255.80039	4544.70008	4349.61984	5266.28143	6345.29702	5701.07778
56361.588	46146.412	46454.738	56399.648	48446.442	48773.286	38423.274	33043.542	44595.224	59576.814	52519.804
0.030568	0.036335	0.033931	0.032936	0.034911	0.032391	0.035751	0.035148	0.035719	0.035759	0.034872
609393.029	498722.323	501578.685	617631.576	530733.286	532223.439	418652.369	366155.193	484412.212	647998.657	572975.22
889226.5	671288.823	700795.64	1239918.57	1037359.3	877827.394	732534.85	735495.365	815606.574	1166139.4	990039.79
2.822268	2.778387	2.822847	3.080372	3.072413	2.932496	2.897275	3.126333	3.006314	3.019613	2.95911
867738.255	745105.429	759005.664	834064.76	732870.426	764997.594	554535.236	516108.933	703206.798	872959.515	787764.865
4572.72468	4247.43032	13030.5899	31631.9914	22066.6551	8509.16799	21508.1787	19118.2218	26150.6902	68786.3052	43260.8921
130279.99	112567.2	116897.372	124713.512	113011.734	118945.32	105335.468	99586.446	112070.781	124340.686	118516.885

354.021711	351.7725	347.908845	354.29975	353.161668	354.003928	299.248488	296.388232	333.543991	353.240585	352.728824
135092.8	117472	123345.6	129219.2	117472	123345.6	129219.2	123345.6	123345.6	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
56361.588	46146.412	46454.738	56399.648	48446.442	48773.286	38423.274	33043.542	44595.224	59576.814	52519.804
181.051809	157.782323	152.846518	236.536157	308.324239	255.884808	193.466494	187.600185	235.711353	300.018596	262.948883
32.363156	31.826979	32.318821	35.792195	35.755666	33.891016	33.482822	36.701325	34.673641	34.76043	34.266511
1886061.78	1518376.3	1563567.83	2214046.75	1888744.04	1758301.02	1382934.46	1341360.62	1628980.09	2185190.42	1903802.46
2563614.14	2064497.31	2160894.38	4629585.83	3787431.84	2931685.38	2043330.69	2484062.82	2485861.11	3935043.93	3269080.26
677552.357	546121.018	597326.552	2415539.08	1898687.8	1173384.36	660396.228	1142702.2	856881.016	1749853.5	1365277.8
2563614.14	2064497.31	2160894.38	4629585.83	3787431.84	2931685.38	2043330.69	2484062.82	2485861.11	3935043.93	3269080.26
1441.44	1131.72	1122.05	1647	1507.61	1384.16	1234.94	917.66	1278.9	1698.81	1483.3
460677.953	220506.072	102024.516	482775.761	411178.937	382627.366	316488.944	350358.194	235527.279	205327.543	225806.025
656274.498	331019.088	140661.199	901411.926	757545.577	709583.782	486713.862	763991.815	370048.964	338969.517	387436.974
12.209052	8.588289	3.648004	4.093953	5.32806	6.061533	10.69237	3.876402	4.96601	4.215072	4.285111
10493.6204	4714.14778	1385.40277	6047.15399	5229.84494	6648.7518	6227.28018	5390.81532	3880.36809	2862.05087	3405.98361
33.149813	34.176124	36.966491	41.91269	41.925576	37.006624	35.366522	29.8728	38.210505	49.365295	41.501643
33.107734	34.14317	36.907695	41.910063	41.920504	36.988108	35.330657	29.854931	38.116653	49.295845	41.49208
56361.588	46146.412	46454.738	56399.648	48446.442	48773.286	38423.274	33043.542	44595.224	59576.814	52519.804
153.156489	144.207537	138.258148	160.226272	151.395131	145.158589	109.157028	98.343875	132.72388	169.252312	156.30894
390711.425	299826.592	349439.669	2145863.42	1662090.4	924887.704	472998.131	991619.87	638130.862	1466908.97	1109705.66
390711.425	299826.592	349439.669	2145863.42	1662090.4	924887.704	472998.131	991619.87	638130.862	1466908.97	1109705.66
45867.9676	41432.2642	45069.3352	50352.494	43216.5971	42124.5342	32195.9938	27652.7267	40714.8559	56714.7631	49113.8204
1389376.77	1263124.33	1426210.81	1692730.84	1444034.49	1340229.88	1036306.66	967416.337	1363008.43	1943464.12	1645104.23
114.68	72.69	31.16	86.24	74.94	81.24	71.34	59.92	63.17	62.67	60.13
-677552.36	-546121.02	-597326.55	-2415539.1	-1898687.8	-1173384.4	-660396.23	-1142702.2	-856881.02	-1749853.5	-1365277.8
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207.86	217	298.99	258.66	237.8	228.02	259.77	260.03	259.76	287.37	270.81
		0.012987				0.045454	0.116883	0.04329		
259909.943	229292.425	271241.293	355034.565	299311.529	267781.491	210341.038	157810.532	239068.301	370328.807	320997.313
4.48	3.99	3.73	5.29	5.84	5.28	3.59	3.84	4.12	5.9	4.68
36649.1572	35118.3059	35712.4917	39513.9814	33937.7396	35886.9986	30689.8133	24298.4687	31231.1154	37565.0644	33381.8643
2172902.71	1764670.72	1811454.71	2483722.42	2125341.45	2006797.67	1570332.56	1492442.95	1847730.25	2468134.95	2159374.6
2172902.71	1764670.72	1811454.71	2483722.42	2125341.45	2006797.67	1570332.56	1492442.95	1847730.25	2468134.95	2159374.6
1756964.75	1416394.25	1459801.3	2073983.33	1770229.72	1642824.99	1287070.09	1251604.3	1518813.37	2039098.92	1777804.65
56361.588	46146.412	46454.738	56399.648	48446.442	48773.286	38423.274	33043.542	44595.224	59576.814	52519.804

36649.1572	35118.3059	35712.4917	39513.9814	33937.7396	35886.9986	30689.8133	24298.4687	31231.1154	37565.0644	33381.8643
2172902.71	1764670.72	1811454.71	2483722.42	2125341.45	2006797.67	1570332.56	1492442.95	1847730.25	2468134.95	2159374.6
92447.8664	66863.7392	68054.034	100549.441	84576.5788	79589.0301	65174.56	65457.8558	78935.6049	108526.442	92615.9419
45.37	30.24	5.03	6.89	6.93	26.53	19.63	9.11	11.34	1.81	4.97

2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
351421.216	422605.088	843963.583	609090.108	504176.618	416900.848	534415.204	393090.186	579167.427	935461.491	779470.065
1525.63127	1689.90029	2841.77321	2069.14477	1788.98082	1636.83013	2349.48523	1765.05509	2244.43046	3071.68887	2688.47017
-84349.046	-79599.621	-99162.228	-103135.7	-89873.985	-85324.867	-79957.744	-74616.159	-85942.471	-106260.84	-96287.35
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501
351421.216	422605.088	843963.583	609090.108	504176.618	416900.848	534415.204	393090.186	579167.427	935461.491	779470.065
207.21	215.46	298.92	257.92	237.35	227.24	260.5	266.4	260.5	286.68	269.94
153.932447	166.661165	217.015233	192.539056	188.479595	166.086395	167.493264	162.254148	198.065261	233.942789	219.256242
80.14188	78.908203	108.483429	100.564903	97.957077	81.225157	83.728272	88.908864	95.033869	110.898301	108.960266
17997.3062	19648.7956	34382.9055	31104.3267	27494.5449	21670.4642	23953.5771	26669.3001	27647.6072	34740.5821	32972.4333
-84349.046	-79599.621	-99162.228	-103135.7	-89873.985	-85324.867	-79957.744	-74616.159	-85942.471	-106260.84	-96287.35
-229.20936	-248.74882	-295.12568	-292.99913	-280.8562	-253.94306	-227.15268	-222.0719	-255.78116	-301.87737	-286.56949
-2989891.9	-2814639.5	-3574894.6	-5502271.9	-4483490.7	-3519386.2	-2980874.1	-2886137.9	-3363518	-5243793.9	-4282483
-35.439823	-35.324118	-36.080732	-53.218206	-49.724349	-41.214349	-37.296403	-38.597089	-38.97992	-49.347616	-44.540645
-2989891.9	-2814639.5	-3574894.6	-5502271.9	-4483490.7	-3519386.2	-2980874.1	-2886137.9	-3363518	-5243793.9	-4282483
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
3341313.09	3237244.57	4418858.15	6111361.98	4987667.32	3936287.06	3515289.32	3279228.04	3942685.4	6179255.39	5061953.05
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98

2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
351421.216	422605.088	843963.583	609090.108	504176.618	416900.848	534415.204	393090.186	579167.427	935461.491	779470.065
1525.63127	1689.90029	2841.77321	2069.14477	1788.98082	1636.83013	2349.48523	1765.05509	2244.43046	3071.68887	2688.47017
-84349.046	-79599.621	-99162.228	-103135.7	-89873.985	-85324.867	-79957.744	-74616.159	-85942.471	-106260.84	-96287.35
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501
351421.216	422605.088	843963.583	609090.108	504176.618	416900.848	534415.204	393090.186	579167.427	935461.491	779470.065
207.21	215.46	298.92	257.92	237.35	227.24	260.5	266.4	260.5	286.68	269.94

153.932447	166.661165	217.015233	192.539056	188.479595	166.086395	167.493264	162.254148	198.065261	233.942789	219.256242
80.14188	78.908203	108.483429	100.564903	97.957077	81.225157	83.728272	88.908864	95.033869	110.898301	108.960266
17997.3062	19648.7956	34382.9055	31104.3267	27494.5449	21670.4642	23953.5771	26669.3001	27647.6072	34740.5821	32972.4333
-84349.046	-79599.621	-99162.228	-103135.7	-89873.985	-85324.867	-79957.744	-74616.159	-85942.471	-106260.84	-96287.35
-229.20936	-248.74882	-295.12568	-292.99913	-280.8562	-253.94306	-227.15268	-222.0719	-255.78116	-301.87737	-286.56949
-2989891.9	-2814639.5	-3574894.6	-5502271.9	-4483490.7	-3519386.2	-2980874.1	-2886137.9	-3363518	-5243793.9	-4282483
-35.439823	-35.324118	-36.080732	-53.218206	-49.724349	-41.214349	-37.296403	-38.597089	-38.97992	-49.347616	-44.540645
-2989891.9	-2814639.5	-3574894.6	-5502271.9	-4483490.7	-3519386.2	-2980874.1	-2886137.9	-3363518	-5243793.9	-4282483
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
3341313.09	3237244.57	4418858.15	6111361.98	4987667.32	3936287.06	3515289.32	3279228.04	3942685.4	6179255.39	5061953.05
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98

258338.096	231237.877	246342.749	278391.501	262266.797	274440.866	309139.21	272187.481	220123.257	177474.86	166619.156
1131.6092	932.997679	837.783288	952.786912	936.84021	1085.90139	1365.15218	1229.62328	874.694574	595.104852	587.948612
6870.69404	6149.94354	6551.66886	7121.80867	6709.30666	7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963
242406.228	216191.417	234672.256	377863.288	330646.515	285724.512	292989.911	266164.089	213530.452	216181.16	185016.005
6870.69404	6149.94354	6551.66886	7121.80867	6709.30666	7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963
18.670364	19.218573	19.499014	20.23241	20.966583	20.89507	22.467034	20.723504	16.759497	12.898182	12.685862
-15931.868	-15046.46	-11670.493	99471.7877	68379.7177	11283.6465	-16149.299	-6023.3917	-6592.8058	38706.2998	18396.8487
-15931.868	-15046.46	-11670.493	99471.7877	68379.7177	11283.6465	-16149.299	-6023.3917	-6592.8058	38706.2998	18396.8487
6870.69404	6149.94354	6551.66886	7121.80867	6709.30666	7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963
258338.096	231237.877	246342.749	278391.501	262266.797	274440.866	309139.21	272187.481	220123.257	177474.86	166619.156
15931.8677	15046.4601	11670.4927	-99471.788	-68379.718	-11283.647	16149.2989	6023.39171	6592.80581	-38706.3	-18396.849
15931.8677	15046.4601	11670.4927	-99471.788	-68379.718	-11283.647	16149.2989	6023.39171	6592.80581	-38706.3	-18396.849
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501
258338.096	231237.877	246342.749	278391.501	262266.797	274440.866	309139.21	272187.481	220123.257	177474.86	166619.156

258338.096	231237.877	246342.749	278391.501	262266.797	274440.866	309139.21	272187.481	220123.257	177474.86	166619.156
6870.69404	6149.94354	6551.66886	7121.80867	6709.30666	7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963
258338.096	231237.877	246342.749	278391.501	262266.797	274440.866	309139.21	272187.481	220123.257	177474.86	166619.156
258338.096	231237.877	246342.749	278391.501	262266.797	274440.866	309139.21	272187.481	220123.257	177474.86	166619.156
6870.69404	6149.94354	6551.66886	7121.80867	6709.30666	7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963
242406.228	216191.417	234672.256	377863.288	330646.515	285724.512	292989.911	266164.089	213530.452	216181.16	185016.005
-15931.868	-15046.46	-11670.493	99471.7877	68379.7177	11283.6465	-16149.299	-6023.3917	-6592.8058	38706.2998	18396.8487
258338.096	231237.877	246342.749	278391.501	262266.797	274440.866	309139.21	272187.481	220123.257	177474.86	166619.156
252700.707	226346.641	241044.06	271811.648	256115.229	267940.661	302165.839	265852.38	214501.858	173562.619	162853.175
1106.96251	913.269953	819.789519	930.271244	914.857703	1060.1852	1334.32582	1200.99487	852.410867	581.956097	574.645654
7713.69681	6909.23814	7357.87728	8001.52041	7539.4533	7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293
272141.234	242886.74	263518.517	424540.451	371577.042	320980.332	329541.221	299181.391	239335.359	243382.571	208128.27
32.187268	34.657869	34.511089	34.092163	32.912541	20.618134	27.732097	18.008347	28.688588	18.324093	18.665761
0.643745	1.039736	3.796219	1.363686	1.316501	0.618544	4.159814	8.463923	5.450831	0.549722	0.186657
7713.69681	6909.23814	7357.87728	8001.52041	7539.4533	7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293
20.961132	21.591369	21.898444	22.731592	23.560791	23.474902	25.270111	23.291943	18.793005	14.515031	14.267944
19440.5263	16540.0989	22474.4576	152728.803	115461.813	53039.6715	27375.3819	33329.0112	24833.5012	69819.9523	45275.0943
19440.5263	16540.0989	22474.4576	152728.803	115461.813	53039.6715	27375.3819	33329.0112	24833.5012	69819.9523	45275.0943
7713.69681	6909.23814	7357.87728	8001.52041	7539.4533	7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293
252700.707	226346.641	241044.06	271811.648	256115.229	267940.661	302165.839	265852.38	214501.858	173562.619	162853.175
-19440.526	-16540.099	-22474.458	-152728.8	-115461.81	-53039.671	-27375.382	-33329.011	-24833.501	-69819.952	-45275.094
-19440.526	-16540.099	-22474.458	-152728.8	-115461.81	-53039.671	-27375.382	-33329.011	-24833.501	-69819.952	-45275.094
0.09	0.07	0.82	0.21	0.33	0.21	1.26	6.94	1.73	0.15	0.09
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501
252700.707	226346.641	241044.06	271811.648	256115.229	267940.661	302165.839	265852.38	214501.858	173562.619	162853.175
252700.707	226346.641	241044.06	271811.648	256115.229	267940.661	302165.839	265852.38	214501.858	173562.619	162853.175
7713.69681	6909.23814	7357.87728	8001.52041	7539.4533	7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293
252700.707	226346.641	241044.06	271811.648	256115.229	267940.661	302165.839	265852.38	214501.858	173562.619	162853.175
252700.707	226346.641	241044.06	271811.648	256115.229	267940.661	302165.839	265852.38	214501.858	173562.619	162853.175
7713.69681	6909.23814	7357.87728	8001.52041	7539.4533	7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293
272141.234	242886.74	263518.517	424540.451	371577.042	320980.332	329541.221	299181.391	239335.359	243382.571	208128.27
19440.5263	16540.0989	22474.4576	152728.803	115461.813	53039.6715	27375.3819	33329.0112	24833.5012	69819.9523	45275.0943
252700.707	226346.641	241044.06	271811.648	256115.229	267940.661	302165.839	265852.38	214501.858	173562.619	162853.175

109578.487	119837.626	149893.19	164094.9	134605.198	162569.117	168874.304	139529.852	158800.939	160652.157	164390.208
480.209398	483.884355	510.380608	560.56075	480.53487	644.776378	748.007008	631.08753	630.091163	533.870711	576.354964
2138.95153	2339.208	2925.88698	3203.1017	2627.46824	3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606
75100.2296	81623.0298	103985.633	175213.774	129479.427	126642.711	120830.76	101360.496	117657.887	151904.077	138779.826
2138.95153	2339.208	2925.88698	3203.1017	2627.46824	3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606
5.812368	7.310024	8.707996	9.09972	8.210838	9.4444	9.364757	8.105942	9.225489	8.908806	9.550196
-34478.257	-38214.596	-45907.557	11118.8733	-5125.7705	-35926.406	-48043.544	-38169.356	-41143.052	-8748.0804	-25610.382
-34478.257	-38214.596	-45907.557	11118.8733	-5125.7705	-35926.406	-48043.544	-38169.356	-41143.052	-8748.0804	-25610.382
2138.95153	2339.208	2925.88698	3203.1017	2627.46824	3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606
109578.487	119837.626	149893.19	164094.9	134605.198	162569.117	168874.304	139529.852	158800.939	160652.157	164390.208
34478.2574	38214.596	45907.5572	-11118.873	5125.77045	35926.4056	48043.5439	38169.3562	41143.0516	8748.08041	25610.3825
34478.2574	38214.596	45907.5572	-11118.873	5125.77045	35926.4056	48043.5439	38169.3562	41143.0516	8748.08041	25610.3825
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	77401.2463	74616.1593	83455.7136	106260.836	96287.3501
109578.487	119837.626	149893.19	164094.9	134605.198	162569.117	168874.304	139529.852	158800.939	160652.157	164390.208
109578.487	119837.626	149893.19	164094.9	134605.198	162569.117	168874.304	139529.852	158800.939	160652.157	164390.208
2138.95153	2339.208	2925.88698	3203.1017	2627.46824	3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606
109578.487	119837.626	149893.19	164094.9	134605.198	162569.117	168874.304	139529.852	158800.939	160652.157	164390.208
109578.487	119837.626	149893.19	164094.9	134605.198	162569.117	168874.304	139529.852	158800.939	160652.157	164390.208
2138.95153	2339.208	2925.88698	3203.1017	2627.46824	3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606
75100.2296	81623.0298	103985.633	175213.774	129479.427	126642.711	120830.76	101360.496	117657.887	151904.077	138779.826
-34478.257	-38214.596	-45907.557	11118.8733	-5125.7705	-35926.406	-48043.544	-38169.356	-41143.052	-8748.0804	-25610.382
109578.487	119837.626	149893.19	164094.9	134605.198	162569.117	168874.304	139529.852	158800.939	160652.157	164390.208

282671.489	234543.283	216080.237	258305.781	176183.691	265686.822	285724.733	214302.668	195291.135	155651.727	149149.65
1240.97314	947.545549	738.046657	886.36657	631.631869	1051.71512	1263.48431	969.435763	779.40498	524.863586	528.476915
3760.42955	3120.17138	2874.55417	3352.44362	2286.61507	3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146
131818.699	109464.952	100821.67	178177.211	109857.677	138040.332	136798.423	104290.068	92855.2315	91481.4122	81036.1519
3760.42955	3120.17138	2874.55417	3352.44362	2286.61507	3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146
10.218558	9.750535	8.55522	9.523987	7.145672	10.262616	10.534951	8.277813	7.54346	5.739031	5.761165
-150852.79	-125078.33	-115258.57	-80128.57	-66326.015	-127646.49	-148926.31	-110012.6	-102435.9	-64170.315	-68113.498
-150852.79	-125078.33	-115258.57	-80128.57	-66326.015	-127646.49	-148926.31	-110012.6	-102435.9	-64170.315	-68113.498
3760.42955	3120.17138	2874.55417	3352.44362	2286.61507	3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146
282671.489	234543.283	216080.237	258305.781	176183.691	265686.822	285724.733	214302.668	195291.135	155651.727	149149.65
150852.79	125078.331	115258.566	80128.5701	66326.0146	127646.49	148926.31	110012.6	102435.903	64170.3149	68113.4981
150852.79	125078.331	115258.566	80128.5701	66326.0146	127646.49	148926.31	110012.6	102435.903	64170.3149	68113.4981

84349.0457	79599.6209	99162.228	101639.982	86228.3356	85324.867	79914.9859	74616.1593	85565.8926	103360.963	93032.3345
282671.489	234543.283	216080.237	258305.781	176183.691	265686.822	285724.733	214302.668	195291.135	155651.727	149149.65
282671.489	234543.283	216080.237	258305.781	176183.691	265686.822	285724.733	214302.668	195291.135	155651.727	149149.65
3760.42955	3120.17138	2874.55417	3352.44362	2286.61507	3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146
282671.489	234543.283	216080.237	258305.781	176183.691	265686.822	285724.733	214302.668	195291.135	155651.727	149149.65
282671.489	234543.283	216080.237	258305.781	176183.691	265686.822	285724.733	214302.668	195291.135	155651.727	149149.65
3760.42955	3120.17138	2874.55417	3352.44362	2286.61507	3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146
131818.699	109464.952	100821.67	178177.211	109857.677	138040.332	136798.423	104290.068	92855.2315	91481.4122	81036.1519
-150852.79	-125078.33	-115258.57	-80128.57	-66326.015	-127646.49	-148926.31	-110012.6	-102435.9	-64170.315	-68113.498
282671.489	234543.283	216080.237	258305.781	176183.691	265686.822	285724.733	214302.668	195291.135	155651.727	149149.65
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
3959.75424	3277.69754	2906.00007	3329.98548	2963.86465	3842.57809	4710.96932	4031.14144	3136.60159	2235.79525	2267.42615
20483.7719	18518.5611	19709.9873	21678.8744	19162.8433	21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965
721466.391	650166.139	702998.077	1155794.72	941560.661	871387.888	880160.315	770996.044	663378.929	702949.219	612960.252
32.187268	34.657869	34.511089	34.092163	32.912541	20.618134	27.732097	18.008347	28.688588	18.324093	18.665761
0.643745	1.039736	3.796219	1.363686	1.316501	0.618544	4.159814	8.463923	5.450831	0.549722	0.186657
20483.7719	18518.5611	19709.9873	21678.8744	19162.8433	21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965
55.662423	57.870503	58.660676	61.587711	59.883885	64.076989	67.636855	60.399203	52.321452	42.061052	42.265168
-181822.39	-161799.29	-150362.16	183190.893	112389.746	-99249.578	-185743.77	-120876.34	-125338.26	35607.8568	-30051.938
-181822.39	-161799.29	-150362.16	183190.893	112389.746	-99249.578	-185743.77	-120876.34	-125338.26	35607.8568	-30051.938
20483.7719	18518.5611	19709.9873	21678.8744	19162.8433	21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
181822.389	161799.288	150362.159	-183190.89	-112389.75	99249.5777	185743.771	120876.337	125338.26	-35607.857	30051.9375
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0.09	0.07	0.82	0.21	0.33	0.21	1.26	6.94	1.73	0.15	0.09
337396.183	318398.484	396648.912	411047.067	355850.291	341299.468	317231.72	298464.637	340906.548	422143.47	381894.385
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
20483.7719	18518.5611	19709.9873	21678.8744	19162.8433	21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
20483.7719	18518.5611	19709.9873	21678.8744	19162.8433	21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965
721466.391	650166.139	702998.077	1155794.72	941560.661	871387.888	880160.315	770996.044	663378.929	702949.219	612960.252
-181822.39	-161799.29	-150362.16	183190.893	112389.746	-99249.578	-185743.77	-120876.34	-125338.26	35607.8568	-30051.938

903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
10.934856	10.969742	10.973018	11.127717	11.159891	11.066717	11.074982	11.207618	11.012794	10.961817	11.058532
0.432365	0.409635	0.397277	0.451894	0.4281	0.409521	0.364627	0.33165	0.398429	0.479184	0.443308
0.417206	0.392829	0.376622	0.436464	0.412408	0.395419	0.297349	0.267893	0.361546	0.461052	0.425793
2989891.88	2814639.48	3574894.56	5502271.87	4483490.71	3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98
2644086.77	2497694.85	3123534.63	3274424.78	2777382.02	2727768.19	2636625.95	2252378.9	2730893.04	3546266.97	3067586.49
11541.4547	10036.9493	10574.6709	11165.7615	9877.12503	10735.2086	11605.1546	10145.8164	10647.3135	11652.7811	10656.9741
-7503.6858	-14934.648	-32997.503	-25057.173	-22264.7	-15021.712	-17726.297	-21278.485	-23767.239	-31878.531	-29566.45
3308574.82	2877021.58	3020872.66	3236885.38	2942623.07	3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23
0.030568	0.036335	0.033931	0.032936	0.034911	0.032391	0.035751	0.035148	0.035719	0.035759	0.034872
609393.029	498722.323	501578.685	617631.576	530733.286	532223.439	418652.369	366155.193	484412.212	647998.657	572975.22
889226.5	671288.823	700795.64	1239918.57	1037359.3	877827.394	732534.85	735495.365	815606.574	1166139.4	990039.79
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867738.255	745105.429	759005.664	834064.76	732870.426	764997.594	554535.236	516108.933	703206.798	872959.515	787764.865
4572.72468	4247.43032	13030.5899	31631.9914	22066.6551	8509.16799	21508.1787	19118.2218	26150.6902	68786.3052	43260.8921
130279.99	112567.2	116897.372	124713.512	113011.734	118945.32	105335.468	99586.446	112070.781	124340.686	118516.885
354.021711	351.7725	347.908845	354.29975	353.161668	354.003928	299.248488	296.388232	333.543991	353.240585	352.728824
135092.8	117472	123345.6	129219.2	117472	123345.6	129219.2	123345.6	123345.6	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
56361.588	46146.412	46454.738	56399.648	48446.442	48773.286	38423.274	33043.542	44595.224	59576.814	52519.804
181.051809	157.782323	152.846518	236.536157	308.324239	255.884808	193.466494	187.600185	235.711353	300.018596	262.948883
32.363156	31.826979	32.318821	35.792195	35.755666	33.891016	33.482822	36.701325	34.673641	34.76043	34.266511
1886061.78	1518376.3	1563567.83	2214046.75	1888744.04	1758301.02	1382934.46	1341360.62	1628980.09	2185190.42	1903802.46
2563614.14	2064497.31	2160894.38	4629585.83	3787431.84	2931685.38	2043330.69	2484062.82	2485861.11	3935043.93	3269080.26
84349.0457	79599.6209	99162.228	103135.695	89873.9852	85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501
677552.357	546121.018	597326.552	2415539.08	1898687.8	1173384.36	660396.228	1142702.2	856881.016	1749853.5	1365277.8
3285080.53	2714663.45	2863892.46	5785380.56	4728992.5	3803073.27	2923491	3255058.86	3149240.04	4637993.14	3882040.51
1441.44	1131.72	1122.05	1647	1507.61	1384.16	1234.94	917.66	1278.9	1698.81	1483.3
460677.953	220506.072	102024.516	482775.761	411178.937	382627.366	316488.944	350358.194	235527.279	205327.543	225806.025
27.521854	27.491	28.027448	39.562584	37.152665	31.315021	28.805477	29.632488	29.429639	36.065423	33.149988
351421.216	422605.088	843963.583	609090.108	504176.618	416900.848	534415.204	393090.186	579167.427	935461.491	779470.065
207.21	215.46	298.92	257.92	237.35	227.24	260.5	266.4	260.5	286.68	269.94

153.932447	166.661165	217.015233	192.539056	188.479595	166.086395	167.493264	162.254148	198.065261	233.942789	219.256242
6.67849	6.575683	9.040285	6.285306	6.122317	5.076572	6.977356	5.927257	5.939616	6.931143	6.810016
17,997	19,649	34,383	31,104	27,495	21,670	23,954	26,669	27,648	34,741	32,972
656274.498	331019.088	140661.199	901411.926	757545.577	709583.782	486713.862	763991.815	370048.964	338969.517	387436.974
7.121947	5.009835	2.128002	2.814593	3.663041	4.167304	6.237216	2.584268	3.414132	2.897862	2.946014
10,494	4,714	1,385	6,047	5,230	6,649	6,227	5,391	3,880	2,862	3,406
33.113753	34.152688	36.917391	41.908247	41.833474	36.99703	35.28143	29.461703	37.941539	49.374347	41.493034
33.071848	34.11977	36.858865	41.905638	41.828409	36.978618	35.246277	29.448148	37.852297	49.304907	41.483484
-7503.6858	-14934.648	-32997.503	-25057.173	-22264.7	-15021.712	-17726.297	-21278.485	-23767.239	-31878.531	-29566.45
-20.39045	-46.670774	-98.206853	-71.185149	-69.577187	-44.707477	-50.358798	-63.328823	-70.73583	-90.564009	-87.995385
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-72.201993	-69.768752	-64.514517	-62.17433	-62.903832	-67.787234	-74.175171	-68.459221	-69.161328	-65.667661	-65.374311
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66351.7395	59950.8253	64779.3225	72031.3684	62379.4403	63654.4028	56004.1668	47946.8592	58294.8639	71520.2536	63314.9168
2292665.55	2075089.76	2279571.05	2665334.67	2273205.41	2310867.34	2102210.75	1859288.72	2151725.62	2610805.48	2288116.42
5802736.73	5307339.33	6148802.83	6140427.27	5415036.23	5535005.65	5743107.04	4954066.22	5721729.45	6695217.92	6037011.35
5497883.44	5398925.33	6852105.22	5848105.45	5161667.27	5242322.72	5790808.38	4583164.59	5930847.91	7291709.89	6429044.44
		0.012987				0.045454	0.116883	0.04329		
681655.171	627290.53	767052.433	869217.327	745035.806	694405.826	607530.502	530891.329	665917.32	898733.113	799179.048
4.48	3.99	3.73	5.29	5.84	5.28	3.59	3.84	4.12	5.9	4.68
36649.1572	35118.3059	35712.4917	39513.9814	33937.7396	35886.9986	30689.8133	24298.4687	31231.1154	37565.0644	33381.8643
9374658.18	8268297.21	9260582.17	12195483.5	10380626.1	9586575.58	8853996.14	8360207.41	9089719.64	11616155.6	10174624
6066083.37	5391275.63	6239709.51	8958598.12	7438003.07	6496821.35	5617110.76	5270453.18	5999965.41	8379270.21	7084869.77
1756964.75	1416394.25	1459801.3	2073983.33	1770229.72	1642824.99	1287070.09	1251604.3	1518813.37	2039098.92	1777804.65
76845.3599	64664.9731	66164.7253	78078.5224	67609.2853	70303.1546	62231.447	53337.6745	62175.232	74382.3045	66720.9005
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6066083.37	5391275.63	6239709.51	8958598.12	7438003.07	6496821.35	5617110.76	5270453.18	5999965.41	8379270.21	7084869.77
92447.8664	66863.7392	68054.034	100549.441	84576.5788	79589.0301	65174.56	65457.8558	78935.6049	108526.442	92615.9419
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19
20483.7719	18518.5611	19709.9873	21678.8744	19162.8433	21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965
721466.391	650166.139	702998.077	1155794.72	941560.661	871387.888	880160.315	770996.044	663378.929	702949.219	612960.252
-181822.39	-161799.29	-150362.16	183190.893	112389.746	-99249.578	-185743.77	-120876.34	-125338.26	35607.8568	-30051.938
903288.779	811965.427	853360.236	972603.83	829170.915	970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19

2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07
3089754.23	3384016.53	2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09	3451696.86
-3089754.2	-3384016.5	-2795491.9	-3236885.4	-3151549.3	-3001475.5	-3301623.1	-3301623.1	-3001475.5	-3301623.1	-3451696.9
-3089754.2	-3384016.5	-2795491.9	-3236885.4	-3151549.3	-3001475.5	-3301623.1	-3301623.1	-3001475.5	-3301623.1	-3451696.9
3089754.23	3384016.53	2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09	3451696.86
3089754.23	3384016.53	2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09	3451696.86
3089754.23	3384016.53	2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09	3451696.86

36.863807	37.089967	36.939187	37.693077	54.160161	50.472461	41.637341	37.872811	39.178871	38.871561	49.012741
22.850262	22.850162	22.850162	22.850182	23.307244	23.307145	23.307224	23.307185	23.307126	23.307027	23.307185
36.741762	36.967922	36.817142	37.571032	54.036522	50.348822	41.513702	37.749172	39.055232	38.747922	48.889102
36.835643	37.061803	36.911023	37.664913	54.131629	50.443929	41.608809	37.844279	39.150339	38.843029	48.984209
36.131539	36.357699	36.206919	36.960809	53.418328	49.730628	40.895508	37.130978	38.437038	38.129728	48.270908
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36.816867	37.043027	36.892247	37.646137	54.112608	50.424908	41.589788	37.825258	39.131318	38.824008	48.965188
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21.054286	21.054286	21.054286	21.054286	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371
1.15	1.15	1.15	1.15	1.18	1.18	1.18	1.18	1.18	1.18	1.18
36.56339	36.78955	36.63877	37.39266	53.85582	50.16812	41.333	37.56847	38.87453	38.56722	48.7084
4.670916	4.781317	5.588416	6.330465	6.380854	6.387152	5.664599	5.077259	4.748478	4.727126	4.750653
28.578057	28.738022	28.70476	29.269193	40.325277	37.867327	31.917041	29.358406	30.201709	29.995048	36.757809
28.578057	28.738022	28.70476	29.269193	40.325277	37.867327	31.917041	29.358406	30.201709	29.995048	36.757809
0.972579					0.27788	0.13894		0.6947	0.13894	0.27788
0.020845					0.001916	0.000255		0.010634	0.001388	0.000628
0.019153					0.001833	0.000227		0.010277	0.001388	0.000628
1746.36142					517.863616			254.205508	427.855522	345.783018
6.710548					1.704709			1.114696	1.25632	1.114803
144.8					13.2	1.8		74	11	5.2
0.03875	0.032309	0.032993	0.03446	0.03122	0.041031	0.027244	0.037954	0.030593	0.025568	0.030108
2011.8512					183.4008	25.0092		1028.156	152.834	72.2488
42358.0908					3938.60038	537.081869		22080.0324	3282.16698	1551.56985
1.563491					0.455645	0.227822		1.139113	0.227822	0.455645
2577.78494					239.686505	32.684523		1343.69708	199.738754	94.421956
7267.05	8012.475	6614.325	7647.075	7323.975	6904.575	7704.225	7619.4	6979.725	7717.5	8030.7
21.628125	21.773029	21.757648	21.724644	21.797544	21.576796	21.887002	21.646022	21.81164	21.924715	21.822554
7560	8280	6840	7920	7560	7200	7920	7920	7200	7920	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
144.8					13.2	1.8		74	11	5.2
22.002904					6.401768	3.231657		16.045418	3.177568	6.475677
22.002904					6.401768	3.231657		16.045418	3.177568	6.475677
45195.5407					4213.86268	581.698293		23572.4249	3495.32574	1671.8076
74869.0418					4612.47245	611.557816		40415.5081	4045.91268	1879.24651
29673.501					398.609762	29.859523		16843.0832	550.586944	207.438908

74869.0418					4612.47245	611.557816		40415.5081	4045.91268	1879.24651
16.93					4.32	1.57		8.67	3.49	4.12
43449.1793					3695.99907	581.698293		23318.2194	3067.47021	1326.02458
72475.753					3991.37999	611.557816		40131.5611	3547.36154	1469.85732
1.36476					0.395005	0.2		1	0.19701	0.383047
139.195169					11.570252	1.8		73.2	9.653512	4.1118
318.732841					320.960471			336.648792	320.771016	317.756885
9.464707					3.209604			3.366487	3.20771	3.177568
144.8					13.2	1.8		74	11	5.2
0.430952					0.04125	0.005113		0.23125	0.03125	0.01413
29673.501					398.609762	29.859523		16843.0832	550.586944	207.438908
29673.501					398.609762	29.859523		16843.0832	550.586944	207.438908
5.60483					1.629747			0.8	1.346487	1.088199
1746.36142					517.863616			254.205508	427.855522	345.783018
0.86					0.35	0.07		0.5	0.14	0.1
-29673.501					-398.60976	-29.859523		-16843.083	-550.58694	-207.43891
-102149.25					-4389.9898	-641.41734		-56974.644	-4097.9485	-1677.2962
0.04					0.02			0.01	0.02	
1730.885					192.1235	24.8081		845.8388	176.7099	80.6812
0.09					0.02	0.01		0.06		0.02
85.905					19.4718	9.7359		58.4154		19.4718
45195.5407					4213.86268	581.698293		23572.4249	3495.32574	1671.8076
45195.5407					4213.86268	581.698293		23572.4249	3495.32574	1671.8076
44935.8757					4178.28688	569.766393		23423.7295	3481.90574	1645.9918
144.8					13.2	1.8		74	11	5.2
85.905					19.4718	9.7359		58.4154		19.4718
45195.5407					4213.86268	581.698293		23572.4249	3495.32574	1671.8076
173.76					16.104	2.196		90.279999	13.42	6.344

1.97799	4.80369	3.86179	2.8257	5.463019	6.21654	4.80369	5.6514	3.10827	4.89788	7.44101
0.131347	0.169352	0.114652	0.112732	0.275775	0.233921	0.186195	0.164357	0.180231	0.209185	0.307323
0.128363	0.16557	0.111611	0.110482	0.266755	0.225468	0.182471	0.16	0.175875	0.203096	0.298369
38567.0838	30323.8884	37053.6463	119297.761	207144.695	139559.854	55556.7279	25423.0731	62642.5141	114327.408	318429.233
150.556507	126.689238	142.931918	388.083987	686.818829	476.554212	207.570114	107.140552	271.274648	393.26861	981.912162
2501.54	3533.94	1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42	6368.4

0.02744	0.033804	0.037269	0.02517	0.026726	0.03125	0.026107	0.025937	0.031156	0.034431	0.03
23562.0053	33286.1809	18536.0269	21245.6848	48965.0483	39415.6893	35088.9775	30767.7286	30745.8766	39055.13	59983.9596
117643.039	175572.515	118592.387	144103.475	301509.992	242707.543	200210.275	162184.24	152618.974	193489.14	294843.685
1.041827	2.559699	2.432172	1.99613	3.221688	3.529105	2.821395	3.083338	1.619019	2.550714	3.825404
6588.10123	4979.95016	5020.47247	15543.7604	29220.7591	19804.7173	8345.95186	4074.17891	10628.7991	19396.5569	54653.3148
18953.24	20622.48	16974.86	19902.12	18967.16	17980	19882.98	19886.46	17981.74	19713.04	20703.68
56.408452	56.039347	55.838355	56.540113	56.44988	56.1875	56.485738	56.495625	56.192937	56.002954	56.26
19488	21344	17632	20416	19488	18560	20416	20416	18560	20416	21344
58	58	58	58	58	58	58	58	58	58	58
2501.54	3533.94	1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42	6368.4
11.588579	28.515819	26.57114	21.467521	35.325707	38.933994	31.046793	34.370915	18.128243	28.562784	42.956459
11.588579	28.515819	26.57114	21.467521	35.325707	38.933994	31.046793	34.370915	18.128243	28.562784	42.956459
138703.75	205414.782	135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719	349680.67
487195.619	293077.923	184744.331	231237.45	592649.327	477461.288	361045.764	267964.84	420144.586	374604.195	582259.342
348491.868	87663.1409	49465.3479	68057.0427	246549.708	198834.544	128857.001	77634.9682	239507.151	145419.476	232578.672
487195.619	293077.923	184744.331	231237.45	592649.327	477461.288	361045.764	267964.84	420144.586	374604.195	582259.342
84.09	133.37	83.49	91.8	229.58	223.77	183.53	182.25	103.9	157.04	249.64
100136.667	175090.894	98225.3371	43882.6456	138954.924	139066.89	176632.036	164906.799	117994.921	114857.312	31251.4366
362535.763	249814.893	134035.124	61889.2533	236491.005	231825.467	275424.895	231424.715	279759.022	175955.219	46636.2196
10.070406	26.75546	19.85612	7.401766	19.446312	23.262531	24.28181	31.03625	15.718321	20.378572	13.616387
1802.09195	3005.22674	1434.92456	605.364096	2096.21926	2082.06518	2839.26379	2834.01101	2135.79758	2087.11892	565.945934
56.186296	57.27031	67.003324	74.260777	62.915875	60.722171	62.865993	58.467361	56.760318	56.324013	57.973806
11.795172	26.284929	25.398581	22.275465	35.855966	40.054643	32.039044	31.480544	17.023407	29.245801	45.749877
2501.54	3533.94	1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42	6368.4
7.445059	9.603097	6.473486	6.408011	15.471845	13.077187	10.583352	9.28	10.20075	11.779602	17.305434
348491.868	87663.1409	49465.3479	68057.0427	246549.708	198834.544	128857.001	77634.9682	239507.151	145419.476	232578.672
348491.868	87663.1409	49465.3479	68057.0427	246549.708	198834.544	128857.001	77634.9682	239507.151	145419.476	232578.672
699.448054	528.713256	533.015444	1650.2559	3102.32074	2102.63482	886.076213	432.548986	1128.44242	2059.30108	5802.45407
38567.0838	30323.8884	37053.6463	119297.761	207144.695	139559.854	55556.7279	25423.0731	62642.5141	114327.408	318429.233
8.09	26.64	16.33	12.18	19.94	20.65	21.81	26.18	15.6	20.96	11.94
-348491.87	-87663.141	-49465.348	-68057.043	-246549.71	-198834.54	-128857	-77634.968	-239507.15	-145419.48	-232578.67
-711027.63	-337478.03	-183500.47	-129946.3	-483040.71	-430660.01	-404281.9	-309059.68	-519266.17	-321374.69	-279214.89
1.83	2.14	2.68	9.26	8.49	5.2	2.95	1.5	4.52	6.34	27.97
10426.0839	14343.2035	8656.0012	11876.4788	26757.2159	20841.391	16788.135	13189.4953	12915.7199	19795.4333	35520.0061
0.28	0.6	0.49	0.45	0.55	0.5	0.45	0.63	0.39	0.73	1.15

122.822	263.19	214.9385	197.3925	246.081	223.71	201.339	281.8746	174.4938	326.6166	514.532999
138703.75	205414.782	135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719	349680.67
138703.75	205414.782	135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719	349680.67
117643.039	175572.515	118592.387	144103.475	301509.992	242707.543	200210.275	162184.24	152618.974	193489.14	294843.685
2501.54	3533.94	1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42	6368.4
122.822	263.19	214.9385	197.3925	246.081	223.71	201.339	281.8746	174.4938	326.6166	514.532999
138703.75	205414.782	135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719	349680.67
20937.8898	29579.0778	16471.6578	18879.5394	44343.5462	35695.491	31777.1502	27863.7568	27843.9672	35368.9626	54322.452
				0.05	0.19	0.14				
11.331109	10.96643	11.004628	11.042983	10.910098	10.924751	10.985684	10.944091	11.16331	11.043948	10.837651
0.516165	0.673477	0.665529	0.65519	0.736564	0.72021	0.676695	0.682244	0.595014	0.646637	0.743171
0.494792	0.650429	0.641548	0.633941	0.71255	0.698327	0.653439	0.65632	0.572451	0.623597	0.715409
590413.302	738980.665	658940.323	826026.461	885546.351	818565.33	782334.835	669578.271	616584.842	788008.088	986509.114
2481.49668	3149.9196	2588.86656	2747.41968	2964.78623	2854.77797	3027.28002	2880.75252	2718.04087	3022.47041	3202.21948
18453.784	26568.74	21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206	29223.04
0.040029	0.03307	0.036776	0.033721	0.032738	0.034031	0.033806	0.039147	0.04	0.03659	0.038722
205977.799	288609.16	235270.862	269599.015	286407.264	267766.038	277269.49	278171.901	223385.882	265559.751	314635.573
238928.56	333226.237	272177.816	310914.992	337689.01	316030.163	327727.349	328593.891	265968.424	314989.934	372561.456
2.9262	2.9262	2.9262	2.9262	2.9835	2.9835	2.9835	2.9835	2.9835	2.9835	2.9835
365857.767	512627.59	417888.104	478861.771	516535.501	482916.049	500055.526	501683.023	402876.438	478937.011	567445.256
35803.05	39497.13	32503.02	37754.43	36075	34311.21	37751.1	37542.42	34099.2	37642.32	39266.25
106.556696	107.329157	106.917828	107.256903	107.366071	107.222531	107.247443	106.654602	106.56	106.938409	106.701766
37296	40848	33744	39072	37296	35520	39072	39072	35520	39072	40848
111	111	111	111	111	111	111	111	111	111	111
18453.784	26568.74	21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206	29223.04
35.175062	33.963074	34.160868	34.282263	34.478832	34.566534	34.671331	34.592498	35.325951	34.911247	34.290589
34.757418	33.694123	33.803664	33.919393	34.190698	34.234833	34.413482	34.290108	34.933537	34.581659	33.965726
641177.159	895140.618	731431.009	836673.912	904191.197	846008.963	875260.914	879147.204	708402.505	840786.683	995868.418
1113541.04	1193012.94	968439.656	1162559.27	1744460.74	1548162.59	1311797.25	1160153.22	1132526.33	1193071.21	1677179.87
472363.882	297872.323	237008.647	325885.357	840269.538	702153.623	436536.338	281006.015	424123.829	352284.525	681311.449
1113541.04	1193012.94	968439.656	1162559.27	1744460.74	1548162.59	1311797.25	1160153.22	1132526.33	1193071.21	1677179.87
322.55	355.83	292.82	340.13	325	309.11	340.1	338.22	307.2	339.12	353.75
44083.617	149648.832	65979.566	3628.97143	12261.6062	21060.393	87319.1786	202754.392	85606.9431	45877.795	1423.38424
183279.286	256113.737	113068.398	6116.62829	28441.7126	45246.0697	169202.171	330707.063	216987.966	76350.2769	1989.84868

10.525231	29.228689	20.73834	6.233357	8.464541	12.592743	21.373081	38.448376	22.613143	16.56403	6.538088
1336.06424	4591.33666	2014.26748	111.323108	371.231506	636.350304	2623.98144	6113.24913	2559.55578	1377.45849	42.911328
15.358237	26.378773	27.978709	31.78741	33.018146	32.502098	27.930698	27.340206	21.586762	26.3438	32.059201
15.347092	26.339874	27.955543	31.785326	33.014044	32.494983	27.905907	27.256949	21.550282	26.321023	32.057173
18453.784	26568.74	21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206	29223.04
54.921976	72.197663	71.211934	70.3675	79.093071	77.514312	72.531767	72.851562	63.542156	69.219335	79.410434
364699.286	147016.315	114032.568	184965.952	690564.461	562192.315	291607.576	135605.563	307360.029	213476.443	516851.435
364699.286	147016.315	114032.568	184965.952	690564.461	562192.315	291607.576	135605.563	307360.029	213476.443	516851.435
17117.7198	21977.4033	19634.1605	24658.0369	26204.0405	24168.2297	22907.2006	19530.5009	17773.9342	22987.7475	29180.1287
590413.302	738980.665	658940.323	826026.461	885546.351	818565.33	782334.835	669578.271	616584.842	788008.088	986509.114
9.25	44.06	32.59	4.85	10.84	14.18	32.41	46.95	13.21	15.71	1.55
-472363.88	-297872.32	-237008.65	-325885.36	-840269.54	-702153.62	-436536.34	-281006.02	-424123.83	-352284.52	-681311.45
-655643.17	-553986.06	-350077.05	-332001.99	-868711.25	-747399.69	-605738.51	-611713.08	-641111.8	-428634.8	-683301.3
254.52	200.59	194.96	283.93	212.98	207.42	211.67	177.41	213.08	227.01	235.36
74810.3924	80987.4263	72002.8679	99141.178	94528.9585	86276.0255	85344.9366	76130.727	67503.1536	85570.7804	105426.073
0.79	0.77	0.77	0.83	0.74	0.74	0.65	0.79	0.72	0.8	0.92
6680.24	6511.12	6511.12	7018.48	6383.24	6383.24	5606.9	6814.54	6210.72	6900.8	7935.92
748841.754	1045996.63	854407.089	977593.318	1053896.27	985970.271	1020189.68	1024547.66	825166.306	979594.765	1160328.43
748841.754	1045996.63	854407.089	977593.318	1053896.27	985970.271	1020189.68	1024547.66	825166.306	979594.765	1160328.43
604786.326	845853.826	690065.92	789776.763	854224.511	798946.212	827782.875	830276.914	668844.862	793926.945	940006.713
18453.784	26568.74	21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206	29223.04
6680.24	6511.12	6511.12	7018.48	6383.24	6383.24	5606.9	6814.54	6210.72	6900.8	7935.92
748841.754	1045996.63	854407.089	977593.318	1053896.27	985970.271	1020189.68	1024547.66	825166.306	979594.765	1160328.43
29710.5922	42775.6714	34853.9691	39878.6696	43583.4461	40679.5112	41871.1385	42055.75	33346.9236	39958.9378	47925.7856
8.41	43.19	23.6	2.8	5.96	8.36	25.72	50.54	17.49	18.31	1.53
1.05			0.15		0.3	0.15		0.75	0.15	0.3
0.0205			0.000028		0.000937	0.000065		0.010172	0.001107	0.000472
0.020446			0.000028		0.000937	0.000056		0.010156	0.001107	0.000434
139.762115					51.260111			30.756066	36.390462	39.958697
0.534993					0.169652			0.135562	0.109224	0.127322
20.61			0.03		0.9	0.06		9.75	1.17	0.48
0.036577	0.026875	0.020098	0.02946	0.034136	0.024968	0.027642	0.042613	0.026687	0.030681	0.034864
309.15			0.45		13.5	0.9		146.25	17.55	7.2

6508.93255			9.474428		289.917519	19.327834		3140.77313	376.892775	154.622677
1.563491			0.223355		0.455645	0.227822		1.139113	0.227822	0.455645
396.113894			0.576585		17.64315	1.17621		191.134124	22.936095	9.40968
971.13	1074.33	893.67	1024.89	973.59	936.03	1026.81	1011	934.38	1023.6	1065.51
2.890267	2.919375	2.939703	2.911619	2.897589	2.925093	2.917073	2.872159	2.919937	2.907954	2.895407
1008	1104	912	1056	1008	960	1056	1056	960	1056	1104
3	3	3	3	3	3	3	3	3	3	3
20.61			0.03		0.9	0.06		9.75	1.17	0.48
23.452365			3.350337		6.834681	3.41734		17.086703	3.41734	6.834681
23.452365			3.350337		6.834681	3.41734		17.086703	3.41734	6.834681
6905.04645			10.051013		307.560669	20.504044		3331.90726	399.82887	164.032357
11367.3474			10.187275		336.464714	21.726143		5617.73453	448.681302	181.851654
4462.30097			0.136261		28.904044	1.222098		2285.82727	48.852431	17.819297
11367.3474			10.187275		336.464714	21.726143		5617.73453	448.681302	181.851654
6.87			0.01		0.3	0.02		3.25	0.39	0.16
6765.28433			10.051013		256.300558	20.504044		3301.15119	363.438408	124.07366
11175.8506			10.187275		275.710505	21.726143		5585.27077	407.629746	137.386042
0.209589			0.03		0.06	0.03		0.15	0.029542	0.057551
20.192841			0.03		0.75	0.06		9.66	1.063512	0.36307
335.033791									341.734077	341.734077
6.700675									3.41734	3.41734
20.61			0.03		0.9	0.06		9.75	1.17	0.48
0.061339			0.000085		0.002812	0.00017		0.030468	0.003323	0.001304
4462.30097			0.136261		28.904044	1.222098		2285.82727	48.852431	17.819297
4462.30097			0.136261		28.904044	1.222098		2285.82727	48.852431	17.819297
0.417158					0.15			0.09	0.106487	0.116929
139.762115					51.260111			30.756066	36.390462	39.958697
-4462.301			-0.136261		-28.904044	-1.222098		-2285.8273	-48.852431	-17.819297
-15638.152			-10.323536		-304.61455	-22.948241		-7871.098	-456.48218	-155.20534
1632.8449			3.2038		87.7311	5.8309		742.396	126.5763	50.1495
1.02			0.01		0.15	0.02		0.39	0.12	0.08
6905.04645			10.051013		307.560669	20.504044		3331.90726	399.82887	164.032357
6905.04645			10.051013		307.560669	20.504044		3331.90726	399.82887	164.032357

6905.04645			10.051013		307.560669	20.504044		3331.90726	399.82887	164.032357
20.61			0.03		0.9	0.06		9.75	1.17	0.48
6905.04645			10.051013		307.560669	20.504044		3331.90726	399.82887	164.032357

12.161894	11.442184	11.51347	11.537601	11.45219	11.45914	11.503538	11.406066	11.869631	11.6078	11.300817
0.538373	0.754988	0.745237	0.731019	0.784841	0.773954	0.74761	0.764599	0.625832	0.716643	0.818045
0.440946	0.721518	0.709992	0.573113	0.751817	0.74232	0.715889	0.726421	0.386505	0.682017	0.783231
175346.368	299854.75	244163.371	228428.572	289174.478	272387.994	290357.861	293466.012	145823.462	278605.945	329187.385
748.517451	1285.11823	962.701921	755.113191	968.894034	951.21536	1129.11083	1269.20314	643.894827	1077.38894	1073.18234
6370.79	11417.31	9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01	12393.86
0.045029	0.046385	0.04898	0.042187	0.042232	0.042875	0.043125	0.050539	0.044437	0.04821	0.043233
75584.9629	129377.668	105246.492	98497.105	122491.7	115394.141	122932.952	124304.425	61597.1717	117785.049	139133.036
87471.2298	148902.022	121373.043	113524.46	144366.634	135990.612	145098.663	146545.032	73158.2656	139492.641	164646.605
2.224099	2.2241	2.2241	2.2241	2.2673	2.267299	2.2673	2.2673	2.267299	2.2673	2.2673
81185.8086	138964.553	113045.257	105795.74	133185.225	125468.05	133664.999	135156.202	66974.6048	128067.684	151279.35
11829.73	15089.99	12431.73	11857.25	13837.83	13170.04	14483.26	14371.03	8497.23	14406.29	15139.87
35.207529	41.005407	40.893848	33.685369	41.184017	41.156375	41.145625	40.826789	26.553843	40.92696	41.140951
14448	15824	13072	15136	14448	13760	15136	15136	13760	15136	15824
43	43	43	43	43	43	43	43	43	43	43
6370.79	11417.31	9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01	12393.86
28.844887	26.94189	27.163626	27.156644	27.455103	27.511505	27.619629	27.449816	28.653655	27.879624	27.086393
28.08729	26.494626	26.650392	26.703826	27.038035	27.055904	27.148472	26.929615	27.966237	27.376702	26.681414
179278.222	304330.371	247969.74	231858.487	293142.304	276355.821	294880.33	298543.123	148980.657	283213.743	333709.853
366425.638	481457.968	389892.761	381263.272	680019.743	599649.085	520938.206	465499.361	282461.977	472233.869	665354.543
187147.417	177127.597	141923.022	149404.784	386877.439	323293.264	226057.876	166956.238	133481.32	189020.126	331644.69
366425.638	481457.968	389892.761	381263.272	680019.743	599649.085	520938.206	465499.361	282461.977	472233.869	665354.543
275.11	350.93	289.11	275.75	321.81	306.28	336.82	333.91	197.61	335.03	352.09

16.942177	22.061955	33.943261	28.432454	36.833712	37.725433	33.454158	31.136688	31.417201	27.461289	31.355694
3.049592	4.85363	9.16468	5.402166	6.261731	7.545086	9.367164	8.406905	3.455892	5.492257	6.271138
6370.79	11417.31	9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01	12393.86
18.960684	31.025298	30.529671	24.643863	32.328154	31.919781	30.783238	31.236136	16.619718	29.326732	33.678967

147639.157	109501.89	86910.6803	97920.3477	322851.028	262976.747	161800.821	101982.315	101284.478	127453.881	258919.852
147639.157	109501.89	86910.6803	97920.3477	322851.028	262976.747	161800.821	101982.315	101284.478	127453.881	258919.852
6370.79	11417.31	9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01	12393.86
175346.368	299854.75	244163.371	228428.572	289174.478	272387.994	290357.861	293466.012	145823.462	278605.945	329187.385
-187147.42	-177127.6	-141923.02	-149404.78	-386877.44	-323293.26	-226057.88	-166956.24	-133481.32	-189020.13	-331644.69
-187147.42	-177127.6	-141923.02	-149404.78	-386877.44	-323293.26	-226057.88	-166956.24	-133481.32	-189020.13	-331644.69
1.9	2.64	3.33	2.13	2.1	2.21	2.52	2.95	0.99	1.77	1.78
0.142857			0.181818					0.35		
61135.3136	79184.1077	70267.9052	79012.4104	92569.4824	84701.3112	83423.5929	74030.2071	41977.6218	84013.7507	104442.016
0.94	1.07	0.91	0.82	0.93	0.93	1.06	1.19	0.74	1.08	1.06
3931.85362	4475.62061	3806.36893	3429.91486	3967.8264	3967.8264	4522.4688	5077.1112	3157.1952	4607.7984	4522.4688
218786.482	371956.078	302982.081	283342.924	357168.715	336672.338	359137.384	363517.046	181177.499	344779.989	406434.691
218786.482	371956.078	302982.081	283342.924	357168.715	336672.338	359137.384	363517.046	181177.499	344779.989	406434.691
168657.038	287866.575	234418.3	219320.2	277551.859	261458.661	278763.662	281701.233	140132.87	267560.324	315925.954
6370.79	11417.31	9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01	12393.86
3931.85362	4475.62061	3806.36893	3429.91486	3967.8264	3967.8264	4522.4688	5077.1112	3157.1952	4607.7984	4522.4688
218786.482	371956.078	302982.081	283342.924	357168.715	336672.338	359137.384	363517.046	181177.499	344779.989	406434.691
6689.3295	11988.1755	9745.071	9108.372	11622.6182	10929.3331	11594.199	11764.7784	5690.5917	11045.6207	13261.4302
1.05			0.15		0.3	0.15		0.75	0.15	0.3
0.020535			0.000028		0.000718	0.000085		0.010046	0.001138	0.00053
0.020535			0.000028		0.000593	0.000085		0.009906	0.001051	0.000434
130.663178								30.756066	10.252022	14.199986
0.50085								0.135562	0.028339	0.044545
20.7			0.03		0.57	0.09		9.51	1.11	0.48
0.027053	0.038586	0.037006	0.035028	0.024345	0.031843	0.033096	0.027812	0.024781	0.043295	0.041739
310.5			0.45		8.55	1.35		142.65	16.65	7.2
6537.35584			9.474428		183.614429	28.991751		3063.46179	357.564941	154.622677
1.563491			0.223355		0.455645	0.227822		1.139113	0.227822	0.455645
397.843649			0.576585		11.173995	1.764315		186.429284	21.759885	9.40968
980.73	1061.4	878.25	1019.01	983.46	929.43	1021.05	1026.63	936.21	1010.28	1057.92
2.918839	2.884239	2.88898	2.894914	2.926964	2.904468	2.90071	2.916562	2.925656	2.870113	2.874782
1008	1104	912	1056	1008	960	1056	1056	960	1056	1104
3	3	3	3	3	3	3	3	3	3	3

20.7			0.03		0.57	0.09		9.51	1.11	0.48
23.452365			3.350337		6.834681	3.41734		17.086703	3.41734	6.834681
23.452365			3.350337		6.834681	3.41734		17.086703	3.41734	6.834681
6935.19949			10.051013		194.788424	30.756066		3249.89108	379.324826	164.032357
11400.5507			10.187275		208.459367	32.881416		5524.01127	427.067381	182.346353
4465.35123			0.136261		13.670943	2.125349		2274.12019	47.742554	18.313996
11400.5507			10.187275		208.459367	32.881416		5524.01127	427.067381	182.346353
6.9			0.01		0.19	0.03		3.17	0.37	0.16
6804.53631			10.051013		194.788424	30.756066		3219.13501	369.072803	149.83237
11223.0941			10.187275		208.459367	32.881416		5491.54751	414.663317	166.885564
0.21			0.03		0.06	0.03		0.15	0.03	0.059111
20.31			0.03		0.57	0.09		9.42	1.08	0.438447
								360.965229		343.397162
								3.609652		3.433971
20.7			0.03		0.57	0.09		9.51	1.11	0.48
0.061607			0.000085		0.001781	0.000255		0.029718	0.003153	0.001304
4465.35123			0.136261		13.670943	2.125349		2274.12019	47.742554	18.313996
4465.35123			0.136261		13.670943	2.125349		2274.12019	47.742554	18.313996
0.39								0.09	0.03	0.041552
130.663178								30.756066	10.252022	14.199986
								0.05	0.08	0.03
-4465.3512			-0.136261		-13.670943	-2.125349		-2274.1202	-47.742554	-18.313996
-15688.445			-10.323536		-222.13031	-35.006765		-7765.6677	-462.40587	-185.19956
								0.03		0.01
1639.6012			3.2038		54.1036	8.4909		723.3892	120.3141	49.8824
1.04			0.01		0.11	0.03		0.38	0.11	0.08
6935.19949			10.051013		194.788424	30.756066		3249.89108	379.324826	164.032357
6935.19949			10.051013		194.788424	30.756066		3249.89108	379.324826	164.032357
6935.19949			10.051013		194.788424	30.756066		3249.89108	379.324826	164.032357
20.7			0.03		0.57	0.09		9.51	1.11	0.48
6935.19949			10.051013		194.788424	30.756066		3249.89108	379.324826	164.032357
2.866526	4.262444	3.393996	2.969713	6.260847	7.125557	4.847946	5.38178	3.842523	6.406572	9.54967
0.097146	0.08089	0.045079	0.045573	0.179242	0.139447	0.104766	0.075186	0.107496	0.120173	0.181904
0.094702	0.077804	0.043605	0.044931	0.171666	0.136018	0.101426	0.074261	0.103925	0.11792	0.176967

11821.2883	4261.12239	4530.30495	19732.486	47879.749	27837.0779	9729.70442	3505.68254	12806.6439	30647.2802	127360.186
45.838695	17.428389	17.519577	63.299403	158.897452	94.651125	36.340336	14.531703	54.740472	102.804907	379.089598
1591	1431.6	662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4	3256.2
0.02491	0.030108	0.032894	0.027471	0.029806	0.030781	0.023238	0.032173	0.032312	0.019261	0.036956
23053.4	20539.2	9474.8	11306.4	41642	31382.3	25691.9	18697	23989.6	29862.6	46860.6
115883.185	108215.368	61141.604	78087.7859	253286.483	190627.161	144275.7	99507.1138	119778.24	148535.741	231655.733
0.995618	1.545551	1.450003	1.393361	2.392111	2.613218	1.887952	1.955877	1.327252	2.2223	3.2502
2324.30001	831.251268	688.62525	2852.8154	7972.99819	4644.40646	1672.82675	646.24787	2536.34024	6158.44246	25695.8486
16350.6	17854.1	14741.4	17094.3	16273.9	15494.3	17208.4	16999.1	15456	17260.1	17774.3
48.6625	48.516576	48.491447	48.563352	48.434226	48.419687	48.8875	48.292897	48.3	49.034375	48.299728
16800	18400	15200	17600	16800	16000	17600	17600	16000	17600	18400
50	50	50	50	50	50	50	50	50	50	50
1591	1431.6	662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4	3256.2
28.788462	38.361721	33.37766	32.808845	59.85878	70.50676	52.269876	49.388226	32.830985	57.404933	86.32214
14.320556	22.069904	20.653427	19.899236	34.279826	37.460209	27.004788	27.917579	19.019363	31.881126	46.729103
116301.32	108611.01	61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409	232659.199
378948.918	142080.978	76649.5946	103130.618	381968.696	299988.042	203985.178	130599.73	284808.619	228917.708	359559.251
262647.599	33469.9682	15321.9037	24844.9545	127695.434	108822.449	59277.4332	30806.0818	164473.787	79749.2989	126900.052
378948.918	142080.978	76649.5946	103130.618	381968.696	299988.042	203985.178	130599.73	284808.619	228917.708	359559.251
121.31	136.62	84.98	98.49	244.72	276.51	216.04	158.25	133.86	232.04	360.34
104480.031	104349.887	56797.386	58553.1779	206393.513	163328.516	134978.041	96287.9652	107528.188	118521.129	105299.013
342195.477	136083.572	70856.6191	76909.9582	309715.804	253628.343	190831.221	126116.495	256259.375	178739.173	160786.184
4.589653	6.804582	5.310002	3.895603	9.218099	10.920476	7.817601	8.646411	5.753463	9.534434	10.023217
1427.68362	1373.03775	614.106069	588.480567	2322.93558	1848.29764	1666.74837	1261.13756	1483.2536	1641.13692	1446.07669
85.411067	77.94533	96.336645	104.274129	88.979937	88.860321	86.893327	78.363362	78.397332	80.030288	82.415982
17.050861	14.809612	12.523763	21.891489	36.444901	39.046644	26.936931	12.538137	18.772619	31.976668	55.1739
1591	1431.6	662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4	3256.2
4.735119	3.890217	2.180263	2.24659	8.583333	6.800937	5.071306	3.713068	5.19625	5.896022	8.848369
262647.599	33469.9682	15321.9037	24844.9545	127695.434	108822.449	59277.4332	30806.0818	164473.787	79749.2989	126900.052
262647.599	33469.9682	15321.9037	24844.9545	127695.434	108822.449	59277.4332	30806.0818	164473.787	79749.2989	126900.052
163.316383	58.562246	48.69393	202.319432	561.064416	328.002363	118.351632	45.862436	179.546403	434.263083	1810.12331
11821.2883	4261.12239	4530.30495	19732.486	47879.749	27837.0779	9729.70442	3505.68254	12806.6439	30647.2802	127360.186
20.36	22.43	9.37	10.65	44.82	33.57	28.58	19.23	24.29	30.36	38.24
-262647.6	-33469.968	-15321.904	-24844.954	-127695.43	-108822.45	-59277.433	-30806.082	-164473.79	-79749.299	-126900.05
-604843.08	-169553.54	-86178.523	-101754.91	-437411.24	-362450.79	-250108.65	-156922.58	-420733.16	-258488.47	-287686.24

0.87	0.61	0.38	1.48	4.28	1.94	0.8	0.19	0.96	3.13	14.73
14257.2231	11372.8667	5495.0549	7867.4517	30968.6452	22387.2327	16308.7139	10058.902	13624.0321	20226.199	37079.2202
0.13	0.31	0.17	0.18	0.69	0.24	0.2	0.19	0.41	0.43	0.69
106.375	196.922	107.847	103.798	471.939	166.699	147.175	124.274	267.696	304.488	485.454
116301.32	108611.01	61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409	232659.199
116301.32	108611.01	61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409	232659.199
115883.185	108215.368	61141.604	78087.7859	253286.483	190627.161	144275.7	99507.1138	119778.24	148535.741	231655.733
1591	1431.6	662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4	3256.2
106.375	196.922	107.847	103.798	471.939	166.699	147.175	124.274	267.696	304.488	485.454
116301.32	108611.01	61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409	232659.199
311.76	198.72	78.24	94.08	514.839999	371.734	284.87	162.26	288.895999	328.18	518.012
					0.05	0.02				
1.05			0.15		0.3	0.15		0.75	0.15	0.3
0.020535			0.000028		0.000937	0.000085		0.010071	0.001009	0.000401
0.020535			0.000028		0.000937	0.000085		0.009906	0.00088	0.000353
173.715428					68.346815				41.008089	13.669363
0.665607					0.226203				0.125104	0.042489
27.6			0.04		1.2	0.12		12.68	1.24	0.52
0.023511	0.025733	0.026381	0.030511	0.031577	0.032	0.023295	0.023579	0.034562	0.029318	0.047635
414			0.6		18	1.8		190.2	18.6	7.8
8716.47445			12.632571		386.556693	38.655669		4084.61573	399.441916	167.5079
1.563491			0.223355		0.455645	0.227822		1.139113	0.227822	0.455645
530.4582			0.76878		23.5242	2.35242		248.57238	24.30834	10.19382
1312.4	1434.12	1183.92	1365.04	1301.56	1239.04	1375.2	1374.8	1235.76	1366.72	1401.88
3.905952	3.897065	3.894473	3.877954	3.87369	3.872	3.906818	3.905681	3.86175	3.882727	3.809456
1344	1472	1216	1408	1344	1280	1408	1408	1280	1408	1472
4	4	4	4	4	4	4	4	4	4	4
27.6			0.04		1.2	0.12		12.68	1.24	0.52
23.452365			3.350337		6.834681	3.41734		17.086703	3.41734	6.834681
23.452365			3.350337		6.834681	3.41734		17.086703	3.41734	6.834681
9246.93265			13.401351		410.080893	41.008089		4333.18811	423.750256	177.70172
15200.7343			13.583033		448.619619	43.841888		7371.3822	464.529385	199.664742
5953.80164			0.181682		38.538725	2.833799		3038.19409	40.779129	21.963022
15200.7343			13.583033		448.619619	43.841888		7371.3822	464.529385	199.664742

6.9			0.01		0.3	0.03	3.17	0.31	0.13	
9073.21723			13.401351		341.734077	41.008089	4333.18811	382.742167	164.032357	
14964.736			13.583033		367.614007	43.841888	7371.3822	419.172072	185.654281	
0.279286			0.04		0.08	0.04	0.2	0.04	0.08	
27.081498			0.04		1	0.12	12.68	1.12	0.48	
425.814516					405.284847			378.2344	350.51833	
8.51629					4.052848			3.782344	3.505183	
27.6			0.04		1.2	0.12	12.68	1.24	0.52	
0.082142			0.000113		0.00375	0.00034	0.039625	0.003522	0.001413	
5953.80164			0.181682		38.538725	2.833799	3038.19409	40.779129	21.963022	
5953.80164			0.181682		38.538725	2.833799	3038.19409	40.779129	21.963022	
0.518501					0.2			0.12	0.04	
173.715428					68.346815			41.008089	13.669363	
6.78			0.01		0.24	0.02	3.14	0.28	0.11	
-5953.8016			-0.181682		-38.538725	-2.833799	-3038.1941	-40.779129	-21.963022	
-20918.538			-13.764715		-406.15273	-46.675687	-10409.576	-459.9512	-207.6173	
0.11					0.05			0.03	0.01	
1639.6012			3.2038		87.7311	8.4909	724.4085	101.1186	40.6398	
1.04			0.01		0.15	0.03	0.37	0.1	0.06	
9246.93265			13.401351		410.080893	41.008089	4333.18811	423.750256	177.70172	
9246.93265			13.401351		410.080893	41.008089	4333.18811	423.750256	177.70172	
9246.93265			13.401351		410.080893	41.008089	4333.18811	423.750256	177.70172	
27.6			0.04		1.2	0.12	12.68	1.24	0.52	
9246.93265			13.401351		410.080893	41.008089	4333.18811	423.750256	177.70172	

10.914093	10.391844	10.473165	10.51167	10.361153	10.370003	10.433462	10.35822	10.693173	10.526734	10.262704
0.369897	0.566346	0.562309	0.549093	0.643122	0.609781	0.571648	0.574241	0.464469	0.53144	0.646736
0.349927	0.537957	0.533039	0.519899	0.608352	0.575716	0.544144	0.540299	0.304553	0.506231	0.611099
218118.858	354996.971	291221.156	328941.818	370431.295	334924.964	349701.139	347115.478	180779.454	327657.084	408880.719
920.231658	1521.19996	1147.66922	1094.25825	1242.73078	1169.79622	1357.88624	1498.43116	797.053593	1256.10208	1319.17102
6889.928	11600.94	9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134	13178.246
0.056815	0.054782	0.057072	0.058721	0.053392	0.056843	0.050454	0.059204	0.063843	0.050482	0.056413
72663.9354	118493.309	97119.4156	109853.768	121576.665	109853.994	114678.492	113839.04	59097.1726	107226.609	133847.571
84671.8395	137213.288	112687.837	126982.336	143398.673	129798.099	135616.69	134735.131	70513.8985	127496.728	158939.886
2.936699	2.9367	2.9367	2.9367	2.9942	2.9942	2.9942	2.9942	2.9942	2.9942	2.9942

129828.653	211711.994	173523.26	196275.728	220564.386	199297.117	208049.72	206526.787	107214.09	194530.515	242826.262
18570.926	20383.424	16797.69	19415.938	18638.316	17686.066	19586.464	19405.976	12274.356	19585.878	20348.264
55.270613	55.389739	55.255559	55.158914	55.471178	55.268956	55.643363	55.130613	38.357362	55.641698	55.294195
19689.6	21564.8	17814.4	20627.2	19689.6	18752	20627.2	20627.2	18752	20627.2	21564.8
58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999
6889.928	11600.94	9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134	13178.246
37.004692	34.180214	35.149944	34.719542	34.405843	34.82592	35.685958	34.457693	37.531898	35.08883	33.817996
32.570344	31.040748	31.277464	31.393248	31.563484	31.591702	31.777371	31.552364	32.543809	32.049275	31.258795
239593.317	380499.584	315341.447	353608.642	394043.139	359117.427	375468.242	371666.151	197649.876	348761.822	435397.341
543212.77	561894.319	453492.916	534919.664	834427.658	695153.123	616476.425	530757.826	364525.102	556376.69	788417.382
303619.453	181394.735	138151.469	181311.022	440384.519	336035.697	241008.182	159091.674	166875.225	207614.868	353020.041
543212.77	561894.319	453492.916	534919.664	834427.658	695153.123	616476.425	530757.826	364525.102	556376.69	788417.382
316.91	347.84	286.65	331.33	318.06	301.81	334.24	330.51	209.46	334.23	347.24
33.297059	76.809492	22.701499				26.323054	164.671028	32.468494	8.910485	1.682568
58.840322	111.105924	25.173777				30.933043	204.749459	47.311293	14.957678	2.419164
1.001624	1.960229	0.680978				0.763567	3.500575	0.943319	0.258495	0.048173
1.001624	2.288191	0.680978				0.763567	4.824969	0.943319	0.258495	0.048173
16.817447	30.861404	34.602741	31.861976	35.915353	36.07449	33.962421	32.326169	24.867448	30.154288	32.847389
12.106619	25.304886	27.625757	27.4013	24.063286	26.695122	28.865495	27.416804	15.169143	25.027813	26.277911
6889.928	11600.94	9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134	13178.246
20.505738	31.524293	31.236098	30.46609	35.649452	33.736968	31.886846	31.661568	17.846837	29.665153	35.810451
265638.014	119458.283	87387.1509	123890.458	376836.397	278615.014	181065.734	99588.0078	135985.133	151567.519	283057.916
265638.014	119458.283	87387.1509	123890.458	376836.397	278615.014	181065.734	99588.0078	135985.133	151567.519	283057.916
6888.92638	11598.6518	9495.09302	10724.064	11978.216	10795.83	11223.4064	11140.047	5710.04468	10441.8755	13178.1978
218118.858	354996.971	291221.156	328941.818	370431.295	334924.964	349701.139	347115.478	180779.454	327657.084	408880.719
0.03	0.06	0.02				0.01	0.09		0.01	0.01
-303619.45	-181394.73	-138151.47	-181311.02	-440384.52	-336035.7	-241008.18	-159091.67	-166875.23	-207614.87	-353020.04
-303678.29	-181505.84	-138176.64	-181311.02	-440384.52	-336035.7	-241039.12	-159296.42	-166922.54	-207629.83	-353022.46
17.14	15.65	15	18.46	11.79	14.1	14.28	16.27	11.04	16.03	15.62
								0.3		
69450.1609	73406.6481	65772.8851	90293.6444	86164.6473	77453.0026	77445.0203	69147.0099	42673.6724	79126.8064	96626.7866
1.13	1.34	1.27	1.3	1.22	1.25	1.33	1.26	0.87	1.09	1.37
21441.1624	25425.8032	24097.5896	24666.824	23611.8434	24192.4625	25740.7801	24386.0022	16837.9539	21095.8273	26514.9389
277574.756	442436.036	366105.766	411029.207	457591.261	416538.109	435410.69	431169.818	228539.968	404809.171	505359.466
277574.756	442436.036	366105.766	411029.207	457591.261	416538.109	435410.69	431169.818	228539.968	404809.171	505359.466

214500.493	348925.282	286211.097	323258.064	363963.058	329095.216	343666.411	341261.918	177727.989	322027.242	401766.149
6889.928	11600.94	9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134	13178.246
21441.1624	25425.8032	24097.5896	24666.824	23611.8434	24192.4625	25740.7801	24386.0022	16837.9539	21095.8273	26514.9389
277574.756	442436.036	366105.766	411029.207	457591.261	416538.109	435410.69	431169.818	228539.968	404809.171	505359.466
3651.66184	6148.4982	5032.76022	5683.75392	6468.23664	5829.7482	6061.0518	6018.23088	3083.93352	5638.75236	7116.25284
0.04	0.1	0.05				0.05	0.26	0.05	0.03	
3	3.9	2.4	2.4	6.15	6.75	4.5	4.5	3.6	6	8.85
0.093402	0.072251	0.039732	0.03918	0.169323	0.132203	0.098097	0.067247	0.098843	0.110074	0.16802
0.090386	0.070163	0.039276	0.038551	0.168422	0.13025	0.092982	0.065795	0.095281	0.106846	0.16413
1984.27578	671.556021	942.162775	2326.93031	8528.23674	4216.67396	1182.71718	453.475069	985.337159	4903.08763	22493.6839
7.67524	2.762962	3.628215	7.518471	28.431142	14.208621	4.38809	1.853692	4.207297	16.361231	66.14078
425.18	361.48	167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54	845.6
0.02625	0.026711	0.022401	0.018778	0.012946	0.025625	0.030852	0.033664	0.034093	0.02713	0.027798
6377.7	5422.2	2507.4	2849.7	11883.9	8752.8	6873.3	4863.6	6402.9	7898.1	12684
31950.3288	28455.0852	16300.6316	19725.7165	72833.1488	53066.1062	38496.1807	25983.9916	32033.0784	39230.1058	62673.1992
0.993791	1.361301	1.002854	1.071901	2.223831	2.367617	1.652615	1.555505	1.189885	1.975675	2.87164
391.846308	137.189742	140.151536	335.375207	1413.21115	701.903891	201.091844	83.9293	193.444596	993.164095	4514.14534
4580.52	5014.38	4160.66	4835.46	4643.1	4365.2	4775.96	4762.1	4327.26	4794.3	5008.78
13.6325	13.626032	13.686381	13.737102	13.81875	13.64125	13.568068	13.528693	13.522687	13.62017	13.610815
4704	5152	4256	4928	4704	4480	4928	4928	4480	4928	5152
14	14	14	14	14	14	14	14	14	14	14
425.18	361.48	167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54	845.6
15.032788	20.634024	15.160568	16.248169	33.881733	35.967989	25.320272	23.55642	18.244463	29.908548	43.772006
15.032788	20.634024	15.160568	16.248169	33.881733	35.967989	25.320272	23.55642	18.244463	29.908548	43.772006
32023.8288	28612.5852	16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058	62925.1992
105015.767	37070.0749	20063.6925	25916.1976	107913.104	82382.0035	53821.8068	33737.92	76164.5625	59848.3397	96868.3924
72991.9385	8457.48966	3710.56089	6095.98115	34754.455	29221.3972	15147.1261	7680.4284	43868.984	20418.7339	33943.1932
105015.767	37070.0749	20063.6925	25916.1976	107913.104	82382.0035	53821.8068	33737.92	76164.5625	59848.3397	96868.3924
67.78	70.55	43.36	48.93	137.13	140.58	101.86	86.16	88.47	141.66	186.23
30039.553	27941.0292	15410.9688	17493.2861	64630.412	48943.9323	37491.9635	25604.0165	31310.2412	34526.5182	40431.5153
98714.9737	36030.992	18912.7662	22850.5747	95387.2135	75403.8721	52355.6081	33171.3184	74400.9488	52080.5601	61775.2317
2.75527	3.625918	2.223511	2.21104	5.548043	6.146956	4.187863	4.186676	3.350831	5.470521	7.130595
399.056912	352.334017	157.816564	167.621652	698.045923	536.726407	444.813877	318.644713	413.963693	460.32906	544.656977
77.605076	77.791773	105.398186	105.830682	88.92624	92.385881	93.981377	81.075667	79.738051	77.33888	78.031464

11.640761	4.667506	9.485836	15.874602	27.594486	27.715764	15.336817	8.918323	7.973805	25.52183	45.894008
425.18	361.48	167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54	845.6
1.265416	0.982282	0.549868	0.539715	2.357916	1.8235	1.301761	0.921136	1.333937	1.495852	2.297826
72991.9385	8457.48966	3710.56089	6095.98115	34754.455	29221.3972	15147.1261	7680.4284	43868.984	20418.7339	33943.1932
72991.9385	8457.48966	3710.56089	6095.98115	34754.455	29221.3972	15147.1261	7680.4284	43868.984	20418.7339	33943.1932
26.123087	9.145982	9.343435	22.358347	94.214076	46.793592	13.406122	5.595286	12.896306	66.210939	300.943022
1984.27578	671.556021	942.162775	2326.93031	8528.23674	4216.67396	1182.71718	453.475069	985.337159	4903.08763	22493.6839
4.59	9.75	5.18	5.14	13.54	10.79	10.15	9.96	7.67	10.37	13.41
-72991.939	-8457.4897	-3710.5609	-6095.9812	-34754.455	-29221.397	-15147.126	-7680.4284	-43868.984	-20418.734	-33943.193
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0.22	0.08	0.35	0.66	1.09	0.65	0.39	0.11	0.24	1.26	5.37
7297.0084	6083.3332	3061.3966	4155.3325	16899.3431	12083.1559	8588.6367	5461.0239	6998.3835	10546.7906	19775.6343
0.07	0.15	0.05	0.09	0.31	0.09	0.17	0.07	0.25	0.19	0.24
73.5	157.5	52.5	94.5	325.5	94.5	178.5	73.5	262.5	199.5	252
32023.8288	28612.5852	16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058	62925.1992
32023.8288	28612.5852	16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058	62925.1992
31950.3288	28455.0852	16300.6316	19725.7165	72833.1488	53066.1062	38496.1807	25983.9916	32033.0784	39230.1058	62673.1992
425.18	361.48	167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54	845.6
73.5	157.5	52.5	94.5	325.5	94.5	178.5	73.5	262.5	199.5	252
32023.8288	28612.5852	16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058	62925.1992
					0.03					

11.47351	10.972708	11.013837	11.029142	10.992755	10.991952	11.028714	10.945375	11.258521	11.12017	10.900625
0.312568	0.422071	0.403047	0.388532	0.490546	0.466543	0.429329	0.424521	0.357921	0.416488	0.502585
0.295478	0.406491	0.387309	0.366853	0.472579	0.449257	0.414503	0.407691	0.313458	0.40159	0.483164
1038441.68	1429088.95	1236850.96	1524754.03	1808704.8	1598129.36	1488862.98	1339541.99	1019937.97	1544664.4	2193273.93
4362.72823	6103.11838	4863.31741	5055.69298	6050.55847	5563.30408	5762.57563	5771.91277	4490.59753	5869.91517	7023.04454
36445.932	54914.01	43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23	65272.026
0.033752	0.034407	0.034979	0.032998	0.03172	0.03473	0.0311	0.0368	0.035889	0.033112	0.038584
410265.304	595727.717	468154.996	513353.173	632966.577	572788.413	582564.171	570643.695	406725.858	567592.873	707239.188
740669.035	931584.514	702273.319	793370.346	1253083.94	1073018.37	992048.915	897549.4	746439.764	967650.356	1287348.89
2.935191	2.915219	2.895203	2.933468	3.144553	3.105825	3.011501	2.960148	3.033863	2.993132	3.086385
580774.429	863304.137	704456.621	780935.161	870285.112	807973.243	841808.223	843366.011	579034.966	801803.953	961674.304
9304.24754	5948.39117	5849.24926	18731.951	38606.9684	25151.0277	10219.8704	4804.35608	13358.584	26548.1634	84863.3088
116619.376	130043.829	107179.525	121915.513	119017.891	113015.891	124815.449	123998.916	102721.861	124520.028	129797.154

347.081476	353.37997	352.564226	346.350889	354.219913	353.174659	354.589343	352.269647	321.005815	353.750079	352.709657
123345.6	135092.8	111598.4	129219.2	123345.6	117472	129219.2	129219.2	117472	129219.2	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
36445.932	54914.01	43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23	65272.026
248.794473	182.596745	171.58381	176.734001	225.406	269.218518	220.097541	203.815571	238.020727	227.18556	295.225308
35.065375	33.468521	33.255037	33.721974	36.182366	35.700993	34.706066	33.903573	35.752737	34.831725	35.391025
1415360.32	1922608.95	1507702	1683460.83	2264908.17	2009561.45	1961854.64	1865537.49	1422788.3	1895243.21	2412418.25
3107177.43	2708594.2	2093282.95	2439060.43	4341439.26	3708402.14	3068774.64	2588712.9	2619559.82	2890438.2	4172081.89
1691817.11	785985.253	585580.951	755599.596	2076531.09	1698840.7	1106920	723175.406	1196771.52	995194.988	1759663.63
3107177.43	2708594.2	2093282.95	2439060.43	4341439.26	3708402.14	3068774.64	2588712.9	2619559.82	2890438.2	4172081.89
1225.35	1395.14	1080.41	1186.46	1576.3	1563.17	1514.24	1429.3	1058.76	1543.68	1853.86
344865.382	457107.452	236435.959	123591.584	422240.455	376888.554	437121.508	489717.844	376644.456	317974.388	180170.995
1096623.77	678154.3	336898.082	167800.372	670035.735	610946.916	688554.835	721624.341	886034.386	487929.013	273149.686
3.235952	10.739923	7.731279	2.373737	7.413585	5.858017	6.049229	13.494957	5.057503	5.639731	4.359944
5172.67785	9324.22337	4221.79565	1472.88942	5488.43227	5117.32978	7577.64103	10531.8674	6698.47397	5579.2189	2605.03242
23.731541	33.839299	35.868339	38.329124	45.57259	46.169221	39.07439	36.025779	28.814143	38.421388	51.446407
23.703217	33.801579	35.814613	38.325966	45.407175	46.147084	38.896621	35.919639	28.784208	38.392861	51.395188
36445.932	54914.01	43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23	65272.026
108.470035	149.222853	142.181322	134.672056	173.483773	164.922281	152.164153	149.663471	115.070712	147.423948	177.369635
1506662.82	505567.086	356828.211	505775.19	1799251.48	1441142.19	837791.732	453297.364	1016920.79	738773.313	1452516.66
1506662.82	505567.086	356828.211	505775.19	1799251.48	1441142.19	837791.732	453297.364	1016920.79	738773.313	1452516.66
31273.2541	45589.7866	39001.3264	45931.6746	52802.1157	47657.8002	45984.141	42149.6746	30124.154	46314.0111	62666.9936
1038441.68	1429088.95	1236850.96	1524754.03	1808704.8	1598129.36	1488862.98	1339541.99	1019937.97	1544664.4	2193273.93
49.96	102.94	63.49	32.83	89.14	79.78	93.05	102.41	64.46	77.91	65.39
-1691817.1	-785985.25	-585580.95	-755599.6	-2076531.1	-1698840.7	-1106920	-723175.41	-1196771.5	-995194.99	-1759663.6
-2788440.9	-1464139.6	-922479.03	-923399.97	-2746566.8	-2309787.6	-1795474.8	-1444799.7	-2082805.9	-1483124	-2032813.3
276.63	221.71	216.7	315.92	240.73	231.59	232.61	198.43	230.87	255.59	300.85
0.012987			0.016528					0.05909		
244019.115	265377.586	225256.111	292356.107	347888.292	304163.808	287946.656	248017.365	188728.616	299804.479	399091.089
6.53	4.24	3.66	3.7	4.44	4.18	3.95	4.13	4.58	4.65	5.67
32441.858	37030.1558	34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303	40244.7865
1600514.61	2203027.12	1736454.74	1933285.24	2542187.78	2267259.96	2230982.91	2135415.53	1602639.03	2151664.89	2719565.23
1600514.61	2203027.12	1736454.74	1933285.24	2542187.78	2267259.96	2230982.91	2135415.53	1602639.03	2151664.89	2719565.23
1321443.46	1794888.65	1406729.94	1574305.51	2123369.05	1880991.62	1833857.14	1740915.41	1325474.73	1769454.31	2249023.19
36445.932	54914.01	43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23	65272.026

32441.858	37030.1558	34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303	40244.7865
1600514.61	2203027.12	1736454.74	1933285.24	2542187.78	2267259.96	2230982.91	2135415.53	1602639.03	2151664.89	2719565.23
61474.9934	90690.1429	66181.6981	73644.4149	106532.687	93521.9215	91590.6055	87864.7761	70344.592	92353.8735	123150.277
8.45	43.29	23.65	2.8	6.01	8.63	25.93	50.8	17.54	18.34	1.53

2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
345162.174	402891.028	456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259	1034566.62
1414.68796	1705.12241	1781.09296	3161.17359	2158.10616	1986.56854	1844.18297	1404.05511	1576.37383	2104.66946	3349.77909
-80363.166	-86195.353	-77277.971	-105861.8	-100481.01	-91757.057	-90644.998	-81513.496	-72558.154	-91649.555	-113004.48
80363.1656	86195.3528	77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555	113004.484
345162.174	402891.028	456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259	1034566.62
277.13	220.89	215.36	315.5	239.3	230.69	231.92	197.98	237.54	254.74	299.95
194.406965	160.530228	177.462714	220.88763	190.268438	188.330078	169.361156	145.957911	165.112632	196.402436	234.335912
104.141918	84.811887	84.314592	117.064862	94.049054	91.194806	81.231759	69.516691	85.652414	91.871639	107.646656
32549.3325	20189.4656	20858.2106	39238.1903	27072.4612	24871.4988	22248.5798	15522.1626	23014.6612	26990.6233	34938.1669
-80363.166	-86195.353	-77277.971	-105861.8	-100481.01	-91757.057	-90644.998	-81513.496	-72558.154	-91649.555	-113004.48
-239.17609	-234.2265	-254.20385	-300.74375	-299.05064	-286.7408	-257.5142	-231.57243	-226.74423	-260.36805	-307.0774
-2960846.1	-3198623.4	-2859459.1	-4009862.5	-5435706.4	-4650787.1	-3802159.4	-3097637.1	-2853683.9	-3673961.1	-5689257.5
-37.333848	-37.130263	-37.017453	-37.822696	-54.206111	-50.697215	-41.948496	-38.016448	-39.292967	-39.815983	-50.317541
-2960846.1	-3198623.4	-2859459.1	-4009862.5	-5435706.4	-4650787.1	-3802159.4	-3097637.1	-2853683.9	-3673961.1	-5689257.5
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
3306008.23	3601514.44	3315769.02	4965436.35	6085940.4	5224063.22	4280453.09	3423372.64	3211649.88	4231588.39	6723824.09
80363.1656	86195.3528	77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555	113004.484
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47

2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
345162.174	402891.028	456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259	1034566.62
1414.68796	1705.12241	1781.09296	3161.17359	2158.10616	1986.56854	1844.18297	1404.05511	1576.37383	2104.66946	3349.77909
-80363.166	-86195.353	-77277.971	-105861.8	-100481.01	-91757.057	-90644.998	-81513.496	-72558.154	-91649.555	-113004.48
80363.1656	86195.3528	77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555	113004.484
345162.174	402891.028	456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259	1034566.62
277.13	220.89	215.36	315.5	239.3	230.69	231.92	197.98	237.54	254.74	299.95

194.406965	160.530228	177.462714	220.88763	190.268438	188.330078	169.361156	145.957911	165.112632	196.402436	234.335912
104.141918	84.811887	84.314592	117.064862	94.049054	91.194806	81.231759	69.516691	85.652414	91.871639	107.646656
32549.3325	20189.4656	20858.2106	39238.1903	27072.4612	24871.4988	22248.5798	15522.1626	23014.6612	26990.6233	34938.1669
-80363.166	-86195.353	-77277.971	-105861.8	-100481.01	-91757.057	-90644.998	-81513.496	-72558.154	-91649.555	-113004.48
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-2960846.1	-3198623.4	-2859459.1	-4009862.5	-5435706.4	-4650787.1	-3802159.4	-3097637.1	-2853683.9	-3673961.1	-5689257.5
-37.333848	-37.130263	-37.017453	-37.822696	-54.206111	-50.697215	-41.948496	-38.016448	-39.292967	-39.815983	-50.317541
-2960846.1	-3198623.4	-2859459.1	-4009862.5	-5435706.4	-4650787.1	-3802159.4	-3097637.1	-2853683.9	-3673961.1	-5689257.5
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
3306008.23	3601514.44	3315769.02	4965436.35	6085940.4	5224063.22	4280453.09	3423372.64	3211649.88	4231588.39	6723824.09
80363.1656	86195.3528	77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555	113004.484
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47

213916.224	268444.969	227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204	192802.509
904.711874	1150.92234	898.63251	895.887156	926.251468	956.146782	1166.08716	1395.00379	1195.4888	937.445292	635.797553
5472.40277	6867.35658	5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982	4738.32659
199760.88	253955.778	214243.047	257790.905	365971.944	338515.46	305351.564	298313.924	259082.236	227826.34	229800.433
5472.40277	6867.35658	5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982	4738.32659
16.286913	18.661295	19.15453	19.506575	20.203327	20.983371	20.866124	22.486184	20.755412	16.743294	12.875887
-14155.345	-14489.191	-13377.136	-10613.332	89755.2828	65295.1703	6488.56431	-23753	-11169.84	-11985.864	36997.924
-14155.345	-14489.191	-13377.136	-10613.332	89755.2828	65295.1703	6488.56431	-23753	-11169.84	-11985.864	36997.924
5472.40277	6867.35658	5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982	4738.32659
213916.224	268444.969	227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204	192802.509
14155.3446	14489.1907	13377.1356	10613.3324	-89755.283	-65295.17	-6488.5643	23753	11169.8404	11985.8641	-36997.924
14155.3446	14489.1907	13377.1356	10613.3324	-89755.283	-65295.17	-6488.5643	23753	11169.8404	11985.8641	-36997.924
80363.1656	86195.3528	77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555	113004.484
213916.224	268444.969	227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204	192802.509

213916.224	268444.969	227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204	192802.509
5472.40277	6867.35658	5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982	4738.32659
213916.224	268444.969	227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204	192802.509
213916.224	268444.969	227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204	192802.509
5472.40277	6867.35658	5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982	4738.32659
199760.88	253955.778	214243.047	257790.905	365971.944	338515.46	305351.564	298313.924	259082.236	227826.34	229800.433
-14155.345	-14489.191	-13377.136	-10613.332	89755.2828	65295.1703	6488.56431	-23753	-11169.84	-11985.864	36997.924
213916.224	268444.969	227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204	192802.509
208691.827	261860.433	222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458	187874.965
882.631286	1122.7228	877.242127	874.406355	901.0169	930.250667	1134.17296	1358.39871	1163.28707	910.056056	619.514177
6143.41556	7708.57914	6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368	5332.81196
224186.006	285098.765	240657.851	289503.291	411165.217	380383.774	343053.314	335552.504	291188.837	255334.949	258747.99
23.85459	14.342408	41.83961	19.456824	34.30123		25.749642	24.707853	22.073456	13.295776	32.631422
1.669821	0.143424	1.255188	0.778272	1.029036		1.287482	0.988314	10.815993	0.132957	1.631571
6143.41556	7708.57914	6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368	5332.81196
18.283974	20.947225	21.516703	21.907821	22.698642	23.579269	23.440179	25.289942	23.326461	18.77197	14.491336
15494.1791	23238.3315	18457.434	27541.8348	142475.029	114560.524	52372.5872	21932.9376	28215.6409	22544.4911	70873.0251
15494.1791	23238.3315	18457.434	27541.8348	142475.029	114560.524	52372.5872	21932.9376	28215.6409	22544.4911	70873.0251
6143.41556	7708.57914	6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368	5332.81196
208691.827	261860.433	222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458	187874.965
-15494.179	-23238.332	-18457.434	-27541.835	-142475.03	-114560.52	-52372.587	-21932.938	-28215.641	-22544.491	-70873.025
-15494.179	-23238.332	-18457.434	-27541.835	-142475.03	-114560.52	-52372.587	-21932.938	-28215.641	-22544.491	-70873.025
0.96	0.06	0.16	0.45	0.12		0.41	0.36	7.13	0.16	0.23
80363.1656	86195.3528	77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555	113004.484
208691.827	261860.433	222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458	187874.965
208691.827	261860.433	222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458	187874.965
6143.41556	7708.57914	6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368	5332.81196
208691.827	261860.433	222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458	187874.965
208691.827	261860.433	222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458	187874.965
6143.41556	7708.57914	6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368	5332.81196
224186.006	285098.765	240657.851	289503.291	411165.217	380383.774	343053.314	335552.504	291188.837	255334.949	258747.99
15494.1791	23238.3315	18457.434	27541.8348	142475.029	114560.524	52372.5872	21932.9376	28215.6409	22544.4911	70873.0251
208691.827	261860.433	222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458	187874.965

122679.775	108445.586	110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336	166037.347
515.55875	464.469057	438.323833	527.820888	517.52533	476.395327	655.162283	734.43036	596.85527	643.858593	542.694191
2394.68623	2116.83752	2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975	3241.01791
86611.2702	78772.8862	78689.265	115903.911	159092.573	134970.813	136238.77	122367.279	103311.296	123169.911	161071.548
2394.68623	2116.83752	2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975	3241.01791
7.127042	5.752275	7.125434	8.762468	8.974858	8.314341	9.2878	9.377663	8.231565	9.139061	8.807113
-36068.505	-29672.7	-32281.679	-42109.337	4605.82668	-1331.1787	-31247.773	-46739.758	-31633.702	-41634.425	-4965.7996
-36068.505	-29672.7	-32281.679	-42109.337	4605.82668	-1331.1787	-31247.773	-46739.758	-31633.702	-41634.425	-4965.7996
2394.68623	2116.83752	2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975	3241.01791
122679.775	108445.586	110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336	166037.347
36068.5053	29672.7	32281.6785	42109.3366	-4605.8267	1331.17872	31247.7726	46739.7584	31633.7017	41634.4247	4965.79962
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80363.1656	77842.6558	77277.9714	105861.798	100481.014	91757.0574	90644.9975	78521.5731	66657.5869	88673.4654	113004.484
122679.775	108445.586	110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336	166037.347
122679.775	108445.586	110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336	166037.347
2394.68623	2116.83752	2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975	3241.01791
122679.775	108445.586	110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336	166037.347
122679.775	108445.586	110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336	166037.347
2394.68623	2116.83752	2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975	3241.01791
86611.2702	78772.8862	78689.265	115903.911	159092.573	134970.813	136238.77	122367.279	103311.296	123169.911	161071.548
-36068.505	-29672.7	-32281.679	-42109.337	4605.82668	-1331.1787	-31247.773	-46739.758	-31633.702	-41634.425	-4965.7996
122679.775	108445.586	110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336	166037.347

194942.235	286882.369	222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389	164823.571
826.117947	1231.76737	879.660901	782.01183	843.712347	640.044897	1094.69598	1274.50203	936.344312	814.392224	546.763533
2530.07443	3723.32731	2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973	2087.16691
88624.0493	137911.903	105331.51	112094.811	168453.782	117554.637	149394.119	138657.447	103010.692	98608.3976	95896.9315
2530.07443	3723.32731	2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973	2087.16691
7.529983	10.117737	9.500813	8.607036	9.451852	7.209762	10.077135	10.578194	8.371994	7.461924	5.671649
-106318.19	-148970.47	-117207.94	-121341.79	-82340.921	-64638.934	-130724.46	-155389.27	-108552.97	-108813.99	-68926.64
-106318.19	-148970.47	-117207.94	-121341.79	-82340.921	-64638.934	-130724.46	-155389.27	-108552.97	-108813.99	-68926.64
2530.07443	3723.32731	2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973	2087.16691
194942.235	286882.369	222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389	164823.571
106318.185	148970.466	117207.935	121341.793	82340.9212	64638.9336	130724.461	155389.272	108552.968	108813.991	68926.6395
106318.185	148970.466	117207.935	121341.793	82340.9212	64638.9336	130724.461	155389.272	108552.968	108813.991	68926.6395

79796.7226	86195.3528	77130.2367	103982.531	98829.0803	91757.0574	90644.9975	81429.0637	72418.3725	91214.9961	109801.633
194942.235	286882.369	222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389	164823.571
194942.235	286882.369	222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389	164823.571
2530.07443	3723.32731	2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973	2087.16691
194942.235	286882.369	222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389	164823.571
194942.235	286882.369	222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389	164823.571
2530.07443	3723.32731	2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973	2087.16691
88624.0493	137911.903	105331.51	112094.811	168453.782	117554.637	149394.119	138657.447	103010.692	98608.3976	95896.9315
-106318.19	-148970.47	-117207.94	-121341.79	-82340.921	-64638.934	-130724.46	-155389.27	-108552.97	-108813.99	-68926.64
194942.235	286882.369	222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389	164823.571
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
3129.01986	3969.88157	3093.85937	3080.12623	3188.50605	3002.83767	4050.11839	4762.3349	3891.97545	3305.75217	2344.76946
16540.579	20416.1005	17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206	15399.3234
599182.205	755739.332	638921.672	775292.918	1104683.52	971424.684	934037.766	894891.154	756593.061	704939.597	745516.903
23.85459	14.342408	41.83961	19.456824	34.30123		25.749642	24.707853	22.073456	13.295776	32.631422
1.669821	0.143424	1.255188	0.778272	1.029036		1.287482	0.988314	10.815993	0.132957	1.631571
16540.579	20416.1005	17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206	15399.3234
49.227913	55.478534	57.297481	58.783901	61.32868	60.086744	63.67124	67.731985	60.685434	52.116251	41.845987
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16540.579	20416.1005	17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206	15399.3234
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
141047.856	169894.025	144409.315	146522.628	-154495.22	-113885.58	103111.082	203949.092	123140.869	139889.789	-33978.51
141047.856	169894.025	144409.315	146522.628	-154495.22	-113885.58	103111.082	203949.092	123140.869	139889.789	-33978.51
0.96	0.06	0.16	0.45	0.12		0.41	0.36	7.13	0.16	0.23
320886.219	336428.714	308964.151	421567.927	400272.121	367028.23	362579.99	322977.629	284192.268	363187.572	448815.084
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
16540.579	20416.1005	17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206	15399.3234
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
16540.579	20416.1005	17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206	15399.3234
599182.205	755739.332	638921.672	775292.918	1104683.52	971424.684	934037.766	894891.154	756593.061	704939.597	745516.903
-141047.86	-169894.02	-144409.32	-146522.63	154495.217	113885.582	-103111.08	-203949.09	-123140.87	-139889.79	33978.51

740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
11.47351	10.972708	11.013837	11.029142	10.992755	10.991952	11.028714	10.945375	11.258521	11.12017	10.900625
0.312568	0.422071	0.403047	0.388532	0.490546	0.466543	0.429329	0.424521	0.357921	0.416488	0.502585
0.295478	0.406491	0.387309	0.366853	0.472579	0.449257	0.414503	0.407691	0.313458	0.40159	0.483164
2960846.05	3198623.41	2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13	5689257.47
2123833.91	2757613.34	2476491.91	3402143.42	3409127.06	3028944.56	3004305.52	2764117.81	2257637.84	2947121.04	3939378.95
8906.43605	11778.1224	9738.26975	11296.9928	11397.1707	10552.7103	11656.877	11938.3028	9958.94681	11280.3368	12717.5931
-27376.655	-10865.242	-16636.415	-37765.301	-21584.029	-19754.169	-14670.939	-4990.2952	-16316.187	-21411.404	-32333.134
3089754.23	3384016.53	2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09	3451696.86
0.033752	0.034407	0.034979	0.032998	0.03172	0.03473	0.0311	0.0368	0.035889	0.033112	0.038584
410265.304	595727.717	468154.996	513353.173	632966.577	572788.413	582564.171	570643.695	406725.858	567592.873	707239.188
740669.035	931584.514	702273.319	793370.346	1253083.94	1073018.37	992048.915	897549.4	746439.764	967650.356	1287348.89
2.935191	2.915219	2.895203	2.933468	3.144553	3.105825	3.011501	2.960148	3.033863	2.993132	3.086385
580774.429	863304.137	704456.621	780935.161	870285.112	807973.243	841808.223	843366.011	579034.966	801803.953	961674.304
9304.24754	5948.39117	5849.24926	18731.951	38606.9684	25151.0277	10219.8704	4804.35608	13358.584	26548.1634	84863.3088
116619.376	130043.829	107179.525	121915.513	119017.891	113015.891	124815.449	123998.916	102721.861	124520.028	129797.154
347.081476	353.37997	352.564226	346.350889	354.219913	353.174659	354.589343	352.269647	321.005815	353.750079	352.709657
123345.6	135092.8	111598.4	129219.2	123345.6	117472	129219.2	129219.2	117472	129219.2	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
36445.932	54914.01	43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23	65272.026
248.794473	182.596745	171.58381	176.734001	225.406	269.218518	220.097541	203.815571	238.020727	227.18556	295.225308
35.065375	33.468521	33.255037	33.721974	36.182366	35.700993	34.706066	33.903573	35.752737	34.831725	35.391025
1415360.32	1922608.95	1507702	1683460.83	2264908.17	2009561.45	1961854.64	1865537.49	1422788.3	1895243.21	2412418.25
3107177.43	2708594.2	2093282.95	2439060.43	4341439.26	3708402.14	3068774.64	2588712.9	2619559.82	2890438.2	4172081.89
80363.1656	86195.3528	77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555	113004.484
1691817.11	785985.253	585580.951	755599.596	2076531.09	1698840.7	1106920	723175.406	1196771.52	995194.988	1759663.63
3706359.63	3464333.54	2732204.62	3214353.35	5446122.78	4679826.83	4002812.41	3483604.05	3376152.88	3595377.8	4917598.79
1225.35	1395.14	1080.41	1186.46	1576.3	1563.17	1514.24	1429.3	1058.76	1543.68	1853.86
344865.382	457107.452	236435.959	123591.584	422240.455	376888.554	437121.508	489717.844	376644.456	317974.388	180170.995
28.578057	28.738022	28.70476	29.269193	40.325277	37.867327	31.917041	29.358406	30.201709	29.995048	36.757809
345162.174	402891.028	456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259	1034566.62
277.13	220.89	215.36	315.5	239.3	230.69	231.92	197.98	237.54	254.74	299.95

194.406965	160.530228	177.462714	220.88763	190.268438	188.330078	169.361156	145.957911	165.112632	196.402436	234.335912
6.508869	7.067657	7.026216	7.804324	7.837421	5.699675	5.076984	5.793057	5.353275	5.741977	6.727916
32,549	20,189	20,858	39,238	27,072	24,871	22,249	15,522	23,015	26,991	34,938
1096623.77	678154.3	336898.082	167800.372	670035.735	610946.916	688554.835	721624.341	886034.386	487929.013	273149.686
2.224717	6.264955	4.509912	1.582491	4.324591	4.027386	4.158845	7.872058	3.477033	3.877315	2.997461
5,173	9,324	4,222	1,473	5,488	5,117	7,578	10,532	6,698	5,579	2,605
23.696396	33.824166	35.842373	38.266167	45.520229	46.169221	39.105074	36.062145	28.627798	38.414105	51.28201
23.668244	33.78653	35.788696	38.263012	45.35484	46.147084	38.92732	35.956276	28.602841	38.385578	51.230803
-27376.655	-10865.242	-16636.415	-37765.301	-21584.029	-19754.169	-14670.939	-4990.2952	-16316.187	-21411.404	-32333.134
-81.478138	-29.525114	-54.725049	-107.28779	-64.238181	-61.731778	-41.678803	-14.176974	-50.988085	-60.827853	-87.861778
-4684985.3	-6246966.9	-5442532.1	-6887495.3	-6633509	-6097234.9	-6369101.8	-6149911.9	-4961379.6	-6376700.7	-7654459.2
-58.114549	-72.47774	-70.436223	-65.056621	-66.027814	-66.469446	-70.257308	-75.452243	-68.377679	-69.61867	-67.751116
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47813.8331	66005.8872	56419.7608	66623.6081	73408.5525	66885.5586	68396.4177	65991.3334	49543.4932	64658.9317	78066.3169
1778671.74	2354722.31	2020181.95	2446569.57	2758893.1	2455668.47	2526011.83	2438382.24	1899671.9	2389493.79	2904812.33
4499831.02	5966548.72	5213779.34	6637670.92	6356229.44	5839536.38	6099973.57	5880033.85	4781528.82	6120279.02	7347312.19
3748369.42	5691285.45	5333191.22	7425444.39	6336427.66	5801865.56	5889712.42	5484145.08	4253460.38	6189977.27	8108729.13
0.012987			0.016528					0.05909		
645268.5	688001.653	611498.233	819785.832	848641.428	762949.095	741171.644	652508.49	545479.038	754641.606	960910.657
6.53	4.24	3.66	3.7	4.44	4.18	3.95	4.13	4.58	4.65	5.67
32441.858	37030.1558	34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303	40244.7865
8391344.95	9711300.42	8174736.71	10101848.7	12079631.8	10777061.7	10371914.2	9633515.94	8337532.44	9972078.5	12572058
5301590.72	6327283.89	5379244.79	6864963.29	8928082.51	7775586.18	7070291.16	6331892.85	5336056.9	6670455.41	9120361.09
1321443.46	1794888.65	1406729.94	1574305.51	2123369.05	1880991.62	1833857.14	1740915.41	1325474.73	1769454.31	2249023.19
52986.511	75330.1105	60641.5564	68096.4975	78896.9848	72002.8884	75974.0588	76523.2008	56241.9671	70238.1506	80671.3494
32441.858	37030.1558	34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303	40244.7865
5301590.72	6327283.89	5379244.79	6864963.29	8928082.51	7775586.18	7070291.16	6331892.85	5336056.9	6670455.41	9120361.09
61474.9934	90690.1429	66181.6981	73644.4149	106532.687	93521.9215	91590.6055	87864.7761	70344.592	92353.8735	123150.277
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393
16540.579	20416.1005	17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206	15399.3234
599182.205	755739.332	638921.672	775292.918	1104683.52	971424.684	934037.766	894891.154	756593.061	704939.597	745516.903
-141047.86	-169894.02	-144409.32	-146522.63	154495.217	113885.582	-103111.08	-203949.09	-123140.87	-139889.79	33978.51
740230.061	925633.357	783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387	711538.393

2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06
3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05	3520730.8	3367655.55	3061505.05	3367655.55
-3151549.3	-3151549.3	-3301623.1	-3001475.5	-3301623.1	-3061505	-3061505	-3520730.8	-3367655.5	-3061505	-3367655.5
-3151549.3	-3151549.3	-3301623.1	-3001475.5	-3301623.1	-3061505	-3061505	-3520730.8	-3367655.5	-3061505	-3367655.5
3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05	3520730.8	3367655.55	3061505.05	3367655.55
3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05	3520730.8	3367655.55	3061505.05	3367655.55
3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05	3520730.8	3367655.55	3061505.05	3367655.55

44.556771	37.565501	37.795981	37.642331	38.410601	54.166794	50.478984	41.643604	37.878964	39.185064	38.877754
23.307205	23.307185	23.307106	23.307185	23.307086	23.773308	23.77323	23.773288	23.773327	23.773288	23.773308
44.433132	37.441862	37.672342	37.518692	38.286962	54.041094	50.353284	41.517904	37.753264	39.059364	38.752054
44.528239	37.536969	37.767449	37.613799	38.382069	54.137786	50.449976	41.614596	37.849956	39.156056	38.848746
43.814938	36.823668	37.054148	36.900498	37.668768	53.412597	49.724787	40.889407	37.124767	38.430867	38.123557
44.090748	37.099478	37.329958	37.176308	37.944578	53.693003	50.005193	41.169813	37.405173	38.711273	38.403963
44.509218	37.517948	37.748428	37.594778	38.363048	54.118448	50.430638	41.595258	37.830618	39.136718	38.829408
44.547261	37.555991	37.78647	37.632821	38.401091	54.157124	50.469314	41.633934	37.869294	39.175394	38.868084

21.475371	21.475371	21.475371	21.475371	21.475371	21.904879	21.904879	21.904879	21.904879	21.904879	21.904879
1.18	1.18	1.18	1.18	1.18	1.22	1.22	1.22	1.22	1.22	1.22
44.25243	37.26116	37.49164	37.33799	38.10626	53.85738	50.16957	41.33419	37.56955	38.87565	38.56834
4.741729	4.760111	4.872837	5.691517	6.458034	6.415798	6.38426	5.668485	5.078214	4.748071	4.728064
33.78642	29.127104	29.290144	29.255941	29.831989	40.408184	37.947009	31.997113	29.438167	30.281385	30.074846
33.78642	29.127104	29.290144	29.255941	29.831989	40.408184	37.947009	31.997113	29.438167	30.281385	30.074846
0.27788	0.41682				0.27788	0.55576	0.27788		0.416819	0.27788
0.000694	0.017623				0.005333	0.002343	0.00024		0.010947	0.005126
0.000661	0.016798				0.005166	0.002305	0.000217		0.009888	0.004974
200.487545	1642.41387				903.37817	284.886946			779.993924	2430.90409
0.707303	6.420198				2.741733	0.900177			3.182991	8.080166
5	127				37.2	16.6	1.8		71.2	39.4
0.03119	0.028214	0.025028	0.020531	0.023494	0.038937	0.041656	0.027608	0.03375	0.032718	0.029943
69.47	1764.538				516.8568	230.6404	25.0092		989.252799	547.4236
1491.89408	37894.1097				11321.6858	5052.15012	547.823506		21669.4632	11991.2479
0.455645	0.683468				0.464759	0.929519	0.464759		0.697139	0.464759
90.790343	2306.07471				689.0218	307.466717	33.339764		1318.77291	729.770401
7324.2	7346.7	7721.775	7052.175	7733.925	6919.65	6900.075	8051.4	7652.7	6964.425	7682.85
21.798214	21.865178	21.93686	22.038046	21.971377	21.623906	21.562734	21.878804	21.740625	21.763828	21.826278
7560	7560	7920	7200	7920	7200	7200	8280	7920	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
5	127				37.2	16.6	1.8		71.2	39.4
6.434162	9.62595				6.50004	13.124332	6.564924		9.767696	6.492542
6.434162	9.62595				6.50004	13.124332	6.564924		9.767696	6.492542
1608.25623	40403.8039				12076.6968	5409.99264	593.325871		23116.2465	12789.7355
1738.07107	108752.059				13153.9114	6161.57081	625.106775		38629.681	17335.3199
129.814843	68348.2547				1077.21463	751.578174	31.780904		15513.4346	4545.5844

1738.07107	108752.059				13153.9114	6161.57081	625.106775		38629.681	17335.3199
3.62	7.21				5.26	5.57	0.85		7.99	6.56
1407.76868	38761.39				11173.3186	5125.10569	593.325871		22336.2525	10358.8314
1535.03789	103854.692				12178.1117	5828.65882	625.106775		37686.396	13882.4126
0.366393	0.599521				0.394634	0.798661	0.4		0.587561	0.383555
4.399693	121.861864				34.438118	15.721013	1.8		68.793417	31.89972
318.419266	320.308784				334.002368	328.519053			325.706668	328.13212
6.368385	6.406175				3.314716	3.28519			3.257066	6.562642
5	127				37.2	16.6	1.8		71.2	39.4
0.01488	0.377976				0.11625	0.051875	0.004891		0.2225	0.111931
129.814843	68348.2547				1077.21463	751.578174	31.780904		15513.4346	4545.5844
129.814843	68348.2547				1077.21463	751.578174	31.780904		15513.4346	4545.5844
0.600306	5.138135				2.761881	0.878986			2.406582	7.500279
200.487545	1642.41387				903.37817	284.886946			779.993924	2430.90409
0.11	0.17				0.87	0.32	0.07		0.36	0.27
-129.81484	-68348.255				-1077.2146	-751.57817	-31.780904		-15513.435	-4545.5844
-1664.8527	-172202.95				-13255.326	-6580.237	-656.88768		-53199.831	-18427.997
0.01	0.01				0.04	0.01			0.01	0.04
73.4671	1529.8089				568.2146	259.4222	24.966		853.0741	551.1477
0.02	0.05				0.02	0.03	0.01		0.04	0.02
19.4718	48.6795				19.8612	29.7918	9.9306		39.7224	19.8612
1608.25623	40403.8039				12076.6968	5409.99264	593.325871		23116.2465	12789.7355
1608.25623	40403.8039				12076.6968	5409.99264	593.325871		23116.2465	12789.7355
1582.68443	40200.1844				12010.7076	5359.61684	581.163271		22988.2361	12721.0183
5	127				37.2	16.6	1.8		71.2	39.4
19.4718	48.6795				19.8612	29.7918	9.9306		39.7224	19.8612
1608.25623	40403.8039				12076.6968	5409.99264	593.325871		23116.2465	12789.7355
6.1	154.939999				46.128	20.584	2.232		88.288	48.856

5.6514	2.54313	5.08626	4.14436	3.20246	5.274639	5.93397	5.46302	5.27464	2.73151	4.33274
0.256797	0.112238	0.177391	0.107368	0.107637	0.25506	0.223329	0.162206	0.162833	0.18027	0.167201
0.24738	0.10875	0.170227	0.103937	0.105681	0.248093	0.215562	0.158043	0.158153	0.174656	0.159346
211373.762	39409.5503	121573.632	39742.1937	120761.109	202794.651	153496.749	65126.1674	27619.9025	105131.726	124047.119
688.04359	152.093308	510.988781	151.374072	387.338383	657.254619	512.914235	236.337115	114.508431	445.958286	442.488132
4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84	3373.28	3228.86	3241.62	3253.22

0.02741	0.029791	0.037215	0.036718	0.022414	0.030187	0.038	0.031467	0.030142	0.033	0.032528
45408.6222	19961.8751	32734.4158	18170.0045	20322.4344	43370.9158	37683.912	31772.9243	30412.6323	30532.8188	30642.0792
224532.959	96760.0264	174734.833	112158.79	134700.266	275400.879	240045.595	183747.066	163916.154	142118.787	149616.936
2.920069	1.325103	2.754919	2.590296	2.275297	3.254096	3.487358	3.127704	2.895754	1.380732	2.21448
36096.9977	6815.06019	19398.7347	5474.74486	15978.3753	27636.6873	20894.5691	9633.59877	4399.03062	18841.6444	21330.9553
18953.82	18907.42	19656.2	17878.5	19958.38	17999.72	17854.72	20672.36	19800.62	17947.52	19751.9
56.410178	56.272083	55.841477	55.870312	56.699943	56.249125	55.796	56.174891	56.251761	56.086	56.113352
19488	19488	20416	18560	20416	18560	18560	21344	20416	18560	20416
58	58	58	58	58	58	58	58	58	58	58
4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84	3373.28	3228.86	3241.62	3253.22
32.747568	14.827335	30.664566	28.303224	24.59327	35.665769	38.378013	34.627793	32.270619	15.552326	25.035244
32.747568	14.827335	30.664566	28.303224	24.59327	35.665769	38.378013	34.627793	32.270619	15.552326	25.035244
265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142	213345.605	192271.931	170466.919	178230.282
443758.836	490406.747	282745.697	171028.63	214756.851	564493.064	487879.368	341753.705	283312.488	446942.529	346305.901
177776.472	375416.798	78017.0553	42159.7576	61473.2886	248863.134	212830.226	128408.1	91040.5575	276475.61	168075.619
443758.836	490406.747	282745.697	171028.63	214756.851	564493.064	487879.368	341753.705	283312.488	446942.529	346305.901
165.19	98.22	141.28	99.16	108.1	200.68	199.76	200.44	162.57	91.73	128.73
54608.6025	75580.3985	83155.0097	89126.6784	32522.4535	112835.279	121552.393	148219.438	164652.028	65335.1928	54183.1633
89579.2317	310687.497	114088.851	117066.602	45106.6486	200655.416	207689.417	236001.316	241989.545	156172.442	100749.209
12.384731	12.089552	23.90455	20.36963	7.825845	15.549871	19.963998	26.342362	29.943505	9.073578	12.346936
988.600118	1395.77608	1415.8277	1347.83519	461.201731	1670.4776	1782.49738	2350.4964	2761.82203	1241.23308	988.546966
56.998324	56.273269	60.530327	66.586779	75.014367	65.608692	64.030031	63.190354	59.678731	54.535895	55.961074
34.186144	15.172431	32.595971	27.875853	25.466042	36.664051	39.051518	33.450334	26.82793	15.802541	25.695453
4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84	3373.28	3228.86	3241.62	3253.22
14.348095	6.3075	9.873181	6.028375	6.129545	14.389437	12.502625	9.166521	9.172897	10.130062	9.242102
177776.472	375416.798	78017.0553	42159.7576	61473.2886	248863.134	212830.226	128408.1	91040.5575	276475.61	168075.619
177776.472	375416.798	78017.0553	42159.7576	61473.2886	248863.134	212830.226	128408.1	91040.5575	276475.61	168075.619
3832.35988	723.54392	2059.5323	581.244809	1696.39827	2934.1424	2218.34262	1022.7836	467.037967	2000.38692	2264.67303
211373.762	39409.5503	121573.632	39742.1937	120761.109	202794.651	153496.749	65126.1674	27619.9025	105131.726	124047.119
15.1	8.68	16.34	17.67	10.15	16.75	17.97	21.04	23.86	9.26	12.59
-177776.47	-375416.8	-78017.055	-42159.758	-61473.289	-248863.13	-212830.23	-128408.1	-91040.557	-276475.61	-168075.62
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14.72	2.23	15.38	2.83	9.3	8.51	6	3.23	1.56	3.86	7.58
25219.2643	8939.124	14401.2447	8628.5277	11540.8117	24270.4312	20365.2174	15552.8485	13277.734	13058.6486	15607.8978
0.73	0.34	0.78	0.57	0.4	0.37	0.43	0.55	0.58	0.32	0.68

326.6166	152.1228	348.9876	255.0294	178.968	168.8569	196.2391	251.0035	264.6946	146.0384	310.3316
265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142	213345.605	192271.931	170466.919	178230.282
265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142	213345.605	192271.931	170466.919	178230.282
224532.959	96760.0264	174734.833	112158.79	134700.266	275400.879	240045.595	183747.066	163916.154	142118.787	149616.936
4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84	3373.28	3228.86	3241.62	3253.22
326.6166	152.1228	348.9876	255.0294	178.968	168.8569	196.2391	251.0035	264.6946	146.0384	310.3316
265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142	213345.605	192271.931	170466.919	178230.282
41122.7888	18077.7996	29644.8208	16455.0524	18404.328	40060.194	34807.308	29347.536	28091.082	28202.094	28303.014
					0.03	0.17	0.31			
10.932329	11.309298	10.944265	10.958038	11.029868	10.956921	10.979756	10.956224	10.995482	11.24557	11.090194
0.704367	0.527054	0.672339	0.687918	0.667328	0.716884	0.691728	0.684331	0.6627	0.559958	0.613375
0.682492	0.507775	0.326385	0.659841	0.644832	0.696501	0.665846	0.659655	0.638367	0.540342	0.591053
860224.43	619548.313	379175.646	734466.557	856798.887	850768.014	808032.329	862046.715	689601.107	669671.516	798971.056
2951.50603	2570.89444	1558.98484	2842.46706	2795.81396	2791.08603	2761.69464	3273.1063	2920.81412	2903.81205	3023.97276
25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876	26945.588	24942.306	19192.97	23093.654
0.032351	0.038214	0.033778	0.039406	0.034232	0.028875	0.03875	0.036548	0.038494	0.03475	0.036732
275371.497	210786.94	138167.39	254065.583	273803.519	267303.081	256180.77	292211.473	271307.996	212303.042	252965.065
326355.937	249225.762	163839.927	300975.188	323479.937	327699.285	314725.75	358511.618	332995.341	257152.65	308170.353
2.9835	2.9835	2.9835	2.9835	2.9835	3.0451	3.0451	3.0451	3.0451	3.0451	3.0451
496632.495	380154.245	249184.888	458207.28	493804.647	487854.854	467555.523	533315.16	495164.223	387474.281	461686.541
36089.43	35870.76	18937.71	34120.29	37734.45	34494.36	34143.6	39355.05	37567.95	34285.68	37636.77
107.409017	106.758214	53.800312	106.625906	107.200142	107.794875	106.69875	106.94307	106.72713	107.14275	106.922642
37296	37296	39072	35520	39072	35520	35520	40848	39072	35520	39072
111	111	111	111	111	111	111	111	111	111	111
25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876	26945.588	24942.306	19192.97	23093.654
34.536294	35.815449	34.611461	34.622501	34.908401	35.307967	35.487128	35.392151	35.498274	36.31681	35.866542
34.250107	35.378618	34.286226	34.327355	34.545642	35.025649	35.09116	35.023388	35.143079	35.924043	35.443097
871202.882	667080.325	437303.114	803917.052	866022.59	862500.185	829608.456	945359.97	876675.655	683013.751	816605.436
1366546.48	1139132.85	587165.974	1040051.47	1190444.87	1668877.58	1520175.74	1380761.58	1155993.02	1110721.6	1149705.3
495343.602	472052.522	149862.86	236134.418	324422.284	806377.392	690567.287	435401.61	279317.363	427707.846	333099.864
1366546.48	1139132.85	587165.974	1040051.47	1190444.87	1668877.58	1520175.74	1380761.58	1155993.02	1110721.6	1149705.3
325.13	322.65	170.61	307.39	339.95	310.76	307.6	354.55	338.45	308.88	339.07
4508.95243	40889.9921	54763.3283	63153.5147	1805.34345	6101.45104	13745.907	74779.1956	180212.108	7007.67532	9452.23976
6969.21764	137968.872	91162.722	102519.878	2970.73175	15007.2136	28757.4606	137214.175	301215.441	19519.8391	16062.6798

8.997949	9.558658	23.107423	19.705247	4.170771	6.382212	10.546863	19.81439	35.168595	6.203728	10.202751
135.422426	1229.69868	1645.57798	1898.38685	54.08281	182.079548	407.834598	2202.51118	5296.22118	209.803569	278.758481
30.670748	14.649237	27.474545	29.639406	33.421148	33.519945	32.616543	29.10937	26.901675	20.487753	26.955342
30.665126	14.636357	27.447135	29.619232	33.419602	33.517999	32.612114	29.083827	26.823764	20.482676	26.948831
25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876	26945.588	24942.306	19192.97	23093.654
75.75666	56.363053	36.228795	73.242387	71.576437	77.311612	73.908987	73.221706	70.858823	59.978031	65.606971
351406.92	361874.189	77642.7649	103334.338	181305.184	666658.071	556661.599	282662.673	137504.674	316737.046	200875.024
351406.92	361874.189	77642.7649	103334.338	181305.184	666658.071	556661.599	282662.673	137504.674	316737.046	200875.024
25318.8156	17708.2873	11106.958	21539.1771	25140.8232	24557.6365	23243.0414	24743.0768	19646.0848	18983.1664	22814.8955
860224.43	619548.313	379175.646	734466.557	856798.887	850768.014	808032.329	862046.715	689601.107	669671.516	798971.056
2.82	11.58	19.88	34.57	3.57	5.87	9.26	30.04	40.13	2.29	4.02
-495343.6	-472052.52	-149862.86	-236134.42	-324422.28	-806377.39	-690567.29	-435401.61	-279317.36	-427707.85	-333099.86
-502312.82	-610021.39	-241025.58	-338654.3	-327393.02	-821384.61	-719324.75	-572615.78	-580532.8	-447227.69	-349162.54
229.41	254.88	95.42	208.22	288.27	216.89	216.33	229.1	189.35	241.09	264.06
		0.5								
92362.5025	75821.3153	39131.1072	76882.9862	101194.98	92491.7045	87302.3257	90328.3265	77526.7916	69234.8937	87022.573
0.75	0.77	0.39	0.73	0.86	0.64	0.89	0.97	0.78	0.72	0.93
6469.5	6642.02	3364.14	6296.98	7418.36	5630.72	7830.22	8534.06	6862.44	6334.56	8182.14
1015139.56	777258.658	509523.209	936717.132	1009139.69	1002219.51	963514.145	1098098.91	1018488.34	793984.551	948830.275
1015139.56	777258.658	509523.209	936717.132	1009139.69	1002219.51	963514.145	1098098.91	1018488.34	793984.551	948830.275
822988.432	629380.008	413024.815	759182.467	817284.585	815554.139	782281.273	891826.778	828159.564	644626.932	769856.894
25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876	26945.588	24942.306	19192.97	23093.654
6469.5	6642.02	3364.14	6296.98	7418.36	5630.72	7830.22	8534.06	6862.44	6334.56	8182.14
1015139.56	777258.658	509523.209	936717.132	1009139.69	1002219.51	963514.145	1098098.91	1018488.34	793984.551	948830.275
41744.9503	31058.297	20914.159	38437.605	41319.6458	41315.3257	39496.9629	44999.132	41653.651	32052.2599	38566.4022
3.93	12	17.58	24.46	1.7	3.12	5.76	28.42	46.44	3.89	6.36
0.3	0.45				0.3	0.6	0.3		0.45	0.3
0.000416	0.019315				0.003	0.001693	0.000119		0.011312	0.004857
0.000416	0.019315				0.003	0.001687	0.000108		0.011312	0.004857
	246.048535				52.862457	41.828362			34.972175	266.895751
	0.955184				0.158454	0.130859			0.151648	0.881353
0.42	19.47				2.88	1.62	0.12		10.86	5.13
0.029642	0.025	0.020823	0.025531	0.029318	0.024437	0.025406	0.027472	0.029943	0.01975	0.034744
6.3	292.05				43.2	24.3	1.8		162.9	76.95

135.294842	6271.88235				946.290784	532.288566	39.428782		3568.30483	1685.58046
0.455645	0.683468				0.464759	0.929519	0.464759		0.697139	0.464759
8.23347	381.680144				57.58992	32.39433	2.39958		217.161989	102.582045
978.12	982.8	1034.01	935.49	1025.04	936.54	935.61	1073.67	1024.38	941.04	1019.31
2.911071	2.925	2.937528	2.923406	2.912045	2.926687	2.923781	2.917581	2.91017	2.94075	2.895767
1008	1008	1056	960	1056	960	960	1104	1056	960	1056
3	3	3	3	3	3	3	3	3	3	3
0.42	19.47				2.88	1.62	0.12		10.86	5.13
6.834681	10.252022				6.971393	13.942787	6.971393		10.45709	6.971393
6.834681	10.252022				6.971393	13.942787	6.971393		10.45709	6.971393
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1788.16251
152.399295	16896.2947				1064.16084	631.100592	43.810883		6254.18002	2342.38773
8.870982	10242.7322				60.280136	66.417695	1.98252		2468.71319	554.22522
152.399295	16896.2947				1064.16084	631.100592	43.810883		6254.18002	2342.38773
0.14	6.49				0.96	0.54	0.04		3.62	1.71
143.528312	6407.51396				951.018247	522.854533	41.828362		3750.49465	1521.26675
152.399295	16195.8904				1008.73166	584.939357	43.810883		6216.29593	1980.49277
0.06	0.09				0.059978	0.09	0.06		0.089864	0.059248
0.42	18.75				2.728344	1.5	0.12		10.759669	4.364311
					348.569689				348.569689	348.569689
					3.485696				3.485696	6.971393
0.42	19.47				2.88	1.62	0.12		10.86	5.13
0.00125	0.057946				0.009	0.005062	0.000326		0.033937	0.014573
8.870982	10242.7322				60.280136	66.417695	1.98252		2468.71319	554.22522
8.870982	10242.7322				60.280136	66.417695	1.98252		2468.71319	554.22522
	0.72				0.151655	0.12			0.10033	0.765688
	246.048535				52.862457	41.828362			34.972175	266.895751
-8.870982	-10242.732				-60.280136	-66.417695	-1.98252		-2468.7132	-554.22522
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41.0759	1565.3244				295.706	169.8283	11.3867		858.3749	479.8619
0.09	0.45				0.29	0.23	0.04		0.39	0.35
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1788.16251
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1788.16251

143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1788.16251
0.42	19.47				2.88	1.62	0.12		10.86	5.13
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1788.16251
11.411648	12.187311	11.461915	11.439552	11.571106	11.513231	11.555619	11.479522	11.492807	11.991581	11.614183
0.782245	0.552117	0.759588	0.770187	0.742069	0.764515	0.740029	0.761539	0.738597	0.584566	0.703271
0.74632	0.427842	0.72632	0.727694	0.580512	0.732655	0.706584	0.727909	0.704381	0.363364	0.670176
287766.745	172883.244	294393.701	267461.39	235910.591	275812.413	266958.889	315169.975	292390.628	140314.978	279676.583
989.850705	734.730237	1235.53943	1039.51215	765.03468	905.137647	913.708663	1202.75114	1244.5965	609.029049	1061.61961
10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6	11518.44	10661.52	4999.9	10143.79
0.046458	0.044255	0.043409	0.056437	0.043721	0.041343	0.045406	0.045108	0.048181	0.046875	0.047329
121604.757	73266.6312	124473.858	113061.412	99809.3944	114104.01	110423.843	130386.479	120999.938	58467.8513	116059.19
144008.255	86606.263	147290.133	133815.732	117986.142	139925.503	135491.317	159893.836	148323.038	70866.1765	141581.463
2.2673	2.267299	2.2673	2.267299	2.267299	2.3146	2.314599	2.3146	2.3146	2.314599	2.3146
132220.852	79662.8081	135340.426	122931.673	108522.754	124898.249	120869.938	142721.04	132446.532	63998.9101	127038.389
13776.77	11177.85	14478.96	12983.42	11832.74	13191.11	13135.21	15110.2	14406.72	8538.51	14419.62
41.002291	33.26741	41.133409	40.573187	33.615738	41.222218	41.047531	41.060326	40.928181	26.682843	40.964829
14448	14448	15136	13760	15136	13760	13760	15824	15136	13760	15136
43	43	43	43	43	43	43	43	43	43	43
10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6	11518.44	10661.52	4999.9	10143.79
27.360117	29.326118	27.502201	27.542366	27.803746	28.137334	28.311917	28.12672	28.296238	29.623925	28.472708
26.934555	28.696095	27.051135	26.998685	27.300923	27.722527	27.815063	27.646493	27.677879	28.863351	27.972874
291819.901	176083.104	298916.17	272282.513	239494.434	279293.861	271180.145	319695.858	298091.499	143361.245	284289.502
540720.402	365590.167	471899.374	422026.469	391433.712	636326.935	585189.775	552652.883	466051.341	268006.833	471666.085
248900.5	189507.063	172983.205	149743.956	151939.278	357033.074	314009.63	232957.025	167959.842	124645.589	187376.583
540720.402	365590.167	471899.374	422026.469	391433.712	636326.935	585189.775	552652.883	466051.341	268006.833	471666.085
320.14	259.95	336.72	301.7	275.18	306.77	305.47	351.4	334.75	198.57	335.34
35.345064	14.147243	31.59545	31.843327	30.65637	35.192977	33.423372	31.602423	26.57084	20.268937	28.380743
6.362111	2.122086	23.696588	6.687098	5.82471	3.871227	5.681973	7.900605	4.782751	8.918332	17.59606
10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6	11518.44	10661.52	4999.9	10143.79
32.091785	18.397232	31.231789	31.290843	24.962017	31.504187	30.383125	31.300108	30.288409	15.624687	28.817585

185337.694	151210.595	107920.719	90646.7563	99768.9071	297390.908	256291.088	164804.013	104713.174	94084.4429	126712.445
185337.694	151210.595	107920.719	90646.7563	99768.9071	297390.908	256291.088	164804.013	104713.174	94084.4429	126712.445
10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6	11518.44	10661.52	4999.9	10143.79
287766.745	172883.244	294393.701	267461.39	235910.591	275812.413	266958.889	315169.975	292390.628	140314.978	279676.583
-248900.5	-189507.06	-172983.2	-149743.96	-151939.28	-357033.07	-314009.63	-232957.03	-167959.84	-124645.59	-187376.58
-248900.5	-189507.06	-172983.2	-149743.96	-151939.28	-357033.07	-314009.63	-232957.03	-167959.84	-124645.59	-187376.58
1.41	1.51	23.29	2.3	2.27	0.64	1.75	3.24	2.63	8.54	10.27
	0.190476			0.181818					0.35	
89862.9465	59202.5535	77334.5692	74280.9213	81994.5379	90257.429	85820.5921	88827.2873	75195.5245	42782.0784	85749.4087
0.95	0.75	1.06	1.13	0.84	0.8	0.97	1.04	1.31	0.7	1.06
4053.156	3199.86	4522.4688	4821.1224	3583.8432	3481.448	4221.2557	4525.8824	5700.8711	3046.267	4612.9186
355382.708	214379.572	363978.655	331379.713	291664.805	338936.027	328898.688	387848.87	361338.166	173922.39	344953.64
355382.708	214379.572	363978.655	331379.713	291664.805	338936.027	328898.688	387848.87	361338.166	173922.39	344953.64
276229.107	166269.071	282630.56	256747.405	226508.897	264823.752	256361.255	302614.876	280769.571	134865.087	268619.852
10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6	11518.44	10661.52	4999.9	10143.79
4053.156	3199.86	4522.4688	4821.1224	3583.8432	3481.448	4221.2557	4525.8824	5700.8711	3046.267	4612.9186
355382.708	214379.572	363978.655	331379.713	291664.805	338936.027	328898.688	387848.87	361338.166	173922.39	344953.64
11537.6388	6614.1729	11763.1413	10713.9849	9401.6941	10988.6606	10597.634	12555.0996	11621.0568	5449.891	11056.7311
0.3	0.45				0.3	0.6	0.3		0.45	0.3
0.000416	0.019315				0.003	0.00189	0.000108		0.011312	0.004941
0.000416	0.019315				0.003	0.001687	0.000108		0.011312	0.004744
	246.048535				52.285453	41.828362			26.342467	250.970176
	0.955184				0.156706	0.130859			0.11429	0.82643
0.42	19.47				2.88	1.62	0.12		10.86	5.01
0.025505	0.024672	0.030539	0.034812	0.031079	0.033	0.039718	0.034972	0.021789	0.021875	0.040681
6.3	292.05				43.2	24.3	1.8		162.9	75.15
135.294842	6271.88235				946.290784	532.288566	39.428782		3568.30483	1646.15168
0.455645	0.683468				0.464759	0.929519	0.464759		0.697139	0.464759
8.23347	381.680144				57.58992	32.39433	2.39958		217.161989	100.182465
982.29	983.13	1023.75	926.58	1023.18	928.32	921.87	1065.39	1032.99	939	1013.04
2.923482	2.925982	2.90838	2.895562	2.906761	2.901	2.880843	2.895081	2.93463	2.934375	2.877954
1008	1008	1056	960	1056	960	960	1104	1056	960	1056
3	3	3	3	3	3	3	3	3	3	3

0.42	19.47				2.88	1.62	0.12		10.86	5.01
6.834681	10.252022				6.971393	13.942787	6.971393		10.45709	6.971393
6.834681	10.252022				6.971393	13.942787	6.971393		10.45709	6.971393
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1746.33414
152.399295	16896.2947				1064.16084	631.100592	43.810883		6254.18002	2290.8772
8.870982	10242.7322				60.280136	66.417695	1.98252		2468.71319	544.543052
152.399295	16896.2947				1064.16084	631.100592	43.810883		6254.18002	2290.8772
0.14	6.49				0.96	0.54	0.04		3.62	1.67
143.528312	6407.51396				951.595251	522.854533	41.828362		3759.12436	1495.36397
152.399295	16195.8904				1009.33202	584.939357	43.810883		6226.42733	1954.00883
0.06	0.09				0.06	0.09	0.06		0.089797	0.06
0.42	18.75				2.73	1.5	0.12		10.784426	4.29
									348.569689	
									3.485696	
0.42	19.47				2.88	1.62	0.12		10.86	5.01
0.00125	0.057946				0.009	0.005062	0.000326		0.033937	0.014232
8.870982	10242.7322				60.280136	66.417695	1.98252		2468.71319	544.543052
8.870982	10242.7322				60.280136	66.417695	1.98252		2468.71319	544.543052
	0.72				0.15	0.12			0.075573	0.72
	246.048535				52.285453	41.828362			26.342467	250.970176
									0.46	
-8.870982	-10242.732				-60.280136	-66.417695	-1.98252		-2468.7132	-544.54305
-161.27028	-26438.623				-1069.6122	-651.35705	-45.793404		-8695.1405	-2498.5519
41.0759	1565.3244				295.706	169.8283	11.3867		858.3749	470.0225
0.09	0.45				0.29	0.23	0.04		0.39	0.34
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1746.33414
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1746.33414
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1746.33414
0.42	19.47				2.88	1.62	0.12		10.86	5.01
143.528312	6653.56249				1003.8807	564.682896	41.828362		3785.46682	1746.33414
6.978037	3.130182	4.805026	3.388589	2.693356	5.981525	6.974324	6.092805	5.238839	3.584067	5.265123
0.151452	0.075608	0.073003	0.035493	0.04614	0.163944	0.135143	0.087007	0.079822	0.132356	0.099562
0.147779	0.072625	0.071818	0.034312	0.044465	0.160856	0.132193	0.084	0.07738	0.126368	0.098204

63643.6176	10634.3611	31401.0546	4945.51238	20852.5978	46239.3161	33861.0956	9828.74445	4997.0541	26050.7603	33704.7863
199.576425	40.534568	130.459998	18.80455	65.926947	148.331764	112.180652	35.345704	21.016469	109.46759	115.114288
2482.7	1220.1	1264	549	782.6	2573.7	2115.1	1545.6	1361.9	2021.9	1728.4
0.024985	0.029866	0.034772	0.032921	0.035582	0.034531	0.02089	0.0311	0.039857	0.036937	0.026491
35717.5	17681.7	18069.2	7829.4	11219.8	37133.7	30514.7	22244.4	19546.3	29253.1	24902
177390.403	84896.9427	97927.3072	48041.4495	72764.0682	231178.004	193554.289	127314.961	105656.875	134334.111	122062.596
2.38307	1.074376	1.782673	1.438594	1.247996	2.313426	2.72855	2.160058	1.945444	1.173275	1.782499
12782.2798	2208.21661	5756.921	779.786317	3167.42783	7261.34097	5245.34099	1712.78327	928.088571	5677.55591	6810.53845
16453.6	16246.5	17020.4	15523.5	16955.6	15489.2	15675.5	17801.8	16852.3	15416.2	17196
48.969047	48.352678	48.353409	48.510937	48.169318	48.40375	48.985937	48.374456	47.875852	48.175625	48.852272
16800	16800	17600	16000	17600	16000	16000	18400	17600	16000	17600
50	50	50	50	50	50	50	50	50	50	50
2482.7	1220.1	1264	549	782.6	2573.7	2115.1	1545.6	1361.9	2021.9	1728.4
62.429622	25.26441	38.421788	31.754508	29.987401	60.134754	69.096464	50.13282	44.365605	32.886953	46.42163
34.033326	15.361899	25.328377	20.489116	17.795641	33.413496	39.043326	30.755334	27.773552	16.940757	25.563916
177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409	127745.807	106001.435	135078.793	122538.71
274916.787	373853.964	127079.029	60407.7039	93633.1559	372811.98	312571.197	193813.659	145075.468	337869.408	234737.347
96970.9105	288655.455	28830.9991	12211.8224	20637.3216	140781.024	118498.788	66067.8524	39074.0331	202790.615	112198.636
274916.787	373853.964	127079.029	60407.7039	93633.1559	372811.98	312571.197	193813.659	145075.468	337869.408	234737.347
254.62	129.14	123.64	80.83	91.67	232.18	258.61	220.45	149.47	147.91	190.76
114302.259	74564.1476	66846.9756	43250.3691	52143.2365	185791.639	160211.313	117917.062	101004.38	109028.033	88833.924
176680.018	322876.354	86929.4052	54095.9868	66882.4941	299032.652	256753.281	178721.021	137806.824	264736.446	165333.222
8.610496	4.728489	6.376057	5.094367	3.762965	8.693467	10.325422	8.817233	8.187155	5.324563	7.068275
1579.50988	1064.38517	856.560246	493.809399	558.572695	2061.16805	1745.54289	1424.63611	1296.52055	1621.18822	1248.17052
81.483672	79.402539	80.013991	93.474494	103.971791	94.788421	91.581585	82.711695	82.354414	83.629549	80.718674
39.905355	15.077919	24.782016	16.802422	18.667553	35.109643	39.224222	27.294859	15.647338	19.227164	27.43983
2482.7	1220.1	1264	549	782.6	2573.7	2115.1	1545.6	1361.9	2021.9	1728.4
7.388988	3.63125	3.590909	1.715625	2.223295	8.042812	6.609687	4.2	3.869034	6.318437	4.910227
96970.9105	288655.455	28830.9991	12211.8224	20637.3216	140781.024	118498.788	66067.8524	39074.0331	202790.615	112198.636
96970.9105	288655.455	28830.9991	12211.8224	20637.3216	140781.024	118498.788	66067.8524	39074.0331	202790.615	112198.636
903.190122	155.714833	407.439753	55.1906	224.027304	512.531945	369.557105	120.963885	65.379448	400.711783	480.229478
63643.6176	10634.3611	31401.0546	4945.51238	20852.5978	46239.3161	33861.0956	9828.74445	4997.0541	26050.7603	33704.7863
33.97	15.04	15.67	8.06	11.13	37.67	32.43	25	21.42	29.34	24.1
-96970.911	-288655.46	-28830.999	-12211.822	-20637.322	-140781.02	-118498.79	-66067.852	-39074.033	-202790.61	-112198.64
-273650.93	-611531.81	-115760.4	-66307.809	-87519.816	-439813.68	-375252.07	-244788.87	-176880.86	-467527.06	-277531.86

5.84	0.76	2.91	0.36	1.4	3.43	2.7	0.85	0.47	2.08	2.9
26334.5541	11001.999	9864.0923	4471.0223	8154.721	28138.2115	22377.8276	14446.8666	11028.6603	17355.3303	17072.1795
0.2	0.09	0.3	0.16	0.2	0.54	0.18	0.27	0.22	0.47	0.27
165.195	57.444	168.955	96.116	124.65	397.5	144.756	180.366	146.284	353.462	184.962
177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409	127745.807	106001.435	135078.793	122538.71
177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409	127745.807	106001.435	135078.793	122538.71
177390.403	84896.9427	97927.3072	48041.4495	72764.0682	231178.004	193554.289	127314.961	105656.875	134334.111	122062.596
2482.7	1220.1	1264	549	782.6	2573.7	2115.1	1545.6	1361.9	2021.9	1728.4
165.195	57.444	168.955	96.116	124.65	397.5	144.756	180.366	146.284	353.462	184.962
177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409	127745.807	106001.435	135078.793	122538.71
390.278	244.121999	151.768	58.316	107.116	455.452	373.364	250.48	198.276	391.22	291.152
							0.02			
0.3	0.45				0.3	0.6	0.3		0.45	0.3
0.000416	0.019334				0.003058	0.001693	0.000115		0.011669	0.004857
0.000416	0.019315				0.003	0.001687	0.000108		0.009875	0.004857
	328.064714				69.713937	55.77115			11.896819	312.197871
	1.273578				0.208942	0.174479			0.051528	1.031801
0.56	25.96				3.84	2.16	0.16		12.64	6.84
0.031428	0.026041	0.027244	0.021812	0.031107	0.034812	0.026187	0.02807	0.016051	0.028437	0.0325
8.4	389.4				57.6	32.4	2.4		189.6	102.6
180.393123	8362.5098				1261.72105	709.718088	52.57171		4153.16511	2247.44061
0.455645	0.683468				0.464759	0.929519	0.464759		0.697139	0.464759
10.97796	508.90686				76.786559	43.19244	3.19944		252.75576	136.77606
1301.76	1309	1369.64	1252.08	1364.2	1235.44	1246.48	1430.68	1385.4	1243.6	1362.24
3.874285	3.895833	3.891022	3.91275	3.875568	3.86075	3.89525	3.887717	3.935795	3.88625	3.87
1344	1344	1408	1280	1408	1280	1280	1472	1408	1280	1408
4	4	4	4	4	4	4	4	4	4	4
0.56	25.96				3.84	2.16	0.16		12.64	6.84
6.834681	10.252022				6.971393	13.942787	6.971393		10.45709	6.971393
6.834681	10.252022				6.971393	13.942787	6.971393		10.45709	6.971393
191.371083	8871.41666				1338.50761	752.910528	55.77115		4405.92087	2384.21667
203.19906	22528.3929				1418.88112	841.467456	58.414511		7463.1853	3123.18363
11.827976	13656.9763				80.373515	88.556927	2.643361		3057.26443	738.96696
203.19906	22528.3929				1418.88112	841.467456	58.414511		7463.1853	3123.18363

0.14	6.49				0.96	0.54	0.04		3.16	1.71
191.371083	8543.35194				1268.79367	697.139378	55.77115		4394.02405	2072.0188
203.19906	21594.5205				1345.77602	779.919142	58.414511		7450.7255	2700.28259
0.08	0.12				0.08	0.12	0.08		0.119458	0.078378
0.56	25				3.64	2	0.16		12.605869	5.944345
	810.597837				365.786565	375.701448			348.569689	451.94629
	16.211956				3.657865	7.514028			3.485696	9.038925
0.56	25.96				3.84	2.16	0.16		12.64	6.84
0.001666	0.077261				0.012	0.00675	0.000434		0.0395	0.019431
11.827976	13656.9763				80.373515	88.556927	2.643361		3057.26443	738.96696
11.827976	13656.9763				80.373515	88.556927	2.643361		3057.26443	738.96696
	0.96				0.2	0.16			0.03413	0.895654
	328.064714				69.713937	55.77115			11.896819	312.197871
0.13	6.23				0.91	0.47	0.03		3.15	1.49
-11.827976	-13656.976				-80.373515	-88.556927	-2.643361		-3057.2644	-738.96696
-215.02704	-35251.497				-1426.1495	-868.47607	-61.057872		-10507.99	-3439.2495
	0.24				0.05	0.04				0.2
41.0759	1565.3244				295.706	169.8283	11.3867		747.7929	479.8619
0.09	0.45				0.29	0.23	0.04		0.33	0.35
191.371083	8871.41666				1338.50761	752.910528	55.77115		4405.92087	2384.21667
191.371083	8871.41666				1338.50761	752.910528	55.77115		4405.92087	2384.21667
191.371083	8871.41666				1338.50761	752.910528	55.77115		4405.92087	2384.21667
0.56	25.96				3.84	2.16	0.16		12.64	6.84
191.371083	8871.41666				1338.50761	752.910528	55.77115		4405.92087	2384.21667

10.371482	10.906154	10.378849	10.405927	10.511932	10.421347	10.446956	10.401846	10.432351		10.542581
0.596101	0.380956	0.573308	0.596246	0.564983	0.608451	0.580796	0.579593	0.548927		0.461115
0.558301	0.360468	0.539965	0.567216	0.535332	0.576667	0.547255	0.545919	0.517028		0.256845
342365.017	227652.548	346935.444	331458.609	343950.487	343065.976	326456.477	374907.653	340572.489		169700.892
1170.6376	947.107973	1453.91786	1285.99523	1121.0348	1125.9755	1117.84203	1425.89271	1449.22167		600.658165
10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144	11772.638	10664.858		5297.996
0.068005	0.055773	0.061306	0.05025	0.057897	0.05225	0.064125	0.059048	0.058409	0.065843	0.057017
111997.215	74621.7134	113614.409	108521.937	112837.932	110053.805	104630.435	120198.017	109202.643		54557.7097
133243.593	88452.0433	134826.05	128855.891	133277.01	135059.668	128710.82	147776.057	134319.762		66619.5491
2.994199	2.994199	2.9942	2.9942	2.9942	3.056	3.056	3.056	3.056		3.056

203185.348	135378.712	206119.26	196880.497	204710.576	202058.787	192101.478	220683.56	200496.052		100167.955
18350.59	18591.436	19362.612	17809.712	19432.932	17772.208	17549.528	20291.422	19422.384		11431.688
54.614851	55.331654	55.00742	55.65535	55.207193	55.53815	54.842275	55.139733	55.177227		32.476386
19689.6	19689.6	20627.2	18752	20627.2	18752	18752	21564.8	20627.2	18752	20627.2
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6
10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144	11772.638	10664.858		5297.996
35.179571	38.053561	35.136255	34.945312	36.485749	35.559097	36.704064	35.466577	36.051707		37.760283
31.586711	33.191277	31.609323	31.689438	32.011792	32.385337	32.458292	32.326155	32.420272		32.770123
369073.496	249533.386	375216.611	356253.149	371239.585	366360.415	353501.715	402769.448	366147.44		185296.831
632428.992	570223.4	538975.905	499187.729	560903.962	772547.363	701441.049	636110.79	524095.777		293298.907
263355.496	320690.014	163759.294	142934.579	189664.377	406186.948	347939.334	233341.343	157948.337		108002.075
632428.992	570223.4	538975.905	499187.729	560903.962	772547.363	701441.049	636110.79	524095.777		293298.907
313.15	317.26	330.42	303.92	331.62	303.28	299.48	346.27	330.18		195.08
	10.852507	24.370457	21.459216				26.914289	108.995934		0.510362
	10.797306	33.360893	37.391177				30.370944	134.310174		0.646656
	0.318652	0.622932	0.631837				0.668705	2.777359		0.013752
	0.318652	0.694831	0.631837				0.781743	3.109239		0.013752
33.604231	15.690631	30.009186	35.306332	35.756187	34.980426	35.596918	32.546614	30.266663		29.671054
27.219427	11.611067	30.009186	28.890486	30.035197	24.836102	26.697688	26.999008	26.259059		18.989475
10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144	11772.638	10664.858		5297.996
32.71647	21.123482	31.64196	33.238887	31.370482	33.792737	32.0692	31.990864	30.297892		15.051125
204814.551	281685.244	104373.043	86210.1632	130683.99	348661.824	293249.005	170513.839	100868.116		79484.7605
204814.551	281685.244	104373.043	86210.1632	130683.99	348661.824	293249.005	170513.839	100868.116		79484.7605
10992.734	7097.17135	11137.2752	10635.8122	11042.41	10813.676	10262.144	11771.8563	10661.7488		5297.98225
342365.017	227652.548	346935.444	331458.609	343950.487	343065.976	326456.477	374907.653	340572.489		169700.892
	0.01	0.05					0.02	0.06		0.01
-263355.5	-320690.01	-163759.29	-142934.58	-189664.38	-406186.95	-347939.33	-233341.34	-157948.34		-108002.08
-263355.5	-320700.81	-163792.65	-142971.97	-189664.38	-406186.95	-347939.33	-233371.71	-158082.65		-108002.72
12.93	17.97	131.69	16.73	17.93	12.46	16.32	17.59	16.23		8.85
									1	0.40909
81687.7419	69725.7752	70430.1229	71535.3698	91876.7187	83772.1289	78159.8924	81814.1578	70159.0734		45161.8259
1.38	1.13	1.46	1.28	1.41	1.18	1.37	1.41	1.29		0.79
26708.4786	21869.9861	28256.7962	24773.0816	27289.0977	23294.439	27045.2385	27834.8805	25465.9545		15595.4295
427614.44	288538.156	434602.862	412977.566	430219.972	423885.539	408192.044	465596.951	423227.661		213814.146
427614.44	288538.156	434602.862	412977.566	430219.972	423885.539	408192.044	465596.951	423227.661		213814.146

336428.941	223830.756	340945.311	325736.388	337987.586	337118.454	320812.298	368459.616	334815.813	166787.504
10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144	11772.638	10664.858	5297.996
26708.4786	21869.9861	28256.7962	24773.0816	27289.0977	23294.439	27045.2385	27834.8805	25465.9545	15595.4295
427614.44	288538.156	434602.862	412977.566	430219.972	423885.539	408192.044	465596.951	423227.661	213814.146
5936.07636	3832.6446	6014.5038	5743.67976	5962.9014	5947.5218	5644.1792	6474.9509	5865.6719	2913.8978
	0.02	0.04	0.04				0.05	0.18	

6.6	2.7	3.9	2.4	2.25	5.1	6.45	4.8	3.75	3.3	4.8
0.140963	0.072734	0.065043	0.029337	0.041571	0.154896	0.128037	0.079723	0.072263	0.127132	0.09229
0.135029	0.06994	0.064318	0.029312	0.039403	0.151031	0.122906	0.074918	0.07	0.123468	0.090511
10112.1084	1631.21611	4516.22955	856.447551	3262.58484	7180.24265	5853.30086	1388.88941	763.444444	3606.0478	5291.61337
31.623171	6.121207	18.542034	3.246363	10.277083	22.913913	19.300768	4.977675	3.225121	15.14459	17.896912
635.18	329	316.96	131.32	194.18	676.62	550.62	385.98	344.96	553.14	446.04
0.032142	0.033869	0.035312	0.026156	0.029375	0.028281	0.024625	0.032445	0.029857	0.035437	0.02909
9527.7	4935	4754.4	1969.8	2912.7	10149.3	8259.3	5789.7	5174.4	8297.1	6690.6
47415.7518	23699.7766	25770.7632	12151.2207	18803.266	63369.9348	51983.5196	32965.9756	28103.6016	38170.2848	32861.3092
2.155192	0.879847	1.380954	0.98163	0.993989	1.878941	2.403998	1.624734	1.339664	1.023428	1.549257
2014.07984	337.333754	828.526253	127.405998	493.826201	1134.51572	910.930715	235.41183	137.00465	766.695328	1065.99161
4552.8	4544.68	4753.98	4362.82	4783.24	4353.3	4369.68	4984.84	4780.86	4321.24	4784.64
13.55	13.525833	13.505625	13.633812	13.58875	13.604062	13.65525	13.54576	13.581988	13.503875	13.592727
4704	4704	4928	4480	4928	4480	4480	5152	4928	4480	4928
14	14	14	14	14	14	14	14	14	14	14
635.18	329	316.96	131.32	194.18	676.62	550.62	385.98	344.96	553.14	446.04
32.492802	14.019432	20.831062	14.736963	15.04971	28.662327	36.638074	24.785818	20.244078	15.50728	24.08514
32.492802	14.019432	20.831062	14.736963	15.04971	28.662327	36.638074	24.785818	20.244078	15.50728	24.08514
47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196	33133.9756	28219.1016	38380.2848	33029.3092
72270.5916	105464.388	33012.9487	15368.0657	23995.6557	99702.9532	82984.8659	49758.5478	38405.2407	93536.2958	63477.2356
24707.8398	81712.1118	7158.18555	3206.34502	5076.88965	36060.0184	30854.3463	16624.5722	10186.1392	55156.0109	30447.9264
72270.5916	105464.388	33012.9487	15368.0657	23995.6557	99702.9532	82984.8659	49758.5478	38405.2407	93536.2958	63477.2356
130.25	84.29	79.19	41.66	47.61	118.9	129.32	109.46	80.8	81.45	110.99
37450.6435	22121.0605	21338.5336	11305.2732	15656.1812	56462.6921	46277.2187	31745.0862	27455.6571	34774.237	27737.6958
57100.2286	98601.8843	27301.3292	14185.1725	19903.0959	89179.7824	73907.651	47723.1726	37272.999	85329.2055	51699.7927
5.399502	2.452036	3.486488	2.221327	2.015187	4.595591	5.890396	4.304386	3.492238	3.05316	4.217904
500.90801	306.511083	261.724916	122.826266	161.258253	600.985618	489.891285	370.285877	335.826356	502.026978	374.973892
78.687149	75.90936	83.749679	100.327616	103.28335	93.355576	96.368562	86.809588	82.850255	76.282566	75.11912

30.609038	10.62731	16.683718	9.029485	14.459669	28.006673	32.765311	14.62452	7.456522	12.968036	21.033353
635.18	329	316.96	131.32	194.18	676.62	550.62	385.98	344.96	553.14	446.04
1.890416	0.979166	0.900454	0.410375	0.551647	2.114437	1.720687	1.048858	0.98	1.728562	1.267159
24707.8398	81712.1118	7158.18555	3206.34502	5076.88965	36060.0184	30854.3463	16624.5722	10186.1392	55156.0109	30447.9264
24707.8398	81712.1118	7158.18555	3206.34502	5076.88965	36060.0184	30854.3463	16624.5722	10186.1392	55156.0109	30447.9264
134.271989	22.488916	55.235083	8.493733	32.921746	75.634381	60.728714	15.694122	9.133643	51.113021	71.066107
10112.1084	1631.21611	4516.22955	856.447551	3262.58484	7180.24265	5853.30086	1388.88941	763.444444	3606.0478	5291.61337
12.36	3.82	9.02	4.3	4.76	11.48	9.26	8.4	9.17	7.8	7.53
-24707.84	-81712.112	-7158.1855	-3206.345	-5076.8897	-36060.018	-30854.346	-16624.572	-10186.139	-55156.011	-30447.926
-81808.068	-180314	-34459.515	-17391.518	-24979.986	-125239.8	-104762	-64347.745	-47459.138	-140485.22	-82147.719
2.74	0.21	1.37	0.28	0.73	1.2	1.16	0.29	0.14	0.89	1.04
13863.692	5665.6959	5451.9299	2419.4121	4321.1537	14806.6472	11654.1109	7384.4761	5893.6555	9247.697	8934.8773
0.14	0.05	0.08	0.01	0.11	0.26	0.14	0.16	0.11	0.2	0.16
147	52.5	84	10.5	115.5	273	147	168	115.5	210	168
47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196	33133.9756	28219.1016	38380.2848	33029.3092
47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196	33133.9756	28219.1016	38380.2848	33029.3092
47415.7518	23699.7766	25770.7632	12151.2207	18803.266	63369.9348	51983.5196	32965.9756	28103.6016	38170.2848	32861.3092
635.18	329	316.96	131.32	194.18	676.62	550.62	385.98	344.96	553.14	446.04
147	52.5	84	10.5	115.5	273	147	168	115.5	210	168
47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196	33133.9756	28219.1016	38380.2848	33029.3092
							0.02			
10.991821	11.440347	10.957533	10.942855	11.030819	11.043581	11.059875	10.9861	11.015643	11.480392	11.206671
0.464603	0.311241	0.378849	0.413886	0.395185	0.472525	0.445706	0.428097	0.412876	0.332832	0.378561
0.44732	0.292489	0.30909	0.397511	0.372687	0.455738	0.428392	0.411152	0.39626	0.256359	0.340657
1775686.17	1074221.81	1177995.71	1378930.71	1581536.26	1726938.85	1595083.16	1628468.14	1355944.63	945628.234	1414653.02
6031.94483	4461.08588	4908.43295	5341.39943	5145.42586	5653.96531	5438.97737	6178.41065	5753.38232	4086.91202	5272.56962
55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18	55543.726	51204.404	30115.09	44019.48
0.034009	0.033233	0.034927	0.034318	0.033982	0.034653	0.035059	0.034995	0.035121	0.035687	0.035777
599717.761	403991.897	431813.673	503618.137	520905.78	582775.669	548004.6	602634.003	556643.909	340358.565	486618.768
1054889.78	688441.199	744389.015	735998.271	801010.69	1187109.26	1071337.74	1010888.77	913314.771	675601.247	838482.627
3.023743	2.96683	2.960325	2.930498	2.976012	3.193011	3.161821	3.040392	3.01657	3.080959	3.005711
832156.93	598774.108	590644.574	778019.45	807037.977	815692.878	780942.387	896761.098	828106.808	453479.044	689962.196
50893.3573	9360.61055	25984.182	6381.93718	19639.6293	36032.544	27050.8408	11581.7939	5464.12384	25285.8956	29207.4854
118763.38	115960.276	105359.037	112844.567	121843.687	113319.848	112732.273	129836.812	123926.304	90597.215	116298.058

353.46244	345.119869	299.315446	352.639271	346.146838	354.124525	352.288353	352.817423	352.063363	283.116296	330.39221
123345.6	123345.6	129219.2	117472	129219.2	117472	117472	135092.8	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18	55543.726	51204.404	30115.09	44019.48
251.684184	197.688325	187.167336	171.904876	168.828279	250.881472	299.568358	236.010987	196.726524	171.026266	225.048273
34.851941	35.366152	33.926672	33.463104	34.218253	36.860183	36.51953	34.9104	34.740424	37.183659	35.310471
2025673.96	1379219.89	1440267.33	1621679.19	1721954.77	2134881.25	1982834.66	2042783.42	1867407.06	1205394.09	1638698.52
3332888.16	3209744.55	2040878.93	2208070.07	2475168.21	4131460.99	3698507.24	3155622.31	2612933.33	2315677.89	2584282.54
1307214.2	1830524.66	600611.598	586390.879	753213.439	1996579.74	1715672.58	1112838.89	745526.272	1110283.8	945584.024
3332888.16	3209744.55	2040878.93	2208070.07	2475168.21	4131460.99	3698507.24	3155622.31	2612933.33	2315677.89	2584282.54
1512.52	1238.19	1181.86	1134.66	1194.13	1480.71	1507.43	1583.54	1396.22	846.93	1311.62
212756.654	273286.221	226128.218	206857.295	102127.215	375535.788	348654.786	373420.45	473433.17	250385.034	195655.014
332371.732	1027986.4	319515.668	287905.031	134862.97	619417.016	574886.266	600461.199	718419.12	583337.777	354362.747
4.051779	3.161399	9.124787	7.58811	3.076819	4.046293	5.286433	6.305846	12.536573	2.986627	3.772643
3210.24013	4181.05153	4180.38567	3863.48955	1235.11549	4558.24728	4446.48717	6350.91131	9693.49936	3677.19523	2936.96199
44.31027	23.111176	37.219798	38.357046	39.392979	47.073946	46.494704	39.383354	34.977646	28.375263	38.164274
44.282093	23.096896	37.168948	38.278284	39.367616	46.683344	46.439196	39.329679	34.898921	28.364494	38.146468
55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18	55543.726	51204.404	30115.09	44019.48
164.211464	107.372815	113.46709	145.926493	136.813426	167.301475	157.263062	150.934038	145.467056	94.109656	125.05534
1041173.77	1643045.09	403942.766	337769.183	498945.582	1739693.13	1469358.02	829119.438	483386.694	968751.85	724177.731
1041173.77	1643045.09	403942.766	337769.183	498945.582	1739693.13	1469358.02	829119.438	483386.694	968751.85	724177.731
51964.8119	31896.2145	35760.0303	42832.9885	46923.2105	48978.2247	45877.6928	49192.8147	41510.9046	26437.8948	41082.518
1775686.17	1074221.81	1177995.71	1378930.71	1581536.26	1726938.85	1595083.16	1628468.14	1355944.63	945628.234	1414653.02
64.49	45.53	60.96	64.6	29.61	73.55	69.71	84.6	94.64	52.66	50.01
-1307214.2	-1830524.7	-600611.6	-586390.88	-753213.44	-1996579.7	-1715672.6	-1112838.9	-745526.27	-1110283.8	-945584.02
-1639585.9	-2858511.1	-920127.27	-874295.91	-888076.41	-2615996.8	-2290558.8	-1713300.1	-1463945.4	-1693621.6	-1299946.8
267.06	277.81	270.06	230.72	319.9	243.22	244.31	254.3	210.38	256.47	294.94
	0.017316	0.045454		0.016528					0.122727	0.03719
329527.396	236582.245	216613.066	238218.239	299082.923	335191.885	306448.873	298413.089	253081.439	154996.265	261529.656
4.44	4.53	4.07	3.88	3.82	4.68	4.7	4.53	4.29	3.56	4.95
37889.418	32022.6124	36745.3476	36252.8294	38710.4189	33265.8251	39614.5011	41504.123	38555.7442	10130.0498	29073.6429
2291714.39	1566699.47	1636936.16	1870300.89	1976222.63	2391767.86	2229149.22	2326502.87	2129546.64	1346926.04	1860104.81
2291714.39	1566699.47	1636936.16	1870300.89	1976222.63	2391767.86	2229149.22	2326502.87	2129546.64	1346926.04	1860104.81
1887046.71	1287215.31	1335033.59	1514017.72	1608048.67	2002802.14	1852280.12	1907649.86	1741421.58	1129080.29	1528444.82
55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18	55543.726	51204.404	30115.09	44019.48

37889.418	32022.6124	36745.3476	36252.8294	38710.4189	33265.8251	39614.5011	41504.123	38555.7442	10130.0498	29073.6429
2291714.39	1566699.47	1636936.16	1870300.89	1976222.63	2391767.86	2229149.22	2326502.87	2129546.64	1346926.04	1860104.81
100737.832	59981.9761	68488.3929	71408.638	75195.6853	98813.2821	90940.0321	93629.4305	87429.7377	66183.7529	81180.0531
3.93	12.02	17.62	24.5	1.7	3.15	5.93	28.82	46.62	3.89	6.36

4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454	522851.692	354926.361	432742.601	767692.984
2757.57089	1199.97421	3000.95818	1910.08625	3322.21956	2273.40465	2238.73842	1979.76761	1500.63841	1872.75464	2866.37686
-98113.627	-81298.475	-84125.618	-82500.98	-108095.21	-97644.256	-93659.704	-96603.435	-82827.967	-73826.022	-93279.72
98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	96603.4351	82827.9666	73826.0219	93279.7201
813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454	522851.692	354926.361	432742.601	767692.984
266.68	277.92	272.66	229.35	320.06	242.29	243.46	252.96	210.15	263.08	295.06
221.095927	199.275866	190.121097	174.494372	230.08524	196.994852	198.898993	177.750685	150.109422	170.612997	212.879087
106.334584	105.788937	100.971416	81.697036	120.181979	100.869592	100.831929	81.729412	73.024447	96.044308	104.729689
32009.4234	32877.6814	28839.4812	21399.5118	40506.3206	28955.876	28672.2176	23805.1634	17515.3475	28131.1383	33773.5381
-98113.627	-81298.475	-84125.618	-82500.98	-108095.21	-97644.256	-93659.704	-96603.435	-82827.967	-73826.022	-93279.72
-292.00484	-241.95975	-238.99323	-257.81556	-307.08867	-305.1383	-292.68657	-262.50933	-235.30672	-230.70632	-264.9992
-4443900.1	-3072128.5	-3182421.8	-3113169.9	-4161470.8	-5297999	-4760102.9	-4060080.4	-3148616.3	-2920756.9	-3714177.6
-45.371567	-38.078688	-37.839549	-37.728928	-38.523607	-54.201514	-50.699007	-41.999303	-38.01937	-39.334028	-39.742756
-4443900.1	-3072128.5	-3182421.8	-3113169.9	-4161470.8	-5297999	-4760102.9	-4060080.4	-3148616.3	-2920756.9	-3714177.6
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
5256929.29	3370312.43	3898562.96	3608558.68	5187260.73	5996645.85	5419480.39	4582932.07	3503542.63	3353499.47	4481870.56
98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	96603.4351	82827.9666	73826.0219	93279.7201
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58

4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454	522851.692	354926.361	432742.601	767692.984
2757.57089	1199.97421	3000.95818	1910.08625	3322.21956	2273.40465	2238.73842	1979.76761	1500.63841	1872.75464	2866.37686
-98113.627	-81298.475	-84125.618	-82500.98	-108095.21	-97644.256	-93659.704	-96603.435	-82827.967	-73826.022	-93279.72
98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	96603.4351	82827.9666	73826.0219	93279.7201
813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454	522851.692	354926.361	432742.601	767692.984
266.68	277.92	272.66	229.35	320.06	242.29	243.46	252.96	210.15	263.08	295.06

221.095927	199.275866	190.121097	174.494372	230.08524	196.994852	198.898993	177.750685	150.109422	170.612997	212.879087
106.334584	105.788937	100.971416	81.697036	120.181979	100.869592	100.831929	81.729412	73.024447	96.044308	104.729689
32009.4234	32877.6814	28839.4812	21399.5118	40506.3206	28955.876	28672.2176	23805.1634	17515.3475	28131.1383	33773.5381
-98113.627	-81298.475	-84125.618	-82500.98	-108095.21	-97644.256	-93659.704	-96603.435	-82827.967	-73826.022	-93279.72
-292.00484	-241.95975	-238.99323	-257.81556	-307.08867	-305.1383	-292.68657	-262.50933	-235.30672	-230.70632	-264.9992
-4443900.1	-3072128.5	-3182421.8	-3113169.9	-4161470.8	-5297999	-4760102.9	-4060080.4	-3148616.3	-2920756.9	-3714177.6
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4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
5256929.29	3370312.43	3898562.96	3608558.68	5187260.73	5996645.85	5419480.39	4582932.07	3503542.63	3353499.47	4481870.56
98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	96603.4351	82827.9666	73826.0219	93279.7201
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58

173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601	325568.007	334823.378	280327.079	249764.412
599.823371	930.268176	1123.0109	969.583668	912.999877	900.379575	972.134149	1246.33328	1427.62358	1218.51572	958.699712
4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984	7691.18845	7909.83647	6622.42095	5900.41134
188221.156	200340.148	247507.422	230288.844	262712.838	351507.489	337984.428	318758.968	297529.559	258742.772	228058.255
4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984	7691.18845	7909.83647	6622.42095	5900.41134
12.666296	16.277279	18.663285	19.133986	19.505894	20.229447	20.936436	20.899968	22.471126	20.695065	16.762532
15049.5785	-22200.217	-19804.584	-18850.961	-16667.753	77487.4848	54387.8274	-6809.0386	-37293.819	-21584.306	-21706.157
15049.5785	-22200.217	-19804.584	-18850.961	-16667.753	77487.4848	54387.8274	-6809.0386	-37293.819	-21584.306	-21706.157
4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984	7691.18845	7909.83647	6622.42095	5900.41134
173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601	325568.007	334823.378	280327.079	249764.412
-15049.579	22200.2165	19804.5838	18850.9609	16667.7528	-77487.485	-54387.827	6809.03855	37293.8187	21584.3063	21706.1568
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98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	96603.4351	82827.9666	73826.0219	93279.7201
173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601	325568.007	334823.378	280327.079	249764.412

173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601	325568.007	334823.378	280327.079	249764.412
4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984	7691.18845	7909.83647	6622.42095	5900.41134
173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601	325568.007	334823.378	280327.079	249764.412
173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601	325568.007	334823.378	280327.079	249764.412
4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984	7691.18845	7909.83647	6622.42095	5900.41134
188221.156	200340.148	247507.422	230288.844	262712.838	351507.489	337984.428	318758.968	297529.559	258742.772	228058.255
15049.5785	-22200.217	-19804.584	-18850.961	-16667.753	77487.4848	54387.8274	-6809.0386	-37293.819	-21584.306	-21706.157
173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601	325568.007	334823.378	280327.079	249764.412
168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223	315307.413	324635.862	271616.13	241436.991
584.128213	904.194229	1091.50907	942.963931	887.818422	872.037345	941.722734	1207.05955	1384.14415	1180.64768	926.810675
4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594	8640.92665	8896.57062	7443.57713	6616.52483
211748.671	224664.165	277845.052	258702.112	295031.827	394942.26	379800.009	358077.715	334743.108	290822.763	255631.721
27.342726	15.575951	28.790546	34.778903	29.807831	21.407316	19.238641	8.404658	24.74822	23.662209	32.199357
1.367136	0.934557	7.773447	0.695578	2.384626	0.214073	0.192386	0.168093	0.742446	10.411372	2.575948
4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594	8640.92665	8896.57062	7443.57713	6616.52483
14.246839	18.27265	20.950278	21.492751	21.906976	22.728234	23.527612	23.480778	25.274348	23.261178	18.796945
43104.8366	8365.6846	18041.4823	16401.4281	23364.2838	129549.21	105072.786	42770.302	10107.2462	19206.6337	14194.7298
43104.8366	8365.6846	18041.4823	16401.4281	23364.2838	129549.21	105072.786	42770.302	10107.2462	19206.6337	14194.7298
4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594	8640.92665	8896.57062	7443.57713	6616.52483
168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223	315307.413	324635.862	271616.13	241436.991
-43104.837	-8365.6846	-18041.482	-16401.428	-23364.284	-129549.21	-105072.79	-42770.302	-10107.246	-19206.634	-14194.73
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0.52	0.64	3.36	0.18	0.79	0.08	0.05	0.28	0.36	6.98	0.69
98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	96603.4351	82827.9666	73826.0219	93279.7201
168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223	315307.413	324635.862	271616.13	241436.991
168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223	315307.413	324635.862	271616.13	241436.991
4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594	8640.92665	8896.57062	7443.57713	6616.52483
168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223	315307.413	324635.862	271616.13	241436.991
168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223	315307.413	324635.862	271616.13	241436.991
4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594	8640.92665	8896.57062	7443.57713	6616.52483
211748.671	224664.165	277845.052	258702.112	295031.827	394942.26	379800.009	358077.715	334743.108	290822.763	255631.721
43104.8366	8365.6846	18041.4823	16401.4281	23364.2838	129549.21	105072.786	42770.302	10107.2462	19206.6337	14194.7298
168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223	315307.413	324635.862	271616.13	241436.991

163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382	178219.814	168382.019	131635.928	166595.078
560.864188	509.312402	433.033527	448.724171	512.949464	488.194698	458.811456	683.559556	720.494595	572.528796	638.808969
3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786	3478.81738	3286.78546	2569.50864	3251.90471
140090.243	80211.9551	75949.1413	85481.364	115480.096	161488.342	134165.22	141900.7	120565.976	97836.8939	124329.378
3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786	3478.81738	3286.78546	2569.50864	3251.90471
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3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786	3478.81738	3286.78546	2569.50864	3251.90471
163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382	178219.814	168382.019	131635.928	166595.078
22996.7995	42275.1263	27171.5773	29975.9176	41334.2081	-12773.592	-113.83763	36319.1142	47816.0432	33799.0337	42265.6998
22996.7995	42275.1263	27171.5773	29975.9176	41334.2081	-12773.592	-113.83763	36319.1142	47816.0432	33799.0337	42265.6998
95390.8685	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	94862.7541	80245.8841	73826.0219	90515.1345
163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382	178219.814	168382.019	131635.928	166595.078
163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382	178219.814	168382.019	131635.928	166595.078
3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786	3478.81738	3286.78546	2569.50864	3251.90471
163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382	178219.814	168382.019	131635.928	166595.078
163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382	178219.814	168382.019	131635.928	166595.078
3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786	3478.81738	3286.78546	2569.50864	3251.90471
140090.243	80211.9551	75949.1413	85481.364	115480.096	161488.342	134165.22	141900.7	120565.976	97836.8939	124329.378
-22996.8	-42275.126	-27171.577	-29975.918	-41334.208	12773.5922	113.83763	-36319.114	-47816.043	-33799.034	-42265.7
163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382	178219.814	168382.019	131635.928	166595.078

151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575	307166.758	300204.85	212208.978	214907.931
525.174766	835.438465	1186.56445	925.680591	784.12991	816.829498	630.32694	1176.78768	1282.24847	922.943885	829.525054
1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959	3794.52449	3708.52193	2621.48212	2654.82311
81480.9385	81102.8856	134037.057	114666.696	114254.697	170431.193	116697.667	152965.384	136469.984	102579.336	99407.6282
1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959	3794.52449	3708.52193	2621.48212	2654.82311
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151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575	307166.758	300204.85	212208.978	214907.931
69600.4666	118286.718	147825.38	123366.191	124816.104	77341.5794	66624.9081	154201.374	163734.866	109629.642	115500.303
69600.4666	118286.718	147825.38	123366.191	124816.104	77341.5794	66624.9081	154201.374	163734.866	109629.642	115500.303

98113.627	81298.4752	84125.6178	82377.1284	108095.21	95976.5897	89541.7009	96603.4351	82772.8928	73664.6347	92940.2452
151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575	307166.758	300204.85	212208.978	214907.931
151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575	307166.758	300204.85	212208.978	214907.931
1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959	3794.52449	3708.52193	2621.48212	2654.82311
151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575	307166.758	300204.85	212208.978	214907.931
151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575	307166.758	300204.85	212208.978	214907.931
1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959	3794.52449	3708.52193	2621.48212	2654.82311
81480.9385	81102.8856	134037.057	114666.696	114254.697	170431.193	116697.667	152965.384	136469.984	102579.336	99407.6282
-69600.467	-118286.72	-147825.38	-123366.19	-124816.1	-77341.579	-66624.908	-154201.37	-163734.87	-109629.64	-115500.3
151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575	307166.758	300204.85	212208.978	214907.931
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
2269.99054	3179.21327	3834.11795	3286.95236	3097.89767	3077.44112	3002.99528	4313.74007	4814.5108	3894.63608	3353.84441
14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932	23605.457	23801.7145	19256.9888	18423.664
621541.008	586319.154	735338.672	689139.016	787479.458	1078369.28	968647.324	971702.768	889308.627	749981.765	707426.982
27.342726	15.575951	28.790546	34.778903	29.807831	21.407316	19.238641	8.404658	24.74822	23.662209	32.199357
1.367136	0.934557	7.773447	0.695578	2.384626	0.214073	0.192386	0.168093	0.742446	10.411372	2.575948
14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932	23605.457	23801.7145	19256.9888	18423.664
42.081522	49.180295	55.471892	57.088999	58.709315	61.594233	59.718103	64.145263	67.618507	60.17809	52.339954
-34442.851	-174396.38	-176760.06	-155791.64	-159453.78	142468.707	92949.5426	-154559.22	-238737.48	-145806.35	-165277.43
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14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932	23605.457	23801.7145	19256.9888	18423.664
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
34442.851	174396.376	176760.059	155791.641	159453.781	-142468.71	-92949.543	154559.225	238737.482	145806.348	165277.43
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0.52	0.64	3.36	0.18	0.79	0.08	0.05	0.28	0.36	6.98	0.69
389731.75	325193.901	336502.471	329880.068	432380.84	388909.357	370520.812	384673.059	328674.71	295142.7	370014.82
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932	23605.457	23801.7145	19256.9888	18423.664
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932	23605.457	23801.7145	19256.9888	18423.664
621541.008	586319.154	735338.672	689139.016	787479.458	1078369.28	968647.324	971702.768	889308.627	749981.765	707426.982
-34442.851	-174396.38	-176760.06	-155791.64	-159453.78	142468.707	92949.5426	-154559.22	-238737.48	-145806.35	-165277.43

655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
10.991821	11.440347	10.957533	10.942855	11.030819	11.043581	11.059875	10.9861	11.015643	11.480392	11.206671
0.464603	0.311241	0.378849	0.413886	0.395185	0.472525	0.445706	0.428097	0.412876	0.332832	0.378561
0.44732	0.292489	0.30909	0.397511	0.372687	0.455738	0.428392	0.411152	0.39626	0.256359	0.340657
4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94	4060080.38	3148616.27	2920756.87	3714177.58
3244699.23	2133121.24	2806235.57	2719250.14	3554259.43	3361486.23	3130158.39	3277581.83	2838917.1	2274158.95	3055050.41
11059.5063	8840.27337	11743.5091	10538.438	11565.5431	11004.8111	10680.7111	12471.9183	12068.5315	9854.30274	11492.7909
-28799.183	-28696.63	-24659.096	-17536.022	-39271.205	-24397.629	-24225.73	-17454.252	-7821.8481	-24453.943	-30836.576
3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05	3520730.8	3367655.55	3061505.05	3367655.55
0.034009	0.033233	0.034927	0.034318	0.033982	0.034653	0.035059	0.034995	0.035121	0.035687	0.035777
599717.761	403991.897	431813.673	503618.137	520905.78	582775.669	548004.6	602634.003	556643.909	340358.565	486618.768
1054889.78	688441.199	744389.015	735998.271	801010.69	1187109.26	1071337.74	1010888.77	913314.771	675601.247	838482.627
3.023743	2.96683	2.960325	2.930498	2.976012	3.193011	3.161821	3.040392	3.01657	3.080959	3.005711
832156.93	598774.108	590644.574	778019.45	807037.977	815692.878	780942.387	896761.098	828106.808	453479.044	689962.196
50893.3573	9360.61055	25984.182	6381.93718	19639.6293	36032.544	27050.8408	11581.7939	5464.12384	25285.8956	29207.4854
118763.38	115960.276	105359.037	112844.567	121843.687	113319.848	112732.273	129836.812	123926.304	90597.215	116298.058
353.46244	345.119869	299.315446	352.639271	346.146838	354.124525	352.288353	352.817423	352.063363	283.116296	330.39221
123345.6	123345.6	129219.2	117472	129219.2	117472	117472	135092.8	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18	55543.726	51204.404	30115.09	44019.48
251.684184	197.688325	187.167336	171.904876	168.828279	250.881472	299.568358	236.010987	196.726524	171.026266	225.048273
34.851941	35.366152	33.926672	33.463104	34.218253	36.860183	36.51953	34.9104	34.740424	37.183659	35.310471
2025673.96	1379219.89	1440267.33	1621679.19	1721954.77	2134881.25	1982834.66	2042783.42	1867407.06	1205394.09	1638698.52
3332888.16	3209744.55	2040878.93	2208070.07	2475168.21	4131460.99	3698507.24	3155622.31	2612933.33	2315677.89	2584282.54
98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037	96603.4351	82827.9666	73826.0219	93279.7201
1307214.2	1830524.66	600611.598	586390.879	753213.439	1996579.74	1715672.58	1112838.89	745526.272	1110283.8	945584.024
3954429.17	3796063.71	2776217.6	2897209.08	3262647.67	5209830.27	4667154.56	4127325.08	3502241.96	3065659.66	3291709.53
1512.52	1238.19	1181.86	1134.66	1194.13	1480.71	1507.43	1583.54	1396.22	846.93	1311.62
212756.654	273286.221	226128.218	206857.295	102127.215	375535.788	348654.786	373420.45	473433.17	250385.034	195655.014
33.78642	29.127104	29.290144	29.255941	29.831989	40.408184	37.947009	31.997113	29.438167	30.281385	30.074846
813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454	522851.692	354926.361	432742.601	767692.984
266.68	277.92	272.66	229.35	320.06	242.29	243.46	252.96	210.15	263.08	295.06

221.095927	199.275866	190.121097	174.494372	230.08524	196.994852	198.898993	177.750685	150.109422	170.612997	212.879087
6.645911	6.611808	8.414284	6.808086	10.015164	6.304349	6.301995	5.108088	6.08537	6.402953	6.545605
32,009	32,878	28,839	21,400	40,506	28,956	28,672	23,805	17,515	28,131	33,774
332371.732	1027986.4	319515.668	287905.031	134862.97	619417.016	574886.266	600461.199	718419.12	583337.777	354362.747
2.785598	2.173462	5.322792	4.426398	1.794811	2.781826	3.634422	4.335269	7.313	1.991084	2.593692
3,210	4,181	4,180	3,863	1,235	4,558	4,446	6,351	9,693	3,677	2,937
44.234924	23.059669	37.059972	38.377142	39.296444	47.064269	46.507071	39.384208	34.925827	28.269979	38.047313
44.206834	23.045513	37.015296	38.298444	39.271083	46.673682	46.451563	39.330534	34.847123	28.261277	38.029559
-28799.183	-28696.63	-24659.096	-17536.022	-39271.205	-24397.629	-24225.73	-17454.252	-7821.8481	-24453.943	-30836.576
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-6588718.5	-4755029.1	-6256862.2	-5932667.9	-7123602.1	-6477342.3	-6259300.4	-6906251	-6271622.6	-5159316.4	-6522932.8
-67.162795	-58.415972	-74.377611	-71.909117	-65.917534	-66.339291	-66.857769	-71.497862	-75.723539	-69.918579	-69.925044
-6588718.5	-4755029.1	-6256862.2	-5932667.9	-7123602.1	-6477342.3	-6259300.4	-6906251	-6271622.6	-5159316.4	-6522932.8
66104.2036	48420.7938	55286.1366	61101.4681	67588.8895	68688.3796	64987.4861	72798.2717	65312.6191	45694.8836	59506.182
2431670.03	1834937.34	2090094.44	2223861.37	2528469.5	2662839.43	2470780.94	2754730.14	2483990.73	1841416.35	2287357.43
6322678.05	4567549.56	6060193.38	5684046.21	6869334.22	6220455.65	6012985.86	6622531.52	6009483.03	5017784.47	6301526.53
6803335.51	3837747.06	6456818.84	5891529.95	7760261.19	6299685.43	6097477.05	6544922.01	5645990.27	4867189.29	6714856.77
	0.017316	0.045454		0.016528					0.122727	0.03719
817372.773	643074.621	637241.155	650599.287	839558.973	821745.497	770629.389	779689.583	664584.116	523964.987	724824.196
4.44	4.53	4.07	3.88	3.82	4.68	4.7	4.53	4.29	3.56	4.95
37889.418	32022.6124	36745.3476	36252.8294	38710.4189	33265.8251	39614.5011	41504.123	38555.7442	10130.0498	29073.6429
10543147.6	8551092.84	9033079.81	8829876.99	10386249.7	11687172.5	10926455	11033576	9773864.57	8224976.07	9814642.35
7391598.33	5399543.52	5731456.72	5828401.45	7084626.66	8625667.48	7864949.94	7512845.24	6406209.02	5163471.02	6446986.8
1887046.71	1287215.31	1335033.59	1514017.72	1608048.67	2002802.14	1852280.12	1907649.86	1741421.58	1129080.29	1528444.82
69314.4437	52601.8453	59466.5223	64964.9577	68824.0049	73246.6269	69433.9732	79149.183	75006.1185	49372.0788	62443.144
37889.418	32022.6124	36745.3476	36252.8294	38710.4189	33265.8251	39614.5011	41504.123	38555.7442	10130.0498	29073.6429
7391598.33	5399543.52	5731456.72	5828401.45	7084626.66	8625667.48	7864949.94	7512845.24	6406209.02	5163471.02	6446986.8
100737.832	59981.9761	68488.3929	71408.638	75195.6853	98813.2821	90940.0321	93629.4305	87429.7377	66183.7529	81180.0531
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412
14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932	23605.457	23801.7145	19256.9888	18423.664
621541.008	586319.154	735338.672	689139.016	787479.458	1078369.28	968647.324	971702.768	889308.627	749981.765	707426.982
-34442.851	-174396.38	-176760.06	-155791.64	-159453.78	142468.707	92949.5426	-154559.22	-238737.48	-145806.35	-165277.43
655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781	1126261.99	1128046.11	895788.113	872704.412

2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05
3367655.55	3367655.55	3214580.3	3214580.3	3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75
-3367655.5	-3367655.5	-3214580.3	-3214580.3	-3214580.3	-3520730.8	-3269889.7	-3269889.7	-3581307.8	-3114180.7	-3425598.8
-3367655.5	-3367655.5	-3214580.3	-3214580.3	-3214580.3	-3520730.8	-3269889.7	-3269889.7	-3581307.8	-3114180.7	-3425598.8
3367655.55	3367655.55	3214580.3	3214580.3	3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75
3367655.55	3367655.55	3214580.3	3214580.3	3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75
3367655.55	3367655.55	3214580.3	3214580.3	3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75

49.019224	44.563124	37.571654	37.802144	37.648484	38.416774	54.732223	51.005473	42.076803	38.272413	39.592303
23.77321	23.773366	23.773308	23.773249	23.773288	23.77323	24.248735	24.248657	24.248754	24.248715	24.248754
48.893524	44.437424	37.445954	37.676444	37.522784	38.291074	54.607848	50.881098	41.952428	38.148038	39.467928
48.990216	44.534116	37.542646	37.773136	37.619476	38.387766	54.703521	50.976771	42.048101	38.243711	39.563601
48.265027	43.808927	36.817457	37.047947	36.894287	37.662577	53.985974	50.259224	41.330554	37.526164	38.846054
48.545433	44.089333	37.097863	37.328353	37.174693	37.942983	54.263425	50.536675	41.608005	37.803615	39.123505
48.970878	44.514778	37.523308	37.753798	37.600138	38.368428	54.684387	50.957637	42.028967	38.224577	39.544467
49.009554	44.553454	37.561985	37.792474	37.638815	38.407104	54.722656	50.995906	42.067236	38.262846	39.582736

21.904879	21.904879	21.904879	21.904879	21.904879	21.904879	22.342976	22.342976	22.342976	22.342976	22.342976
1.22	1.22	1.22	1.22	1.22	1.22	1.25	1.25	1.25	1.25	1.25
48.70981	44.25371	37.26224	37.49273	37.33907	38.10736	54.42607	50.69932	41.77065	37.96626	39.28615
4.748539	4.741064	4.755855	4.878172	5.687025	6.452783	6.427242	6.44242	5.698084	5.128613	4.800876
36.837524	33.866181	29.206429	29.370277	29.335245	29.911246	40.866255	38.383013	32.368546	29.784827	30.637446
36.837524	33.866181	29.206429	29.370277	29.335245	29.911246	40.866255	38.383013	32.368546	29.784827	30.637446
0.55576	0.13894	0.555759	0.13894	0.27788			0.13894	0.13894		0.41682
0.001515	0.000328	0.012751	0.003624	0.000873			0.000132	0.001595		0.006797
0.001515	0.000328	0.011878	0.003624	0.000873			0.000132	0.001352		0.006717
591.346394	129.643393	2584.55428		122.823164				28.667361		1793.60227
1.65138	0.371791	8.686123		0.44125				0.096614		7.412679
12	2.6	89.8	27.4	6.6			1	11.2		53.2
0.028693	0.029602	0.024702	0.029761	0.024821	0.021711	0.028928	0.033482	0.033614	0.036218	0.032471
166.728	36.1244	1247.6812	380.6956	91.7004			13.894	155.6128		739.160799
3652.15671	791.300621	27330.3061	8339.09116	2008.68619			310.43332	3476.85319		16515.0527
0.929519	0.232379	0.929519	0.232379	0.464759			0.237026	0.237026		0.71108
222.265096	48.157437	1663.28381	507.505304	122.245803			18.891671	211.586724		1005.03694
7692.75	7685.55	7373.25	7335	7372.35	8100.225	7341.3	7306.875	8001.675	6939.225	7662.825
21.854403	21.833948	21.944196	21.830357	21.941517	22.01148	21.849107	21.746651	21.743682	21.685078	21.769389
7920	7920	7560	7560	7560	8280	7560	7560	8280	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
12	2.6	89.8	27.4	6.6			1	11.2		53.2
13.283537	3.241084	13.037585	3.241084	6.537339			3.407241	3.324037		10.035185
13.283537	3.241084	13.037585	3.241084	6.537339			3.407241	3.324037		10.035185
3909.16301	842.682058	29154.5949	8880.57246	2149.0466			340.724192	3722.92232		17628.1704
4429.78575	927.225383	47874.3605	11524.6762	2305.35589			373.954687	4257.97888		24402.7693
520.622738	84.543324	18719.7656	2644.10374	156.309291			33.230495	535.056563		6774.59887

4429.78575	927.225383	47874.3605	11524.6762	2305.35589			373.954687	4257.97888		24402.7693
7.36	2.19	10.47	3.36	2.49			0.13	2.84		6.16
3317.81661	713.038665	26570.0406	8880.57246	2026.22343			340.724192	3694.25495		15834.5681
3797.99965	780.105042	43283.0187	11524.6762	2176.72313			373.954687	4228.79241		21900.4474
0.778894	0.2	0.791766	0.2	0.38421			0.2	0.198451		0.589658
10.175467	2.2	81.82565	27.4	6.221043			1	11.113285		47.783265
333.972298		324.52642		324.108484				330.594992		339.408957
10.019168		6.490528		3.241084				3.305949		6.724163
12	2.6	89.8	27.4	6.6			1	11.2		53.2
0.03409	0.007386	0.267261	0.081547	0.019642			0.002976	0.030434		0.151136
520.622738	84.543324	18719.7656	2644.10374	156.309291			33.230495	535.056563		6774.59887
520.622738	84.543324	18719.7656	2644.10374	156.309291			33.230495	535.056563		6774.59887
1.824532	0.4	7.974349		0.378956				0.086714		5.416734
591.346394	129.643393	2584.55428		122.823164				28.667361		1793.60227
0.2	0.06	0.48	0.13	0.17			0.02	0.22		0.35
-520.62274	-84.543324	-18719.766	-2644.1037	-156.30929			-33.230495	-535.05656		-6774.5989
-4318.6224	-864.64837	-62002.784	-14168.78	-2333.0324			-407.18518	-4763.849		-28675.046
0.06		0.01								0.04
206.7101	42.9841	1166.2512	332.3936	87.6986			15.5329	155.7144		638.9126
0.02		0.05		0.01			0.01	0.02		0.04
19.8612		49.653		9.9306			10.1292	20.2584		40.5168
3909.16301	842.682058	29154.5949	8880.57246	2149.0466			340.724192	3722.92232		17628.1704
3909.16301	842.682058	29154.5949	8880.57246	2149.0466			340.724192	3722.92232		17628.1704
3874.42181	839.458058	28993.5899	8846.59646	2130.932			329.324992	3688.43992		17520.0896
12	2.6	89.8	27.4	6.6			1	11.2		53.2
19.8612		49.653		9.9306			10.1292	20.2584		40.5168
3909.16301	842.682058	29154.5949	8880.57246	2149.0466			340.724192	3722.92232		17628.1704
14.88	3.224	111.352	33.976	8.184			1.27	14.224		67.563999
7.15844	5.55721	2.8257	3.95598	3.57922	2.44894	5.086259	6.12235	4.80369	5.74559	3.01408
0.28432	0.249358	0.17308	0.145458	0.109447	0.114755	0.289001	0.250584	0.186623	0.189932	0.19613
0.275369	0.242244	0.168065	0.141547	0.10619	0.111059	0.279166	0.241934	0.181711	0.184656	0.190767
286054.052	222159.775	64140.9535	32259.6423	45902.3948	134242.577	265607.367	215264.484	78156.2704	35212.8444	111943.35
863.865075	716.096065	241.763676	130.1856	169.602995	424.419999	850.089131	711.109818	281.714194	143.657434	473.257553
5621.94	4945.66	3275.26	2758.48	2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7

0.029204	0.026846	0.030654	0.026845	0.029107	0.020733	0.025446	0.028184	0.028369	0.032093	0.029517
52953.0529	46583.1715	30849.6739	25982.1231	19492.0554	22327.3627	51243.1276	44408.8896	36531.2147	32280.9852	36684.1793
260180.512	229176.723	147552.493	136106.918	124384.088	149212.71	332702.776	285750.367	207635.378	171492.937	175296.679
3.650462	2.845453	1.438418	2.057926	2.198995	1.768433	3.163559	3.744985	2.824291	3.181629	1.531283
48952.252	38065.0594	11294.7328	5157.92823	6209.1327	17562.9451	35662.9326	29006.8554	11847.5303	5633.11177	19562.6845
19819.76	19867.9	18890.6	18964.84	18920.76	20901.46	18992.1	18938.74	20738.48	17964.34	19813.38
56.306136	56.442897	56.222023	56.442976	56.311785	56.797445	56.524107	56.365297	56.354565	56.138562	56.288011
20416	20416	19488	19488	19488	21344	19488	19488	21344	18560	20416
58	58	58	58	58	58	58	58	58	58	58
5621.94	4945.66	3275.26	2758.48	2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7
41.198346	32.028361	16.192869	23.136703	24.345031	19.004061	34.648778	41.074614	31.26727	35.568556	17.29039
41.198346	32.028361	16.192869	23.136703	24.345031	19.004061	34.648778	41.074614	31.26727	35.568556	17.29039
309520.378	272450.405	176216.112	160315.624	142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815
546762.983	476300.246	488633.646	283468.096	234081.727	243821.833	644398.414	529813.191	404596.337	292152.44	500658.906
237242.605	203849.842	312417.534	123152.472	91520.09	73780.754	263105.586	201967.127	162273.519	89960.4546	290591.091
546762.983	476300.246	488633.646	283468.096	234081.727	243821.833	644398.414	529813.191	404596.337	292152.44	500658.906
224.15	175.71	105.18	100.3	82.5	97.31	220.38	226.11	198.23	167.28	127.32
23466.326	50290.6293	112075.159	128055.982	96659.2421	35798.5017	115685.46	112581.58	164166.548	166979.141	98124.4652
36851.4444	80964.8729	301144.578	225408.741	158788.628	50317.7806	187195.789	171928.082	272109.522	241237.057	225964.932
12.122727	11.575384	13.158139	21.073418	16.976356	6.0902	15.092875	18.78535	23.315698	31.890318	11.80725
424.758553	904.354193	2076.11648	2210.8711	1410.22642	505.830517	1654.12411	1635.20906	2620.62687	2829.16163	1817.76141
58.007001	57.014431	54.999668	56.541028	64.89038	76.6594	66.482567	65.882587	63.803492	59.768124	54.84429
44.070426	33.621991	16.486205	20.878613	23.305943	19.927196	35.891079	42.819262	31.179364	30.455246	17.534761
5621.94	4945.66	3275.26	2758.48	2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7
15.97142	14.05017	9.747797	8.209761	6.159047	6.441467	16.191666	14.032202	10.539293	10.710062	11.064488
237242.605	203849.842	312417.534	123152.472	91520.09	73780.754	263105.586	201967.127	162273.519	89960.4546	290591.091
237242.605	203849.842	312417.534	123152.472	91520.09	73780.754	263105.586	201967.127	162273.519	89960.4546	290591.091
5197.18145	4041.30581	1199.14352	547.6089	659.213579	1864.62948	3786.27589	3079.61094	1257.83313	598.058368	2076.93859
286054.052	222159.775	64140.9535	32259.6423	45902.3948	134242.577	265607.367	215264.484	78156.2704	35212.8444	111943.35
8.3	11.7	9.61	16.75	13.87	10.04	17.92	21	20.54	24.32	11.86
-237242.6	-203849.84	-312417.53	-123152.47	-91520.09	-73780.754	-263105.59	-201967.13	-162273.52	-89960.455	-290591.09
-274094.05	-284814.71	-613562.11	-348561.21	-250308.72	-124098.53	-450301.38	-373895.21	-434383.04	-331197.51	-516556.02
24.39	15.5	2.26	1.47	2.31	10.39	10.06	8.94	3.54	2.38	4.33
32010.3241	26180.2638	14269.889	11645.265	9481.7666	12829.3109	29093.2735	24310.432	17978.5432	14316.1259	15779.1952
0.94	0.54	0.37	0.46	0.38	0.45	0.6	0.49	0.53	0.57	0.4

428.9878	246.4398	168.8569	209.9302	173.4206	205.3665	279.3	228.095	246.715	265.335	186.2
309520.378	272450.405	176216.112	160315.624	142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815
309520.378	272450.405	176216.112	160315.624	142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815
260180.512	229176.723	147552.493	136106.918	124384.088	149212.71	332702.776	285750.367	207635.378	171492.937	175296.679
5621.94	4945.66	3275.26	2758.48	2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7
428.9878	246.4398	168.8569	209.9302	173.4206	205.3665	279.3	228.095	246.715	265.335	186.2
309520.378	272450.405	176216.112	160315.624	142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815
48910.878	43027.242	28494.762	23998.776	18004.128	20623.002	48310.752	41867.6016	34440.7248	30433.7136	34584.936
			0.12			0.07	0.18	0.35		
10.867684	10.973363	11.275709	11.057976	11.057876	11.044516	10.955341	10.939592	11.039683	11.01215	11.201302
0.72323	0.68304	0.545873	0.627432	0.633232	0.653413	0.715779	0.717302	0.651982	0.662151	0.582382
0.697887	0.657777	0.524117	0.608376	0.609182	0.633417	0.69476	0.690316	0.624855	0.633265	0.562588
940874.196	887483.542	652163.689	712084.027	748790.938	900222.788	908380.41	894137.846	839098.78	638272.022	771983.943
2991.16399	2999.83684	2649.04116	2927.10187	2850.23077	2888.23587	2940.36728	3022.25452	3161.89034	2656.02162	3310.13719
27267.874	25700.678	19547.476	22690.014	22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472
0.036306	0.035994	0.039166	0.030833	0.037797	0.030679	0.031488	0.038065	0.039836	0.041812	0.034431
294235.035	278808.258	216798.211	248204.697	248198.709	281826.257	279896.045	278106.615	278072.81	244620.541	242155.205
359212.864	340058.485	263872.137	302405.639	302874.855	344366.694	350781.818	348834.691	346770.435	306659.859	302920.993
3.0451	3.0451	3.0451	3.0451	3.0451	3.0451	3.099399	3.099399	3.099399	3.0994	3.099399
537008.362	508852.952	395678.415	452998.392	452987.464	514361.101	517639.746	514330.374	514267.855	452401.228	447841.836
37653.42	37665.63	35835.24	36146.04	35886.3	39594.81	36121.62	35876.31	39220.74	34034.82	37726.68
106.969943	107.00463	106.6525	107.5775	106.804464	107.594592	107.504821	106.774732	106.578097	106.358812	107.178068
39072	39072	37296	37296	37296	40848	37296	37296	40848	35520	39072
111	111	111	111	111	111	111	111	111	111	111
27267.874	25700.678	19547.476	22690.014	22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472
35.06741	35.43369	36.417881	35.614449	35.67151	35.631902	35.996993	35.959855	36.330654	36.200594	36.837693
34.760919	35.084014	36.00968	35.345106	35.342887	35.300092	35.661327	35.610017	35.929668	35.837285	36.42605
949060.916	900013.709	698969.297	798487.174	800227.382	909063.478	919371.482	914280.246	913120.075	804883.816	795799.567
1584794.43	1398506.63	1128931.14	1079334.9	1074868.48	1232055.69	1780860.22	1632312.82	1361765.88	1061484.4	1234918.45
635733.519	498492.921	429961.848	280847.725	274641.099	322992.211	861488.742	718032.579	448645.807	256600.588	439118.881
1584794.43	1398506.63	1128931.14	1079334.9	1074868.48	1232055.69	1780860.22	1632312.82	1361765.88	1061484.4	1234918.45
339.22	339.33	322.84	325.64	323.3	356.71	325.42	323.21	353.34	306.62	339.88
884.379756	4348.02686	40031.1476	81212.3268	45013.9043	1714.3102	4350.312	13052.9402	65585.735	159253.114	16367.2037
1463.39491	6599.74726	113175.97	154167.679	79606.2911	3017.11067	9845.42979	26047.9063	129704.269	272745.672	42858.1671

4.508071	9.304075	10.892601	21.811675	16.70957	4.038876	5.19115	9.873992	16.883706	29.027852	9.155604
25.984958	127.497453	1188.59603	2404.77233	1331.70353	50.696067	125.982216	375.822661	1908.68963	4604.76582	475.863523
31.866611	30.004774	17.370783	26.158089	27.966653	32.765353	33.854323	34.194116	27.590672	26.337436	21.357356
31.865073	29.998782	17.361665	26.129605	27.949064	32.764601	33.852043	34.189895	27.57317	26.285586	21.352433
27267.874	25700.678	19547.476	22690.014	22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472
77.465551	73.013289	58.177011	67.529803	67.619267	70.309331	77.118416	76.625107	69.358989	70.292487	62.447363
481936.866	352759.844	316641.423	151111.13	144907.634	175681.627	715187.079	572666.251	303297.15	128737.431	312544.355
481936.866	352759.844	316641.423	151111.13	144907.634	175681.627	715187.079	572666.251	303297.15	128737.431	312544.355
27241.889	25573.1805	18358.88	20285.2417	21388.3705	25823.1379	25785.8058	25370.2133	23615.4184	17888.8302	21505.6085
940874.196	887483.542	652163.689	712084.027	748790.938	900222.788	908380.41	894137.846	839098.78	638272.022	771983.943
0.67	2.15	7.68	23.86	19.81	2.37	4.63	9.95	23.42	35.33	4.06
-635733.52	-498492.92	-429961.85	-280847.72	-274641.1	-322992.21	-861488.74	-718032.58	-448645.81	-256600.59	-439118.88
-637196.91	-505092.67	-543137.82	-435015.4	-354247.39	-326009.32	-871334.17	-744080.48	-578350.08	-529346.26	-481977.05
233.97	242.68	243.99	216.41	237.25	302.86	216.83	220.92	234.33	169.99	256.98
103043.548	97669.7446	77358.9436	77358.8961	82396.8817	108313.143	97853.9854	93064.4366	90770.1868	71079.5669	77089.0436
0.83	0.93	0.77	0.59	0.73	0.81	0.74	0.79	0.94	0.82	0.83
7302.34	8182.14	6774.46	5190.82	6422.54	7126.38	6640.76	7089.46	8435.56	7358.68	7448.42
1102857.57	1045746.79	812289.721	928223.769	929960.847	1056374.06	1065673.14	1059646.57	1058468.73	932746.972	922374.092
1102857.57	1045746.79	812289.721	928223.769	929960.847	1056374.06	1065673.14	1059646.57	1058468.73	932746.972	922374.092
896221.226	848911.437	659550.552	755404.031	755862.319	858727.796	868421.564	863165.065	861038.29	759061.087	750762.83
27267.874	25700.678	19547.476	22690.014	22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472
7302.34	8182.14	6774.46	5190.82	6422.54	7126.38	6640.76	7089.46	8435.56	7358.68	7448.42
1102857.57	1045746.79	812289.721	928223.769	929960.847	1056374.06	1065673.14	1059646.57	1058468.73	932746.972	922374.092
45537.3496	42920.1323	32644.2849	37892.3234	37942.5236	43209.3028	44309.1575	44025.7216	43646.2247	38464.0492	37588.3171
0.9	4.22	9.02	31.52	22.68	1.54	3.19	5.96	22.25	36.54	6.16
0.6	0.15	0.6	0.15	0.3			0.15	0.15		0.45
0.000976	0.000227	0.012897	0.00369	0.000511			0.000119	0.001114		0.006448
0.00088	0.000227	0.012172	0.00369	0.000476			0.000119	0.001114		0.006448
10.45709	20.914181	320.51008					5.062551			164.522523
0.028383	0.059977	1.074448					0.016086			0.679857
0.93	0.24	12.27	3.72	0.48			0.12	1.23		6.81
0.030369	0.0325	0.033601	0.025297	0.026845	0.038722	0.026607	0.025684	0.024293	0.03575	0.032017
13.95	3.6	184.05	55.8	7.2			1.8	18.45		102.15

305.573065	78.857565	4031.59303	1222.29226	157.71513			40.217358	412.227923		2282.33509
0.929519	0.232379	0.929519	0.232379	0.464759			0.237026	0.237026		0.71108
18.596745	4.79916	245.357055	74.386979	9.59832			2.44746	25.086465		138.893355
1023.93	1021.68	974.13	982.5	980.94	1061.25	981.18	982.11	1077.18	925.68	1022.19
2.908892	2.9025	2.899196	2.924107	2.919464	2.883831	2.920178	2.922946	2.927119	2.89275	2.903948
1056	1056	1008	1008	1008	1104	1008	1008	1104	960	1056
3	3	3	3	3	3	3	3	3	3	3
0.93	0.24	12.27	3.72	0.48			0.12	1.23		6.81
13.942787	3.485696	13.942787	3.485696	6.971393			3.555401	3.555401		10.666204
13.942787	3.485696	13.942787	3.485696	6.971393			3.555401	3.555401		10.666204
324.16981	83.656725	4276.95009	1296.67924	167.31345			42.664818	437.314388		2421.22844
363.311691	89.541707	6805.19935	1594.75753	174.452925			45.903205	494.462734		3256.17302
39.14188	5.884982	2528.24927	298.078282	7.139474			3.238386	57.148345		834.944577
363.311691	89.541707	6805.19935	1594.75753	174.452925			45.903205	494.462734		3256.17302
0.31	0.08	4.09	1.24	0.16			0.04	0.41		2.27
313.71272	62.742544	3956.44001	1296.67924	167.31345			37.602267	437.314388		2256.70592
352.574434	67.492221	6269.77776	1594.75753	174.452925			40.367318	494.462734		3037.74152
0.12	0.03	0.117818	0.03	0.06			0.02644	0.03		0.089932
0.9	0.18	11.350499	3.72	0.48			0.10576	1.23		6.34726
		348.569689					355.540153			355.540153
		6.971393					3.555401			3.555401
0.93	0.24	12.27	3.72	0.48			0.12	1.23		6.81
0.002642	0.000681	0.036517	0.011071	0.001428			0.000357	0.003342		0.019346
39.14188	5.884982	2528.24927	298.078282	7.139474			3.238386	57.148345		834.944577
39.14188	5.884982	2528.24927	298.078282	7.139474			3.238386	57.148345		834.944577
0.03	0.06	0.9195					0.014239			0.462739
10.45709	20.914181	320.51008					5.062551			164.522523
-39.14188	-5.884982	-2528.2493	-298.07828	-7.139474			-3.238386	-57.148345		-834.94458
-391.71632	-73.377203	-8798.027	-1892.8358	-181.5924			-43.605705	-551.61108		-3872.6861
107.095	26.8375	1063.1977	301.1274	42.4091			12.4358	114.6472		546.9072
0.15	0.06	0.53	0.17	0.09			0.02	0.26		0.28
324.16981	83.656725	4276.95009	1296.67924	167.31345			42.664818	437.314388		2421.22844
324.16981	83.656725	4276.95009	1296.67924	167.31345			42.664818	437.314388		2421.22844

324.16981	83.656725	4276.95009	1296.67924	167.31345			42.664818	437.314388		2421.22844
0.93	0.24	12.27	3.72	0.48			0.12	1.23		6.81
324.16981	83.656725	4276.95009	1296.67924	167.31345			42.664818	437.314388		2421.22844
11.322021	11.482739	12.107699	11.547102	11.588261	11.563351	11.539791	11.544529	11.616558	11.60541	
0.803679	0.762929	0.570481	0.711606	0.722302	0.740426	0.758263	0.752298	0.715329	0.717088	
0.769046	0.729399	0.465453	0.680501	0.685355	0.615264	0.72371	0.71125	0.684403	0.685873	
315647.89	301444.321	190401.729	270390.612	271799.075	266874.802	290789.792	285990.72	302328.58	263899.431	
1008.71265	1022.76631	788.313732	1114.27452	1038.58522	851.752611	941.901836	967.997078	1144.47973	1102.72369	
11640.29	11040.19	6724.87	9831.88	9902.02	9735.94	10456.17	10276.14	10830	9437.62	
0.044715	0.044943	0.050654	0.044821	0.052708	0.046766	0.044196	0.053125	0.045679	0.045531	0.045823
130888.493	124950.873	79257.1146	112249.356	112806.833	110595.483	118494.255	116490.199	123521.864	107499.939	
159689.43	152639.288	96316.7827	136805.718	137527.514	135204.812	148330.238	145944.078	153902.086	134711.49	
2.3146	2.3146	2.314599	2.3146	2.3146	2.3146	2.3543	2.3543	2.3543	2.3543	
143270.544	136771.225	86754.8376	122868.145	123478.36	121057.815	130853.206	128640.127	136405.194	118712.183	
14459.18	14455.74	11799.2	13800.42	13686.47	13127.04	13809.45	13680.45	15101.17	13133.49	
41.077215	41.067443	35.116666	41.072678	40.733541	35.671304	41.099553	40.715625	41.035788	41.042156	
15136	15136	14448	14448	14448	15824	14448	14448	15824	13760	15136
43	43	43	43	43	43	43	43	43	43	43
11640.29	11040.19	6724.87	9831.88	9902.02	9735.94	10456.17	10276.14	10830	9437.62	
27.749306	28.143848	29.79639	28.322312	28.510946	28.377646	28.693007	28.88237	28.994287	29.094704	
27.292781	27.66631	29.121797	27.820792	27.915531	27.848317	28.269295	28.279631	28.466797	28.430011	
320347.845	305926.685	194274.84	274829.458	276629.584	271052.54	294873.525	291006.609	307166.916	269048.485	
635659.35	569183.38	375182.4	432318.82	433430.51	435944.672	676180.968	621072.72	549135.11	423547.652	
315311.504	263256.695	180907.56	157489.362	156800.926	164892.132	381307.442	330066.11	241968.194	154499.167	
635659.35	569183.38	375182.4	432318.82	433430.51	435944.672	676180.968	621072.72	549135.11	423547.652	
336.26	335.93	274.4	320.94	317.96	305.28	321.15	318.15	351.19	305.43	
33.079471	29.111709	16.205737	26.013436	29.62978	35.387468	32.85723	32.131339	32.363126	30.846667	
4.96192	5.531224	3.07909	4.162149	6.518551	6.369744	6.900018	3.213133	7.443519	6.169333	
11640.29	11040.19	6724.87	9831.88	9902.02	9735.94	10456.17	10276.14	10830	9437.62	
33.069005	31.364176	20.014494	29.261547	29.470297	26.456358	31.119553	30.58375	29.429347	29.492562	

246896.089	197944.874	139479.867	98816.6237	97836.7938	107083.873	319370.495	269176.683	177403.316	98308.9487	
246896.089	197944.874	139479.867	98816.6237	97836.7938	107083.873	319370.495	269176.683	177403.316	98308.9487	
11640.29	11040.19	6724.87	9831.88	9902.02	9735.94	10456.17	10276.14	10830	9437.62	
315647.89	301444.321	190401.729	270390.612	271799.075	266874.802	290789.792	285990.72	302328.58	263899.431	
-315311.5	-263256.7	-180907.56	-157489.36	-156800.93	-164892.13	-381307.44	-330066.11	-241968.19	-154499.17	
-315311.5	-263256.7	-180907.56	-157489.36	-156800.93	-164892.13	-381307.44	-330066.11	-241968.19	-154499.17	
1.39	2.13	1.75	1.67	2.54	2.15	2.25	1.02	2.29	2.32	
		0.142857			0.130434					1
101368.73	95972.288	63759.5609	75066.5416	80148.2595	92309.18	95781.7809	90315.8249	89310.0832	69812.4	
1.08	1.03	0.89	1.02	1.11	0.96	0.92	1.13	1.09	1.16	
4699.9548	4482.3643	3873.1109	4438.8462	4830.5091	4177.7376	4083.7328	5015.8892	4838.3356	5149.0544	
388763.26	371238.506	235702.533	333502.197	335593.716	328860.799	356810.472	351896.036	371731.794	325238.704	
388763.26	371238.506	235702.533	333502.197	335593.716	328860.799	356810.472	351896.036	371731.794	325238.704	
302959.974	289410.514	183071.62	259673.863	261005.873	256262.628	279183.444	274584.205	290307.28	253423.673	
11640.29	11040.19	6724.87	9831.88	9902.02	9735.94	10456.17	10276.14	10830	9437.62	
4699.9548	4482.3643	3873.1109	4438.8462	4830.5091	4177.7376	4083.7328	5015.8892	4838.3356	5149.0544	
388763.26	371238.506	235702.533	333502.197	335593.716	328860.799	356810.472	351896.036	371731.794	325238.704	
12687.9161	12033.8071	7330.1083	10716.7492	10793.2018	10612.1746	11606.3487	11406.5154	12021.3	10475.7582	
0.6	0.15	0.6	0.15	0.3			0.15	0.15		0.45
0.001022	0.000227	0.012857	0.004305	0.000476			0.000131	0.001114		0.00647
0.001022	0.000227	0.012857	0.00369	0.000476			0.000119	0.001114		0.006448
20.914181	20.914181	285.172567								159.993068
0.05558	0.059977	0.94833								0.661921
1.08	0.24	12.96	3.72	0.48			0.12	1.23		6.81
0.041647	0.022102	0.035684	0.025148	0.028065	0.027581	0.023452	0.039613	0.026005	0.026468	0.021619
16.2	3.6	194.4	55.8	7.2			1.8	18.45		102.15
354.859044	78.857565	4258.30853	1222.29226	157.71513			40.217358	412.227923		2282.33509
0.929519	0.232379	0.929519	0.232379	0.464759			0.237026	0.237026		0.71108
21.59622	4.79916	259.15464	74.386979	9.59832			2.44746	25.086465		138.893355
1012.02	1032.66	972.03	982.65	979.71	1073.55	984.36	968.07	1075.29	934.59	1033.17
2.875056	2.933693	2.892946	2.924553	2.915803	2.917255	2.929642	2.88116	2.921983	2.920593	2.935142
1056	1056	1008	1008	1008	1104	1008	1008	1104	960	1056
3	3	3	3	3	3	3	3	3	3	3

1.08	0.24	12.96	3.72	0.48			0.12	1.23		6.81
13.942787	3.485696	13.942787	3.485696	6.971393			3.555401	3.555401		10.666204
13.942787	3.485696	13.942787	3.485696	6.971393			3.555401	3.555401		10.666204
376.455264	83.656725	4517.46317	1296.67924	167.31345			42.664818	437.314388		2421.22844
420.4527	89.541707	7166.20317	1594.75753	174.452925			45.903205	494.462734		3256.17302
43.997436	5.884982	2648.74	298.078282	7.139474			3.238386	57.148345		834.944577
420.4527	89.541707	7166.20317	1594.75753	174.452925			45.903205	494.462734		3256.17302
0.36	0.08	4.32	1.24	0.16			0.04	0.41		2.27
355.541082	62.742544	4232.2906	1296.67924	167.31345			42.664818	437.314388		2261.23537
399.035064	67.492221	6690.77388	1594.75753	174.452925			45.903205	494.462734		3045.29221
0.12	0.03	0.115038	0.03	0.06			0.03	0.03		0.09
1.02	0.18	12.141877	3.72	0.48			0.12	1.23		6.36
		348.569689								
		6.971393								
1.08	0.24	12.96	3.72	0.48			0.12	1.23		6.81
0.003068	0.000681	0.038571	0.011071	0.001428			0.000357	0.003342		0.019346
43.997436	5.884982	2648.74	298.078282	7.139474			3.238386	57.148345		834.944577
43.997436	5.884982	2648.74	298.078282	7.139474			3.238386	57.148345		834.944577
0.06	0.06	0.818122								0.45
20.914181	20.914181	285.172567								159.993068
								0.02		
-43.997436	-5.884982	-2648.74	-298.07828	-7.139474			-3.238386	-57.148345		-834.94458
-443.0325	-73.377203	-9339.5139	-1892.8358	-181.5924			-49.141592	-551.61108		-3880.2368
124.8302	26.8375	1118.8465	301.1274	42.4091			12.4358	114.6472		546.9072
0.18	0.06	0.55	0.17	0.09			0.02	0.26		0.28
376.455264	83.656725	4517.46317	1296.67924	167.31345			42.664818	437.314388		2421.22844
376.455264	83.656725	4517.46317	1296.67924	167.31345			42.664818	437.314388		2421.22844
376.455264	83.656725	4517.46317	1296.67924	167.31345			42.664818	437.314388		2421.22844
1.08	0.24	12.96	3.72	0.48			0.12	1.23		6.81
376.455264	83.656725	4517.46317	1296.67924	167.31345			42.664818	437.314388		2421.22844
9.25064	6.557569	3.727106	3.975279	2.839169	2.696011	6.274237	7.284494	5.693757	6.093574	4.007657
0.175512	0.158744	0.13065	0.083313	0.055365	0.052249	0.188927	0.147407	0.110999	0.093728	0.142342
0.170943	0.156153	0.1275	0.082208	0.05213	0.051239	0.180642	0.1435	0.107885	0.092812	0.135715

123921.158	75025.0614	22880.1277	6512.37988	8025.42249	27722.7843	69014.1393	52708.7276	16289.5277	6931.72465	28850.8982
362.89234	235.295959	84.258965	26.230405	29.868698	84.962676	218.562246	172.483632	58.125636	27.942733	121.46097
3008.6	2748.3	2142	1381.1	875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6
0.029204	0.02419	0.028869	0.027678	0.039568	0.031576	0.031502	0.033154	0.026807	0.026843	0.030184
43370.2	39608.7	31024.8	19903.9	12608.6	13520.8	43777.2	34737.6	28614.3	21286.2	34620.6
215613.157	196446.414	147608.167	106650.732	80647.5038	89913.4023	275837.263	218154.274	159204.76	113933.52	164164.889
3.122522	2.220219	1.243815	1.392776	1.251984	1.265267	2.470011	2.846335	2.148872	2.264346	1.338875
24879.4066	15189.8834	4780.52492	1182.37312	1256.724	4085.9424	10652.615	8448.81654	2896.20979	1291.293	6096.33355
17097.1	17236.5	16264.6	16394.1	16169.9	17784.8	16284.1	16245.1	17873	15545	17063.8
48.571306	48.967329	48.406547	48.791964	48.124702	48.32826	48.464583	48.348511	48.567934	48.578125	48.476704
17600	17600	16800	16800	16800	18400	16800	16800	18400	16000	17600
50	50	50	50	50	50	50	50	50	50	50
3008.6	2748.3	2142	1381.1	875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6
76.730976	57.457546	34.910564	32.251387	31.518517	30.496626	67.29173	78.91823	54.429551	55.172615	34.68356
44.857731	31.798929	17.901805	19.896409	17.922168	18.018574	35.595037	40.873682	30.699097	32.373336	19.274899
216660.501	197059.652	148200.997	106984.126	80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66
356451.138	316754.468	365370.472	181917.453	126869.707	118184.545	406822.888	320700.705	247605.833	152418.652	360756.4
139790.636	119694.816	217169.475	74933.3269	45903.2235	28016.0563	129939.551	101897.227	87914.4385	38111.4095	195715.739
356451.138	316754.468	365370.472	181917.453	126869.707	118184.545	406822.888	320700.705	247605.833	152418.652	360756.4
302.73	253.78	158.04	106.79	77.93	100.22	254.48	296.77	220.47	179.36	178.2
92739.3432	122034.59	125320.869	100471.746	72941.0613	62445.704	207869.198	166094.751	143401.867	107375.518	136189.762
143464.555	191499.88	305985.659	170257.716	114824.144	81400.3735	300857.558	238449.325	222063.938	143217.755	291561.435
9.3774	7.818191	5.78981	6.180592	4.441823	3.603284	9.35745	10.876225	8.893064	9.648642	5.800761
1258.24781	1678.30714	1806.567	1298.03255	787.215882	653.640373	2284.23392	1815.56401	1780.41033	1393.72319	1959.01882
81.475355	81.778629	85.980799	86.496491	101.89942	104.325362	93.42282	93.784352	86.85933	80.854411	88.599682
51.992913	37.607185	22.351124	10.36943	16.277745	19.81651	37.292773	45.954332	26.926392	19.404733	22.981035
3008.6	2748.3	2142	1381.1	875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6
8.547159	7.80767	6.375	4.110416	2.606547	2.561956	9.032142	7.175	5.394293	4.640625	6.785795
139790.636	119694.816	217169.475	74933.3269	45903.2235	28016.0563	129939.551	101897.227	87914.4385	38111.4095	195715.739
139790.636	119694.816	217169.475	74933.3269	45903.2235	28016.0563	129939.551	101897.227	87914.4385	38111.4095	195715.739
1750.35219	1069.99286	335.432997	83.067449	88.584117	289.159626	750.566077	595.235992	204.689665	91.276814	429.581184
123921.158	75025.0614	22880.1277	6512.37988	8025.42249	27722.7843	69014.1393	52708.7276	16289.5277	6931.72465	28850.8982
35.62	37.11	31.27	21.15	13.73	12.58	45.62	35.11	31.53	22.54	38.43
-139790.64	-119694.82	-217169.47	-74933.327	-45903.224	-28016.056	-129939.55	-101897.23	-87914.439	-38111.409	-195715.74
-283255.19	-311194.7	-523155.13	-245191.04	-160727.37	-109416.43	-430797.11	-340346.55	-309978.38	-181329.16	-487277.17

14.34	8.27	2.42	0.62	0.63	1.8	5.29	4.38	1.21	0.6	2.45
35410.9702	29970.0171	20214.7229	11961.1645	8129.1296	10022.5561	33629.728	25543.4393	18973.9308	12053.3263	20957.692
0.78	0.19	0.21	0.17	0.26	0.19	0.68	0.29	0.18	0.23	0.51
530.76	145.138	164.286	98.414	175.388	122.158	499.975	231.628	138.274	163.664	376.153
216660.501	197059.652	148200.997	106984.126	80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66
216660.501	197059.652	148200.997	106984.126	80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66
215613.157	196446.414	147608.167	106650.732	80647.5038	89913.4023	275837.263	218154.274	159204.76	113933.52	164164.889
3008.6	2748.3	2142	1381.1	875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6
530.76	145.138	164.286	98.414	175.388	122.158	499.975	231.628	138.274	163.664	376.153
216660.501	197059.652	148200.997	106984.126	80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66
516.584	468.1	428.544	234.98	143.592	132.928	546.099999	417.576	348.361	210.058	499.617999
							0.08	0.16		
0.6	0.15	0.6	0.15	0.3			0.15	0.15		0.45
0.001022	0.000227	0.012875	0.00369	0.000476			0.000119	0.001164		0.006501
0.001022	0.000227	0.012857	0.00369	0.000476			0.000119	0.001059		0.006448
25.753188	27.885575	345.353442								213.324091
0.068561	0.07997	1.14268								0.882561
1.44	0.32	17.28	4.96	0.64			0.16	1.56		9.08
0.039431	0.032528	0.02988	0.020297	0.027916	0.032255	0.041428	0.024553	0.02538	0.024531	0.036818
21.6	4.8	259.2	74.4	9.6			2.4	23.4		136.2
473.145392	105.14342	5677.74471	1629.72302	210.286841			53.623144	522.825658		3043.11345
0.929519	0.232379	0.929519	0.232379	0.464759			0.237026	0.237026		0.71108
28.79496	6.39888	345.53952	99.18264	12.79776			3.26328	31.81698		185.19114
1352.48	1362.2	1303.84	1316.72	1306.48	1424.52	1288.32	1311	1434.64	1248.6	1356.16
3.842272	3.869886	3.880476	3.918809	3.888333	3.870978	3.834285	3.901785	3.898478	3.901875	3.852727
1408	1408	1344	1344	1344	1472	1344	1344	1472	1280	1408
4	4	4	4	4	4	4	4	4	4	4
1.44	0.32	17.28	4.96	0.64			0.16	1.56		9.08
13.942787	3.485696	13.942787	3.485696	6.971393			3.555401	3.555401		10.666204
13.942787	3.485696	13.942787	3.485696	6.971393			3.555401	3.555401		10.666204
501.940352	111.5423	6023.28423	1728.90566	223.084601			56.886424	554.642638		3228.30459
560.6036	119.388943	9554.93756	2126.34337	232.603901			61.204273	628.296784		4341.56403
58.663248	7.846643	3531.65333	397.43771	9.519299			4.317849	73.654145		1113.25944
560.6036	119.388943	9554.93756	2126.34337	232.603901			61.204273	628.296784		4341.56403

0.36	0.08	4.32	1.24	0.16			0.04	0.39		2.27
476.187163	83.656725	5677.93079	1728.90566	223.084601			56.886424	554.642638		3014.9805
534.224672	89.989628	8971.99663	2126.34337	232.603901			61.204273	628.296784		4060.38962
0.158789	0.04	0.159854	0.04	0.08			0.04	0.04		0.12
1.366117	0.24	16.289226	4.96	0.64			0.16	1.56		8.48
353.369653	367.752506	501.079789								468.88233
7.067393	3.677525	10.021595								4.688823
1.44	0.32	17.28	4.96	0.64			0.16	1.56		9.08
0.00409	0.000909	0.051428	0.014761	0.001904			0.000476	0.004239		0.025795
58.663248	7.846643	3531.65333	397.43771	9.519299			4.317849	73.654145		1113.25944
58.663248	7.846643	3531.65333	397.43771	9.519299			4.317849	73.654145		1113.25944
0.073882	0.08	0.990773								0.6
25.753188	27.885575	345.353442								213.324091
0.33	0.06	4.05	1.24	0.16			0.03	0.37		2.12
-58.663248	-7.846643	-3531.6533	-397.43771	-9.519299			-4.317849	-73.654145		-1113.2594
-592.88792	-97.836271	-12503.65	-2523.7811	-242.1232			-65.522122	-701.95093		-5173.6491
0.01	0.02	0.24								0.15
124.8302	26.8375	1118.8465	301.1274	42.4091			12.4358	108.7618		546.9072
0.18	0.06	0.55	0.17	0.09			0.02	0.24		0.28
501.940352	111.5423	6023.28423	1728.90566	223.084601			56.886424	554.642638		3228.30459
501.940352	111.5423	6023.28423	1728.90566	223.084601			56.886424	554.642638		3228.30459
501.940352	111.5423	6023.28423	1728.90566	223.084601			56.886424	554.642638		3228.30459
1.44	0.32	17.28	4.96	0.64			0.16	1.56		9.08
501.940352	111.5423	6023.28423	1728.90566	223.084601			56.886424	554.642638		3228.30459

10.286328	10.428889	10.857846	10.506398	10.528861	10.517488	10.419406	10.410502	10.507287	10.485343	10.741087
0.634384	0.571891	0.396661	0.494602	0.530704	0.542558	0.612937	0.628328	0.546603	0.552423	0.418091
0.604582	0.537388	0.373629	0.464226	0.50758	0.51482	0.578975	0.599687	0.514913	0.522912	0.289188
394752.317	352076.675	238866.071	292528.851	319551.842	354105.114	367569.427	380964.023	359872.79	318122.865	195693.687
1248.32965	1185.785	971.560936	1204.93219	1217.72311	1135.78421	1190.38068	1288.78036	1358.85165	1327.45662	839.154998
12470.84	11084.816	7356.61	9140.438	9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142
0.049204	0.067159	0.059553	0.064732	0.046636	0.049918	0.058452	0.051696	0.056875	0.053156	0.065426
126828.414	113188.678	77012.4093	94164.6066	102702.445	113837.169	115954.183	120042.844	113770.925	100335.682	61830.9149
155036.387	138165.614	93442.2496	114646.816	125507.138	138993.975	145452.786	151012.054	141993.974	126086.822	77316.7899
3.056	3.056	3.056	3.056	3.056	3.056	3.110499	3.110499	3.110499	3.110499	3.110499

232856.969	207814.412	141394.784	172886.218	188561.689	209005.042	215732.758	223339.711	211670.807	186674.536	115036.417
19612.248	19241.896	18517.014	18415.05	18771.338	20488.318	18538.696	18671.718	20338.302	17755.214	14054.038
55.716613	54.664477	55.11016	54.806696	55.867077	55.674777	55.17469	55.570589	55.267124	55.485043	39.926244
20627.2	20627.2	19689.6	19689.6	19689.6	21564.8	19689.6	19689.6	21564.8	18752	20627.2
58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.599999	58.6	58.6
12470.84	11084.816	7356.61	9140.438	9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142
34.578232	35.898497	38.864177	36.916349	36.057309	36.095741	36.330636	36.441634	37.184658	36.808115	40.122325
31.981703	32.418379	33.736476	32.660074	32.726948	32.688167	32.963967	32.93377	33.24783	33.17102	33.967763
419231.219	378134.861	262177.608	319605.513	340688.48	380755.532	392336.547	404321.633	388073.237	342214.208	216634.991
764155.402	656910.028	530189.812	472718.567	510438.12	563174.051	832778.563	798254.486	643089.385	502097.921	401068.142
344924.183	278775.167	268012.205	153113.053	169749.64	182418.519	440442.016	393932.854	255016.147	159883.713	184433.15
764155.402	656910.028	530189.812	472718.567	510438.12	563174.051	832778.563	798254.486	643089.385	502097.921	401068.142
334.68	328.36	315.99	314.25	320.33	349.63	316.36	318.63	347.07	302.99	239.83
		17.097567	31.423456	13.71456				10.229579	129.657175	
		20.031879	33.151727	13.678824				10.210854	203.027187	
		0.485796	0.740302	0.399442				0.293044	3.331919	
		0.485796	0.887544	0.399442				0.293044	3.632895	
32.533267	32.393715	17.238493	30.118662	32.418381	35.243725	33.112184	36.717073	34.748717	32.337	22.8467
26.677279	25.591035	12.060463	24.385432	28.196671	27.842542	22.847407	29.006488	28.803834	24.223082	13.936487
12470.84	11084.816	7356.61	9140.438	9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142
35.428522	31.490954	21.894672	27.203684	29.744208	30.168461	33.927952	35.141678	30.173907	30.642656	16.946426
278630.971	219611.445	227757.818	103893.213	116067.073	122915.831	379832.764	331186.459	195548.085	107438.252	152114.131
278630.971	219611.445	227757.818	103893.213	116067.073	122915.831	379832.764	331186.459	195548.085	107438.252	152114.131
12470.84	11084.816	7356.1242	9139.55046	9993.65456	11101.994	11399.792	11807.604	11103.705	9802.0171	5965.142
394752.317	352076.675	238866.071	292528.851	319551.842	354105.114	367569.427	380964.023	359872.79	318122.865	195693.687
			0.01	0.01					0.05	
-344924.18	-278775.17	-268012.2	-153113.05	-169749.64	-182418.52	-440442.02	-393932.85	-255016.15	-159883.71	-184433.15
-344924.18	-278775.17	-268032.24	-153146.2	-169763.32	-182418.52	-440442.02	-393932.85	-255026.36	-160086.74	-184433.15
16.01	13.46	15.12	13.52	17.34	16.67	12.87	14.71	17.61	15.58	9.06
										0.272727
95464.7443	87125.5779	70146.6161	68770.2236	77021.4686	98845.861	88460.5033	86480.493	82929.7367	65458.7287	47042.4593
1.24	1.32	1.18	1.37	1.07	1.35	1.23	1.16	1.4	1.19	1.04
24478.902	26058.186	23294.439	27045.2385	21122.9235	26650.4175	24767.1201	23357.6092	28190.218	23961.6853	20941.3048
485524.431	437298.583	302431.994	368825.353	394371.048	440258.22	452945.799	467068.027	447541.3	394659.669	248954.011
485524.431	437298.583	302431.994	368825.353	394371.048	440258.22	452945.799	467068.027	447541.3	394659.669	248954.011

387893.355	345980.026	234837.033	287533.034	314068.827	347999.017	361185.544	374351.765	353664.78	312761.358	192353.207
12470.84	11084.816	7356.61	9140.438	9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142
24478.902	26058.186	23294.439	27045.2385	21122.9235	26650.4175	24767.1201	23357.6092	28190.218	23961.6853	20941.3048
485524.431	437298.583	302431.994	368825.353	394371.048	440258.22	452945.799	467068.027	447541.3	394659.669	248954.011
6858.962	6096.6488	4046.1355	5027.2409	5496.7297	6106.0967	6383.88352	6612.25824	6218.23888	5491.164	3340.47952
		0.03	0.1	0.05				0.05	0.15	
7.8	6	3.6	3.3	2.4	2.25	6	7.2	5.1	5.1	3.9
0.163781	0.148411	0.125396	0.078618	0.0514	0.04779	0.179521	0.137504	0.102483	0.083863	0.137671
0.159801	0.144971	0.121636	0.075744	0.04866	0.046576	0.175327	0.13363	0.10076	0.082	0.134232
22852.2095	12758.7471	4475.03831	1119.28058	1440.34691	3695.13095	13172.7887	8823.58541	2267.02503	1147.24835	3996.70424
66.144354	39.865468	16.234083	4.483219	5.389167	11.371784	41.807491	28.798165	8.100557	4.580434	16.817718
787.5	714.42	572.18	356.3	228.9	239.96	824.74	628.6	519.12	367.36	661.5
0.024545	0.032301	0.035654	0.039315	0.035952	0.021902	0.028005	0.031607	0.034402	0.025468	0.03213
11812.5	10716.3	8582.7	5344.5	3433.5	3599.4	12371.1	9429	7786.8	5510.4	9922.5
58867.5119	53214.1985	41010.1761	28879.7959	21958.2382	23919.7972	78000.0778	58942.9926	43662.6949	29652.4273	46940.5033
2.50332	1.93886	1.154232	1.120296	1.011818	0.980148	2.244785	2.653438	1.827185	1.790066	1.248619
4570.8341	2582.78782	929.663754	206.689879	230.595319	543.669701	1979.4425	1462.68138	393.934482	214.531061	856.578501
4807.04	4768.82	4536.28	4519.06	4534.88	5039.16	4572.26	4555.32	4974.76	4365.9	4769.66
13.656363	13.547784	13.500833	13.449583	13.496666	13.693369	13.607916	13.5575	13.518369	13.643437	13.55017
4928	4928	4704	4704	4704	5152	4704	4704	5152	4480	4928
14	14	14	14	14	14	14	14	14	14	14
787.5	714.42	572.18	356.3	228.9	239.96	824.74	628.6	519.12	367.36	661.5
38.088808	29.191626	17.462363	16.914745	15.643884	14.812105	34.020467	39.986859	27.660634	27.05137	19.136629
38.088808	29.191626	17.462363	16.914745	15.643884	14.812105	34.020467	39.986859	27.660634	27.05137	19.136629
59161.5119	53287.6985	41136.1761	28974.2959	22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033
95705.4577	84629.6572	104182.383	48866.2914	33784.4241	30852.5115	113560.218	85093.521	67124.1542	39225.3415	102183.901
36543.9459	31341.9587	63046.207	19891.9955	11700.1859	6838.21435	35287.1406	26045.5284	23356.4593	9499.41421	54970.3981
95705.4577	84629.6572	104182.383	48866.2914	33784.4241	30852.5115	113560.218	85093.521	67124.1542	39225.3415	102183.901
161.61	135.44	85.38	55.99	39.97	56.11	133.23	159.46	126.25	92.65	96.54
36309.3024	40528.9514	36661.1377	27855.0153	20643.8913	20319.1662	65100.289	50224.4072	41500.6698	28578.6789	43216.799
57295.9487	63574.3034	91384.3693	46784.811	31653.9909	26091.4998	94111.1915	71405.9945	63830.7942	37694.4133	91699.2133
6.431243	4.948889	3.279584	3.057331	2.204726	2.01985	5.359566	6.540355	4.580824	4.727708	3.586763
482.777726	542.234145	510.202416	342.520674	213.526978	203.715353	692.777166	531.087908	492.857701	353.057929	604.394766
77.129154	76.617951	77.092981	80.265635	99.482271	103.099748	98.24564	94.956102	92.066378	85.311628	75.781682

39.240433	29.881001	14.647666	6.42125	8.953404	15.464962	29.473692	37.859608	23.937258	13.64986	14.908561
787.5	714.42	572.18	356.3	228.9	239.96	824.74	628.6	519.12	367.36	661.5
2.237215	2.029602	1.702916	1.060416	0.68125	0.652065	2.454583	1.870833	1.410652	1.148	1.879261
36543.9459	31341.9587	63046.207	19891.9955	11700.1859	6838.21435	35287.1406	26045.5284	23356.4593	9499.41421	54970.3981
36543.9459	31341.9587	63046.207	19891.9955	11700.1859	6838.21435	35287.1406	26045.5284	23356.4593	9499.41421	54970.3981
304.722273	172.185854	61.977583	13.779325	15.373021	36.244646	131.962833	97.512091	26.262298	14.30207	57.105233
22852.2095	12758.7471	4475.03831	1119.28058	1440.34691	3695.13095	13172.7887	8823.58541	2267.02503	1147.24835	3996.70424
10.69	11.71	6.77	7.01	5.14	6.05	15.02	11.81	9.35	9.84	8.17
-36543.946	-31341.959	-63046.207	-19891.996	-11700.186	-6838.2143	-35287.141	-26045.528	-23356.459	-9499.4142	-54970.398
-93839.895	-94916.262	-154430.58	-66676.807	-43354.177	-32929.714	-129398.33	-97451.523	-87187.254	-47193.827	-146669.61
4.99	2.54	0.56	0.08	0.29	0.76	2.21	1.59	0.56	0.27	0.5
18693.9966	15788.2956	10397.4671	6251.6849	4345.1744	5426.7555	18308.2977	13510.993	10004.3909	6388.4634	11105.0294
0.28	0.07	0.12	0.09	0.12	0.09	0.26	0.1	0.1	0.07	0.26
294	73.5	126	94.5	126	94.5	273	105	105	73.5	273
59161.5119	53287.6985	41136.1761	28974.2959	22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033
59161.5119	53287.6985	41136.1761	28974.2959	22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033
58867.5119	53214.1985	41010.1761	28879.7959	21958.2382	23919.7972	78000.0778	58942.9926	43662.6949	29652.4273	46940.5033
787.5	714.42	572.18	356.3	228.9	239.96	824.74	628.6	519.12	367.36	661.5
294	73.5	126	94.5	126	94.5	273	105	105	73.5	273
59161.5119	53287.6985	41136.1761	28974.2959	22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033
							0.01	0.13		

10.923765	11.054129	11.439155	11.094277	11.081774	11.049884	11.060025	11.02405	11.108727	11.065138	11.212427
0.487627	0.45215	0.341417	0.388619	0.386195	0.39093	0.479965	0.469061	0.415205	0.416656	0.334296
0.470615	0.435209	0.32227	0.374541	0.371302	0.372077	0.462664	0.450647	0.398659	0.400235	0.270604
2084750.29	1851147.48	1176463.2	1314894.79	1395632.84	1686863.2	1914533.92	1837894.45	1598041.64	1263586.14	1114800.02
6542.91197	6200.21736	4763.02414	5407.2078	5311.84122	5396.52716	6183.10867	6191.43965	6013.25872	5262.38254	4770.46545
60812.494	56237.464	39750.706	46198.012	45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314
0.034775	0.03385	0.036117	0.032946	0.035362	0.032129	0.033728	0.035665	0.03346	0.034065	0.035511
660306.173	613904.105	445410.24	506415.878	499357.843	545706.471	621735.911	603235.042	588513.827	511533.747	386293.06
1213385.6	1110754.88	831099.958	837909.018	795433.74	881611.392	1331104.96	1209082.95	1057993.46	882537.055	790762.692
3.117978	3.073738	3.053242	3.010805	3.000073	3.034631	3.279162	3.247357	3.11916	3.092671	3.281448
913427.128	853502.744	626341.371	749508.216	765181.752	844423.959	864225.71	866337.262	862637.432	757787.947	564346.268
78402.4928	55837.7306	17004.9215	6546.99123	7696.45202	22192.5572	48294.9901	38918.3533	15137.6746	7138.93583	26515.5966
124529.928	124338.576	116466.184	118856.38	118609.128	128595.133	118913.386	118535.693	129835.237	112846.859	104501.903

353.778204	353.23459	346.625547	353.739226	353.003357	349.443296	353.908886	352.7848	352.813144	352.646434	296.880406
129219.2	129219.2	123345.6	123345.6	123345.6	135092.8	123345.6	123345.6	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
60812.494	56237.464	39750.706	46198.012	45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314
308.524981	231.851747	228.510197	186.854123	199.19872	164.418083	236.981613	275.337012	229.857298	219.895957	190.104399
35.800254	35.61238	36.435466	34.919634	34.661207	34.952056	37.929561	37.420163	36.215037	35.81492	38.592186
2279094.1	2107994.55	1564947.32	1702399.03	1665864.56	1845095.41	2343030.8	2215788.96	2059294.33	1762371.66	1460455.47
3989302.92	3503510.11	3063890.56	2515464.66	2416359.84	2624033.3	4454601.27	3987774.41	3279191.9	2470926.41	2634842.48
1710208.82	1395515.56	1498943.24	813065.633	750495.272	778937.887	2111570.48	1771985.45	1219897.57	708554.746	1174387.01
3989302.92	3503510.11	3063890.56	2515464.66	2416359.84	2624033.3	4454601.27	3987774.41	3279191.9	2470926.41	2634842.48
1707.04	1570.98	1285.03	1230.99	1164.96	1265.26	1571.02	1642.58	1600.6	1354.33	994.74
157862.609	218124.378	354542.113	350829.33	237855.749	120277.682	393005.26	342431.556	419788.576	462316.109	317265.72
244159.177	343643.882	876926.175	613492.634	387644.965	160826.765	592009.969	508352.737	693564.748	695097.924	684127.618
3.908593	3.796793	3.68911	5.394901	4.159813	2.76507	6.336927	5.204417	5.741623	12.610726	3.704073
2205.23064	3255.19294	5703.57498	6296.8842	3750.8933	1413.88231	4757.11741	4359.0694	6818.01086	9184.34146	4926.00905
50.428914	42.168717	28.412853	33.141097	35.996173	38.946	45.994109	48.59658	39.494151	36.222186	30.855032
50.362372	42.160764	28.402483	33.10879	35.958651	38.94326	45.964958	48.573657	39.448378	36.187152	30.772482
60812.494	56237.464	39750.706	46198.012	45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314
172.762767	159.765522	118.305672	137.494083	136.305023	136.589641	169.844315	165.432738	146.347842	146.926393	99.33896
1421703.54	1125306.94	1303940.73	575436.46	508115.107	514316.356	1842722.62	1502983.3	950515.974	472055.91	1015493.46
1421703.54	1125306.94	1303940.73	575436.46	508115.107	514316.356	1842722.62	1502983.3	950515.974	472055.91	1015493.46
58607.2634	52982.2711	34047.131	39901.1278	42047.5947	48851.1057	52310.5726	51226.3306	47037.9951	37832.1045	30041.305
2084750.29	1851147.48	1176463.2	1314894.79	1395632.84	1686863.2	1914533.92	1837894.45	1598041.64	1263586.14	1114800.02
55.81	62.79	59.86	70.15	52.89	31.04	83.19	77.92	85.45	92.08	64.99
-1710208.8	-1395515.6	-1498943.2	-813065.63	-750495.27	-778937.89	-2111570.5	-1771985.5	-1219897.6	-708554.75	-1174387
-1954368	-1739159.4	-2375869.4	-1426558.3	-1138140.2	-939764.65	-2703580.4	-2280338.2	-1913462.3	-1403652.7	-1858514.6
295.16	284.6	266.35	233.77	260.36	334.63	249.51	251.56	259.54	191.14	273.51
		0.012987			0.011857					0.115702
386555.779	352829.684	260614.342	252289.552	261737.606	327746.806	363127.569	333278.459	310460.642	239108.611	174253.054
5.68	4.26	5.22	4.21	3.95	3.85	4.43	4.03	5.02	4.04	3.92
37754.8058	39187.7681	34450.8058	37077.7489	32860.7118	38376.5596	36543.8879	36037.8106	41974.361	36971.9187	29265.5946
2567599.38	2378203.17	1759949.83	1940028.2	1908244.73	2109716.95	2611878.66	2484791.11	2328675.93	1998870.5	1619349.01
2567599.38	2378203.17	1759949.83	1940028.2	1908244.73	2109716.95	2611878.66	2484791.11	2328675.93	1998870.5	1619349.01
2126812.72	1964257.63	1457441.33	1587417.23	1560615.49	1726035.35	2195330.67	2075420.21	1920630.89	1640325	1355108.96
60812.494	56237.464	39750.706	46198.012	45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314

37754.8058	39187.7681	34450.8058	37077.7489	32860.7118	38376.5596	36543.8879	36037.8106	41974.361	36971.9187	29265.5946
2567599.38	2378203.17	1759949.83	1940028.2	1908244.73	2109716.95	2611878.66	2484791.11	2328675.93	1998870.5	1619349.01
114526.57	104549.154	73055.1867	77904.0455	72388.3591	80683.5041	111156.242	104330.943	96689.0734	85074.743	76080.9146
0.9	4.22	9.05	31.74	22.73	1.54	3.26	6.23	22.94	36.69	6.16

5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
1092637.83	910423.706	387068.849	471954.017	581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942
3471.65768	3043.70856	1525.40816	1931.87724	2205.37083	3590.01275	2267.2632	2188.46758	2089.00373	1329.93548	2022.82334
-110151.42	-104244.66	-82964.618	-81687.67	-88122.138	-114909.88	-103850.76	-99380.22	-97411.322	-76757.981	-82067.806
110151.417	104244.655	82964.6175	81687.6695	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
1092637.83	910423.706	387068.849	471954.017	581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942
294.4	284.13	266.63	233.06	259.07	334.8	248.62	250.81	258.53	190.45	280.38
237.809253	229.806025	196.677139	167.176537	182.677154	233.717456	203.056281	203.498984	178.548244	149.685918	176.33869
115.765454	114.190445	105.464527	92.184118	91.474485	125.304435	102.284817	99.10037	88.905603	75.793535	96.536759
36844.426	36424.4612	32464.1773	23115.4053	26773.0087	44337.0553	30842.9752	28847.5578	26888.9336	17016.0398	30609.4425
-110151.42	-104244.66	-82964.618	-81687.67	-88122.138	-114909.88	-103850.76	-99380.22	-97411.322	-76757.981	-82067.806
-312.93016	-296.14959	-246.9185	-243.11806	-262.26827	-312.25512	-309.07964	-295.77446	-264.70468	-239.86869	-233.14718
-5558987.2	-4735774	-3189670.1	-3093161	-3333410.3	-4423893.3	-5699243.9	-5103193.9	-4137487.5	-2943969.8	-3269020.3
-50.293712	-45.388529	-38.15997	-37.848657	-37.747743	-38.521396	-54.766163	-51.24062	-42.427371	-38.422212	-39.720764
-5558987.2	-4735774	-3189670.1	-3093161	-3333410.3	-4423893.3	-5699243.9	-5103193.9	-4137487.5	-2943969.8	-3269020.3
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
6651625.05	5646197.74	3576739	3565115.06	3914428.09	5550934.4	6404329.55	5753443.76	4694280.28	3264492.37	3742495.27
110151.417	104244.655	82964.6175	81687.6695	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33

5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
1092637.83	910423.706	387068.849	471954.017	581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942
3471.65768	3043.70856	1525.40816	1931.87724	2205.37083	3590.01275	2267.2632	2188.46758	2089.00373	1329.93548	2022.82334
-110151.42	-104244.66	-82964.618	-81687.67	-88122.138	-114909.88	-103850.76	-99380.22	-97411.322	-76757.981	-82067.806
110151.417	104244.655	82964.6175	81687.6695	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
1092637.83	910423.706	387068.849	471954.017	581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942
294.4	284.13	266.63	233.06	259.07	334.8	248.62	250.81	258.53	190.45	280.38

237.809253	229.806025	196.677139	167.176537	182.677154	233.717456	203.056281	203.498984	178.548244	149.685918	176.33869
115.765454	114.190445	105.464527	92.184118	91.474485	125.304435	102.284817	99.10037	88.905603	75.793535	96.536759
36844.426	36424.4612	32464.1773	23115.4053	26773.0087	44337.0553	30842.9752	28847.5578	26888.9336	17016.0398	30609.4425
-110151.42	-104244.66	-82964.618	-81687.67	-88122.138	-114909.88	-103850.76	-99380.22	-97411.322	-76757.981	-82067.806
-312.93016	-296.14959	-246.9185	-243.11806	-262.26827	-312.25512	-309.07964	-295.77446	-264.70468	-239.86869	-233.14718
-5558987.2	-4735774	-3189670.1	-3093161	-3333410.3	-4423893.3	-5699243.9	-5103193.9	-4137487.5	-2943969.8	-3269020.3
-50.293712	-45.388529	-38.15997	-37.848657	-37.747743	-38.521396	-54.766163	-51.24062	-42.427371	-38.422212	-39.720764
-5558987.2	-4735774	-3189670.1	-3093161	-3333410.3	-4423893.3	-5699243.9	-5103193.9	-4137487.5	-2943969.8	-3269020.3
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
6651625.05	5646197.74	3576739	3565115.06	3914428.09	5550934.4	6404329.55	5753443.76	4694280.28	3264492.37	3742495.27
110151.417	104244.655	82964.6175	81687.6695	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33

191642.245	188804.791	231185.059	265496.382	272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358
620.427244	644.946035	947.744397	1096.29029	1043.8438	977.511594	968.260221	1008.72938	1279.99082	1326.65971	1380.73811
4527.33866	4460.3069	5461.49442	6272.06195	6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189
219564.137	197458.182	203217.135	236669.02	240740.634	274694.593	370398.319	342200.565	322470.839	276618.354	288502.699
4527.33866	4460.3069	5461.49442	6272.06195	6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189
12.861757	12.671326	16.254447	18.666851	19.173907	19.524807	20.245178	20.16873	20.880368	22.596389	20.78509
27921.8913	8653.3907	-27967.923	-28827.363	-31967.552	-29451.927	71977.9167	44907.0221	-14625.178	-40598.804	-32465.658
27921.8913	8653.3907	-27967.923	-28827.363	-31967.552	-29451.927	71977.9167	44907.0221	-14625.178	-40598.804	-32465.658
4527.33866	4460.3069	5461.49442	6272.06195	6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189
191642.245	188804.791	231185.059	265496.382	272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358
-27921.891	-8653.3907	27967.9235	28827.3628	31967.5523	29451.9269	-71977.917	-44907.022	14625.1777	40598.804	32465.6582
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110151.417	104244.655	82964.6175	81687.6695	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
191642.245	188804.791	231185.059	265496.382	272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358

191642.245	188804.791	231185.059	265496.382	272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358
4527.33866	4460.3069	5461.49442	6272.06195	6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189
191642.245	188804.791	231185.059	265496.382	272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358
191642.245	188804.791	231185.059	265496.382	272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358
4527.33866	4460.3069	5461.49442	6272.06195	6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189
219564.137	197458.182	203217.135	236669.02	240740.634	274694.593	370398.319	342200.565	322470.839	276618.354	288502.699
27921.8913	8653.3907	-27967.923	-28827.363	-31967.552	-29451.927	71977.9167	44907.0221	-14625.178	-40598.804	-32465.658
191642.245	188804.791	231185.059	265496.382	272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358
185940.798	183062.941	223705.311	256930.852	264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636
601.923393	625.310528	917.11854	1060.95338	1010.84442	946.501676	933.882306	973.11528	1234.42123	1280.33618	1332.03853
5095.66452	5016.79751	6130.59224	7041.13049	7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551
247238.978	222128.495	228045.025	265836.826	270397.188	308488.842	416143.456	384610.35	362276.099	310920.364	324234.113
33.869344	28.850619	15.819273	18.241651	70.072513	32.372222	24.787325	29.326934	43.447727	11.565898	19.110093
1.01608	1.154024	1.107349	0.729666	0.700725	2.9135	0.495746	1.173077	0.434477	0.115658	8.026239
5095.66452	5016.79751	6130.59224	7041.13049	7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551
14.476319	14.252265	18.24581	20.955745	21.539294	21.930431	22.746056	22.665286	23.457266	25.40407	23.358566
61298.1797	39065.5537	4339.71423	8905.97451	6311.65078	13999.9923	128320.319	97809.2529	37184.6516	4770.83567	14585.4768
61298.1797	39065.5537	4339.71423	8905.97451	6311.65078	13999.9923	128320.319	97809.2529	37184.6516	4770.83567	14585.4768
5095.66452	5016.79751	6130.59224	7041.13049	7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551
185940.798	183062.941	223705.311	256930.852	264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636
-61298.18	-39065.554	-4339.7142	-8905.9745	-6311.6508	-13999.992	-128320.32	-97809.253	-37184.652	-4770.8357	-14585.477
-61298.18	-39065.554	-4339.7142	-8905.9745	-6311.6508	-13999.992	-128320.32	-97809.253	-37184.652	-4770.8357	-14585.477
0.13	0.39	0.74	0.34	0.02	0.79	0.04	0.29	0.07	0.09	7.34
110151.417	104244.655	82964.6175	81687.6695	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
185940.798	183062.941	223705.311	256930.852	264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636
185940.798	183062.941	223705.311	256930.852	264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636
5095.66452	5016.79751	6130.59224	7041.13049	7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551
185940.798	183062.941	223705.311	256930.852	264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636
185940.798	183062.941	223705.311	256930.852	264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636
5095.66452	5016.79751	6130.59224	7041.13049	7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551
247238.978	222128.495	228045.025	265836.826	270397.188	308488.842	416143.456	384610.35	362276.099	310920.364	324234.113
61298.1797	39065.5537	4339.71423	8905.97451	6311.65078	13999.9923	128320.319	97809.2529	37184.6516	4770.83567	14585.4768
185940.798	183062.941	223705.311	256930.852	264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636

158314.955	171632.021	121199.085	99264.8386	123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361
508.26516	583.379303	494.999689	409.72188	472.245125	535.804546	503.245783	457.496782	667.957699	660.692142	639.603836
3090.27826	3350.22488	2365.78342	1937.63105	2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631
153264.47	150302.963	88901.8399	75854.7737	87467.3117	121905.649	163312.576	129089.432	143451.645	117317.835	113812.086
3090.27826	3350.22488	2365.78342	1937.63105	2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631
8.779199	9.517684	7.041022	5.766759	7.167381	8.838722	9.015262	7.835061	9.307576	9.604715	8.242205
-5050.4856	-21329.058	-32297.245	-23410.065	-35906.839	-44727.607	8130.33541	-5777.6784	-32020.743	-40138.034	-34819.275
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3090.27826	3350.22488	2365.78342	1937.63105	2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631
158314.955	171632.021	121199.085	99264.8386	123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361
5050.48561	21329.0576	32297.2449	23410.0649	35906.8389	44727.6068	-8130.3354	5777.67843	32020.743	40138.0338	34819.2749
5050.48561	21329.0576	32297.2449	23410.0649	35906.8389	44727.6068	-8130.3354	5777.67843	32020.743	40138.0338	34819.2749
106739.034	104244.655	82964.6175	72859.7697	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
158314.955	171632.021	121199.085	99264.8386	123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361
158314.955	171632.021	121199.085	99264.8386	123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361
3090.27826	3350.22488	2365.78342	1937.63105	2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631
158314.955	171632.021	121199.085	99264.8386	123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361
158314.955	171632.021	121199.085	99264.8386	123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361
3090.27826	3350.22488	2365.78342	1937.63105	2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631
153264.47	150302.963	88901.8399	75854.7737	87467.3117	121905.649	163312.576	129089.432	143451.645	117317.835	113812.086
-5050.4856	-21329.058	-32297.245	-23410.065	-35906.839	-44727.607	8130.33541	-5777.6784	-32020.743	-40138.034	-34819.275
158314.955	171632.021	121199.085	99264.8386	123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361

160802.785	162757.559	202005.792	276874.333	260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191
524.833886	559.258508	832.122374	1145.09745	996.574202	839.393936	871.662575	645.546013	1181.39888	1208.16673	1063.31176
1986.44577	2010.59369	2495.43907	3420.31294	3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504
91288.235	86287.5514	89098.6593	132239.231	116347.673	119702.682	172450.041	108882.862	157048.764	134007.257	116117.237
1986.44577	2010.59369	2495.43907	3420.31294	3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504
5.643311	5.711913	7.426901	10.179502	9.564458	8.732455	9.592349	6.790239	10.171073	10.863064	8.458054
-69514.55	-76470.008	-112907.13	-144635.1	-143797.95	-140433.69	-94964.725	-80414.899	-153504.23	-154411.46	-130903.95
-69514.55	-76470.008	-112907.13	-144635.1	-143797.95	-140433.69	-94964.725	-80414.899	-153504.23	-154411.46	-130903.95
1986.44577	2010.59369	2495.43907	3420.31294	3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504
160802.785	162757.559	202005.792	276874.333	260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191
69514.5502	76470.0081	112907.133	144635.101	143797.949	140433.686	94964.7246	80414.8987	153504.227	154411.46	130903.954
69514.5502	76470.0081	112907.133	144635.101	143797.949	140433.686	94964.7246	80414.8987	153504.227	154411.46	130903.954

107181.141	100984.811	82964.6175	81687.6695	87991.2145	112615.539	101913.071	95714.502	97411.322	76757.9813	81836.0997
160802.785	162757.559	202005.792	276874.333	260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191
160802.785	162757.559	202005.792	276874.333	260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191
1986.44577	2010.59369	2495.43907	3420.31294	3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504
160802.785	162757.559	202005.792	276874.333	260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191
160802.785	162757.559	202005.792	276874.333	260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191
1986.44577	2010.59369	2495.43907	3420.31294	3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504
91288.235	86287.5514	89098.6593	132239.231	116347.673	119702.682	172450.041	108882.862	157048.764	134007.257	116117.237
-69514.55	-76470.008	-112907.13	-144635.1	-143797.95	-140433.69	-94964.725	-80414.899	-153504.23	-154411.46	-130903.95
160802.785	162757.559	202005.792	276874.333	260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
2255.44968	2412.89438	3191.985	3712.063	3523.50754	3299.21175	3277.05089	3084.88746	4363.76862	4475.85477	4415.69224
14699.7272	14837.923	16453.3091	18671.1364	19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588
711355.819	656177.191	609262.659	710599.851	714952.807	824791.766	1122304.39	964783.21	985247.347	838863.811	842666.135
33.869344	28.850619	15.819273	18.241651	70.072513	32.372222	24.787325	29.326934	43.447727	11.565898	19.110093
1.01608	1.154024	1.107349	0.729666	0.700725	2.9135	0.495746	1.173077	0.434477	0.115658	8.026239
14699.7272	14837.923	16453.3091	18671.1364	19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588
41.760588	42.15319	48.968181	55.568858	57.445042	59.026417	61.598846	57.459318	63.816286	68.46824	60.843916
14655.0352	-50080.121	-168832.59	-187966.55	-205360.69	-200613.23	113463.847	56523.6979	-162965.5	-230377.46	-183603.41
14655.0352	-50080.121	-168832.59	-187966.55	-205360.69	-200613.23	113463.847	56523.6979	-162965.5	-230377.46	-183603.41
14699.7272	14837.923	16453.3091	18671.1364	19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
-14655.035	50080.1213	168832.587	187966.554	205360.69	200613.228	-113463.85	-56523.698	162965.496	230377.462	183603.411
-14655.035	50080.1213	168832.587	187966.554	205360.69	200613.228	-113463.85	-56523.698	162965.496	230377.462	183603.411
0.13	0.39	0.74	0.34	0.02	0.79	0.04	0.29	0.07	0.09	7.34
434223.008	413718.777	331858.47	317922.778	352357.628	457345.187	413465.352	393855.161	389645.288	307031.925	328039.518
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
14699.7272	14837.923	16453.3091	18671.1364	19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
14699.7272	14837.923	16453.3091	18671.1364	19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588
711355.819	656177.191	609262.659	710599.851	714952.807	824791.766	1122304.39	964783.21	985247.347	838863.811	842666.135
14655.0352	-50080.121	-168832.59	-187966.55	-205360.69	-200613.23	113463.847	56523.6979	-162965.5	-230377.46	-183603.41

696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
10.923765	11.054129	11.439155	11.094277	11.081774	11.049884	11.060025	11.02405	11.108727	11.065138	11.212427
0.487627	0.45215	0.341417	0.388619	0.386195	0.39093	0.479965	0.469061	0.415205	0.416656	0.334296
0.470615	0.435209	0.32227	0.374541	0.371302	0.372077	0.462664	0.450647	0.398659	0.400235	0.270604
5558987.22	4735774.04	3189670.15	3093161.04	3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33
3874088.9	3467828.5	2341627.29	2685415.22	2896964.1	3839309.3	3628460.08	3396403.86	3303047.24	2653349.95	2614544.51
12270.0193	11656.8203	9480.4173	11051.1481	11040.7196	12285.7517	11727.4228	11464.7947	12466.0311	11068.1728	11208.981
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3367655.55	3367655.55	3214580.3	3214580.3	3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75
0.034775	0.03385	0.036117	0.032946	0.035362	0.032129	0.033728	0.035665	0.03346	0.034065	0.035511
660306.173	613904.105	445410.24	506415.878	499357.843	545706.471	621735.911	603235.042	588513.827	511533.747	386293.06
1213385.6	1110754.88	831099.958	837909.018	795433.74	881611.392	1331104.96	1209082.95	1057993.46	882537.055	790762.692
3.117978	3.073738	3.053242	3.010805	3.000073	3.034631	3.279162	3.247357	3.11916	3.092671	3.281448
913427.128	853502.744	626341.371	749508.216	765181.752	844423.959	864225.71	866337.262	862637.432	757787.947	564346.268
78402.4928	55837.7306	17004.9215	6546.99123	7696.45202	22192.5572	48294.9901	38918.3533	15137.6746	7138.93583	26515.5966
124529.928	124338.576	116466.184	118856.38	118609.128	128595.133	118913.386	118535.693	129835.237	112846.859	104501.903
353.778204	353.23459	346.625547	353.739226	353.003357	349.443296	353.908886	352.7848	352.813144	352.646434	296.880406
129219.2	129219.2	123345.6	123345.6	123345.6	135092.8	123345.6	123345.6	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
60812.494	56237.464	39750.706	46198.012	45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314
308.524981	231.851747	228.510197	186.854123	199.19872	164.418083	236.981613	275.337012	229.857298	219.895957	190.104399
35.800254	35.61238	36.435466	34.919634	34.661207	34.952056	37.929561	37.420163	36.215037	35.81492	38.592186
2279094.1	2107994.55	1564947.32	1702399.03	1665864.56	1845095.41	2343030.8	2215788.96	2059294.33	1762371.66	1460455.47
3989302.92	3503510.11	3063890.56	2515464.66	2416359.84	2624033.3	4454601.27	3987774.41	3279191.9	2470926.41	2634842.48
110151.417	104244.655	82964.6175	81687.6695	88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062
1710208.82	1395515.56	1498943.24	813065.633	750495.272	778937.887	2111570.48	1771985.45	1219897.57	708554.746	1174387.01
4700658.74	4159687.3	3673153.22	3226064.51	3131312.64	3448825.07	5576905.67	4952557.62	4264439.25	3309790.22	3477508.61
1707.04	1570.98	1285.03	1230.99	1164.96	1265.26	1571.02	1642.58	1600.6	1354.33	994.74
157862.609	218124.378	354542.113	350829.33	237855.749	120277.682	393005.26	342431.556	419788.576	462316.109	317265.72
36.837524	33.866181	29.206429	29.370277	29.335245	29.911246	40.866255	38.383013	32.368546	29.784827	30.637446
1092637.83	910423.706	387068.849	471954.017	581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942
294.4	284.13	266.63	233.06	259.07	334.8	248.62	250.81	258.53	190.45	280.38

237.809253	229.806025	196.677139	167.176537	182.677154	233.717456	203.056281	203.498984	178.548244	149.685918	176.33869
7.23534	7.136902	6.591532	5.761507	5.717155	10.442036	8.523734	6.193773	5.5566	6.316127	6.435783
36,844	36,424	32,464	23,115	26,773	44,337	30,843	28,848	26,889	17,016	30,609
244159.177	343643.882	876926.175	613492.634	387644.965	160826.765	592009.969	508352.737	693564.748	695097.924	684127.618
2.687158	2.610295	2.536263	3.708994	2.859872	1.612958	3.696541	3.578036	3.947365	7.356256	2.469382
2,205	3,255	5,704	6,297	3,751	1,414	4,757	4,359	6,818	9,184	4,926
50.33796	42.058508	28.407887	33.061387	35.982408	38.921585	45.963772	48.584239	39.460241	36.214508	30.705962
50.271418	42.050572	28.397587	33.029771	35.944885	38.918882	45.934622	48.56135	39.41447	36.179474	30.626691
-34639.195	-33169.268	-26760.602	-16818.521	-23022.115	-42923.173	-26085.858	-24488.488	-20070.923	-7831.6984	-25683.433
-98.406805	-94.230875	-79.644649	-50.055122	-68.5182	-116.63906	-77.636481	-72.882406	-54.54055	-24.474057	-72.964299
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73306.9906	67820.1941	50500.4402	58572.2642	61349.129	70572.8273	73007.7851	70532.6617	70522.3884	59741.9415	51458.3637
2781451.08	2557404.79	1954558.45	2213461.2	2315946.34	2712268.19	2923374.47	2746153.96	2746254.48	2332827.41	2141069.57
7201778.92	6757994.15	5074139.8	5682642.26	6002856.04	7366299.43	6744099.33	6544574.43	6661863.23	5579973.23	5703835.49
8050257.57	7324773.97	4584282.47	5541103.64	6196228.84	8332513.78	6857174.97	6686471.59	6525091.25	5205397.84	5493182.81
		0.012987			0.011857					0.115702
930930.203	870793.116	675437.429	651899.999	702217.372	900001.875	880443.681	826513.839	797517.252	622898.518	584360.378
5.68	4.26	5.22	4.21	3.95	3.85	4.43	4.03	5.02	4.04	3.92
37754.8058	39187.7681	34450.8058	37077.7489	32860.7118	38376.5596	36543.8879	36037.8106	41974.361	36971.9187	29265.5946
12190942.9	11187890.1	8942295.52	9146335.95	9376548.85	11079746	12589852.9	11766134.2	11195684.1	9126262.28	9340237.64
8823287.38	7820234.52	5727715.22	5931755.65	6161968.55	7559015.23	9319963.14	8496244.48	7614376.29	6012081.6	5914638.89
2126812.72	1964257.63	1457441.33	1587417.23	1560615.49	1726035.35	2195330.67	2075420.21	1920630.89	1640325	1355108.96
75512.2212	71075.387	56204.0151	64869.1484	65100.0223	71986.7096	77764.9025	74891.7311	77340.3993	68926.2829	56384.3728
37754.8058	39187.7681	34450.8058	37077.7489	32860.7118	38376.5596	36543.8879	36037.8106	41974.361	36971.9187	29265.5946
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114526.57	104549.154	73055.1867	77904.0455	72388.3591	80683.5041	111156.242	104330.943	96689.0734	85074.743	76080.9146
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55
14699.7272	14837.923	16453.3091	18671.1364	19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588
711355.819	656177.191	609262.659	710599.851	714952.807	824791.766	1122304.39	964783.21	985247.347	838863.811	842666.135
14655.0352	-50080.121	-168832.59	-187966.55	-205360.69	-200613.23	113463.847	56523.6979	-162965.5	-230377.46	-183603.41
696700.784	706257.313	778095.247	898566.405	920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55

2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04
3425598.75	3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85	3503708.83	3344449.34
-3425598.8	-3114180.7	-3581307.8	-3114180.7	-3425598.8	-3269889.7	-3114180.7	-3503708.8	-3185189.8	-3503708.8	-3344449.3
-3425598.8	-3114180.7	-3581307.8	-3114180.7	-3425598.8	-3269889.7	-3114180.7	-3503708.8	-3185189.8	-3503708.8	-3344449.3
3425598.75	3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85	3503708.83	3344449.34
3425598.75	3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85	3503708.83	3344449.34
3425598.75	3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85	3503708.83	3344449.34

39.281743	49.530303	45.027153	37.961853	38.194773	38.039493	38.815903	55.328273	51.560763	42.534433	38.688433
24.248754	24.248638	24.248676	24.248735	24.248696	24.248735	24.248832	24.733767	24.733748	24.733729	24.733748
39.157368	49.405928	44.902778	37.837478	38.070398	37.915118	38.691528	55.203585	51.436075	42.409745	38.563745
39.253041	49.501601	44.998451	37.933151	38.166071	38.010791	38.787201	55.299499	51.531989	42.505659	38.659659
38.535494	48.784054	44.280904	37.215604	37.448524	37.293244	38.069654	54.580147	50.812637	41.786307	37.940307
38.812945	49.061505	44.558355	37.493055	37.725975	37.570695	38.347105	54.858296	51.090786	42.064456	38.218456
39.233907	49.482467	44.979317	37.914017	38.146937	37.991657	38.768067	55.280316	51.512806	42.486476	38.640476
39.272176	49.520736	45.017586	37.952286	38.185206	38.029926	38.806336	55.318682	51.551172	42.524842	38.678842

22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.789836	22.789836	22.789836	22.789836
1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.3	1.3	1.3	1.3
38.97559	49.22415	44.721	37.6557	37.88862	37.73334	38.50975	55.02135	51.25384	42.22751	38.38151
4.784481	4.793648	4.795085	4.806738	4.936133	5.757302	6.524638	6.488381	6.507021	5.78746	5.185703
30.42904	37.262167	34.26019	29.550966	29.717026	29.68194	30.263499	41.350178	38.840056	32.762538	30.148393
30.42904	37.262167	34.26019	29.550966	29.717026	29.68194	30.263499	41.350178	38.840056	32.762538	30.148393
0.27788	0.13894	0.13894	0.6947	0.13894			0.416819	0.55576	0.13894	
0.00058	0.001083	0.003043	0.01744	0.000277			0.014898	0.005349	0.003585	
0.00058	0.001083	0.003043	0.016555	0.000277			0.013308	0.005305	0.003585	
142.838899	917.292917	1079.87667	2982.42444	503.411293			683.753047	2396.10801		
0.367533	2.626679	3.430795	11.00661	2.201979			2.093221	7.601165		
4.6	7.8	25.2	119.2	2.2			105.4	38.2	28.4	
0.020312	0.031906	0.026847	0.034	0.021818	0.028928	0.032562	0.029318	0.029812	0.026079	0.02875
63.9124	108.3732	350.1288	1656.1648	30.5668			1464.4276	530.7508	394.5896	
1427.99327	2421.3799	7822.91968	37003.6518	682.953305			33374.0654	12095.7239	8992.63243	
0.474053	0.237026	0.237026	1.185133	0.237026			0.725302	0.967069	0.241767	
86.90169	147.35504	476.070129	2251.88728	41.561677			2031.01464	736.098284	547.256316	
7759.125	6970.275	8057.7	6955.2	7747.2	7341.3	6965.55	7687.8	6985.35	7713.45	7342.65
22.042968	21.782109	21.895923	21.735	22.00909	21.849107	21.767343	21.84034	21.829218	21.91321	21.853125
7920	7200	8280	7200	7920	7560	7200	7920	7200	7920	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
4.6	7.8	25.2	119.2	2.2			105.4	38.2	28.4	
6.738514	3.318936	3.305949	16.564617	3.305949			10.294017	13.651649	3.372015	
6.738514	3.318936	3.305949	16.564617	3.305949			10.294017	13.651649	3.372015	
1540.99537	2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956	9576.52475	
1642.16244	3305.86268	10929.1265	80147.5699	757.561365			47182.4558	15877.9312	13368.9628	
101.167075	717.092538	2598.13272	40679.8716	30.252381			11600.0825	2965.83562	3792.43807	

1642.16244	3305.86268	10929.1265	80147.5699	757.561365			47182.4558	15877.9312	13368.9628	
3.54	3.11	3.68	14.74	0.42			6.44	8.24	3.51	
1398.15647	1671.47722	7251.11714	36485.2739	223.897689			34898.6202	10515.9876	9576.52475	
1486.45472	2099.73608	9468.20477	76340.0175	226.940057			46189.1344	12855.4983	13368.9628	
0.366847	0.16751	0.195835	0.961501	0.135451			0.594118	0.763015	0.2	
4.167933	5.025327	21.933535	110.209255	0.677256			103.372272	31.101284	28.4	
330.594992	333.300078	333.987758	335.293927	335.724669			337.201575	343.768593		
3.305949	3.333	3.339877	16.764696	3.357246			6.744031	6.875371		
4.6	7.8	25.2	119.2	2.2			105.4	38.2	28.4	
0.013068	0.024375	0.068478	0.3725	0.00625			0.299431	0.119375	0.080681	
101.167075	717.092538	2598.13272	40679.8716	30.252381			11600.0825	2965.83562	3792.43807	
101.167075	717.092538	2598.13272	40679.8716	30.252381			11600.0825	2965.83562	3792.43807	
0.432066	2.774672	3.266464	8.990744	1.522743			2.027727	7.098715		
142.838899	917.292917	1079.87667	2982.42444	503.411293			683.753047	2396.10801		
0.1	0.06	0.26	0.78	0.05			0.47	0.52	0.22	
-101.16708	-717.09254	-2598.1327	-40679.872	-30.252381			-11600.083	-2965.8356	-3792.4381	
-1587.6218	-2816.8286	-12066.337	-117019.89	-257.19244			-57789.217	-15821.334	-17161.401	
	0.03	0.02	0.06	0.03				0.06		
72.2127	135.6829	397.6601	1524.298	24.9649			1669.7829	595.7923	411.1744	
0.02	0.01		0.06				0.04	0.03		
20.2584	10.1292		60.7752				41.3272	30.9954		
1540.99537	2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956	9576.52475	
1540.99537	2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956	9576.52475	
1514.89497	2568.73494	8298.98981	39255.5391	724.514983			35405.0801	12831.8222	9539.88875	
4.6	7.8	25.2	119.2	2.2			105.4	38.2	28.4	
20.2584	10.1292		60.7752				41.3272	30.9954		
1540.99537	2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956	9576.52475	
5.842	9.906	32.004	151.384	2.794			135.966	49.278	36.636	
4.99207	7.06425	5.46302	2.35475	4.42693	3.7676	2.91989	4.803689	5.74559	4.7095	4.80369
0.196346	0.297291	0.25327	0.138611	0.166945	0.12458	0.11386	0.218381	0.213965	0.166899	0.196066
0.191136	0.289281	0.245244	0.136218	0.161676	0.121755	0.111531	0.210568	0.207812	0.161818	0.190714
150525.507	281622.025	240277.304	73996.0725	190087.17	73036.9416	127059.869	225005.064	185601.791	79839.2888	42432.5523
515.446577	843.24365	766.118836	286.708388	766.778684	271.32936	392.158252	704.732562	603.128858	281.290232	168.942141
3902.24	5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857	3303.68	3716.64

0.034914	0.024843	0.027092	0.033281	0.032357	0.03375	0.023187	0.026903	0.032406	0.032443	0.031815
36755.1986	50571.1761	49303.7555	23813.3042	31090.0468	22349.2148	19497.5184	40491.9042	36329.083	31117.3619	35007.0322
180598.762	250210.374	243805.543	115303.616	162035.977	137510.946	132606.771	259183.776	235268.611	180537.216	186612.539
2.582884	3.636331	2.808138	1.21855	2.416283	2.370952	2.096417	2.893396	3.428848	2.810066	2.666618
25669.7938	47774.2184	40803.7211	12747.1566	30844.6137	10178.4931	16316.7846	30596.9299	24842.8517	11645.453	6697.22898
19703.18	18098.9	20765.74	17942.3	19755.38	18830.28	18129.64	19866.74	17958.54	19753.64	18867.98
55.974943	56.559062	56.428641	56.069687	56.123238	56.0425	56.655125	56.439602	56.120437	56.118295	56.154702
20416	18560	21344	18560	20416	19488	18560	20416	18560	20416	19488
58	58	58	58	58	58	58	58	58	58	58
3902.24	5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857	3303.68	3716.64
29.154921	41.042517	31.711066	13.717938	27.0607	25.983862	22.572239	32.097578	37.873149	31.101084	29.79371
29.154921	41.042517	31.711066	13.717938	27.0607	25.983862	22.572239	32.097578	37.873149	31.101084	29.79371
215590.468	298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199	210715.458	220498.962
375905.798	512231.027	496044.723	500618.998	302713.81	236559.269	214689.051	610875.921	502448.833	351569.773	321425.588
160315.33	214036.17	205435.625	362725.139	111064.331	77735.9764	63551.5419	312477.674	232031.634	140854.315	100926.626
375905.798	512231.027	496044.723	500618.998	302713.81	236559.269	214689.051	610875.921	502448.833	351569.773	321425.588
154.1	208.29	182.16	81.36	126.89	101.45	90.23	238.68	211.44	184.11	161.94
65064.9606	16572.8316	50331.7944	63897.7867	1562.30878	85786.3506	24077.6396	73393.1834	84815.4079	130876.169	178066.41
102227.21	25118.8518	86092.2905	230082.746	2671.14052	127418.782	34302.9588	151995.754	147897.279	216294.09	257579.251
13.779902	9.340898	11.971417	9.955997	2.508318	17.0722	6.633686	12.759085	16.832274	21.601911	26.144684
1176.9195	296.948481	902.434903	1174.875	26.057236	1292.14585	337.693358	1050.53342	1219.4746	2067.30108	3005.60603
57.114788	58.74065	57.548999	56.463742	62.766569	67.268757	76.670018	66.4312	64.3486	64.493232	60.008532
30.242205	44.044728	33.358132	14.10893	29.498999	26.854127	23.760843	33.130049	39.23044	32.202664	27.597726
3902.24	5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857	3303.68	3716.64
11.085909	16.778312	14.224184	7.900687	9.377215	7.061845	6.468812	12.212954	12.053125	9.385454	11.061428
160315.33	214036.17	205435.625	362725.139	111064.331	77735.9764	63551.5419	312477.674	232031.634	140854.315	100926.626
160315.33	214036.17	205435.625	362725.139	111064.331	77735.9764	63551.5419	312477.674	232031.634	140854.315	100926.626
2725.3205	5072.11152	4332.0651	1353.345	3274.72276	1080.63415	1732.32664	3248.42658	2637.5254	1236.37892	711.033971
150525.507	281622.025	240277.304	73996.0725	190087.17	73036.9416	127059.869	225005.064	185601.791	79839.2888	42432.5523
14.52	6.84	12.94	6.09	1.36	15.34	7.75	13.46	15.19	19.62	26.2
-160315.33	-214036.17	-205435.62	-362725.14	-111064.33	-77735.976	-63551.542	-312477.67	-232031.63	-140854.31	-100926.63
-262542.54	-239155.02	-291527.92	-592807.88	-113735.47	-205154.76	-97854.501	-464473.43	-379928.91	-357148.4	-358505.88
10.07	23.65	18.91	3.57	24.28	5.88	10.82	13.95	7.99	3.87	2.65
19256.6318	30927.7289	28035.0842	11206.9875	14151.868	10952.0871	11486.4851	23512.3364	20297.6099	15766.7201	15913.6043
0.73	0.66	0.69	0.3	0.65	0.52	0.32	0.56	0.43	0.52	0.45

339.815	307.23	321.195	139.65	302.575	242.06	148.96	265.8936	204.1683	246.9012	213.6645
215590.468	298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199	210715.458	220498.962
215590.468	298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199	210715.458	220498.962
180598.762	250210.374	243805.543	115303.616	162035.977	137510.946	132606.771	259183.776	235268.611	180537.216	186612.539
3902.24	5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857	3303.68	3716.64
339.815	307.23	321.195	139.65	302.575	242.06	148.96	265.8936	204.1683	246.9012	213.6645
215590.468	298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199	210715.458	220498.962
34651.8912	47677.2528	46482.36	22450.5936	29310.9264	21070.2864	18381.7776	38948.5776	34944.42	29931.3408	33672.7584
	0.01			0.01			0.06	0.27	0.3	
11.060517	10.880851	10.970913	11.344998		11.071703	11.054735	10.984571	10.979889	11.015706	11.034611
0.638087	0.717541	0.68458	0.515083		0.63344	0.651145	0.691771	0.686869	0.661415	0.648362
0.61555	0.689902	0.658754	0.37461		0.525735	0.629085	0.671797	0.660288	0.638384	0.621507
844598.62	861577.18	946698.686	464861.006		662698.351	791356.02	943828.113	839165.05	854951.405	700905.876
3139.3309	2701.18517	3163.42344	1825.31665		2463.84923	2494.1046	2998.79107	2778.32582	3144.36965	2858.32984
24050.808	24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432	24942.954	23179.728
0.037272	0.037843	0.037663	0.033218	0.031676	0.036309	0.033781	0.030795	0.039	0.034289	0.04244
262512.34	264650.864	291786.609	148536.247		213802.909	243419.68	284397.567	254168.067	271467.564	252490.583
327966.546	330696.679	364060.791	184906.355		267194.704	303636.243	369117.858	329923.835	352161.398	327192.363
3.099399	3.0994	3.099399	3.0994		3.0994	3.0994	3.1673	3.1673	3.1673	3.1673
485490.321	489445.308	539630.155	274702.936		395407.101	450180.357	531055.577	474608.031	506911.383	471475.665
37615.68	34175.79	39309.54	25834.14		30881.31	34320.09	37868.76	34134.72	37732.23	35713.14
106.862727	106.799343	106.819402	80.731687		91.90866	107.250281	107.581704	106.671	107.193835	106.289107
39072	35520	40848	35520	39072	37296	35520	39072	35520	39072	37296
111	111	111	111	111	111	111	111	111	111	111
24050.808	24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432	24942.954	23179.728
36.420439	35.740978	36.104711	37.350821		36.470236	36.306842	36.911773	36.940623	36.936423	37.095314
35.992698	35.434779	35.716065	36.878279		36.026674	35.975026	36.533795	36.51856	36.63631	36.695468
862750.088	868597.125	958768.762	487298.511		702771.947	798846.978	953260.524	853762.518	908423.621	846507.035
1207134.43	1442744.91	1483010.23	853950.251		934677.183	1075310.2	1856543.41	1514372.5	1322073.61	1116913.97
344384.339	574147.785	524241.473	366651.74		231905.236	276463.222	903282.883	660609.984	413649.992	270406.939
1207134.43	1442744.91	1483010.23	853950.251		934677.183	1075310.2	1856543.41	1514372.5	1322073.61	1116913.97
338.88	307.89	354.14	232.74		278.21	309.19	341.16	307.52	339.93	321.56
9985.12847	468.924662	3006.33579	17501.8041		33432.8362	670.718356	2017.6703	6175.78763	47522.1153	138094.879
16151.8379	664.079558	4628.22103	63610.7229		61465.4254	945.513939	4349.19718	12585.0287	87335.5779	237535.776

9.026323	3.114563	6.857146	6.812562		13.857168	2.480288	4.234862	7.703343	16.085046	28.037568
289.116597	13.738346	87.178255	513.208126		975.661696	19.56884	57.811397	176.362201	1353.97932	3938.07477
27.461657	31.898533	30.700588	15.215052		29.087763	33.481544	34.860746	33.563927	29.605665	26.835062
27.456074	31.897346	30.697296	15.209783		29.076375	33.480671	34.85955	33.560756	29.589384	26.791074
24050.808	24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432	24942.954	23179.728
68.326159	76.579162	73.121782	41.581725		58.356625	69.828468	74.569534	73.291975	70.860664	68.987285
207169.139	435814.779	371724.612	289011.844		120150.455	149227.755	754628.275	527756.335	271753.896	138430.111
207169.139	435814.779	371724.612	289011.844		120150.455	149227.755	754628.275	527756.335	271753.896	138430.111
23761.6914	24491.5937	26821.6377	12792.9439		18632.1643	22325.5412	26190.6646	23277.0698	23588.9747	19241.6532
844598.62	861577.18	946698.686	464861.006		662698.351	791356.02	943828.113	839165.05	854951.405	700905.876
4.32	0.32	1.62	3.48		17.11	0.83	2.3	5.53	18.68	26.55
-344384.34	-574147.79	-524241.47	-366651.74		-231905.24	-276463.22	-903282.88	-660609.98	-413649.99	-270406.94
-360536.18	-574811.86	-528869.69	-430262.46		-293370.66	-277408.74	-907632.08	-673195.01	-500985.57	-507942.71
254.79	210.01	253.05	186.29		201.83	263.57	254.27	224.34	237.27	185.92
			0.25	1	0.142857					
89066.6238	94925.1727	102907.941	57800.6199		71476.023	95262.5986	104566.59	89853.9599	89912.2995	76016.0523
0.91	0.73	1.01	0.55		0.74	0.76	0.81	0.92	0.65	0.82
8166.34	6551.02	9063.74	4935.7		6640.76	6820.24	7414.74	8421.68	5950.1	7506.28
999965.288	1006930.13	1111285.62	564938.407		814526.728	926082.445	1101915.13	986616.166	1050319.72	978483.863
999965.288	1006930.13	1111285.62	564938.407		814526.728	926082.445	1101915.13	986616.166	1050319.72	978483.863
813456.866	820141.987	903690.946	459609.291		662601.804	753816.6	900173.435	804531.866	859072.781	798668.028
24050.808	24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432	24942.954	23179.728
8166.34	6551.02	9063.74	4935.7		6640.76	6820.24	7414.74	8421.68	5950.1	7506.28
999965.288	1006930.13	1111285.62	564938.407		814526.728	926082.445	1101915.13	986616.166	1050319.72	978483.863
41126.8817	41904.1177	46014.0754	22753.5199		33529.3825	38210.1381	45672.3482	40808.9717	43400.74	40332.7267
6.45	0.71	3.16	4.41		13.64	1.28	2.25	4.44	21.3	38.19

0.3	0.15	0.15	0.75	0.15			0.45	0.6	0.15	
0.000372	0.000968	0.002663	0.017093	0.000085			0.015597	0.004312	0.003409	
0.000369	0.000968	0.002663	0.017093	0.000085			0.014573	0.004312	0.003409	
10.666204	44.929563	118.371571	334.939892	22.102579			27.649331	261.108753		
0.027097	0.129834	0.371888	1.209564	0.095532			0.085343	0.804597		
0.39	0.93	2.94	16.41	0.09			15.39	4.14	3.6	
0.034034	0.034406	0.025923	0.025937	0.026107	0.033273	0.035937	0.025312	0.021093	0.031448	0.031636
5.85	13.95	44.1	246.15	1.35			230.85	62.1	54	

130.706414	311.684527	985.325279	5499.72376	30.163018			5261.03374	1415.24884	1230.65117	
0.474053	0.237026	0.237026	1.185133	0.237026			0.725302	0.967069	0.241767	
7.954245	18.967815	59.962769	334.690154	1.835595			320.165865	86.12649	74.8926	
1020.06	926.97	1075.38	935.1	1028.43	974.46	925.5	1029.27	939.75	1022.79	976.11
2.897897	2.896781	2.922228	2.922187	2.921676	2.900178	2.892187	2.924062	2.936718	2.905653	2.905089
1056	960	1104	960	1056	1008	960	1056	960	1056	1008
3	3	3	3	3	3	3	3	3	3	3
0.39	0.93	2.94	16.41	0.09			15.39	4.14	3.6	
7.110803	3.555401	3.555401	17.777007	3.555401			10.879531	14.506041	3.62651	
7.110803	3.555401	3.555401	17.777007	3.555401			10.879531	14.506041	3.62651	
138.660659	330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533	1305.54377	
142.937929	413.87122	1349.31181	11882.3861	32.485889			7213.04635	1829.08217	1772.21914	
4.277269	83.218877	304.023758	6047.97216	0.487275			1631.84675	327.706841	466.675372	
142.937929	413.87122	1349.31181	11882.3861	32.485889			7213.04635	1829.08217	1772.21914	
0.13	0.31	0.98	5.47	0.03			5.13	1.38	1.2	
127.994455	285.722779	926.916478	5499.47402	9.896034			5553.55027	1240.26658	1305.54377	
132.269835	361.184929	1187.91914	11462.6506	10.06278			7166.64214	1505.74168	1772.21914	
0.06	0.027711	0.029966	0.149262	0.027833			0.089946	0.12	0.03	
0.36	0.80363	2.607065	15.46794	0.027833			15.313757	3.42	3.6	
	355.540153	355.540153	355.540153	355.540153			362.651046			
	3.555401	3.555401	3.555401	3.555401			3.62651			
0.39	0.93	2.94	16.41	0.09			15.39	4.14	3.6	
0.001107	0.002906	0.007989	0.051281	0.000255			0.043721	0.012937	0.010227	
4.277269	83.218877	304.023758	6047.97216	0.487275			1631.84675	327.706841	466.675372	
4.277269	83.218877	304.023758	6047.97216	0.487275			1631.84675	327.706841	466.675372	
0.03	0.126369	0.332934	0.942059	0.062166			0.076242	0.72		
10.666204	44.929563	118.371571	334.939892	22.102579			27.649331	261.108753		
-4.277269	-83.218877	-304.02376	-6047.9722	-0.487275			-1631.8468	-327.70684	-466.67537	
-136.54711	-444.40381	-1491.9429	-17510.623	-10.550055			-8798.4889	-1833.4485	-2238.8945	
42.823	107.8691	311.6814	1394.0148	6.8769			1627.2928	433.1309	349.6875	
0.08	0.1	0.22	0.84	0.02			0.44	0.46	0.38	
138.660659	330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533	1305.54377	
138.660659	330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533	1305.54377	

138.660659	330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533	1305.54377	
0.39	0.93	2.94	16.41	0.09			15.39	4.14	3.6	
138.660659	330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533	1305.54377	
11.610659	11.349247	11.483739	12.247507	11.542033	11.63961	11.593847	11.520033	11.547381	11.551771	11.607641
0.698451	0.798204	0.762362	0.520083	0.72437	0.713598	0.71919	0.754062	0.740458	0.730909	0.709597
0.333754	0.770441	0.724603	0.468638	0.689838	0.679115	0.620856	0.718705	0.702991	0.696567	0.673821
141055.61	292614.493	318026.74	187674.308	291678.361	274460.826	238091.38	309090.11	275044.053	300062.439	277949.76
491.878015	921.125173	1067.88332	752.499547	1186.15244	1030.78557	748.362867	981.980088	911.528874	1107.10288	1138.85095
5051.71	10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16	10543.24	9735.38
0.044659	0.036187	0.049701	0.055812	0.048238	0.048541	0.044031	0.048238	0.052	0.048778	0.052202
57614.0338	119340.159	129768.717	76865.5249	118981.966	112062.889	97211.0742	123275.801	109802.367	119951.242	111042.243
71825.0347	149059.734	161995.742	95633.9068	148696.621	139818.613	121258.472	160281.975	142518.241	155314.573	143980.601
2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.4074	2.4074	2.4074	2.4074
63623.1775	131787.338	143303.594	84882.5991	131391.785	123751.048	107350.189	136515.623	121595.141	132834.005	122968.179
7219.7	13262.06	15037.53	12347.02	14405.86	13746.67	11864.56	14405.86	13044.48	14397.69	13693.78
20.510511	41.443937	40.862853	38.584437	40.925738	40.912708	37.07675	40.925738	40.764	40.902528	40.755297
15136	13760	15824	13760	15136	14448	13760	15136	13760	15136	14448
43	43	43	43	43	43	43	43	43	43	43
5051.71	10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16	10543.24	9735.38
29.120958	28.254531	28.658989	30.904144	28.7718	28.996465	28.932659	29.367724	29.564464	29.472477	29.862892
28.449813	27.83153	28.150998	29.954553	28.282282	28.512212	28.410233	28.865883	28.930777	28.952015	29.081717
143674.526	296609.449	323175.795	192379.478	296250.366	278544.559	241731.228	313708.283	279933.883	304861.717	284197.876
248925.447	585049.492	593115.488	395632.312	463240.048	438439.23	390274.598	713259.053	594795.255	522145.519	445091.345
105250.921	288440.043	269939.694	203252.834	166989.682	159894.671	148543.369	399550.771	314861.372	217283.802	160893.469
248925.447	585049.492	593115.488	395632.312	463240.048	438439.23	390274.598	713259.053	594795.255	522145.519	445091.345
167.9	308.42	349.4	287.14	335.02	319.29	275.92	335.02	303.36	334.83	318.46
29.845094	35.18422	33.609944	12.166521	30.424303	30.947835	30.634058	27.256162	41.869123	32.05371	31.022074
5.969018	8.09237	7.394187	5.83993	28.294601	13.926526	5.820471	5.451232	8.792515	9.616113	8.065739
5051.71	10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16	10543.24	9735.38
14.351448	33.129	31.157961	20.151468	29.663068	29.201964	26.696843	30.904346	30.228625	29.952386	28.974345

75136.0657	226060.942	202109.585	163075.224	104797.808	101319.399	97731.141	335114.509	257467.675	154585.288	102851.689
75136.0657	226060.942	202109.585	163075.224	104797.808	101319.399	97731.141	335114.509	257467.675	154585.288	102851.689
5051.71	10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16	10543.24	9735.38
141055.61	292614.493	318026.74	187674.308	291678.361	274460.826	238091.38	309090.11	275044.053	300062.439	277949.76
-105250.92	-288440.04	-269939.69	-203252.83	-166989.68	-159894.67	-148543.37	-399550.77	-314861.37	-217283.8	-160893.47
-105250.92	-288440.04	-269939.69	-203252.83	-166989.68	-159894.67	-148543.37	-399550.77	-314861.37	-217283.8	-160893.47
1.82	2.03	2.23	13.48	40.27	7.15	2.44	2.32	1.96	3.81	2.38
0.5			0.049999			0.099999				
45398.1796	94647.3369	100667.805	67703.2224	79642.0932	82378.1683	83286.7865	101573.18	87747.8679	87446.6068	74134.5037
0.59	0.9	1.16	1.06	1.03	0.92	0.82	1.02	1.08	1.06	1.38
2618.9156	3994.956	5149.0544	4705.1704	4572.0052	4083.7328	3639.8488	4618.1724	4889.8296	4799.2772	6248.1156
173789.381	358988.55	391005.903	232557.088	358442.239	337119.831	292543.457	378144.544	337327.58	367560.231	342239.656
173789.381	358988.55	391005.903	232557.088	358442.239	337119.831	292543.457	378144.544	337327.58	367560.231	342239.656
135448.212	280847.072	305299.336	180516.506	280088.407	263569.662	228608.661	296797.597	264113.382	288148.578	266948.781
5051.71	10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16	10543.24	9735.38
2618.9156	3994.956	5149.0544	4705.1704	4572.0052	4083.7328	3639.8488	4618.1724	4889.8296	4799.2772	6248.1156
173789.381	358988.55	391005.903	232557.088	358442.239	337119.831	292543.457	378144.544	337327.58	367560.231	342239.656
5607.3981	11767.4208	12727.4043	7157.8017	11589.954	10891.1646	9482.7189	12292.5129	10930.6708	11913.8612	11000.9794
0.3	0.15	0.15	0.75	0.15			0.45	0.6	0.15	
0.0004	0.000968	0.002548	0.017073	0.000098			0.015818	0.004144	0.003423	
0.00034	0.000968	0.002146	0.016125	0.000085			0.014772	0.004062	0.003238	
10.666204	11.761735	117.32825	305.056427	21.332409			5.641328	184.952033		
0.027097	0.033131	0.368607	1.08576	0.0921			0.017091	0.577013		
0.36	0.93	2.37	15.48	0.09			15.6	3.9	3.42	
0.038181	0.04175	0.021195	0.029062	0.027698	0.025029	0.032593	0.025767	0.028093	0.020056	0.02125
5.4	13.95	35.55	232.2	1.35			234	58.5	51.3	
120.652075	311.684527	794.292827	5188.03923	30.163018			5332.82172	1333.20543	1169.11861	
0.474053	0.237026	0.237026	1.185133	0.237026			0.725302	0.967069	0.241767	
7.34238	18.967815	48.337334	315.72234	1.835595			324.5346	81.13365	71.14797	
1015.68	919.92	1080.6	932.1	1026.75	982.77	928.71	1028.79	933.03	1034.82	986.58
2.885454	2.87475	2.936413	2.912812	2.916903	2.92491	2.902218	2.922698	2.915718	2.939829	2.93625
1056	960	1104	960	1056	1008	960	1056	960	1056	1008
3	3	3	3	3	3	3	3	3	3	3

0.36	0.93	2.37	15.48	0.09			15.6	3.9	3.42	
7.110803	3.555401	3.555401	17.777007	3.555401			10.879531	14.506041	3.62651	
7.110803	3.555401	3.555401	17.777007	3.555401			10.879531	14.506041	3.62651	
127.994455	330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908	1240.26658	
132.141262	413.87122	1087.20774	11016.997	32.485889			7256.09052	1730.91991	1687.10361	
4.146807	83.218877	244.577581	5513.23548	0.487275			1598.7342	316.58083	446.837032	
132.141262	413.87122	1087.20774	11016.997	32.485889			7256.09052	1730.91991	1687.10361	
0.12	0.31	0.79	5.16	0.03			5.2	1.3	1.14	
117.32825	318.890606	725.301912	5198.70514	10.666204			5651.71499	1229.38705	1240.26658	
121.473168	401.078141	927.095174	10634.2359	10.845928			7246.45981	1494.38827	1687.10361	
0.06	0.029897	0.03	0.149219	0.03			0.08995	0.12	0.03	
0.33	0.896918	2.04	14.621991	0.03			15.584444	3.39	3.42	
	355.540153		355.540153				362.651046	372.691097		
	3.555401		7.110803				3.62651	3.72691		
0.36	0.93	2.37	15.48	0.09			15.6	3.9	3.42	
0.001022	0.002906	0.00644	0.048375	0.000255			0.044318	0.012187	0.009715	
4.146807	83.218877	244.577581	5513.23548	0.487275			1598.7342	316.58083	446.837032	
4.146807	83.218877	244.577581	5513.23548	0.487275			1598.7342	316.58083	446.837032	
0.03	0.033081	0.33	0.858008	0.06			0.015555	0.51		
10.666204	11.761735	117.32825	305.056427	21.332409			5.641328	184.952033		
								0.01		
-4.146807	-83.218877	-244.57758	-5513.2355	-0.487275			-1598.7342	-316.58083	-446.83703	
-125.61998	-484.29702	-1171.6728	-16147.471	-11.333203			-8845.194	-1810.9691	-2133.9406	
								0.01		
40.2511	107.8691	254.0959	1312.4708	6.8769			1649.058	406.8692	333.847	
0.07	0.1	0.18	0.83	0.02			0.43	0.42	0.36	
127.994455	330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908	1240.26658	
127.994455	330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908	1240.26658	
127.994455	330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908	1240.26658	
0.36	0.93	2.37	15.48	0.09			15.6	3.9	3.42	
127.994455	330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908	1240.26658	

6.399919	9.543461	6.841618	3.14833	4.396918	3.534994	2.839429	5.262101	6.97883	5.532097	5.536507
0.115186	0.186934	0.152731	0.103529	0.084383	0.054259	0.050381	0.130381	0.130098	0.088759	0.097544
0.112187	0.181643	0.146461	0.10125	0.082909	0.052934	0.047225	0.12684	0.127118	0.085977	0.09425

44182.9287	128454.818	77921.6327	29063.3198	84675.6608	17262.2835	27010.4353	58788.5937	38739.2629	15775.8697	7543.28948
144.36161	373.071583	239.973312	112.811789	337.884527	64.726571	82.181921	181.945845	125.315194	54.737456	29.938532
1974.5	2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9	1513.2	1583.4
0.025511	0.029687	0.028736	0.039906	0.029446	0.028184	0.029984	0.031463	0.029718	0.029119	0.036279
28467.7	41868.7	38817.3	23492.4	20971.2	12750.5	10842.4	32219.6	29373.1	21752.4	22697.4
139602.657	208439.716	192870.397	113783.837	111684.032	79953.1367	73634.6016	204854.334	189364.187	125487.903	121647.988
2.20386	3.260489	2.336822	1.069028	1.606817	1.481461	1.342828	2.003293	2.668986	2.117288	2.049974
8922.80115	25760.8543	15693.2459	5968.77767	15901.3558	2731.76519	3847.67416	9235.32577	5966.56748	2792.5483	1393.72193
17206.8	15528.3	17932	15299.7	17124.5	16313.3	15457.1	17018.5	15551.8	17087.8	16152.7
48.882954	48.525937	48.72826	47.811562	48.649147	48.551488	48.303437	48.348011	48.599375	48.544886	48.073511
17600	16000	18400	16000	17600	16800	16000	17600	16000	17600	16800
50	50	50	50	50	50	50	50	50	50	50
1974.5	2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9	1513.2	1583.4
58.072463	82.546817	63.413402	28.481025	37.192884	32.454422	33.099278	51.982752	67.406649	50.520324	54.122317
31.866788	46.987594	33.464204	15.478726	22.905423	21.071746	19.20431	28.775385	38.265565	30.123558	29.262639
140210.753	209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976	125859.077	122073.433
234663.815	334345.343	307942.862	394958.169	170653.715	115458.222	97033.0284	412283.926	327938.457	204752.332	164262.264
94453.0622	124918.795	114403.78	280741.358	58565.8556	35282.6492	23107.3779	206583.887	137991.481	78893.2542	42188.8309
234663.815	334345.343	307942.862	394958.169	170653.715	115458.222	97033.0284	412283.926	327938.457	204752.332	164262.264
217.1	290.6	258.21	133.2	128.66	92.68	84.43	233.44	272.36	221.83	182.81
96027.8246	80971.7297	115617.45	85153.4914	27412.1985	62913.2892	46915.2152	146911.445	151207.713	110083.208	114530.143
154517.971	123814.495	185695.045	299744.579	41412.5641	90744.6617	61889.0732	303790.135	254001.607	178874.72	154028.198
8.39529	9.334751	8.625537	4.83714	3.374696	5.182198	3.606287	7.558797	10.143408	8.381565	8.923044
1346.40177	1096.24223	1590.00448	1201.28505	339.840291	696.132837	483.721164	1581.08865	1613.82286	1316.28787	1484.53406
83.099608	84.101785	81.597777	90.291228	83.220632	92.320535	105.453811	89.864414	93.054883	87.573016	78.582208
35.387517	55.347609	39.118168	17.123523	25.773111	20.25517	21.028043	31.349993	42.66876	27.138412	23.561288
1974.5	2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9	1513.2	1583.4
5.609375	9.082187	7.323097	5.0625	4.145454	2.646726	2.36125	6.342045	6.355937	4.298863	4.7125
94453.0622	124918.795	114403.78	280741.358	58565.8556	35282.6492	23107.3779	206583.887	137991.481	78893.2542	42188.8309
94453.0622	124918.795	114403.78	280741.358	58565.8556	35282.6492	23107.3779	206583.887	137991.481	78893.2542	42188.8309
628.098228	1810.05777	1104.89552	418.71495	1119.35971	193.167162	271.878835	651.311346	420.077137	196.912129	98.86594
44182.9287	128454.818	77921.6327	29063.3198	84675.6608	17262.2835	27010.4353	58788.5937	38739.2629	15775.8697	7543.28948
28.47	31.48	34.64	20.66	13.62	12.54	9.9	28.56	29.97	21.97	23.85
-94453.062	-124918.79	-114403.78	-280741.36	-58565.856	-35282.649	-23107.378	-206583.89	-137991.48	-78893.254	-42188.831
-248971.03	-248733.29	-300098.83	-580485.94	-99978.42	-126027.31	-84996.451	-510374.02	-391993.09	-257767.97	-196217.03

4.89	16.19	8.9	3.07	10.08	1.41	1.91	4.42	2.79	1.54	0.48
20274.8357	34445.8504	29455.5807	15663.7613	12430.4183	7955.06	8236.5682	25365.2574	22457.2932	14486.2058	13220.9091
0.39	0.71	0.28	0.12	0.26	0.16	0.27	0.6	0.25	0.19	0.28
258.973	487.087	207.802	89.058	174.211	95.309	179.289	430.325	196.434	127.106	197.631
140210.753	209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976	125859.077	122073.433
140210.753	209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976	125859.077	122073.433
139602.657	208439.716	192870.397	113783.837	111684.032	79953.1367	73634.6016	204854.334	189364.187	125487.903	121647.988
1974.5	2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9	1513.2	1583.4
258.973	487.087	207.802	89.058	174.211	95.309	179.289	430.325	196.434	127.106	197.631
140210.753	209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976	125859.077	122073.433
349.122999	499.745	460.882999	343.915999	229.616	127.127	111.76	415.38	386.355	244.068	227.814
							0.02	0.07	0.07	
0.3	0.15	0.15	0.75	0.15			0.45	0.6	0.15	
0.000369	0.000968	0.002663	0.017093	0.000095			0.015539	0.004326	0.003409	
0.000369	0.000968	0.002663	0.017093	0.000085			0.015539	0.00425	0.003409	
1.078658	14.221606	148.688778	376.821179	9.298219				333.638962		
0.00274	0.040032	0.465143	1.339575	0.040026				1.030364		
0.52	1.24	3.92	21.88	0.12			21.88	5.44	4.8	
0.03	0.043812	0.032608	0.022937	0.025909	0.036696	0.030437	0.033664	0.030343	0.031903	0.023303
7.8	18.6	58.8	328.2	1.8			328.2	81.6	72	
174.275219	415.579369	1313.76704	7332.96501	40.217358			7479.62431	1859.65065	1640.86822	
0.474053	0.237026	0.237026	1.185133	0.237026			0.725302	0.967069	0.241767	
10.60566	25.29042	79.95036	446.253539	2.44746			455.18058	113.17104	99.8568	
1365.76	1223.92	1424	1250.64	1371.52	1294.68	1241.04	1360.6	1241.16	1363.08	1312.68
3.88	3.82475	3.869565	3.90825	3.896363	3.853214	3.87825	3.86534	3.878625	3.872386	3.906785
1408	1280	1472	1280	1408	1344	1280	1408	1280	1408	1344
4	4	4	4	4	4	4	4	4	4	4
0.52	1.24	3.92	21.88	0.12			21.88	5.44	4.8	
7.110803	3.555401	3.555401	17.777007	3.555401			10.879531	14.506041	3.62651	
7.110803	3.555401	3.555401	17.777007	3.555401			10.879531	14.506041	3.62651	
184.880879	440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169	1740.72502	
190.583905	551.828293	1799.08241	15843.1814	43.314519			10193.8408	2408.89364	2362.95885	
5.703026	110.958503	405.365011	8063.96288	0.6497			2259.03591	436.071952	622.23383	
190.583905	551.828293	1799.08241	15843.1814	43.314519			10193.8408	2408.89364	2362.95885	

0.13	0.31	0.98	5.47	0.03			5.47	1.36	1.2	
183.802221	426.648183	1245.02862	7402.39737	33.366598			7934.80489	1639.18273	1740.72502	
189.505056	536.61059	1595.32538	15369.1275	33.963151			10193.8408	1992.67028	2362.95885	
0.079494	0.04	0.039346	0.199042	0.031282			0.12	0.16	0.04	
0.516966	1.2	3.501794	20.820144	0.093847			21.88	4.52	4.8	
355.540153	380.700898	465.677653	428.048999	355.540153				421.374522		
3.555401	3.807008	4.656776	17.121959	3.555401				12.641235		
0.52	1.24	3.92	21.88	0.12			21.88	5.44	4.8	
0.001477	0.003875	0.010652	0.068375	0.00034			0.062159	0.017	0.013636	
5.703026	110.958503	405.365011	8063.96288	0.6497			2259.03591	436.071952	622.23383	
5.703026	110.958503	405.365011	8063.96288	0.6497			2259.03591	436.071952	622.23383	
0.003033	0.04	0.418205	1.059855	0.026152				0.92		
1.078658	14.221606	148.688778	376.821179	9.298219				333.638962		
0.13	0.29	0.89	5.21	0.03			5.43	1.12	1.2	
-5.703026	-110.9585	-405.36501	-8063.9629	-0.6497			-2259.0359	-436.07195	-622.23383	
-195.20808	-647.56909	-2000.6904	-23433.09	-34.612852			-12452.877	-2428.7422	-2985.1927	
	0.01	0.09	0.24					0.22		
42.823	107.8691	311.6814	1394.0148	6.8769			1732.5895	426.2943	349.6875	
0.08	0.1	0.22	0.84	0.02			0.46	0.45	0.38	
184.880879	440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169	1740.72502	
184.880879	440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169	1740.72502	
184.880879	440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169	1740.72502	
0.52	1.24	3.92	21.88	0.12			21.88	5.44	4.8	
184.880879	440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169	1740.72502	

10.535898	10.313657	10.431097	10.958877	10.482198	10.559681	10.535894	10.429225	10.437831	10.471203	10.495875
0.520305	0.622913	0.579972	0.36089	0.527647	0.525811	0.542914	0.59054	0.589313	0.544809	0.540878
0.494887	0.589374	0.546719	0.340111	0.494233	0.50048	0.519989	0.561774	0.557388	0.514083	0.511883
332097.067	356068.294	380744.032	212388.233	331019.419	319639.611	316156.43	381834.763	344729.028	350988.85	333704.479
1229.65827	1110.56764	1267.15538	847.516597	1343.79987	1199.0624	996.184073	1213.28081	1140.98866	1291.73239	1364.40138
10208.14	11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158	10604.094	10078.786
0.051903	0.057468	0.062826	0.064375	0.063636	0.051398	0.047625	0.051875	0.057843	0.059715	0.053839
104949.07	112501.915	120362.518	67314.051	104611.174	101127.061	99900.0748	118098.828	106627.005	108603.091	103369.096
131122.924	140569.393	150207.231	83579.4152	130681.322	125976.287	124831.865	153241.556	138346.621	140821.375	133765.545
3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.1787	3.1787	3.1787	3.1787

195257.745	209309.813	223934.464	125237.792	194629.089	188146.897	185864.089	221872.268	200320.155	204032.628	194199.521
19556.578	17674.346	20209.968	17544.84	19314.56	18677.578	17858.936	19557.164	17667.314	19395.428	18629.526
55.55846	55.232331	54.918391	54.827625	54.870909	55.588029	55.809175	55.560125	55.210356	55.100647	55.445017
20627.2	18752	21564.8	18752	20627.2	19689.6	18752	20627.2	18752	20627.2	19689.6
58.6	58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
10208.14	11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158	10604.094	10078.786
36.849628	35.222662	36.183858	40.774803	36.541298	38.007547	37.340035	37.887617	37.041122	37.997749	37.244751
33.334687	32.64122	33.009015	34.655079	33.1634	33.406516	33.333169	33.734819	33.760656	33.873423	33.949546
356058.912	378016.392	405108.435	235947.731	356390.615	345415.487	340118.115	412026.49	368143.02	380579.947	356403.211
557239.888	689425.446	692562.956	535595.096	515299.302	506656.691	508471.304	866637.043	738396.374	618367.629	520786.983
201180.976	311409.053	287454.521	299647.365	158908.687	161241.204	168353.189	454610.553	370253.354	237787.682	164383.772
557239.888	689425.446	692562.956	535595.096	515299.302	506656.691	508471.304	866637.043	738396.374	618367.629	520786.983
333.73	301.61	344.88	299.4	329.6	318.73	304.76	333.74	301.49	330.98	317.39
0.159655			0.529821		1.962361				15.527262	106.282614
0.144622			0.795153		2.388493				15.937617	135.602453
0.004517			0.015059		0.054141				0.240577	2.402417
0.004517			0.015059		0.054141				0.415068	2.906099
30.032084	33.459485	33.16351	14.265535	29.490419	31.56577	35.887277	36.945076	35.961172	34.676044	30.930938
24.324525	26.098398	28.520618	13.409603	29.490419	31.249485	29.427567	29.556061	28.049714	29.104128	25.306203
10208.14	11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158	10604.094	10078.786
29.000397	34.537318	32.037739	19.930556	28.96209	29.328172	30.471406	32.91996	32.662993	30.125267	29.996386
146324.097	252604.302	224541.033	264462.311	104228.427	108382.089	116135.42	392880.296	314519.419	181020.846	110352.745
146324.097	252604.302	224541.033	264462.311	104228.427	108382.089	116135.42	392880.296	314519.419	181020.846	110352.745
10208.1355	11051.942	11789.888	6377.76294	10194.656	9854.21186	9750.85	11587.826	10452.158	10603.6789	10075.8799
332097.067	356068.294	380744.032	212388.233	331019.419	319639.611	316156.43	381834.763	344729.028	350988.85	333704.479
			0.01		0.01				0.02	0.05
-201180.98	-311409.05	-287454.52	-299647.37	-158908.69	-161241.2	-168353.19	-454610.55	-370253.35	-237787.68	-164383.77
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14.94	12.38	15.42	66.64	249.5	54.2	15.55	14.24	15.99	12.45	17.16
81794.4421	87371.1615	93395.4797	68306.1499	73362.6595	75973.0197	87272.4335	94387.9878	82765.2102	80345.6638	71042.6125
1.19	1.09	1.21	1.17	1.26	1.28	1.19	1.47	1.14	1.44	1.1
23961.6853	21948.0983	24364.4027	23558.9679	25371.1962	25773.9136	23961.6853	30191.7273	23413.9926	29575.5696	22592.449
410915.791	436821.143	468021.923	271132.785	411070.876	398274.602	392335.884	473756.748	423876.956	437346.782	410434.237
410915.791	436821.143	468021.923	271132.785	411070.876	398274.602	392335.884	473756.748	423876.956	437346.782	410434.237

326380.668	349879.206	374141.695	208817.207	325310.411	314123.184	310695.954	375113.824	338666.776	344854.002	327965.066
10208.14	11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158	10604.094	10078.786
23961.6853	21948.0983	24364.4027	23558.9679	25371.1962	25773.9136	23961.6853	30191.7273	23413.9926	29575.5696	22592.449
410915.791	436821.143	468021.923	271132.785	411070.876	398274.602	392335.884	473756.748	423876.956	437346.782	410434.237
5716.5584	6189.08752	6602.33728	3571.55568	5709.00736	5518.38896	5460.476	6720.93908	6062.25164	6150.37452	5845.69588
0.01					0.01				0.04	0.17
5.4	7.35	6.15	2.55	3.75	2.85	2.4	4.65	6.3	5.25	5.1
0.107185	0.173834	0.142674	0.099115	0.075921	0.048639	0.045969	0.121725	0.124723	0.08123	0.088348
0.10517	0.169406	0.136005	0.095218	0.07392	0.047886	0.045687	0.120056	0.11975	0.076363	0.087619
7652.70912	24615.1368	14058.5554	6073.80193	15214.6463	2906.90835	4613.70458	9608.69403	6813.91902	2501.89241	1097.66543
25.160588	70.582446	43.179618	23.30438	60.032859	10.906486	13.974132	29.665534	22.015615	8.612561	4.301899
518.28	758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48	376.32	412.16
0.027102	0.026406	0.034673	0.0405	0.033409	0.032083	0.021468	0.021704	0.031093	0.039715	0.029523
7774.2	11384.1	10510.5	6398.7	5464.2	3378.9	3070.2	8874.6	8047.2	5644.8	6182.4
38083.6471	56713.8613	52301.3001	31027.8968	29171.5877	21357.4027	20862.5253	56577.278	51958.1821	32687.3671	33156.7831
1.780248	2.412345	1.99623	0.822707	1.303679	1.1434	1.078559	1.699388	2.313516	1.886896	1.785203
1546.35641	4943.39164	2820.43149	1245.63837	2855.3504	468.7426	647.583742	1507.24315	1025.438	448.822048	201.770668
4794.44	4361.7	4973.36	4298.56	4763.36	4553.08	4383.82	4821.04	4340.7	4732.28	4565.12
13.620568	13.630312	13.514565	13.433	13.532272	13.550833	13.699437	13.696136	13.564687	13.443977	13.586666
4928	4480	5152	4480	4928	4704	4480	4928	4480	4928	4704
14	14	14	14	14	14	14	14	14	14	14
518.28	758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48	376.32	412.16
26.96866	36.636229	30.169986	12.429513	19.681124	17.478378	16.315698	25.870986	35.182826	28.528264	27.157846
26.96866	36.636229	30.169986	12.429513	19.681124	17.478378	16.315698	25.870986	35.182826	28.528264	27.157846
38220.1471	57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821	32823.8671	33293.2831
63611.093	89458.9409	81559.4258	108828.821	44387.8708	30563.1519	27076.095	113184.312	87954.2866	52953.0192	44472.3809
25390.946	32440.5796	29111.1257	77706.4246	15132.2831	9111.24927	6140.06977	56292.034	35817.6045	20129.1521	11179.0978
63611.093	89458.9409	81559.4258	108828.821	44387.8708	30563.1519	27076.095	113184.312	87954.2866	52953.0192	44472.3809
114.82	148.32	138.34	76.62	73.24	52.9	52.94	102.88	126.38	123.01	101.64
30567.4379	32403.2244	38389.7447	25048.5949	14040.9414	18544.9943	16322.3207	47283.5839	45322.7631	30321.9747	32195.6177
50200.5911	49777.2202	59334.8859	90109.4415	20693.8372	26505.441	21220.3884	96770.9862	74938.6298	49093.5867	43095.0984
4.820366	6.114198	5.349866	2.309198	2.781121	2.469102	2.132158	4.210929	5.62015	4.82149	4.728484
415.189572	429.380557	512.671233	343.537442	173.923306	194.010493	161.50775	491.157123	468.117466	346.39853	398.708622
77.199962	80.849807	76.856641	81.131625	80.806161	94.977052	107.077443	90.531827	96.590177	86.96328	83.699346

23.931988	39.527054	31.445993	13.792376	20.20154	16.961602	14.990842	26.180494	30.908856	19.131921	12.554901
518.28	758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48	376.32	412.16
1.472386	2.371687	1.904076	1.333062	1.034886	0.670416	0.639625	1.680795	1.6765	1.06909	1.226666
25390.946	32440.5796	29111.1257	77706.4246	15132.2831	9111.24927	6140.06977	56292.034	35817.6045	20129.1521	11179.0978
25390.946	32440.5796	29111.1257	77706.4246	15132.2831	9111.24927	6140.06977	56292.034	35817.6045	20129.1521	11179.0978
103.090427	329.559442	188.028766	83.042557	190.356693	31.249506	43.172249	100.482876	68.362533	29.921469	13.451377
7652.70912	24615.1368	14058.5554	6073.80193	15214.6463	2906.90835	4613.70458	9608.69403	6813.91902	2501.89241	1097.66543
8.49	10.37	12.18	3.57	5.47	5.44	4.81	8.23	8.48	8.43	11.5
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1.32	5.55	3.46	0.89	2.95	0.79	0.96	1.77	0.93	0.7	0.32
10686.2507	18262.6626	15593.5674	7842.6623	6446.4318	4295.7644	4728.798	13405.0865	11735.1284	7502.8947	7366.0489
0.13	0.29	0.14	0.09	0.08	0.09	0.07	0.3	0.17	0.13	0.13
136.5	304.5	147	94.5	84	94.5	73.5	315	178.5	136.5	136.5
38220.1471	57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821	32823.8671	33293.2831
38220.1471	57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821	32823.8671	33293.2831
38083.6471	56713.8613	52301.3001	31027.8968	29171.5877	21357.4027	20862.5253	56577.278	51958.1821	32687.3671	33156.7831
518.28	758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48	376.32	412.16
136.5	304.5	147	94.5	84	94.5	73.5	315	178.5	136.5	136.5
38220.1471	57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821	32823.8671	33293.2831
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11.062701	10.955825	11.043611	11.551682	11.094214	11.112064	11.065084	11.044704	11.051464	11.059292	11.083126
0.389207	0.48792	0.453305	0.297815	0.29763	0.376096	0.38938	0.448887	0.443382	0.41301	0.411698
0.353751	0.469931	0.435473	0.262872	0.199372	0.346678	0.371741	0.43334	0.426125	0.397183	0.394875
1520277.69	1945940.15	1979191.22	978055.983	913231.401	1350004.92	1504287.84	1928872.38	1693268.91	1604119.75	1363633.62
5546.26043	6022.60535	6552.37034	3862.79887	3697.07802	5040.65962	4726.96585	6112.59157	5591.31616	5887.84517	5564.76474
45711.548	55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81	51323.708	48706.094
0.033582	0.035818	0.034182	0.038085	0.033613	0.034761	0.032872	0.032409	0.034647	0.034788	0.035211
498155.504	600471.788	641037.978	348882.942	281153.654	465471.474	473940.948	609615.778	545079.773	559108.349	530788.754
891053.197	1139150.09	1176157.31	679259.406	583053.037	771811.089	776830.478	1254704.32	1104083.51	1000043.1	946355.82
3.164674	3.18033	3.131716	3.063857	2.972054	3.048899	3.086266	3.272042	3.276459	3.166789	3.157488
744484.047	830753.04	907532.534	488171.88	326068.555	707305.046	743394.635	892574.364	797539.857	844571.17	788643.366
36138.9514	78478.4644	59317.3985	19961.5726	49601.3199	13379.0009	20812.0425	41339.4989	31834.8572	14886.8234	8292.72158
117257.003	113142.181	129865.818	103339.6	86537.56	113595.428	112074.946	124644.524	112796.844	124233.208	118240.266

333.116485	353.569315	352.896244	322.93625	245.84534	338.08163	350.234206	354.103761	352.490137	352.93525	351.905553
129219.2	117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
45711.548	55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81	51323.708	48706.094
244.657994	273.428878	240.214169	233.553888	163.219963	179.390913	174.566752	257.051044	301.178611	228.807872	215.276833
36.684743	36.642867	36.274783	36.852611	34.334784	35.333534	35.605483	37.788453	37.845349	36.614863	36.626426
1758497.43	2111553.68	2235262.1	1257443.88	986467.877	1587182.76	1626695.51	2294741.6	2032140.91	1977126.75	1862973.8
2689588.29	3657940.59	3669400.42	2908473.78	1497160.59	2262353.75	2312854.28	4644629.1	3787752.53	3091053.13	2612952.53
931090.868	1546386.92	1434138.32	1651029.9	510692.716	675170.985	686158.77	2349887.5	1755611.62	1113926.38	749978.735
2689588.29	3657940.59	3669400.42	2908473.78	1497160.59	2262353.75	2312854.28	4644629.1	3787752.53	3091053.13	2612952.53
1330.45	1569.17	1633.56	1141.3	993.92	1163.26	1117.47	1607.16	1534.83	1541.74	1403.8
203472.793	133119.449	217493.689	246188.057	43293.2752	200679.433	87985.8938	323644.573	302146.496	332682.054	462993.332
325027.458	202773.256	348928.987	797354.315	65059.3537	306136.698	118357.934	627702.15	507270.843	550805.156	692373.926
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3233.00686	1844.23549	3122.37127	3394.04001	540.649772	3158.00501	1002.49111	3336.74107	3520.20842	5124.60187	8829.82958
39.775459	50.877767	43.862473	25.662647	39.827683	36.872194	39.378254	45.702898	48.88696	40.776566	36.03472
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45711.548	55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81	51323.708	48706.094
129.862352	172.511731	159.862402	96.500531	73.189818	127.26575	136.466406	159.079267	156.430656	145.805988	144.958613
708903.933	1286870.06	1150877.86	1498027.34	393820.582	451981.818	455893.305	2075066.37	1509630.34	852564.936	505929.101
708903.933	1286870.06	1150877.86	1498027.34	393820.582	451981.818	455893.305	2075066.37	1509630.34	852564.936	505929.101
42478.5411	53359.5185	55706.9927	27486.13	25222.1662	39603.287	42666.7589	52659.1609	46537.6016	46199.1061	39876.2644
1520277.69	1945940.15	1979191.22	978055.983	913231.401	1350004.92	1504287.84	1928872.38	1693268.91	1604119.75	1363633.62
56.03	49.36	62.53	39.8	20.53	50.44	23.29	58.45	60.82	70.14	88.15
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287.83	269.85	302.08	274.24	327.11	271.26	295.25	290.97	254.29	259.64	208.91
0.045454			0.027272	0.090909	0.012987	0.00909				
266675.074	361039.203	371330.577	234148.202	186079.066	253030.123	290273.67	369489.161	316719.156	296904.787	257693.731
4.19	4.69	5.11	5.86	3.34	3.71	3.43	6.13	5.35	5.11	4.16
35502.4873	33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999	40835.454	36894.6401
1980684.36	2371070.54	2518522.56	1410446.44	1103340.01	1810371.93	1856960.97	2569562.72	2278122.19	2238488.19	2107023.43
1980684.36	2371070.54	2518522.56	1410446.44	1103340.01	1810371.93	1856960.97	2569562.72	2278122.19	2238488.19	2107023.43
1635537.24	1969903.13	2083689.84	1167431.29	909121.592	1479116.14	1520225.11	2147278.69	1901623.36	1844614.27	1734999.19
45711.548	55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81	51323.708	48706.094

35502.4873	33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999	40835.454	36894.6401
1980684.36	2371070.54	2518522.56	1410446.44	1103340.01	1810371.93	1856960.97	2569562.72	2278122.19	2238488.19	2107023.43
87457.6944	108047.53	112319.064	56428.7709	46842.2978	71136.3494	71646.8706	104185.724	93181.9471	91677.0205	91079.9744
6.46	0.72	3.16	4.41	0.01	13.65	1.28	2.33	4.82	21.76	38.36

3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
765353.283	1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284	609725.548	382330.796
2800.187	3285.17323	3356.50956	1559.97273	4583.66564	2698.30453	3206.58487	2960.41079	2486.22237	2231.70812	1562.08067
-95210.929	-101755.99	-110201.94	-80525.564	-86833.626	-89627.461	-101579.63	-110878.62	-96661.985	-95531.881	-82135.134
95210.9291	101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849	95531.8808	82135.1343
765353.283	1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284	609725.548	382330.796
288.63	269.07	301.44	275.31	330.99	271	294.97	290.37	253.44	258.93	208.47
215.015374	245.7019	234.008121	209.210465	206.975159	196.157234	236.992749	218.134861	214.13524	185.913594	157.728541
106.772642	120.8566	116.602426	122.758879	123.507027	102.797624	129.532918	112.169559	108.948409	90.339749	78.789594
34358.3158	35009.6803	38958.5146	37349.8935	42008.0478	30764.814	40026.6687	36510.7751	30959.4998	26879.0454	19456.6441
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-270.48559	-317.98748	-299.46178	-251.64239	-246.68644	-266.7484	-317.43635	-314.99608	-302.0687	-271.39739	-244.4498
-3849837.2	-5174964.5	-5042814.4	-3087895.7	-3320258.1	-3417784.6	-3961512.3	-6153657.1	-5017991.1	-4107207.2	-3194102.5
-40.207453	-50.854239	-45.827322	-38.473327	-38.223919	-38.109829	-38.927349	-55.363914	-51.792912	-42.919705	-38.835846
-3849837.2	-5174964.5	-5042814.4	-3087895.7	-3320258.1	-3417784.6	-3961512.3	-6153657.1	-5017991.1	-4107207.2	-3194102.5
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
4615190.47	6226954.61	6058041.23	3482900.84	4458009.8	4138083.1	4984361.55	7091876.19	5773020.43	4716932.72	3576433.27
95210.9291	101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849	95531.8808	82135.1343
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48

3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
765353.283	1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284	609725.548	382330.796
2800.187	3285.17323	3356.50956	1559.97273	4583.66564	2698.30453	3206.58487	2960.41079	2486.22237	2231.70812	1562.08067
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95210.9291	101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849	95531.8808	82135.1343
765353.283	1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284	609725.548	382330.796
288.63	269.07	301.44	275.31	330.99	271	294.97	290.37	253.44	258.93	208.47

215.015374	245.7019	234.008121	209.210465	206.975159	196.157234	236.992749	218.134861	214.13524	185.913594	157.728541
106.772642	120.8566	116.602426	122.758879	123.507027	102.797624	129.532918	112.169559	108.948409	90.339749	78.789594
34358.3158	35009.6803	38958.5146	37349.8935	42008.0478	30764.814	40026.6687	36510.7751	30959.4998	26879.0454	19456.6441
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-3849837.2	-5174964.5	-5042814.4	-3087895.7	-3320258.1	-3417784.6	-3961512.3	-6153657.1	-5017991.1	-4107207.2	-3194102.5
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-3849837.2	-5174964.5	-5042814.4	-3087895.7	-3320258.1	-3417784.6	-3961512.3	-6153657.1	-5017991.1	-4107207.2	-3194102.5
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
4615190.47	6226954.61	6058041.23	3482900.84	4458009.8	4138083.1	4984361.55	7091876.19	5773020.43	4716932.72	3576433.27
95210.9291	101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849	95531.8808	82135.1343
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48

258640.497	180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266	335464.476	345273.017
973.205232	575.364421	691.130741	917.763882	1173.58561	1062.83027	866.554842	1035.49949	1016.88102	1241.72227	1417.04402
5895.61197	4120.99025	4666.65627	5205.01529	6572.79168	6437.05845	6247.64754	7125.00392	6708.22051	7348.61941	7563.48339
230356.452	202430.807	209034.545	193842.823	249999.79	244516.084	242152.453	391768.273	343522.856	311380.181	292360.187
5895.61197	4120.99025	4666.65627	5205.01529	6572.79168	6437.05845	6247.64754	7125.00392	6708.22051	7348.61941	7563.48339
16.748897	12.878094	12.681131	16.265672	18.672703	19.157912	19.523898	20.241488	20.963189	20.876759	22.510367
-28284.045	21642.9645	4308.33421	-34501.197	-38348.581	-37877.67	-31931.844	66511.8436	37292.5897	-24084.294	-52912.83
-28284.045	21642.9645	4308.33421	-34501.197	-38348.581	-37877.67	-31931.844	66511.8436	37292.5897	-24084.294	-52912.83
5895.61197	4120.99025	4666.65627	5205.01529	6572.79168	6437.05845	6247.64754	7125.00392	6708.22051	7348.61941	7563.48339
258640.497	180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266	335464.476	345273.017
28284.0446	-21642.964	-4308.3342	34501.1975	38348.5814	37877.67	31931.8443	-66511.844	-37292.59	24084.2944	52912.8296
28284.0446	-21642.964	-4308.3342	34501.1975	38348.5814	37877.67	31931.8443	-66511.844	-37292.59	24084.2944	52912.8296
95210.9291	101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849	95531.8808	82135.1343
258640.497	180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266	335464.476	345273.017

258640.497	180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266	335464.476	345273.017
5895.61197	4120.99025	4666.65627	5205.01529	6572.79168	6437.05845	6247.64754	7125.00392	6708.22051	7348.61941	7563.48339
258640.497	180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266	335464.476	345273.017
258640.497	180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266	335464.476	345273.017
5895.61197	4120.99025	4666.65627	5205.01529	6572.79168	6437.05845	6247.64754	7125.00392	6708.22051	7348.61941	7563.48339
230356.452	202430.807	209034.545	193842.823	249999.79	244516.084	242152.453	391768.273	343522.856	311380.181	292360.187
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258640.497	180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266	335464.476	345273.017
248943.673	174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823	322127.031	331897.692
936.787595	555.852366	667.27823	884.425406	1131.17214	1024.91504	835.565415	994.449374	976.735267	1192.35458	1362.11123
6610.29403	4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788	8255.43391	8505.83526
258192.335	227899.584	235130.868	217433.557	280592.441	274691.431	272035.669	440147.928	386063.629	349783.48	328725.147
26.393923	37.319758	31.077297	9.104461	28.649098	27.56699	34.744562	36.302429	24.193167	32.848281	31.863266
3.43121	0.746395	1.553864	1.18358	9.740693	2.205359	1.737228	1.089072	0.725795	1.970896	1.593163
6610.29403	4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788	8255.43391	8505.83526
18.779244	14.493682	14.262841	18.259005	20.964719	21.520646	21.929303	22.741876	23.557055	23.452937	25.314985
9248.66206	53233.3179	37463.8603	-2609.3745	2677.40558	2374.34011	7761.24191	127787.349	91920.806	27656.4491	-3172.5447
9248.66206	53233.3179	37463.8603	-2609.3745	2677.40558	2374.34011	7761.24191	127787.349	91920.806	27656.4491	-3172.5447
6610.29403	4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788	8255.43391	8505.83526
248943.673	174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823	322127.031	331897.692
-9248.6621	-53233.318	-37463.86	2609.37452	-2677.4056	-2374.3401	-7761.2419	-127787.35	-91920.806	-27656.449	3172.54469
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1.68	0.07	0.23	1.55	4.35	0.65	0.18	0.25	0.07	0.46	0.58
95210.9291	101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849	95531.8808	82135.1343
248943.673	174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823	322127.031	331897.692
248943.673	174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823	322127.031	331897.692
6610.29403	4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788	8255.43391	8505.83526
248943.673	174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823	322127.031	331897.692
248943.673	174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823	322127.031	331897.692
6610.29403	4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788	8255.43391	8505.83526
258192.335	227899.584	235130.868	217433.557	280592.441	274691.431	272035.669	440147.928	386063.629	349783.48	328725.147
9248.66206	53233.3179	37463.8603	-2609.3745	2677.40558	2374.34011	7761.24191	127787.349	91920.806	27656.4491	-3172.5447
248943.673	174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823	322127.031	331897.692

165796.711	144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186	167750.266	161811.744
623.612781	454.500398	602.140307	461.616977	426.675593	461.905172	458.811538	522.96783	447.282899	621.883527	666.444013
3236.32073	2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556	3274.45376	3158.53492
126122.939	142778.213	160330.094	83721.9607	75935.5478	91061.4861	112088.093	176863.116	132532.021	137250.838	122080.157
3236.32073	2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556	3274.45376	3158.53492
9.194092	8.787857	9.508563	7.037767	5.809523	7.123465	8.847347	9.116616	8.226392	9.302425	9.400401
-39673.772	-1286.4038	-18931.432	-31652.39	-28827.353	-31556.713	-32951.777	12463.5282	-2328.1644	-30499.428	-39731.587
-39673.772	-1286.4038	-18931.432	-31652.39	-28827.353	-31556.713	-32951.777	12463.5282	-2328.1644	-30499.428	-39731.587
3236.32073	2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556	3274.45376	3158.53492
165796.711	144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186	167750.266	161811.744
39673.772	1286.40383	18931.4318	31652.3899	28827.353	31556.7131	32951.7773	-12463.528	2328.16437	30499.4283	39731.5869
39673.772	1286.40383	18931.4318	31652.3899	28827.353	31556.7131	32951.7773	-12463.528	2328.16437	30499.4283	39731.5869
92200.9282	101755.992	107579.645	77004.7167	86833.6263	89627.461	101579.633	110878.619	96661.9849	93840.0997	82135.1343
165796.711	144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186	167750.266	161811.744
165796.711	144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186	167750.266	161811.744
3236.32073	2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556	3274.45376	3158.53492
165796.711	144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186	167750.266	161811.744
165796.711	144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186	167750.266	161811.744
3236.32073	2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556	3274.45376	3158.53492
126122.939	142778.213	160330.094	83721.9607	75935.5478	91061.4861	112088.093	176863.116	132532.021	137250.838	122080.157
-39673.772	-1286.4038	-18931.432	-31652.39	-28827.353	-31556.713	-32951.777	12463.5282	-2328.1644	-30499.428	-39731.587
165796.711	144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186	167750.266	161811.744

218364.213	150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001	304036.897	303964.614
825.80466	482.273681	597.503014	799.546645	1220.60223	1000.28966	734.864211	915.885194	647.417331	1125.45999	1249.54406
2631.8454	1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956	3575.22221	3574.37223
99934.8041	85715.8431	93059.5265	80580.0129	134083.774	122352.84	110214.294	180052.412	112000.773	149293.707	138979.118
2631.8454	1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956	3575.22221	3574.37223
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-118429.41	-64933.645	-82994.187	-117681.55	-165113.27	-142975.28	-121274.44	-106488.96	-82397.228	-154743.19	-164985.5
2631.8454	1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956	3575.22221	3574.37223
218364.213	150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001	304036.897	303964.614
118429.409	64933.645	82994.1875	117681.546	165113.268	142975.278	121274.437	106488.957	82397.2279	154743.189	164985.496
118429.409	64933.645	82994.1875	117681.546	165113.268	142975.278	121274.437	106488.957	82397.2279	154743.189	164985.496

95210.9291	98818.6924	110201.937	79861.3662	86833.6263	89426.9497	101579.633	109054.151	92708.7264	95531.8808	82135.1343
218364.213	150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001	304036.897	303964.614
218364.213	150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001	304036.897	303964.614
2631.8454	1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956	3575.22221	3574.37223
218364.213	150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001	304036.897	303964.614
218364.213	150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001	304036.897	303964.614
2631.8454	1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956	3575.22221	3574.37223
99934.8041	85715.8431	93059.5265	80580.0129	134083.774	122352.84	110214.294	180052.412	112000.773	149293.707	138979.118
-118429.41	-64933.645	-82994.187	-117681.55	-165113.27	-142975.28	-121274.44	-106488.96	-82397.228	-154743.19	-164985.5
218364.213	150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001	304036.897	303964.614
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
3359.41027	2067.99087	2558.05229	3063.35291	3952.03557	3549.94014	2895.79601	3468.80189	3088.31652	4181.42037	4695.14333
18374.0721	13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835	22453.7293	22802.2258
714606.531	658824.447	697555.034	575578.354	740611.552	732621.842	736490.509	1188831.73	974119.279	947708.207	882144.609
26.393923	37.319758	31.077297	9.104461	28.649098	27.56699	34.744562	36.302429	24.193167	32.848281	31.863266
3.43121	0.746395	1.553864	1.18358	9.740693	2.205359	1.737228	1.089072	0.725795	1.970896	1.593163
18374.0721	13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835	22453.7293	22802.2258
52.199068	41.833729	42.218558	49.029812	55.691512	57.319523	59.019391	61.672394	59.89026	63.789003	67.863767
-177138.56	8656.23355	-60153.425	-186444.51	-229611.8	-210035.32	-178396.82	100273.764	44488.0035	-181670.46	-260802.46
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18374.0721	13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835	22453.7293	22802.2258
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
177138.564	-8656.2336	60153.4247	186444.507	229611.797	210035.321	178396.817	-100273.76	-44488.003	181670.463	260802.458
177138.564	-8656.2336	60153.4247	186444.507	229611.797	210035.321	178396.817	-100273.76	-44488.003	181670.463	260802.458
1.68	0.07	0.23	1.55	4.35	0.65	0.18	0.25	0.07	0.46	0.58
377833.716	404086.669	438185.455	317917.21	347334.505	358309.333	406318.531	441690.007	382694.681	380435.742	328540.537
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
18374.0721	13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835	22453.7293	22802.2258
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
18374.0721	13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835	22453.7293	22802.2258
714606.531	658824.447	697555.034	575578.354	740611.552	732621.842	736490.509	1188831.73	974119.279	947708.207	882144.609
-177138.56	8656.23355	-60153.425	-186444.51	-229611.8	-210035.32	-178396.82	100273.764	44488.0035	-181670.46	-260802.46

891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
11.062701	10.955825	11.043611	11.551682	11.094214	11.112064	11.065084	11.044704	11.051464	11.059292	11.083126
0.389207	0.48792	0.453305	0.297815	0.29763	0.376096	0.38938	0.448887	0.443382	0.41301	0.411698
0.353751	0.469931	0.435473	0.262872	0.199372	0.346678	0.371741	0.43334	0.426125	0.397183	0.394875
3849837.19	5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15	4107207.17	3194102.48
3177376.07	3648098.42	3752126.46	2135083.99	3021206.45	3012960.56	3442024.39	3955649.46	3377929.47	3343223.96	2888911.49
11705.8577	11375.7694	12466.9322	8486.1245	12232.7792	11288.9043	10829.3467	12541.8042	11165.8551	12300.9737	11821.9887
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3425598.75	3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85	3503708.83	3344449.34
0.033582	0.035818	0.034182	0.038085	0.033613	0.034761	0.032872	0.032409	0.034647	0.034788	0.035211
498155.504	600471.788	641037.978	348882.942	281153.654	465471.474	473940.948	609615.778	545079.773	559108.349	530788.754
891053.197	1139150.09	1176157.31	679259.406	583053.037	771811.089	776830.478	1254704.32	1104083.51	1000043.1	946355.82
3.164674	3.18033	3.131716	3.063857	2.972054	3.048899	3.086266	3.272042	3.276459	3.166789	3.157488
744484.047	830753.04	907532.534	488171.88	326068.555	707305.046	743394.635	892574.364	797539.857	844571.17	788643.366
36138.9514	78478.4644	59317.3985	19961.5726	49601.3199	13379.0009	20812.0425	41339.4989	31834.8572	14886.8234	8292.72158
117257.003	113142.181	129865.818	103339.6	86537.56	113595.428	112074.946	124644.524	112796.844	124233.208	118240.266
333.116485	353.569315	352.896244	322.93625	245.84534	338.08163	350.234206	354.103761	352.490137	352.93525	351.905553
129219.2	117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
45711.548	55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81	51323.708	48706.094
244.657994	273.428878	240.214169	233.553888	163.219963	179.390913	174.566752	257.051044	301.178611	228.807872	215.276833
36.684743	36.642867	36.274783	36.852611	34.334784	35.333534	35.605483	37.788453	37.845349	36.614863	36.626426
1758497.43	2111553.68	2235262.1	1257443.88	986467.877	1587182.76	1626695.51	2294741.6	2032140.91	1977126.75	1862973.8
2689588.29	3657940.59	3669400.42	2908473.78	1497160.59	2262353.75	2312854.28	4644629.1	3787752.53	3091053.13	2612952.53
95210.9291	101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849	95531.8808	82135.1343
931090.868	1546386.92	1434138.32	1651029.9	510692.716	675170.985	686158.77	2349887.5	1755611.62	1113926.38	749978.735
3404194.82	4316765.04	4366955.45	3484052.14	2237772.15	2994975.59	3049344.78	5833460.82	4761871.81	4038761.34	3495097.14
1330.45	1569.17	1633.56	1141.3	993.92	1163.26	1117.47	1607.16	1534.83	1541.74	1403.8
203472.793	133119.449	217493.689	246188.057	43293.2752	200679.433	87985.8938	323644.573	302146.496	332682.054	462993.332
30.42904	37.262167	34.26019	29.550966	29.717026	29.68194	30.263499	41.350178	38.840056	32.762538	30.148393
765353.283	1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284	609725.548	382330.796
288.63	269.07	301.44	275.31	330.99	271	294.97	290.37	253.44	258.93	208.47

215.015374	245.7019	234.008121	209.210465	206.975159	196.157234	236.992749	218.134861	214.13524	185.913594	157.728541
6.67329	7.553537	7.287651	7.672429	8.233801	8.566468	10.794409	7.010597	6.809275	5.646234	6.565799
34,358	35,010	38,959	37,350	42,008	30,765	40,027	36,511	30,959	26,879	19,457
325027.458	202773.256	348928.987	797354.315	65059.3537	306136.698	118357.934	627702.15	507270.843	550805.156	692373.926
2.811752	2.344017	2.60779	1.889132	0.81756	3.651417	1.538225	2.32603	3.22535	3.738259	6.596603
3,233	1,844	3,122	3,394	541	3,158	1,002	3,337	3,520	5,125	8,830
39.478209	50.819913	43.734597	25.567226	39.605548	36.864383	39.314894	45.599809	48.86813	40.774101	36.087683
39.358811	50.751715	43.701513	25.555301	39.599568	36.805277	39.297493	45.534765	48.82668	40.742577	36.037969
-31125.309	-33165.445	-35836.143	-33955.853	-41467.398	-27606.809	-39024.178	-33174.034	-27439.291	-21754.444	-10626.815
-88.424173	-103.64201	-97.380824	-106.11204	-117.80511	-82.163122	-121.95055	-94.244414	-85.747785	-61.802396	-31.627424
-6743670.6	-6993618.9	-7533397.8	-4890493.5	-6581648.1	-6445727.8	-6798196.5	-7482025.8	-6649062.6	-6940021.5	-6293425.2
-70.881475	-68.758901	-68.375621	-60.651834	-75.787064	-71.923619	-66.923127	-67.484433	-68.798546	-72.664931	-76.649039
-6743670.6	-6993618.9	-7533397.8	-4890493.5	-6581648.1	-6445727.8	-6798196.5	-7482025.8	-6649062.6	-6940021.5	-6293425.2
60852.6133	66746.3118	71243.4221	43175.67	44825.5785	58862.647	61552.964	74367.8437	65702.4851	68652.8354	62678.4902
2412022.79	2596108.37	2736899.67	1740078.84	1883454.75	2292662.08	2419175.16	3017430.35	2622900.19	2733498.42	2506580.69
6521483.64	6734102.08	7250137.33	4737490.98	6464775.93	6222538.68	6567931.06	7207204.65	6403081.37	6678660.09	6049375.54
6961809.47	7583318.88	7916435.14	4335141.82	7537468.28	6636700.46	7472422.35	7517721.61	6650839.81	6737580.48	5739332.41
0.045454			0.027272	0.090909	0.012987	0.00909				
739719.718	866881.864	919717.968	632590.975	620247.198	700966.916	798171.833	922057.787	796075.822	772872.41	668369.402
4.19	4.69	5.11	5.86	3.34	3.71	3.43	6.13	5.35	5.11	4.16
35502.4873	33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999	40835.454	36894.6401
10147865.4	11310384	11900353.2	8374545.68	8819420.21	9440703.44	9847541.31	13315486.6	11410934.5	10978782.9	9788522.32
6722266.65	8196203.3	8319045.46	5260364.99	5393821.46	6170813.72	6733360.63	9811777.77	8225744.61	7475074.04	6444072.98
1635537.24	1969903.13	2083689.84	1167431.29	909121.592	1479116.14	1520225.11	2147278.69	1901623.36	1844614.27	1734999.19
64085.6201	68590.5473	74365.7934	46569.71	45366.2283	62020.652	62555.4552	77704.5848	69222.6935	73777.4373	71508.3198
35502.4873	33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999	40835.454	36894.6401
6722266.65	8196203.3	8319045.46	5260364.99	5393821.46	6170813.72	6733360.63	9811777.77	8225744.61	7475074.04	6444072.98
87457.6944	108047.53	112319.064	56428.7709	46842.2978	71136.3494	71646.8706	104185.724	93181.9471	91677.0205	91079.9744
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07
18374.0721	13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835	22453.7293	22802.2258
714606.531	658824.447	697555.034	575578.354	740611.552	732621.842	736490.509	1188831.73	974119.279	947708.207	882144.609
-177138.56	8656.23355	-60153.425	-186444.51	-229611.8	-210035.32	-178396.82	100273.764	44488.0035	-181670.46	-260802.46
891745.094	650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276	1129378.67	1142947.07

2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03
3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33	3344449.34	3185189.85	3573783.01	3248893.65	3411338.33
-3503708.8	-3344449.3	-3344449.3	-3662968.3	-3025930.4	-3662968.3	-3344449.3	-3185189.8	-3573783	-3248893.6	-3411338.3
-3503708.8	-3344449.3	-3344449.3	-3662968.3	-3025930.4	-3662968.3	-3344449.3	-3185189.8	-3573783	-3248893.6	-3411338.3
3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33	3344449.34	3185189.85	3573783.01	3248893.65	3411338.33
3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33	3344449.34	3185189.85	3573783.01	3248893.65	3411338.33
3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33	3344449.34	3185189.85	3573783.01	3248893.65	3411338.33

40.022763	39.708803	50.069453	45.517043	38.374473	38.609943	38.452963	39.237863	56.261013	52.429663	43.250383
24.733786	24.733748	24.733634	24.733653	24.73371	24.733786	24.73371	24.733748	25.228553	25.228422	25.228516
39.898075	39.584115	49.944765	45.392355	38.249785	38.485255	38.328275	39.113175	56.136151	52.304801	43.125521
39.993989	39.680029	50.040679	45.488269	38.345699	38.581169	38.424189	39.209089	56.232199	52.400849	43.221569
39.274637	38.960677	49.321327	44.768917	37.626347	37.861817	37.704837	38.489737	55.511838	51.680489	42.501209
39.552786	39.238826	49.599476	45.047066	37.904496	38.139966	37.982986	38.767886	55.790378	51.959028	42.779748
39.974806	39.660846	50.021496	45.469086	38.326516	38.561986	38.405006	39.189906	56.212989	52.381639	43.202359
40.013172	39.699212	50.059862	45.507452	38.364882	38.600352	38.443372	39.228272	56.251408	52.420058	43.240778

22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	23.245633	23.245633	23.245633
1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.35	1.35	1.35
39.71584	39.40188	49.76253	45.21012	38.06755	38.30302	38.14604	38.93094	55.95366	52.12231	42.94303
4.860083	4.830814	4.848492	4.844304	4.858206	4.982952	5.835707	6.578011	6.566008	6.617579	5.869184
31.010814	30.799065	37.707629	34.672342	29.911792	30.079173	30.045577	30.630705	42.061653	39.511706	33.329827
31.010814	30.799065	37.707629	34.672342	29.911792	30.079173	30.045577	30.630705	42.061653	39.511706	33.329827
0.27788	0.27788	0.27788		0.55576			0.13894	0.27788	0.6947	0.13894
0.014292	0.001534	0.001084		0.010253			0.000662	0.010378	0.005513	0.000449
0.014292	0.001534	0.001084		0.009707			0.000611	0.010378	0.005388	0.000449
14068.2347	472.082205	1101.59866		166.149122			609.637759	3357.97455	470.032943	
58.69034	1.36743	3.204969		0.653444			1.756946	10.391039	1.416117	
113.2	11.6	8.2		66.4			4.4	82.2	38.8	3.4
0.032869	0.034821	0.0225	0.025896	0.046052	0.027173	0.035892	0.029062	0.022187	0.033031	0.033214
1572.8008	161.1704	113.9308		922.561599			61.1336	1142.0868	539.0872	47.2396
35843.8729	3673.04705	2596.46429		21025.0279			1393.22474	26548.5308	12531.4233	1098.11441
0.483534	0.483534	0.483534		0.967069			0.241767	0.493206	1.233016	0.246603
2181.31743	223.527227	158.010626		1279.50068			84.786189	1615.7102	762.646661	66.829862
7659.675	7296.75	7389.9	8065.575	6525	8055	7288.65	6990.75	7744.275	6962.175	7308.9
21.76044	21.716517	21.99375	21.917323	21.463815	21.888586	21.69241	21.846093	22.000781	21.756796	21.752678
7920	7560	7560	8280	6840	8280	7560	7200	7920	7200	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
113.2	11.6	8.2		66.4			4.4	82.2	38.8	3.4
6.747688	6.744031	6.762481		13.564588			3.418978	6.885277	17.426014	3.470501
6.747688	6.744031	6.762481		13.564588			3.418978	6.885277	17.426014	3.470501
38191.882	3911.53828	2775.38472		22431.5118			1504.35053	28293.8218	13387.4395	1179.97067
63440.2143	4330.54172	3168.28886		35839.8464			1666.76186	37921.4918	15976.4957	1387.34571
25248.3323	419.00344	392.904138		13408.3346			162.411327	9627.67003	2589.05614	207.375035

63440.2143	4330.54172	3168.28886		35839.8464			1666.76186	37921.4918	15976.4957	1387.34571
7.01	6.68	5.11		9.2			2.51	6.56	7.56	1.32
24123.6473	3439.45607	1673.78606		22265.3627			894.712773	24935.8472	12917.4066	1179.97067
39135.0032	3804.38886	1928.02579		35651.786			990.351555	32950.8868	15460.5253	1387.34571
0.3855	0.4	0.349013		0.798479			0.18712	0.390747	0.985054	0.2
71.510326	10.2	4.96074		65.90727			2.61969	72.476601	37.433429	3.4
340.078238	349.950171	345.898811		338.852782			362.890718	371.861482	344.443099	
6.801564	3.499501	6.901328		3.388527			3.61796	7.209649	6.888861	
113.2	11.6	8.2		66.4			4.4	82.2	38.8	3.4
0.32159	0.034523	0.024404		0.218421			0.01375	0.233522	0.12125	0.010119
25248.3323	419.00344	392.904138		13408.3346			162.411327	9627.67003	2589.05614	207.375035
25248.3323	419.00344	392.904138		13408.3346			162.411327	9627.67003	2589.05614	207.375035
41.689673	1.4	3.239259		0.492729			1.780309	9.723398	1.36657	
14068.2347	472.082205	1101.59866		166.149122			609.637759	3357.97455	470.032943	
0.24	0.19	0.12		0.54			0.05	0.53	0.57	0.05
-25248.332	-419.00344	-392.90414		-13408.335			-162.41133	-9627.67	-2589.0561	-207.37504
-64383.335	-4223.3923	-2320.9299		-49060.121			-1152.7629	-42578.557	-18049.581	-1594.7207
0.08	0.02	0.04		0.01			0.03	0.02	0.01	
1349.0724	168.7127	138.8665		854.9578			75.1756	1315.2842	608.9954	49.7413
0.02		0.01		0.04			0.02	0.02	0.04	0.01
20.6636		10.3318		41.3272			20.6636	21.0768	42.1536	10.5384
38191.882	3911.53828	2775.38472		22431.5118			1504.35053	28293.8218	13387.4395	1179.97067
38191.882	3911.53828	2775.38472		22431.5118			1504.35053	28293.8218	13387.4395	1179.97067
38025.1904	3896.57428	2754.47492		22304.5286			1478.01093	28164.241	13294.0699	1164.94427
113.2	11.6	8.2		66.4			4.4	82.2	38.8	3.4
20.6636		10.3318		41.3272			20.6636	21.0768	42.1536	10.5384
38191.882	3911.53828	2775.38472		22431.5118			1504.35053	28293.8218	13387.4395	1179.97067
146.028	14.964	10.578		85.656			5.676	108.504	51.216	4.488
2.63732	5.27464	6.87587	5.08626	3.10827	4.52112	3.39084	3.20246	4.992069	5.6514	5.08626
0.179296	0.203089	0.295493	0.255095	0.172897	0.189175	0.146203	0.106701	0.224302	0.212828	0.189785
0.175284	0.195892	0.284464	0.245625	0.166019	0.181983	0.139434	0.102625	0.220142	0.205375	0.185446
130041.128	126097.499	295610.346	253454.629	63280.435	51936.2508	72970.6918	122774.013	244623.796	194320.4	95747.8662
541.718371	412.084593	873.24345	795.648484	231.843194	203.09633	262.35993	373.760976	759.490584	620.453466	332.733996
3578.6	3817.56	5543.64	5242.62	2927.26	3884.26	2717.3	1904.72	4494.42	3811.76	3613.98

0.030909	0.030952	0.033422	0.03307	0.028782	0.031032	0.034107	0.025531	0.025454	0.030031	0.02619
33706.8334	35957.5976	52215.5452	49380.2378	27571.8619	36585.8449	25594.2487	17940.5577	42332.942	35902.9674	34040.0776
163002.782	173878.406	257480.257	243921.711	135079.786	187194.905	157144.774	122323.797	269070.265	232087.72	202411.455
1.345998	2.736639	3.547688	2.653312	1.613265	2.389003	2.143947	2.316877	3.005223	3.414357	3.076686
22430.1063	21639.4772	50113.9855	42919.7427	10773.3202	8464.89111	10205.0106	15753.6578	33208.7561	25731.7042	13669.5052
19784.96	18884.8	18836.66	20638.14	17124.5	20681.64	18823.32	18086.14	19896.32	18002.62	18977.6
56.207272	56.204761	56.061488	56.081902	56.330592	56.200108	56.021785	56.519187	56.523636	56.258187	56.480952
20416	19488	19488	21344	17632	21344	19488	18560	20416	18560	19488
58	58	58	58	58	58	58	58	58	58	58
3578.6	3817.56	5543.64	5242.62	2927.26	3884.26	2717.3	1904.72	4494.42	3811.76	3613.98
15.25285	31.052549	40.212594	29.986917	18.223143	27.087189	23.503965	25.041531	33.26208	37.743824	34.139586
15.25285	31.052549	40.212594	29.986917	18.223143	27.087189	23.503965	25.041531	33.26208	37.743824	34.139586
195643.31	208788.37	308128.216	291771.208	161752.701	222723.416	182010.413	139846.454	310806.955	267502.103	236056.466
486232.501	355181.357	538802.812	505413.812	419723.811	348254.677	257141.384	208941.466	624871.103	501194.6	376030.183
290589.191	146392.987	230674.596	213642.604	257971.11	125531.261	75130.9706	69095.0121	314064.148	233692.498	139973.717
486232.501	355181.357	538802.812	505413.812	419723.811	348254.677	257141.384	208941.466	624871.103	501194.6	376030.183
103.04	156.47	205.39	172.95	94.63	131.78	98.42	96.13	221.79	207.92	177.19
65602.1824	82690.8717	12517.8695	38316.579	98472.266	170787.165	109039.722	17072.4416	66183.1595	73181.7023	140308.6
164747.297	139946.706	18743.4101	65065.0003	267682.728	266521.858	153660.173	25142.9026	138385.314	138759.422	221518.478
11.63413	18.449491	7.850433	10.706045	13.51303	23.973673	15.864264	6.334925	13.337574	16.867876	21.358717
1197.23189	1520.13169	223.119189	685.900314	1783.47401	2985.5562	1633.85053	232.179618	968.700057	1079.86658	2162.71073
57.132884	57.243592	59.172521	58.409543	56.521326	57.479861	67.241486	78.142155	65.86676	66.806169	65.939895
15.989439	31.957963	43.1827	31.529336	18.060225	25.163794	23.517237	26.555638	34.895033	39.412206	34.856885
3578.6	3817.56	5543.64	5242.62	2927.26	3884.26	2717.3	1904.72	4494.42	3811.76	3613.98
10.166477	11.361785	16.498928	14.24625	9.629144	10.555054	8.087202	5.95225	12.768238	11.91175	10.755892
290589.191	146392.987	230674.596	213642.604	257971.11	125531.261	75130.9706	69095.0121	314064.148	233692.498	139973.717
290589.191	146392.987	230674.596	213642.604	257971.11	125531.261	75130.9706	69095.0121	314064.148	233692.498	139973.717
2381.36811	2297.42831	5320.52081	4556.71969	1143.78599	898.703801	1083.44947	1672.54038	3525.71994	2731.89342	1451.26927
130041.128	126097.499	295610.346	253454.629	63280.435	51936.2508	72970.6918	122774.013	244623.796	194320.4	95747.8662
6.18	15	5.58	9.39	10.74	21.52	18.86	5.75	11.4	11.81	19.04
-290589.19	-146392.99	-230674.6	-213642.6	-257971.11	-125531.26	-75130.971	-69095.012	-314064.15	-233692.5	-139973.72
-455336.49	-286339.69	-249418.01	-278707.6	-525653.84	-392053.12	-228791.14	-94237.915	-452449.46	-372451.92	-361492.2
9.67	8.92	24.85	17.62	3.23	2.95	4.5	12.21	13.68	10.75	4.19
14776.8802	19307.7726	32425.2454	28617.4381	13117.662	16817.0694	12796.0782	10753.4345	24809.3974	20353.9281	17507.0583
0.46	0.68	0.89	0.74	0.32	0.71	0.52	0.56	0.43	0.4	0.52

218.4126	322.8708	422.5809	351.3594	151.9392	337.1151	246.9012	265.8936	208.249	193.72	251.836
195643.31	208788.37	308128.216	291771.208	161752.701	222723.416	182010.413	139846.454	310806.955	267502.103	236056.466
195643.31	208788.37	308128.216	291771.208	161752.701	222723.416	182010.413	139846.454	310806.955	267502.103	236056.466
163002.782	173878.406	257480.257	243921.711	135079.786	187194.905	157144.774	122323.797	269070.265	232087.72	202411.455
3578.6	3817.56	5543.64	5242.62	2927.26	3884.26	2717.3	1904.72	4494.42	3811.76	3613.98
218.4126	322.8708	422.5809	351.3594	151.9392	337.1151	246.9012	265.8936	208.249	193.72	251.836
195643.31	208788.37	308128.216	291771.208	161752.701	222723.416	182010.413	139846.454	310806.955	267502.103	236056.466
32422.116	34587.0936	50225.3784	47498.1372	26520.9756	35191.3956	24618.738	17256.7632	41528.4408	35220.6624	33393.1752
					0.34			0.22	0.53	0.6
11.219856	11.038458	10.885666	11.001711	11.230914	11.037254	11.070849	11.095009	10.959052	10.99527	11.034368
0.552946	0.644472	0.716762	0.67081	0.565356	0.640876	0.640319	0.637682	0.711396	0.682675	0.656321
0.266844	0.620825	0.693555	0.648176	0.543639	0.61576	0.614914	0.613753	0.687698	0.654896	0.634342
361531.598	814576.503	928076.058	954453.849	643964.505	832780.758	797659.279	792196.792	984625.866	850063.882	835759.247
1517.73903	2944.555	2858.83147	3127.13799	2515.49868	3317.30758	2927.99895	2445.13144	3081.07571	2769.59262	3012.23964
10426.158	23154.316	25866.85	26476.702	18344.578	25152.576	22933.858	21800.52	26869.768	23261.934	23658.428
0.037869	0.036071	0.034613	0.03288	0.039177	0.03826	0.039523	0.036031	0.033323	0.039031	0.034613
115151.654	252484.084	279383.483	287738.368	202669.011	274417.064	250241.343	237927.106	290454.991	252344.285	257564.915
148775.239	326084.779	361565.615	373120.946	262147.304	355732.75	324730.907	310340.294	392946.633	340801.386	347434.29
3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.227	3.227	3.227
215022.683	471463.53	521692.777	537293.854	378443.845	512418.983	467275.659	444281.286	545184.018	473650.223	483449.345
18874.44	35950.68	36005.07	39504.9	32421.99	39285.12	35821.92	34240.17	37769.97	34133.61	36005.07
53.620568	106.996071	107.157946	107.350271	106.651282	106.753043	106.612857	107.000531	107.301051	106.667531	107.157946
39072	37296	37296	40848	33744	40848	37296	35520	39072	35520	37296
111	111	111	111	111	111	111	111	111	111	111
10426.158	23154.316	25866.85	26476.702	18344.578	25152.576	22933.858	21800.52	26869.768	23261.934	23658.428
37.673697	37.104635	36.524657	36.933781	37.699844	37.090594	37.187357	37.300949	37.423624	37.68283	37.747251
37.286102	36.713829	36.22482	36.588133	37.322598	36.704892	36.807772	36.876049	37.132379	37.249672	37.378577
385417.957	845709.258	934399.892	964448.241	678552.355	920521.975	839234.679	800335.384	992319.41	863841.793	879761.802
603033.622	1156330.5	1548062.11	1477480.34	1061545.46	1219864.46	1100783.54	1071772.82	1870734.53	1555413.72	1298292.81
217615.665	310621.238	613662.215	513032.101	382993.108	299342.486	261548.866	271437.439	878415.121	691571.928	418531.005
603033.622	1156330.5	1548062.11	1477480.34	1061545.46	1219864.46	1100783.54	1071772.82	1870734.53	1555413.72	1298292.81
170.04	323.88	324.37	355.9	292.09	353.92	322.72	308.47	340.27	307.51	324.37
20407.8392	23260.3159	190.653459	2030.41194	28546.2097	79136.4569	34252.1995	357.692017	1064.27417	5561.35043	36999.8053
57368.8957	38767.4556	274.328374	3610.80989	84117.6893	146610.86	61974.0044	518.600509	2413.99411	12010.8309	68007.7489

11.840048	12.257489	2.1587	5.252618	10.261679	17.970846	14.235556	1.798447	2.990121	7.839781	13.083593
585.464122	668.095876	5.408716	57.970422	819.189027	2255.35273	978.617484	10.259227	29.757139	155.89706	1028.82353
21.446515	27.67212	32.504248	30.888649	19.406175	26.987761	29.382166	33.519009	36.325719	34.73942	29.756651
21.436133	27.657674	32.503841	30.88605	19.396445	26.967744	29.371986	33.518669	35.961681	34.737099	29.742942
10426.158	23154.316	25866.85	26476.702	18344.578	25152.576	22933.858	21800.52	26869.768	23261.934	23658.428
29.619767	68.911654	76.984672	71.947559	60.344006	68.349391	68.255529	68.126625	76.334568	72.693543	70.411988
157425.895	178647.808	467628.469	362631.256	277058.016	155904.687	130747.716	147072.941	726594.297	559671.57	283901.824
157425.895	178647.808	467628.469	362631.256	277058.016	155904.687	130747.716	147072.941	726594.297	559671.57	283901.824
9840.69388	22486.2201	25861.4413	26418.7316	17525.389	22897.2233	21955.2405	21790.2608	26840.0109	23106.0369	22629.6045
361531.598	814576.503	928076.058	954453.849	643964.505	832780.758	797659.279	792196.792	984625.866	850063.882	835759.247
2.76	6.62	0.12	1.03	5.79	20.85	15.9	0.51	1.47	4.15	14.57
-217615.66	-310621.24	-613662.22	-513032.1	-382993.11	-299342.49	-261548.87	-271437.44	-878415.12	-691571.93	-418531.01
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122.86	230.3	221.7	256.65	219.08	228.65	238.35	266.09	254.8	227.16	224.44
0.5										
38314.7658	87050.791	102210.786	105953.138	73017.454	86086.6965	85350.5251	96875.4735	105965.457	91660.3438	87395.6338
0.38	0.86	0.67	0.87	0.66	0.94	0.8	0.85	0.71	0.88	0.75
3478.52	7872.44	6133.18	7963.98	6041.64	8604.76	7323.2	7780.9	6629.27	8216.56	7002.75
445607.727	977682.689	1080433.64	1114849.09	784487.447	1063959.77	970035.828	924699.883	1144140.23	995742.151	1014390.98
445607.727	977682.689	1080433.64	1114849.09	784487.447	1063959.77	970035.828	924699.883	1144140.23	995742.151	1014390.98
363797.923	797548.309	883258.393	910414.8	640591.149	868151.733	792006.566	754621.58	938130.65	814451.61	830883.635
10426.158	23154.316	25866.85	26476.702	18344.578	25152.576	22933.858	21800.52	26869.768	23261.934	23658.428
3478.52	7872.44	6133.18	7963.98	6041.64	8604.76	7323.2	7780.9	6629.27	8216.56	7002.75
445607.727	977682.689	1080433.64	1114849.09	784487.447	1063959.77	970035.828	924699.883	1144140.23	995742.151	1014390.98
18141.5149	40288.5098	45008.319	46069.4615	31919.5657	43765.4822	39904.9129	37932.9048	47559.4894	41173.6232	41875.4176
6.5	14.38	0.38	1.83	9.26	30.12	14.43	0.38	0.92	3.62	16.49
0.3	0.3	0.3		0.6			0.15	0.3	0.75	0.15
0.015198	0.001177	0.000773		0.009689			0.000531	0.01017	0.004241	0.000386
0.015198	0.001101	0.000773		0.00819			0.000531	0.01017	0.004218	0.000386
2007.25714	54.397656	97.915782		10.879531			65.277188	410.594546	22.194299	
8.354986	0.157456	0.292412		0.04493			0.191044	1.279223	0.067199	
16.05	1.11	0.78		7.47			0.51	10.74	4.05	0.39
0.024176	0.035476	0.033065	0.032554	0.03523	0.019048	0.035416	0.035625	0.034062	0.026781	0.028065
240.75	16.65	11.7		112.05			7.65	161.1	60.75	5.85

5486.65312	379.450776	266.641085		2553.60117			174.342248	3744.8715	1412.17221	135.986953
0.483534	0.483534	0.483534		0.967069			0.241767	0.493206	1.233016	0.246603
333.896175	23.091885	16.22673		155.402145			10.609785	227.90817	85.943025	8.275995
1030.47	972.24	974.67	1068.06	879.87	1082.97	972.3	925.8	1020.03	934.29	979.71
2.927471	2.893571	2.900803	2.902336	2.894309	2.942853	2.89375	2.893125	2.897812	2.919656	2.915803
1056	1008	1008	1104	912	1104	1008	960	1056	960	1008
3	3	3	3	3	3	3	3	3	3	3
16.05	1.11	0.78		7.47			0.51	10.74	4.05	0.39
7.25302	7.25302	7.25302		14.506041			3.62651	7.398099	18.495249	3.699049
7.25302	7.25302	7.25302		14.506041			3.62651	7.398099	18.495249	3.699049
5820.54929	402.542661	282.867815		2709.00331			184.952033	3972.77967	1498.11524	144.262948
9188.11942	429.74944	317.421899		4238.42801			199.06302	5116.85931	1759.39242	165.446454
3367.57013	27.206779	34.554083		1529.4247			14.110987	1144.07965	261.277182	21.183505
9188.11942	429.74944	317.421899		4238.42801			199.06302	5116.85931	1759.39242	165.446454
5.35	0.37	0.26		2.49			0.17	3.58	1.35	0.13
3813.29215	348.145004	184.952033		2698.12378			119.674845	3562.18512	1475.92094	144.262948
5895.46355	371.872438	209.630731		4225.25078			128.406365	4527.36438	1734.23244	165.446454
0.059571	0.06	0.06		0.12			0.03	0.06	0.15	0.03
10.515045	0.96	0.51		7.44			0.33	9.63	3.99	0.39
362.651046										
7.25302										
16.05	1.11	0.78		7.47			0.51	10.74	4.05	0.39
0.045596	0.003303	0.002321		0.024572			0.001593	0.030511	0.012656	0.00116
3367.57013	27.206779	34.554083		1529.4247			14.110987	1144.07965	261.277182	21.183505
3367.57013	27.206779	34.554083		1529.4247			14.110987	1144.07965	261.277182	21.183505
5.534954	0.15	0.27		0.03			0.18	1.11	0.06	
2007.25714	54.397656	97.915782		10.879531			65.277188	410.594546	22.194299	
-3367.5701	-27.206779	-34.554083		-1529.4247			-14.110987	-1144.0796	-261.27718	-21.183505
-9263.0337	-399.07922	-244.18482		-5754.6755			-142.51735	-5671.444	-1995.5096	-186.62996
1275.1705	106.7858	87.4593		645.0548			57.4458	1145.0331	423.9023	38.2527
0.44	0.15	0.12		0.46			0.12	0.38	0.52	0.07
5820.54929	402.542661	282.867815		2709.00331			184.952033	3972.77967	1498.11524	144.262948
5820.54929	402.542661	282.867815		2709.00331			184.952033	3972.77967	1498.11524	144.262948

5820.54929	402.542661	282.867815		2709.00331			184.952033	3972.77967	1498.11524	144.262948
16.05	1.11	0.78		7.47			0.51	10.74	4.05	0.39
5820.54929	402.542661	282.867815		2709.00331			184.952033	3972.77967	1498.11524	144.262948
11.946202	11.617576	11.338422	11.502159	11.987847	11.588884	11.626328	11.669251	11.510744	11.579634	11.612355
0.599095	0.716977	0.791897	0.746374	0.602494	0.713804	0.708223	0.695374	0.76167	0.731259	0.718343
0.385777	0.684614	0.757264	0.709632	0.547741	0.685297	0.671094	0.597922	0.725215	0.695481	0.688602
169955.767	282091.852	308352.457	318904.861	208484.289	309675.869	277153.061	235793.047	317406.823	277871.657	289470.118
716.133816	1025.35431	953.628049	1048.74474	821.081019	1239.06941	1019.66778	725.041469	994.123452	906.212639	1048.30942
5839.13	9891.31	10940.96	11229.22	7160.08	10844.15	9695.97	8227.42	10976.86	9569.83	9948.93
0.047357	0.045297	0.044583	0.050217	0.041776	0.041494	0.051964	0.047656	0.049602	0.051	0.044702
68122.8605	112877.364	123201.497	127331.578	83572.4167	123820.734	110705.51	94020.9857	124208.78	108784.364	113413.208
87918.294	145914.278	159555.834	165208.853	107845.304	160302.899	143601.333	122377.223	167917.779	146996.861	153058.835
2.407399	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4519	2.451899	2.451899
75439.2557	125000.393	136433.338	141006.989	92548.0943	137119.081	122595.282	104118.84	136865.655	119869.491	124970.014
9788.09	13793.54	13803.86	15029.36	11872.73	15167.39	13697.22	11812.96	14385.22	13058.24	13802.14
27.807073	41.052202	41.082916	40.840652	39.055032	41.215733	40.765535	36.9155	40.867102	40.807	41.077797
15136	14448	14448	15824	13072	15824	14448	13760	15136	13760	14448
43	43	43	43	43	43	43	43	43	43	43
5839.13	9891.31	10940.96	11229.22	7160.08	10844.15	9695.97	8227.42	10976.86	9569.83	9948.93
30.695035	29.675088	28.897925	29.413398	30.570917	29.551809	29.736659	29.768754	29.892837	30.227104	30.228638
29.910403	29.121518	28.432586	28.824514	30.015385	29.040677	29.123824	29.221408	29.370256	29.54132	29.624063
173985.348	286710.024	313151.734	324564.386	211653.623	314475.146	282042.891	239596.248	322486.81	283044.007	294134.47
304123.365	464899.323	610399.938	588096.938	395564	497818.404	436360.528	382978.226	721233.045	600510.723	515257.53
130138.017	178189.299	297248.204	263532.553	183910.377	183343.258	154317.637	143381.979	398746.236	317466.716	221123.06
304123.365	464899.323	610399.938	588096.938	395564	497818.404	436360.528	382978.226	721233.045	600510.723	515257.53
227.63	320.78	321.02	349.32	276.11	352.73	318.29	274.72	334.54	303.68	320.98
22.678906	31.329287	31.837924	33.048004	23.859593	26.588797	38.160602	32.245228	31.484167	41.080121	34.242013
22.225328	5.952564	7.322722	7.27056	5.24911	5.317759	10.684968	6.126593	5.66715	9.448428	6.848402
5839.13	9891.31	10940.96	11229.22	7160.08	10844.15	9695.97	8227.42	10976.86	9569.83	9948.93
16.588437	29.438422	32.56238	30.514184	23.552894	29.467798	28.857053	25.710687	31.184261	29.905718	29.60991

94530.1977	119188.301	232850.781	196976.337	140227.075	118622.16	96451.8667	94237.2094	333822.306	260605.129	161841.976
94530.1977	119188.301	232850.781	196976.337	140227.075	118622.16	96451.8667	94237.2094	333822.306	260605.129	161841.976
5839.13	9891.31	10940.96	11229.22	7160.08	10844.15	9695.97	8227.42	10976.86	9569.83	9948.93
169955.767	282091.852	308352.457	318904.861	208484.289	309675.869	277153.061	235793.047	317406.823	277871.657	289470.118
-130138.02	-178189.3	-297248.2	-263532.55	-183910.38	-183343.26	-154317.64	-143381.98	-398746.24	-317466.72	-221123.06
-130138.02	-178189.3	-297248.2	-263532.55	-183910.38	-183343.26	-154317.64	-143381.98	-398746.24	-317466.72	-221123.06
92.76	1.76	2.45	1.82	2.68	2.06	2.59	1.86	2.43	2.31	2.17
0.318181				0.052631			0.099999			
50707.2388	85866.37	99739.059	102228.881	67266.3405	85393.0039	82919.0989	84681.1522	102844.064	89261.8037	85397.062
0.89	1.02	1.06	1.25	0.7	1.06	1.08	0.84	1.1	1.12	1.01
4029.5818	4618.1724	4799.2772	5659.525	3169.334	4799.2772	4889.8296	3803.2008	5079.987	5172.3504	4664.3517
209593.168	345711.022	377549.157	391120.601	255336.925	379196.244	339908.661	288741.017	387410.739	339905.594	353415.554
209593.168	345711.022	377549.157	391120.601	255336.925	379196.244	339908.661	288741.017	387410.739	339905.594	353415.554
163357.55	270914.672	295989.172	306215.842	200393.399	297421.98	266196.615	226496.062	304783.434	266866.352	278028.849
5839.13	9891.31	10940.96	11229.22	7160.08	10844.15	9695.97	8227.42	10976.86	9569.83	9948.93
4029.5818	4618.1724	4799.2772	5659.525	3169.334	4799.2772	4889.8296	3803.2008	5079.987	5172.3504	4664.3517
209593.168	345711.022	377549.157	391120.601	255336.925	379196.244	339908.661	288741.017	387410.739	339905.594	353415.554
6598.2169	11177.1803	12363.2848	12689.0186	8090.8904	12253.8895	10956.4461	9296.9846	12623.389	11005.3045	11441.2695
0.3	0.3	0.3		0.6			0.15	0.3	0.75	0.15
0.01539	0.001113	0.000798		0.009515			0.000531	0.01017	0.004638	0.000386
0.014119	0.001101	0.000773		0.009243			0.000531	0.01017	0.004343	0.000386
1818.24688	54.397656	84.448521		10.879531			65.277188	389.687376	15.883904	
7.564794	0.157456	0.252965		0.04493			0.191044	1.215017	0.047684	
14.91	1.11	0.78		8.43			0.51	10.74	4.17	0.39
0.027982	0.048065	0.038035	0.019945	0.030197	0.035054	0.035684	0.025468	0.028863	0.025875	0.022529
223.65	16.65	11.7		126.45			7.65	161.1	62.55	5.85
5096.94691	379.450776	266.641085		2881.77481			174.342248	3744.8715	1454.01435	135.986953
0.483534	0.483534	0.483534		0.967069			0.241767	0.493206	1.233016	0.246603
310.180185	23.091885	16.22673		175.373505			10.609785	227.90817	88.489485	8.275995
1026.45	959.55	969.66	1081.98	884.46	1065.3	972.03	935.55	1025.52	935.16	985.29
2.916051	2.855803	2.885892	2.940163	2.909407	2.894836	2.892946	2.923593	2.913409	2.922375	2.93241
1056	1008	1008	1104	912	1104	1008	960	1056	960	1008
3	3	3	3	3	3	3	3	3	3	3

14.91	1.11	0.78		8.43			0.51	10.74	4.17	0.39
7.25302	7.25302	7.25302		14.506041			3.62651	7.398099	18.495249	3.699049
7.25302	7.25302	7.25302		14.506041			3.62651	7.398099	18.495249	3.699049
5407.1271	402.542661	282.867815		3057.14832			184.952033	3972.77967	1542.50384	144.262948
8568.85858	429.74944	317.421899		4840.17669			199.06302	5116.85931	1806.32694	165.446454
3161.73148	27.206779	34.554083		1783.02837			14.110987	1144.07965	263.823106	21.183505
8568.85858	429.74944	317.421899		4840.17669			199.06302	5116.85931	1806.32694	165.446454
4.97	0.37	0.26		2.81			0.17	3.58	1.39	0.13
3588.88022	348.145004	198.419294		3046.26879			119.674845	3583.09229	1526.61993	144.262948
5541.7733	371.872438	224.204203		4826.99946			128.406365	4555.23955	1788.80485	165.446454
0.059607	0.06	0.058094		0.12			0.03	0.059856	0.149691	0.03
9.896235	0.96	0.547135		8.4			0.33	9.68652	4.127059	0.39
362.651046		362.651046						369.904996	369.904996	
7.25302		3.62651						3.699049	3.699049	
14.91	1.11	0.78		8.43			0.51	10.74	4.17	0.39
0.042357	0.003303	0.002321		0.02773			0.001593	0.030511	0.013031	0.00116
3161.73148	27.206779	34.554083		1783.02837			14.110987	1144.07965	263.823106	21.183505
3161.73148	27.206779	34.554083		1783.02837			14.110987	1144.07965	263.823106	21.183505
5.013764	0.15	0.232864		0.03			0.18	1.053479	0.04294	
1818.24688	54.397656	84.448521		10.879531			65.277188	389.687376	15.883904	
	0.04			0.01					0.19	
-3161.7315	-27.206779	-34.554083		-1783.0284			-14.110987	-1144.0796	-263.82311	-21.183505
-8703.5048	-399.07922	-258.75829		-6610.0278			-142.51735	-5699.3192	-2052.628	-186.62996
1184.6601	106.7858	87.4593		722.8897			57.4458	1145.0331	436.6912	38.2527
0.41	0.15	0.12		0.46			0.12	0.38	0.54	0.07
5407.1271	402.542661	282.867815		3057.14832			184.952033	3972.77967	1542.50384	144.262948
5407.1271	402.542661	282.867815		3057.14832			184.952033	3972.77967	1542.50384	144.262948
5407.1271	402.542661	282.867815		3057.14832			184.952033	3972.77967	1542.50384	144.262948
14.91	1.11	0.78		8.43			0.51	10.74	4.17	0.39
5407.1271	402.542661	282.867815		3057.14832			184.952033	3972.77967	1542.50384	144.262948
3.580473	6.269594	8.710035	6.845893	4.144538	4.694928	3.826992	2.833778	5.681951	7.254953	5.687546
0.127466	0.120515	0.187605	0.167714	0.119668	0.110132	0.065761	0.045423	0.141055	0.129518	0.107838
0.12267	0.116452	0.182172	0.164032	0.117157	0.107532	0.064517	0.042412	0.138687	0.123631	0.10338

66989.1967	37411.7636	146060.345	100082.721	14781.8217	11706.9769	13422.3268	30745.8137	72124.0156	52952.9624	15557.8122
278.836867	116.367535	418.197423	302.768475	52.004404	45.355225	47.861372	92.829439	221.908531	167.165599	53.984248
2159	1956.4	3060.5	3018.2	1780.8	1978.6	1083.9	678.6	2440.9	1978.1	1736.8
0.027585	0.03	0.027321	0.033478	0.031759	0.027187	0.032842	0.032562	0.033906	0.030375	0.030967
31220.2	28184	44116.9	43545.4	25820.4	28467.8	15522.3	9785.4	35198.9	28546.9	25005.2
151668.714	135786.48	218023.749	215234.63	126159.925	146055.776	95373.2276	68518.3282	222174.515	180070.552	147149.533
1.200049	2.133504	2.969343	2.350167	1.422852	1.641657	1.598274	1.33178	2.160406	2.735087	2.192578
13745.8278	7724.53104	29533.553	20244.3903	3037.06713	2287.54463	2212.18853	4361.59657	11233.3653	8062.17938	2709.52926
17143	16361.4	16335.6	17809.2	14663.1	17924.5	16228	15444.5	17045.1	15474.1	16239.1
48.701704	48.694642	48.617857	48.394565	48.233881	48.70788	48.297619	48.264062	48.423579	48.356562	48.330654
17600	16800	16800	18400	15200	18400	16800	16000	17600	16000	16800
50	50	50	50	50	50	50	50	50	50	50
2159	1956.4	3060.5	3018.2	1780.8	1978.6	1083.9	678.6	2440.9	1978.1	1736.8
32.849892	57.74843	79.636347	63.403651	37.249808	40.968012	38.472915	28.577012	54.849169	67.737289	54.67716
17.283892	30.766046	42.70136	33.628216	20.455387	23.490496	22.748807	19.0531	30.9509	39.147294	31.421352
152359.595	136477.911	219024.435	215915.896	126629.144	146549.124	95603.6236	68783.5242	223048.737	180616.777	147650.233
364426.358	222914.801	354252.342	341288.277	311488.703	209850.585	124892.351	100105.375	416802.633	321161.68	215047.402
212066.762	86436.8908	135227.906	125372.382	184859.559	63301.4606	29288.7274	31321.8513	193753.896	140544.903	67397.169
364426.358	222914.801	354252.342	341288.277	311488.703	209850.585	124892.351	100105.375	416802.633	321161.68	215047.402
155.31	225.43	308.49	266.57	144.75	166.08	124.27	72.13	243.41	258.7	200.04
85370.3986	99066.147	72964.0905	115833.175	111847.322	134842.147	82181.2968	38037.7105	150924.722	127663.814	132092.42
193729.964	161689.06	109787.139	181705.757	279231.249	192029.026	107024.767	53832.0196	286316.546	228671.498	193325.317
5.148702	8.4596	8.260238	7.827691	6.254461	7.351309	5.815428	3.205143	7.720404	10.181077	8.714937
1199.06336	1413.06872	986.279707	1593.72945	1566.90723	1817.00549	927.487479	372.137919	1649.375	1410.22315	1545.19987
86.127233	80.899	85.175015	83.902158	78.654513	79.084091	91.810968	104.42424	88.155538	92.687535	89.115783
21.362276	34.696457	51.904462	39.427481	22.769079	20.561863	21.068982	20.811995	33.477034	42.579907	28.420719
2159	1956.4	3060.5	3018.2	1780.8	1978.6	1083.9	678.6	2440.9	1978.1	1736.8
6.133522	5.822619	9.10863	8.20163	5.857894	5.37663	3.225892	2.120625	6.934375	6.181562	5.169047
212066.762	86436.8908	135227.906	125372.382	184859.559	63301.4606	29288.7274	31321.8513	193753.896	140544.903	67397.169
212066.762	86436.8908	135227.906	125372.382	184859.559	63301.4606	29288.7274	31321.8513	193753.896	140544.903	67397.169
959.936636	543.331283	2074.22029	1424.47055	213.892765	161.594512	156.41252	306.46208	791.524996	567.876854	191.600129
66989.1967	37411.7636	146060.345	100082.721	14781.8217	11706.9769	13422.3268	30745.8137	72124.0156	52952.9624	15557.8122
23.46	27.07	31.47	39.44	28	31.03	15.22	8.9	31.12	27.58	27.35
-212066.76	-86436.891	-135227.91	-125372.38	-184859.56	-63301.461	-29288.727	-31321.851	-193753.9	-140544.9	-67397.169
-405796.73	-248125.95	-245015.05	-307078.14	-464090.81	-255330.49	-136313.49	-85153.871	-480070.44	-369216.4	-260722.49

9.61	4.47	19.01	11.54	1.42	1.09	1.05	2.87	5.04	4.19	1.21
18947.3569	20288.6017	37138.5999	34208.2616	17343.6218	17333.4234	9794.481	7888.347	27738.9206	21896.4685	17142.1614
0.37	0.5	0.61	0.17	0.14	0.26	0.11	0.22	0.56	0.24	0.29
263.375	349.839	454.629	126.308	86.863	163.366	80.885	142.646	422.65	170.685	197.1
152359.595	136477.911	219024.435	215915.896	126629.144	146549.124	95603.6236	68783.5242	223048.737	180616.777	147650.233
152359.595	136477.911	219024.435	215915.896	126629.144	146549.124	95603.6236	68783.5242	223048.737	180616.777	147650.233
151668.714	135786.48	218023.749	215234.63	126159.925	146055.776	95373.2276	68518.3282	222174.515	180070.552	147149.533
2159	1956.4	3060.5	3018.2	1780.8	1978.6	1083.9	678.6	2440.9	1978.1	1736.8
263.375	349.839	454.629	126.308	86.863	163.366	80.885	142.646	422.65	170.685	197.1
152359.595	136477.911	219024.435	215915.896	126629.144	146549.124	95603.6236	68783.5242	223048.737	180616.777	147650.233
427.506	341.592	546.057	554.958	382.356	329.982	149.511	122.55	451.571999	375.539999	303.6
									0.09	0.15
0.3	0.3	0.3		0.6			0.15	0.3	0.75	0.15
0.015198	0.001075	0.000773		0.009598			0.000531	0.01017	0.004024	0.000454
0.015198	0.000982	0.000773		0.00944			0.000531	0.01017	0.00375	0.000386
2420.56967	72.530209	90.790101		14.506041			87.036251	490.461744	14.796199	
10.050466	0.209942	0.266331		0.059907			0.254725	1.528904	0.04384	
21.4	1.32	1.04		11.48			0.68	14.32	4.8	0.52
0.039545	0.03869	0.032976	0.031059	0.018914	0.01894	0.025119	0.031031	0.024744	0.029375	0.030505
321	19.8	15.6		172.2			10.2	214.8	72	7.8
7315.53749	451.23876	355.521447		3924.40983			232.456331	4993.162	1673.68559	181.315938
0.483534	0.483534	0.483534		0.967069			0.241767	0.493206	1.233016	0.246603
445.1949	27.46062	21.63564		238.82418			14.14638	303.87756	101.8584	11.03466
1352.32	1292	1299.68	1426.28	1193	1444.12	1310.24	1240.28	1373.16	1242.4	1303
3.841818	3.845238	3.868095	3.87576	3.924342	3.924239	3.899523	3.875875	3.901022	3.8825	3.877976
1408	1344	1344	1472	1216	1472	1344	1280	1408	1280	1344
4	4	4	4	4	4	4	4	4	4	4
21.4	1.32	1.04		11.48			0.68	14.32	4.8	0.52
7.25302	7.25302	7.25302		14.506041			3.62651	7.398099	18.495249	3.699049
7.25302	7.25302	7.25302		14.506041			3.62651	7.398099	18.495249	3.699049
7760.73239	478.69938	377.157087		4163.23401			246.602711	5297.03956	1775.54399	192.350598
12250.8259	508.652416	423.229199		6558.22449			265.417361	6822.47909	2083.14203	220.595272
4490.09351	29.953035	46.072111		2394.99048			18.814649	1525.43953	307.598043	28.244674
12250.8259	508.652416	423.229199		6558.22449			265.417361	6822.47909	2083.14203	220.595272

5.35	0.33	0.26	2.87			0.17	3.58	1.2	0.13
5340.16272	406.169171	286.366986	4148.72797			159.56646	4806.57781	1760.74779	192.350598
8269.70447	431.483079	322.132926	6540.65485			171.208487	6121.38151	2067.5042	220.595272
0.07797	0.08	0.076403	0.16			0.04	0.079974	0.2	0.04
14.725347	1.12	0.789648	11.44			0.44	12.994087	4.76	0.52
568.748719	386.105651	391.52797	439.500114			394.458737	483.386505	391.205108	
11.374974	3.861056	3.915279	4.395001			3.944587	9.66773	3.912051	
21.4	1.32	1.04	11.48			0.68	14.32	4.8	0.52
0.060795	0.003928	0.003095	0.037763			0.002125	0.040681	0.015	0.001547
4490.09351	29.953035	46.072111	2394.99048			18.814649	1525.43953	307.598043	28.244674
4490.09351	29.953035	46.072111	2394.99048			18.814649	1525.43953	307.598043	28.244674
6.674652	0.2	0.250351	0.04			0.24	1.325912	0.04	
2420.56967	72.530209	90.790101	14.506041			87.036251	490.461744	14.796199	
3.78	0.28	0.21	2.84			0.1	3.25	1.16	0.12
-4490.0935	-29.953035	-46.072111	-2394.9905			-18.814649	-1525.4395	-307.59804	-28.244674
-12759.798	-461.43612	-368.20504	-8935.6453			-190.02314	-7646.821	-2375.1022	-248.83995
1.56	0.05	0.04	0.01			0.05	0.31	0.01	
1275.1705	96.3787	87.4593	738.8892			57.4458	1145.0331	375.7213	38.2527
0.44	0.14	0.12	0.49			0.12	0.38	0.47	0.07
7760.73239	478.69938	377.157087	4163.23401			246.602711	5297.03956	1775.54399	192.350598
7760.73239	478.69938	377.157087	4163.23401			246.602711	5297.03956	1775.54399	192.350598
7760.73239	478.69938	377.157087	4163.23401			246.602711	5297.03956	1775.54399	192.350598
21.4	1.32	1.04	11.48			0.68	14.32	4.8	0.52
7760.73239	478.69938	377.157087	4163.23401			246.602711	5297.03956	1775.54399	192.350598

10.76764	10.522793	10.312448	10.466012	10.778759	10.504953	10.553791	10.603658	10.42774	10.465698	10.503813
0.396878	0.527748	0.60865	0.55924	0.422878	0.521186	0.522033	0.515793	0.6036	0.573033	0.548642
0.272282	0.505564	0.574772	0.527724	0.396892	0.488217	0.493054	0.484942	0.570896	0.538565	0.515851
188050.869	329585.806	372414.919	376513.068	237200.842	348941.923	322658.253	302814.278	395342.2	339962.274	343402.063
791.409241	1188.21677	1143.34689	1226.74546	926.368988	1395.23737	1185.36208	934.372091	1237.14634	1107.08466	1240.0856
5616.43	9954.372	11317.038	11380.282	7070.408	10528.302	9708.052	9093.65	11776.006	10099.186	10156.906
0.071761	0.047083	0.06125	0.05913	0.063684	0.062989	0.054255	0.056343	0.05642	0.058437	0.056369
58405.4556	102256.131	115275.593	116480.724	73661.9721	108116.248	99762.015	93479.3708	119825.284	103159.201	104100.814
75070.3522	131704.341	149282.781	151080.167	94731.5812	139754.724	129610.599	121920.268	162080.343	139166.972	140799.039
3.1787	3.1787	3.1787	3.1787	3.178699	3.1787	3.1787	3.1787	3.2387	3.2387	3.2387

109726.329	192108.592	216568.256	218832.337	138388.747	203117.996	187422.898	175619.694	226314.013	194836.782	196615.207
13971.998	18762.548	18483.612	20289.664	16679.904	20206.452	18621.322	17695.442	19463.404	17656.18	18579.716
39.693176	55.840916	55.01075	55.134956	54.868105	54.908836	55.420601	55.298256	55.293761	55.175562	55.296773
20627.2	19689.6	19689.6	21564.8	17814.4	21564.8	19689.6	18752	20627.2	18752	19689.6
58.6	58.6	58.6	58.599999	58.6	58.599999	58.6	58.6	58.6	58.6	58.6
5616.43	9954.372	11317.038	11380.282	7070.408	10528.302	9708.052	9093.65	11776.006	10099.186	10156.906
42.158304	37.341747	36.798246	37.199758	40.822715	37.649334	38.690106	38.409813	38.035425	38.281005	38.2249
34.820168	34.043846	33.367026	33.850418	34.859777	33.979379	34.129045	34.279795	34.359763	34.48308	34.609144
211878.975	351562.761	400347.401	402186.305	262894.402	377527.775	350391.263	327460.586	422576.368	366986.948	368965.04
378277.527	541174.596	708479.048	686667.36	502334.214	556273.764	504339.915	483666.13	869003.552	713746.061	601280.887
166398.551	189611.835	308131.647	284481.055	239439.812	178745.989	153948.651	156205.543	446427.185	346759.113	232315.847
378277.527	541174.596	708479.048	686667.36	502334.214	556273.764	504339.915	483666.13	869003.552	713746.061	601280.887
238.43	320.18	315.42	346.24	284.64	344.82	317.77	301.97	332.14	301.3	317.06
3.341861	0.663236			20.323163	37.212139	5.913305				4.757948
5.34029	0.904416			47.422049	53.626274	9.220485				7.902941
0.094595	0.018791			0.461037	0.935173	0.158109				0.127921
0.094595	0.018791			0.554897	1.019163	0.158109				0.127921
23.183703	30.728411	32.972021	31.603926	22.202362	28.845316	33.388355	34.618572	37.710356	38.485559	33.919651
22.719655	24.582729	26.047896	25.283141	15.097606	23.064356	27.044568	27.694857	27.905663	29.249024	28.831704
5616.43	9954.372	11317.038	11380.282	7070.408	10528.302	9708.052	9093.65	11776.006	10099.186	10156.906
15.955767	29.626107	33.68166	30.924679	23.257921	28.609516	28.893011	28.417656	33.454562	31.559956	30.228886
135870.02	136162.556	247877.095	223596.58	200936.699	122233.626	101803.046	107343.876	383794.509	292837.799	177902.352
135870.02	136162.556	247877.095	223596.58	200936.699	122233.626	101803.046	107343.876	383794.509	292837.799	177902.352
5616.3354	9954.35321	11317.038	11380.282	7069.8531	10527.2828	9707.89389	9093.65	11776.006	10099.186	10156.7781
188050.869	329585.806	372414.919	376513.068	237200.842	348941.923	322658.253	302814.278	395342.2	339962.274	343402.063
	0.01			0.02	0.05	0.02				
-166398.55	-189611.84	-308131.65	-284481.05	-239439.81	-178745.99	-153948.65	-156205.54	-446427.18	-346759.11	-232315.85
-166403.89	-189612.74	-308131.65	-284481.05	-239487.23	-178799.62	-153957.87	-156205.54	-446427.18	-346759.11	-232323.75
54.53	15.24	12.92	13.57	14.93	17.68	16.53	16.92	13.89	14.94	15.04
0.272727										
47261.3075	80654.9389	92005.1545	96033.1852	65948.9692	78143.234	78129.4537	87865.6903	95249.3332	83334.0014	79652.2151
1.16	1.07	1.36	1.25	1.25	1.39	1.35	1.2	1.3	1.29	1.22
23824.7644	21976.2913	27932.4824	25673.2375	25673.2375	28548.6401	27727.0965	24646.308	27234.168	27024.6744	25558.2192
242407.507	405012.04	460601.953	463070.78	301397.515	434040.138	402536.869	376322.254	485209.043	420908.262	423378.535
242407.507	405012.04	460601.953	463070.78	301397.515	434040.138	402536.869	376322.254	485209.043	420908.262	423378.535

184796.682	323812.934	365851.037	369912.504	233120.328	342872.72	317033.497	297539.961	388394.356	334003.754	337414.246
5616.43	9954.372	11317.038	11380.282	7070.408	10528.302	9708.052	9093.65	11776.006	10099.186	10156.906
23824.7644	21976.2913	27932.4824	25673.2375	25673.2375	28548.6401	27727.0965	24646.308	27234.168	27024.6744	25558.2192
242407.507	405012.04	460601.953	463070.78	301397.515	434040.138	402536.869	376322.254	485209.043	420908.262	423378.535
3257.5294	5773.53576	6563.88204	6600.56356	4100.83664	6106.41516	5630.67016	5274.317	6947.84354	5958.51974	5992.57454
0.01					0.05					
3.45	5.85	7.8	6.45	4.05	4.5	3.6	1.95	5.25	6.75	4.65
0.118288	0.112901	0.177459	0.159289	0.115196	0.102146	0.059661	0.041174	0.134255	0.12326	0.100307
0.112585	0.10988	0.17363	0.155	0.109309	0.099619	0.05863	0.041156	0.132556	0.118937	0.09616
14229.3606	6870.01299	28974.795	18350.088	2304.77914	1682.48012	2136.98859	6297.2191	11689.1874	9842.92306	2317.37442
59.165209	21.057	81.632004	55.055082	8.009259	6.484998	7.588624	19.077809	36.015819	31.129991	7.979454
554.82	516.88	816.76	798.56	465.22	513.24	275.8	184.38	653.24	532.84	452.34
0.035653	0.028333	0.023363	0.034619	0.039407	0.025869	0.02375	0.022625	0.026477	0.032625	0.043422
8322.3	7753.2	12251.4	11978.4	6978.3	7698.6	4137	2765.7	9798.6	7992.6	6785.1
40557.1129	37389.6761	60581.9252	59274.5582	34125.1389	39519.8855	25420.2848	19613.3095	61939.6816	50237.8013	39716.1381
1.103001	1.899775	2.54695	2.103007	1.321867	1.506974	1.418342	0.873078	1.905387	2.410093	1.735695
2881.88913	1414.30209	5851.83059	3692.4892	477.62942	322.482755	355.598699	867.652471	1841.81038	1533.17372	410.242421
4752.3	4570.72	4594.1	4973.64	4088.28	5018.72	4592.28	4378.64	4797.52	4333.84	4499.74
13.500852	13.603333	13.672916	13.515326	13.448289	13.637826	13.6675	13.68325	13.629318	13.54325	13.392083
4928	4704	4704	5152	4256	5152	4704	4480	4928	4480	4704
14	14	14	14	14	14	14	14	14	14	14
554.82	516.88	816.76	798.56	465.22	513.24	275.8	184.38	653.24	532.84	452.34
16.843286	29.302148	38.840029	31.620721	19.870156	22.708445	21.316202	13.295719	29.07813	36.342601	26.248478
16.843286	29.302148	38.840029	31.620721	19.870156	22.708445	21.316202	13.295719	29.07813	36.342601	26.248478
40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855	25462.2848	19665.8095	62223.1816	50321.8013	39863.1381
97017.9231	60481.0528	96938.0232	93054.9743	85426.8105	56233.3287	32878.1575	28600.4032	115595.937	88421.6075	57237.1392
56229.8103	22849.8767	36072.598	33675.4161	51238.6716	16597.9432	7415.87269	8934.59365	53372.7549	38099.8063	17374.0011
97017.9231	60481.0528	96938.0232	93054.9743	85426.8105	56233.3287	32878.1575	28600.4032	115595.937	88421.6075	57237.1392
97.35	115.76	160.88	154.56	104.6	100.24	73.33	42.45	110.8	123.57	101.11
26558.7522	30761.1631	31890.6302	41029.4702	31883.3598	37952.9054	23325.2962	13368.5904	50533.9943	40478.8782	37545.7636
59857.8422	49482.6598	48683.6534	63897.6974	80350.6033	53607.9489	30074.8014	19064.3299	94432.0133	71532.5868	54139.3891
3.054086	5.29061	6.453766	5.485496	3.718325	4.178347	3.296839	1.563506	4.728688	5.918821	4.270171
362.694058	422.593194	426.63796	552.394053	433.378038	491.741149	252.09342	126.536501	530.452641	430.628418	424.990505
75.150277	76.800075	79.573346	77.184645	74.359098	76.837812	91.395342	107.365883	92.214368	95.999748	94.026078

16.498322	25.305322	41.267775	32.41755	16.359001	12.294049	14.623254	13.957564	26.598558	35.519907	20.563155
554.82	516.88	816.76	798.56	465.22	513.24	275.8	184.38	653.24	532.84	452.34
1.576193	1.538333	2.430833	2.17	1.530328	1.394673	0.820833	0.576187	1.855795	1.665125	1.34625
56229.8103	22849.8767	36072.598	33675.4161	51238.6716	16597.9432	7415.87269	8934.59365	53372.7549	38099.8063	17374.0011
56229.8103	22849.8767	36072.598	33675.4161	51238.6716	16597.9432	7415.87269	8934.59365	53372.7549	38099.8063	17374.0011
192.125941	94.286805	390.122039	246.165946	31.841961	21.49885	23.706579	57.843498	122.787358	102.211581	27.349494
14229.3606	6870.01299	28974.795	18350.088	2304.77914	1682.48012	2136.98859	6297.2191	11689.1874	9842.92306	2317.37442
5.55	9.62	10.12	10.78	4.89	11.35	7.65	2.49	10.57	8.82	9.66
-56229.81	-22849.877	-36072.598	-33675.416	-51238.672	-16597.943	-7415.8727	-8934.5937	-53372.755	-38099.806	-17374.001
-116087.65	-72332.536	-84756.251	-97573.113	-131589.27	-70205.892	-37490.674	-27998.924	-147804.77	-109632.39	-71513.39
2.47	1.65	6.69	4.01	0.22	0.25	0.57	1.16	2.03	1.8	0.69
9523.6999	10886.0169	19987.9247	18098.1125	8643.2698	9253.6521	5400.3704	4311.2972	14937.5947	11786.1939	9114.7084
0.22	0.23	0.27	0.1	0.06	0.11	0.04	0.05	0.27	0.08	0.14
231	241.5	283.5	105	63	115.5	42	52.5	283.5	84	147
40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855	25462.2848	19665.8095	62223.1816	50321.8013	39863.1381
40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855	25462.2848	19665.8095	62223.1816	50321.8013	39863.1381
40557.1129	37389.6761	60581.9252	59274.5582	34125.1389	39519.8855	25420.2848	19613.3095	61939.6816	50237.8013	39716.1381
554.82	516.88	816.76	798.56	465.22	513.24	275.8	184.38	653.24	532.84	452.34
231	241.5	283.5	105	63	115.5	42	52.5	283.5	84	147
40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855	25462.2848	19665.8095	62223.1816	50321.8013	39863.1381
									0.02	0.04

11.410302	11.116832	10.961699	11.089766	11.370264	11.102698	11.110856	11.120471	11.035878	11.073877	11.098533
0.297424	0.415144	0.484621	0.447835	0.355836	0.407428	0.392742	0.375772	0.460254	0.438583	0.417695
0.219314	0.399738	0.466628	0.430412	0.339092	0.391591	0.376299	0.356641	0.443658	0.419721	0.401895
951112.228	1597286.84	2080863.67	2021759.22	1170219.09	1556724.26	1486000.6	1491448.39	2030460.6	1725537.01	1582254.48
3989.66312	5709.52749	6332.89596	6556.10024	4555.60876	6206.55092	5450.83874	4592.60699	6344.17462	5603.21381	5695.33236
28339.698	49305.978	57556.548	58145.584	37842.126	52901.128	46414.88	41895.39	57329.194	49305.47	49572.084
0.036663	0.036799	0.034404	0.035121	0.036976	0.032203	0.03649	0.034045	0.03354	0.035176	0.034686
317287.504	539726.647	626597.349	636454.708	421607.224	579106.291	505962.416	456005.754	623498.583	537464.705	540976.054
720735.505	955641.148	1209975.43	1207840.86	790473.853	1028560.94	875881.125	767067.585	1315160.65	1106432.59	1032120.69
3.181705	3.140832	3.23334	3.187381	3.14317	3.144	3.143643	3.139803	3.335709	3.325641	3.247795
403458.857	788869.687	874906.471	897133.181	611229.787	852656.06	777293.838	724139.971	910739.09	789395.434	805128.983
39057.8232	30778.3104	85499.3691	66856.6222	14288.0168	11074.9185	12772.7978	20982.9069	46283.9318	35327.0573	16789.2769
95383.703	118844.228	118692.812	129886.799	106332.834	129931.212	118327.282	111750.232	124520.519	112732.615	118680.266

270.976428	353.703059	353.252416	352.953258	349.779059	353.073945	352.164529	349.219475	353.751474	352.289421	353.215077
129219.2	123345.6	123345.6	135092.8	111598.4	135092.8	123345.6	117472	129219.2	117472	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
28339.698	49305.978	57556.548	58145.584	37842.126	52901.128	46414.88	41895.39	57329.194	49305.47	49572.084
203.979818	250.727693	289.431345	228.558229	241.5193	195.055386	188.907207	186.69229	251.620844	320.92642	235.833667
37.965637	36.584402	37.267431	37.054696	37.325507	36.540981	36.454455	36.401316	38.499689	38.486769	37.671598
1217253.59	1872074.82	2239635.38	2258265.59	1508031.26	2021432.82	1774745.15	1597808.86	2374997.88	2030517.03	1968092
2326559.31	2806680.32	3861160.63	3692001.7	2827559.68	2888295.22	2456395.88	2278394.73	4673218.49	3802073.75	3065084.78
1109305.72	934605.497	1621525.25	1433736.11	1319528.41	866862.397	681650.725	680585.866	2298220.61	1771556.72	1096992.79
2326559.31	2806680.32	3861160.63	3692001.7	2827559.68	2888295.22	2456395.88	2278394.73	4673218.49	3802073.75	3065084.78
1014.48	1470.25	1641.46	1645.54	1214.19	1449.57	1254.8	1098.89	1600.25	1514.18	1442.46
234808.497	240321.076	119906.768	197209.636	302927.964	422755.887	248804.427	70130.0634	305593.852	264566.44	348612.194
534551.283	394866.402	180172.524	314279.265	762674.383	658823.319	352742.966	99976.2254	569702.739	472025.405	538937.67
3.409355	4.866871	3.047899	5.299934	3.787406	8.822951	6.455089	1.490389	3.371615	4.770307	5.142752
3451.19498	4037.14827	1648.2531	2889.99424	4696.69048	7550.67473	3792.20702	744.832958	3283.07205	3126.92569	5166.55256
30.837667	40.057386	50.679444	42.689222	27.114464	35.019114	36.935167	40.882377	48.169211	48.303677	40.931284
30.779791	39.980013	50.639166	42.684765	27.094023	34.965129	36.913988	40.858694	48.092049	48.287902	40.850587
28339.698	49305.978	57556.548	58145.584	37842.126	52901.128	46414.88	41895.39	57329.194	49305.47	49572.084
80.510505	146.743982	171.29925	158.004304	124.480677	143.753065	138.139523	130.923093	162.867028	154.079593	147.535964
982979.604	690181.789	1350839.53	1155894.58	1131406.91	602191.138	440838.199	458214.931	2018843.18	1528873.46	848669.026
982979.604	690181.789	1350839.53	1155894.58	1131406.91	602191.138	440838.199	458214.931	2018843.18	1528873.46	848669.026
24888.503	45268.8297	55908.2949	55255.5898	33145.4355	45350.4533	42622.673	41150.557	54046.1219	46178.5443	44405.5314
951112.228	1597286.84	2080863.67	2021759.22	1170219.09	1556724.26	1486000.6	1491448.39	2030460.6	1725537.01	1582254.48
41.97	58.83	47.62	60.64	52.83	84.8	57.65	17.8	58.34	54.28	70.79
-1109305.7	-934605.5	-1621525.3	-1433736.1	-1319528.4	-866862.4	-681650.72	-680585.87	-2298220.6	-1771556.7	-1096992.8
-1643857	-1329471.9	-1801697.8	-1748015.4	-2082202.8	-1525685.7	-1034393.7	-780562.09	-2867923.3	-2243582.1	-1635930.5
293.54	262.41	287.7	305.21	241.58	252.68	263.59	301.19	292.2	261.17	247.74
0.099173				0.004784			0.00909			
184615.323	304533.154	383908.014	385139.017	248299.109	293027.079	274390.007	292622.908	376295.15	320138.05	296373.338
4.79	4.8	5.23	4.38	4.58	4.47	3.9	4.1	5.53	5.58	4.15
32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584	40309.9123	36712.112	39878.9008	40904.1434	37831.7953
1343579.71	2116498.53	2510321.1	2536107.13	1696152.77	2286104.08	2015557.68	1820179.8	2654375.31	2273200.29	2216415.76
1343579.71	2116498.53	2510321.1	2536107.13	1696152.77	2286104.08	2015557.68	1820179.8	2654375.31	2273200.29	2216415.76
1124194.36	1744510.83	2084881.9	2104974.05	1401703.64	1881217	1653174.96	1491207.56	2225899.74	1895828.02	1837249.68
28339.698	49305.978	57556.548	58145.584	37842.126	52901.128	46414.88	41895.39	57329.194	49305.47	49572.084

32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584	40309.9123	36712.112	39878.9008	40904.1434	37831.7953
1343579.71	2116498.53	2510321.1	2536107.13	1696152.77	2286104.08	2015557.68	1820179.8	2654375.31	2273200.29	2216415.76
60992.9112	92182.8755	114717.499	113412.139	71100.2804	97647.1645	81260.2782	69889.1956	109219.239	93784.8658	93010.5248
6.51	14.38	0.38	1.83	9.26	30.51	14.43	0.38	1.14	4.26	17.28

3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544	665442.393	1166927.49	1001371.93	828509.143	598983.804
3047.08801	2398.6966	3662.31768	3603.59163	1461.82202	2116.0215	2425.59734	3574.7534	3108.54768	2679.22829	2150.22434
-83787.098	-93218.063	-108768.53	-112580.81	-78254.335	-92287.406	-91534.095	-103832.88	-112661.47	-98339.093	-93043.05
83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	93043.0499
727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544	665442.393	1166927.49	1001371.93	828509.143	598983.804
302.99	261.87	287.24	304.68	241.33	251.16	262.69	301.49	291.66	260.43	246.84
195.923031	214.116263	255.287045	241.925507	199.863286	180.806883	194.75661	244.288139	221.553913	219.411447	190.755922
115.924728	102.714729	125.919946	124.006531	108.122228	97.68573	99.736934	140.719194	113.078166	112.751939	94.763318
37589.9821	30329.9485	38814.9791	41830.1947	30208.7077	26513.9741	29572.1819	43918.1826	37045.6433	32855.9143	27141.3979
-83787.098	-93218.063	-108768.53	-112580.81	-78254.335	-92287.406	-91534.095	-103832.88	-112661.47	-98339.093	-93043.05
-238.03153	-277.43471	-323.71588	-305.92611	-257.41557	-250.78099	-272.4229	-324.47774	-320.06101	-307.30967	-276.91384
-3361117	-3788013.1	-5581658.5	-5199752.1	-3016712.4	-3566277.3	-3524779.2	-4084925.1	-6338111.4	-5173888.2	-4056237.6
-40.174383	-40.630263	-51.355597	-46.357029	-38.896193	-38.645927	-38.543366	-39.356394	-56.33529	-52.683205	-43.609711
-3361117	-3788013.1	-5581658.5	-5199752.1	-3016712.4	-3566277.3	-3524779.2	-4084925.1	-6338111.4	-5173888.2	-4056237.6
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
4088883.96	4467134.64	6777081.51	6312914.19	3400255.22	4100387.85	4190221.59	5251852.61	7339483.3	6002397.35	4655221.37
83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	93043.0499
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57

3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544	665442.393	1166927.49	1001371.93	828509.143	598983.804
3047.08801	2398.6966	3662.31768	3603.59163	1461.82202	2116.0215	2425.59734	3574.7534	3108.54768	2679.22829	2150.22434
-83787.098	-93218.063	-108768.53	-112580.81	-78254.335	-92287.406	-91534.095	-103832.88	-112661.47	-98339.093	-93043.05
83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	93043.0499
727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544	665442.393	1166927.49	1001371.93	828509.143	598983.804
302.99	261.87	287.24	304.68	241.33	251.16	262.69	301.49	291.66	260.43	246.84

195.923031	214.116263	255.287045	241.925507	199.863286	180.806883	194.75661	244.288139	221.553913	219.411447	190.755922
115.924728	102.714729	125.919946	124.006531	108.122228	97.68573	99.736934	140.719194	113.078166	112.751939	94.763318
37589.9821	30329.9485	38814.9791	41830.1947	30208.7077	26513.9741	29572.1819	43918.1826	37045.6433	32855.9143	27141.3979
-83787.098	-93218.063	-108768.53	-112580.81	-78254.335	-92287.406	-91534.095	-103832.88	-112661.47	-98339.093	-93043.05
-238.03153	-277.43471	-323.71588	-305.92611	-257.41557	-250.78099	-272.4229	-324.47774	-320.06101	-307.30967	-276.91384
-3361117	-3788013.1	-5581658.5	-5199752.1	-3016712.4	-3566277.3	-3524779.2	-4084925.1	-6338111.4	-5173888.2	-4056237.6
-40.174383	-40.630263	-51.355597	-46.357029	-38.896193	-38.645927	-38.543366	-39.356394	-56.33529	-52.683205	-43.609711
-3361117	-3788013.1	-5581658.5	-5199752.1	-3016712.4	-3566277.3	-3524779.2	-4084925.1	-6338111.4	-5173888.2	-4056237.6
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
4088883.96	4467134.64	6777081.51	6312914.19	3400255.22	4100387.85	4190221.59	5251852.61	7339483.3	6002397.35	4655221.37
83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	93043.0499
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57

333297.488	257198.161	197535.401	212710.574	225594.855	313508.885	294227.535	284813.766	337234.653	318949.968	333027.582
1404.49026	943.728272	617.726272	703.604394	886.846412	1255.29437	1084.08997	880.968425	1056.73992	1041.58974	1208.02217
7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451	6445.29102	6239.07484	7107.15812	6721.81175	7018.49488
289281.349	222189.363	214519.29	210492.352	187754.514	264643.333	247878.803	243983.431	400920.563	351246.405	302432.71
7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451	6445.29102	6239.07484	7107.15812	6721.81175	7018.49488
20.741902	16.768252	12.878488	12.661946	16.256042	18.662131	19.182413	19.497108	20.19079	21.005661	20.888377
-44016.139	-35008.798	16983.889	-2218.2218	-37840.34	-48865.552	-46348.732	-40830.335	63685.9101	32296.4377	-30594.872
-44016.139	-35008.798	16983.889	-2218.2218	-37840.34	-48865.552	-46348.732	-40830.335	63685.9101	32296.4377	-30594.872
7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451	6445.29102	6239.07484	7107.15812	6721.81175	7018.49488
333297.488	257198.161	197535.401	212710.574	225594.855	313508.885	294227.535	284813.766	337234.653	318949.968	333027.582
44016.1388	35008.7978	-16983.889	2218.22182	37840.3403	48865.552	46348.7325	40830.3354	-63685.91	-32296.438	30594.8716
44016.1388	35008.7978	-16983.889	2218.22182	37840.3403	48865.552	46348.7325	40830.3354	-63685.91	-32296.438	30594.8716
83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	93043.0499
333297.488	257198.161	197535.401	212710.574	225594.855	313508.885	294227.535	284813.766	337234.653	318949.968	333027.582

333297.488	257198.161	197535.401	212710.574	225594.855	313508.885	294227.535	284813.766	337234.653	318949.968	333027.582
7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451	6445.29102	6239.07484	7107.15812	6721.81175	7018.49488
333297.488	257198.161	197535.401	212710.574	225594.855	313508.885	294227.535	284813.766	337234.653	318949.968	333027.582
333297.488	257198.161	197535.401	212710.574	225594.855	313508.885	294227.535	284813.766	337234.653	318949.968	333027.582
7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451	6445.29102	6239.07484	7107.15812	6721.81175	7018.49488
289281.349	222189.363	214519.29	210492.352	187754.514	264643.333	247878.803	243983.431	400920.563	351246.405	302432.71
-44016.139	-35008.798	16983.889	-2218.2218	-37840.34	-48865.552	-46348.732	-40830.335	63685.9101	32296.4377	-30594.872
333297.488	257198.161	197535.401	212710.574	225594.855	313508.885	294227.535	284813.766	337234.653	318949.968	333027.582
320189.147	246538.851	190028.096	204508.133	216455.499	300807.182	282525.681	273403.227	322590.865	305149.947	318548.738
1349.24938	904.650287	594.211676	676.451036	850.924527	1204.47208	1040.98197	845.698847	1010.85923	996.510707	1155.4996
8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132	7240.53515	7006.74595	7984.92239	7553.2165	7884.86975
325208.703	249021.9	241531.112	236808.616	210690.308	297205.414	278498.782	273998.296	450454.355	394698.999	339746.965
24.449345	27.284722	29.78068	27.183939	18.873205	9.308236	33.015291	32.732365	31.48978	27.933267	35.648773
13.936126	1.091388	0.89342	0.543678	1.321124	0.093082	1.980917	2.291265	0.944693	1.11733	1.42595
8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132	7240.53515	7006.74595	7984.92239	7553.2165	7884.86975
23.311846	18.804371	14.4941	14.242148	18.247684	20.948509	21.549211	21.896081	22.684438	23.603801	23.466874
5019.55595	2483.04838	51503.0155	32300.4825	-5765.1902	-3601.7687	-4026.8995	595.068858	127863.49	89549.0521	21198.2272
5019.55595	2483.04838	51503.0155	32300.4825	-5765.1902	-3601.7687	-4026.8995	595.068858	127863.49	89549.0521	21198.2272
8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132	7240.53515	7006.74595	7984.92239	7553.2165	7884.86975
320189.147	246538.851	190028.096	204508.133	216455.499	300807.182	282525.681	273403.227	322590.865	305149.947	318548.738
-5019.5559	-2483.0484	-51503.016	-32300.482	5765.19017	3601.76872	4026.89952	-595.06886	-127863.49	-89549.052	-21198.227
-5019.5559	-2483.0484	-51503.016	-32300.482	5765.19017	3601.76872	4026.89952	-595.06886	-127863.49	-89549.052	-21198.227
9.98	0.38	0.3	0.32	0.33	0.01	0.33	0.63	0.32	0.29	0.19
83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	93043.0499
320189.147	246538.851	190028.096	204508.133	216455.499	300807.182	282525.681	273403.227	322590.865	305149.947	318548.738
320189.147	246538.851	190028.096	204508.133	216455.499	300807.182	282525.681	273403.227	322590.865	305149.947	318548.738
8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132	7240.53515	7006.74595	7984.92239	7553.2165	7884.86975
320189.147	246538.851	190028.096	204508.133	216455.499	300807.182	282525.681	273403.227	322590.865	305149.947	318548.738
320189.147	246538.851	190028.096	204508.133	216455.499	300807.182	282525.681	273403.227	322590.865	305149.947	318548.738
8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132	7240.53515	7006.74595	7984.92239	7553.2165	7884.86975
325208.703	249021.9	241531.112	236808.616	210690.308	297205.414	278498.782	273998.296	450454.355	394698.999	339746.965
5019.55595	2483.04838	51503.0155	32300.4825	-5765.1902	-3601.7687	-4026.8995	595.068858	127863.49	89549.0521	21198.2272
320189.147	246538.851	190028.096	204508.133	216455.499	300807.182	282525.681	273403.227	322590.865	305149.947	318548.738

147003.402	159587.313	150862.807	179368.558	110292.602	108582.609	124227.462	142657.907	161948.893	137542.418	161740.127
619.655091	583.998902	468.216731	588.903158	430.585564	434.255234	457.743598	441.342589	507.247149	449.079275	587.288956
2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219	2424.89679	2784.65562	3161.21205	2684.80222	3157.13697
109699.194	120834.476	150128.047	161027.035	81275.9365	84913.2772	94561.406	107976.509	180450.703	139926.756	133898.664
2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219	2424.89679	2784.65562	3161.21205	2684.80222	3157.13697
8.151928	9.271173	8.764326	9.51424	7.081878	5.759543	7.216954	8.702048	8.980716	8.390006	9.39624
-37304.208	-38752.837	-734.75942	-18341.524	-29016.665	-23669.332	-29666.056	-34681.399	18501.81	2384.33801	-27841.463
-37304.208	-38752.837	-734.75942	-18341.524	-29016.665	-23669.332	-29666.056	-34681.399	18501.81	2384.33801	-27841.463
2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219	2424.89679	2784.65562	3161.21205	2684.80222	3157.13697
147003.402	159587.313	150862.807	179368.558	110292.602	108582.609	124227.462	142657.907	161948.893	137542.418	161740.127
37304.2081	38752.837	734.75942	18341.5236	29016.6654	23669.3323	29666.0564	34681.3987	-18501.81	-2384.338	27841.4632
37304.2081	38752.837	734.75942	18341.5236	29016.6654	23669.3323	29666.0564	34681.3987	-18501.81	-2384.338	27841.4632
83787.0977	90584.2105	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	91308.2667
147003.402	159587.313	150862.807	179368.558	110292.602	108582.609	124227.462	142657.907	161948.893	137542.418	161740.127
147003.402	159587.313	150862.807	179368.558	110292.602	108582.609	124227.462	142657.907	161948.893	137542.418	161740.127
2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219	2424.89679	2784.65562	3161.21205	2684.80222	3157.13697
147003.402	159587.313	150862.807	179368.558	110292.602	108582.609	124227.462	142657.907	161948.893	137542.418	161740.127
147003.402	159587.313	150862.807	179368.558	110292.602	108582.609	124227.462	142657.907	161948.893	137542.418	161740.127
2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219	2424.89679	2784.65562	3161.21205	2684.80222	3157.13697
109699.194	120834.476	150128.047	161027.035	81275.9365	84913.2772	94561.406	107976.509	180450.703	139926.756	133898.664
-37304.208	-38752.837	-734.75942	-18341.524	-29016.665	-23669.332	-29666.056	-34681.399	18501.81	2384.33801	-27841.463
147003.402	159587.313	150862.807	179368.558	110292.602	108582.609	124227.462	142657.907	161948.893	137542.418	161740.127

249355.47	217002.384	161852.99	177995.17	192034.554	316922.864	274553.085	232470.537	289091.99	204396.54	299482.908
1051.26472	798.396519	509.734531	591.949752	755.567524	1270.95611	1012.90225	721.896543	909.764233	670.742831	1085.73177
2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051	3228.51699	2733.66107	3316.41609	2344.80371	3435.61899
110433.212	96391.324	89656.1443	90965.7938	82166.8458	146520.073	126215.327	106117.583	191632.676	121044.059	146004.32
2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051	3228.51699	2733.66107	3316.41609	2344.80371	3435.61899
8.330153	7.594548	5.664455	5.687706	7.428182	10.127039	9.608681	8.54269	9.421636	7.327511	10.225056
-138922.26	-120611.06	-72196.846	-87029.376	-109867.71	-170402.79	-148337.76	-126352.95	-97459.315	-83352.481	-153478.59
-138922.26	-120611.06	-72196.846	-87029.376	-109867.71	-170402.79	-148337.76	-126352.95	-97459.315	-83352.481	-153478.59
2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051	3228.51699	2733.66107	3316.41609	2344.80371	3435.61899
249355.47	217002.384	161852.99	177995.17	192034.554	316922.864	274553.085	232470.537	289091.99	204396.54	299482.908
138922.259	120611.06	72196.8461	87029.3765	109867.709	170402.79	148337.758	126352.954	97459.3149	83352.4808	153478.588
138922.259	120611.06	72196.8461	87029.3765	109867.709	170402.79	148337.758	126352.954	97459.3149	83352.4808	153478.588

83787.0977	93218.0627	108768.535	108991.998	77624.148	92287.4059	91534.0948	103832.877	110681.727	94568.6754	93043.0499
249355.47	217002.384	161852.99	177995.17	192034.554	316922.864	274553.085	232470.537	289091.99	204396.54	299482.908
249355.47	217002.384	161852.99	177995.17	192034.554	316922.864	274553.085	232470.537	289091.99	204396.54	299482.908
2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051	3228.51699	2733.66107	3316.41609	2344.80371	3435.61899
249355.47	217002.384	161852.99	177995.17	192034.554	316922.864	274553.085	232470.537	289091.99	204396.54	299482.908
249355.47	217002.384	161852.99	177995.17	192034.554	316922.864	274553.085	232470.537	289091.99	204396.54	299482.908
2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051	3228.51699	2733.66107	3316.41609	2344.80371	3435.61899
110433.212	96391.324	89656.1443	90965.7938	82166.8458	146520.073	126215.327	106117.583	191632.676	121044.059	146004.32
-138922.26	-120611.06	-72196.846	-87029.376	-109867.71	-170402.79	-148337.76	-126352.95	-97459.315	-83352.481	-153478.59
249355.47	217002.384	161852.99	177995.17	192034.554	316922.864	274553.085	232470.537	289091.99	204396.54	299482.908
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
4424.65946	3230.77398	2189.88921	2560.90834	2923.92403	4164.9778	3595.71779	2889.90641	3484.61054	3157.92256	4036.54249
21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785	19339.24	18764.1375	21569.7086	19304.6342	21496.1206
834622.457	688437.063	695834.594	699293.797	561887.605	793282.097	747154.318	732075.818	1223458.3	1006916.22	922082.659
24.449345	27.284722	29.78068	27.183939	18.873205	9.308236	33.015291	32.732365	31.48978	27.933267	35.648773
13.936126	1.091388	0.89342	0.543678	1.321124	0.093082	1.980917	2.291265	0.944693	1.11733	1.42595
21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785	19339.24	18764.1375	21569.7086	19304.6342	21496.1206
60.535831	52.438346	41.801371	42.106041	49.013787	55.497224	57.557261	58.637929	61.277581	60.326981	63.976549
-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44	-228379.45	-201269.62	112591.895	40877.347	-190716.7
-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44	-228379.45	-201269.62	112591.895	40877.347	-190716.7
21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785	19339.24	18764.1375	21569.7086	19304.6342	21496.1206
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
215223.05	191889.647	4444.70098	75288.6394	182489.904	246539.443	228379.446	201269.62	-112591.9	-40877.347	190716.696
215223.05	191889.647	4444.70098	75288.6394	182489.904	246539.443	228379.446	201269.62	-112591.9	-40877.347	190716.696
9.98	0.38	0.3	0.32	0.33	0.01	0.33	0.63	0.32	0.29	0.19
335148.391	370238.399	435074.139	446734.421	312387.152	369149.624	366136.379	415331.508	448666.148	389585.954	370437.416
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785	19339.24	18764.1375	21569.7086	19304.6342	21496.1206
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785	19339.24	18764.1375	21569.7086	19304.6342	21496.1206
834622.457	688437.063	695834.594	699293.797	561887.605	793282.097	747154.318	732075.818	1223458.3	1006916.22	922082.659
-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44	-228379.45	-201269.62	112591.895	40877.347	-190716.7

1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
11.410302	11.116832	10.961699	11.089766	11.370264	11.102698	11.110856	11.120471	11.035878	11.073877	11.098533
0.297424	0.415144	0.484621	0.447835	0.355836	0.407428	0.392742	0.375772	0.460254	0.438583	0.417695
0.219314	0.399738	0.466628	0.430412	0.339092	0.391591	0.376299	0.356641	0.443658	0.419721	0.401895
3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3	3524779.2	4084925.12	6338111.37	5173888.21	4056237.57
2728724.69	3156735.08	3976566.01	3909503.74	2298139.42	3130656.34	3126976.76	3591721.32	4142698.94	3520085.02	3294037.64
11461.4106	11338.9981	12185.1029	12720.6002	8941.35481	12487.5502	11472.1539	11057.2668	12937.3328	11440.3647	11882.0992
-34138.787	-26292.8	-37166.726	-38940.2	-25512.017	-18963.299	-25779.975	-43173.35	-33762.571	-29728.989	-21974.845
3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33	3344449.34	3185189.85	3573783.01	3248893.65	3411338.33
0.036663	0.036799	0.034404	0.035121	0.036976	0.032203	0.03649	0.034045	0.03354	0.035176	0.034686
317287.504	539726.647	626597.349	636454.708	421607.224	579106.291	505962.416	456005.754	623498.583	537464.705	540976.054
720735.505	955641.148	1209975.43	1207840.86	790473.853	1028560.94	875881.125	767067.585	1315160.65	1106432.59	1032120.69
3.181705	3.140832	3.23334	3.187381	3.14317	3.144	3.143643	3.139803	3.335709	3.325641	3.247795
403458.857	788869.687	874906.471	897133.181	611229.787	852656.06	777293.838	724139.971	910739.09	789395.434	805128.983
39057.8232	30778.3104	85499.3691	66856.6222	14288.0168	11074.9185	12772.7978	20982.9069	46283.9318	35327.0573	16789.2769
95383.703	118844.228	118692.812	129886.799	106332.834	129931.212	118327.282	111750.232	124520.519	112732.615	118680.266
270.976428	353.703059	353.252416	352.953258	349.779059	353.073945	352.164529	349.219475	353.751474	352.289421	353.215077
129219.2	123345.6	123345.6	135092.8	111598.4	135092.8	123345.6	117472	129219.2	117472	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
28339.698	49305.978	57556.548	58145.584	37842.126	52901.128	46414.88	41895.39	57329.194	49305.47	49572.084
203.979818	250.727693	289.431345	228.558229	241.5193	195.055386	188.907207	186.69229	251.620844	320.92642	235.833667
37.965637	36.584402	37.267431	37.054696	37.325507	36.540981	36.454455	36.401316	38.499689	38.486769	37.671598
1217253.59	1872074.82	2239635.38	2258265.59	1508031.26	2021432.82	1774745.15	1597808.86	2374997.88	2030517.03	1968092
2326559.31	2806680.32	3861160.63	3692001.7	2827559.68	2888295.22	2456395.88	2278394.73	4673218.49	3802073.75	3065084.78
83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059	91534.0948	103832.877	112661.474	98339.0928	93043.0499
1109305.72	934605.497	1621525.25	1433736.11	1319528.41	866862.397	681650.725	680585.866	2298220.61	1771556.72	1096992.79
3161181.77	3495117.38	4556995.23	4391295.5	3389447.28	3681577.32	3203550.2	3010470.55	5896676.79	4808989.97	3987167.44
1014.48	1470.25	1641.46	1645.54	1214.19	1449.57	1254.8	1098.89	1600.25	1514.18	1442.46
234808.497	240321.076	119906.768	197209.636	302927.964	422755.887	248804.427	70130.0634	305593.852	264566.44	348612.194
31.010814	30.799065	37.707629	34.672342	29.911792	30.079173	30.045577	30.630705	42.061653	39.511706	33.329827
727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544	665442.393	1166927.49	1001371.93	828509.143	598983.804
302.99	261.87	287.24	304.68	241.33	251.16	262.69	301.49	291.66	260.43	246.84

195.923031	214.116263	255.287045	241.925507	199.863286	180.806883	194.75661	244.288139	221.553913	219.411447	190.755922
7.245295	6.41967	7.869996	10.333877	6.757639	8.140477	8.311411	8.794949	7.067385	7.046996	5.922707
37,590	30,330	38,815	41,830	30,209	26,514	29,572	43,918	37,046	32,856	27,141
534551.283	394866.402	180172.524	314279.265	762674.383	658823.319	352742.966	99976.2254	569702.739	472025.405	538937.67
2.343932	3.345973	2.09543	3.091628	2.603842	5.146721	3.765469	1.024642	2.317985	3.279586	3.535642
3,451	4,037	1,648	2,890	4,697	7,551	3,792	745	3,283	3,127	5,167
30.585541	40.031455	50.61042	42.680714	27.019472	34.946041	36.853596	40.848367	48.131435	48.324282	40.880777
30.529185	39.965661	50.570444	42.676257	26.999089	34.892056	36.832503	40.824767	48.054273	48.308507	40.800136
-34138.787	-26292.8	-37166.726	-38940.2	-25512.017	-18963.299	-25779.975	-43173.35	-33762.571	-29728.989	-21974.845
-96.98519	-78.252381	-110.61526	-105.81576	-83.921109	-51.530704	-76.726115	-134.91672	-95.916395	-92.903089	-65.401325
-6097069.3	-6634170.3	-7579713	-7782114.5	-5093725.7	-6873593.9	-6656769.8	-7013169.7	-7780459.3	-6853031	-6809623.6
-72.766886	-71.197002	-69.719528	-69.153768	-65.027482	-74.484821	-72.73342	-67.551746	-69.074376	-69.695676	-73.198948
-6097069.3	-6634170.3	-7579713	-7782114.5	-5093725.7	-6873593.9	-6656769.8	-7013169.7	-7780459.3	-6853031	-6809623.6
46197.1156	62888.1142	69953.5556	70750.6132	48045.6269	65773.4318	61961.9129	59914.6945	75615.8306	65483.1785	65901.652
2000957.73	2477613.55	2781142.97	2796341.65	1914596.6	2596545.8	2461534.37	2424793.83	3141327.01	2691575.88	2695053.83
5970743.17	6389746.6	7309027.26	7504272.96	4905604.24	6608922.67	6415957.26	6790798.72	7501081.87	6610347.79	6561299.81
6163958.84	6674001.72	8324277.78	8303155.79	4526472.68	6484209.9	6728656.69	7857749.99	7932751.07	6966831.53	6621345.94
0.099173				0.004784			0.00909			
603550.811	767989.615	927750.687	944454.246	638940.595	754464.109	732060.481	811787.293	937622.773	808063.096	759853.805
4.79	4.8	5.23	4.38	4.58	4.47	3.9	4.1	5.53	5.58	4.15
32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584	40309.9123	36712.112	39878.9008	40904.1434	37831.7953
9258251.06	10129287.7	12136708.2	12173410	8483173.03	10555171.3	9860319.98	10023640.2	13677136.1	11662021	10796791
5754542.22	6784838.35	8792258.86	8510441.67	5457242.67	6892202.92	6515870.64	6838450.36	10103353.1	8413127.37	7385452.68
1124194.36	1744510.83	2084881.9	2104974.05	1401703.64	1881217	1653174.96	1491207.56	2225899.74	1895828.02	1837249.68
49648.3106	66925.2625	71601.8087	73640.6074	52742.3174	73324.1065	65754.12	60659.5275	78898.9026	68610.1042	71068.2046
32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584	40309.9123	36712.112	39878.9008	40904.1434	37831.7953
5754542.22	6784838.35	8792258.86	8510441.67	5457242.67	6892202.92	6515870.64	6838450.36	10103353.1	8413127.37	7385452.68
60992.9112	92182.8755	114717.499	113412.139	71100.2804	97647.1645	81260.2782	69889.1956	109219.239	93784.8658	93010.5248
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35
21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785	19339.24	18764.1375	21569.7086	19304.6342	21496.1206
834622.457	688437.063	695834.594	699293.797	561887.605	793282.097	747154.318	732075.818	1223458.3	1006916.22	922082.659
-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44	-228379.45	-201269.62	112591.895	40877.347	-190716.7
1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54	975533.764	933345.438	1110866.4	966038.872	1112799.35

2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02
3573783.01	3573783.01	3248893.65	3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
-3573783	-3573783	-3248893.6	-3573783	-3573783	-3248893.6	-3736227.7	-3248893.6	-3411338.3	-3645258.7	-3313871.5
-3573783	-3573783	-3248893.6	-3573783	-3573783	-3248893.6	-3736227.7	-3248893.6	-3411338.3	-3645258.7	-3313871.5
3573783.01	3573783.01	3248893.65	3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
3573783.01	3573783.01	3248893.65	3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
3573783.01	3573783.01	3248893.65	3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
39.339223	40.696153	40.376873	50.913083	46.283543	39.019943	39.259403	39.099763	39.897953	57.7073	53.77685
25.228441	25.228329	25.228441	25.228441	25.228404	25.228385	25.228404	25.22846	25.228497	25.733008	25.732972
39.214361	40.571291	40.252011	50.788221	46.158681	38.895081	39.134541	38.974901	39.773091	57.582796	53.652346
39.310409	40.667339	40.348059	50.884269	46.254729	38.991129	39.230589	39.070949	39.869139	57.678568	53.748118
38.590049	39.946979	39.627699	50.163909	45.534368	38.270768	38.510229	38.350588	39.148779	56.960279	53.029829
38.868588	40.225518	39.906238	50.442448	45.812908	38.549308	38.788768	38.629128	39.427318	57.238017	53.307567
39.291199	40.648129	40.328849	50.865059	46.235519	38.971919	39.211379	39.051739	39.849929	57.659414	53.728964
39.329618	40.686548	40.367268	50.903478	46.273938	39.010338	39.249798	39.090158	39.888348	57.697723	53.767272

23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.710545	23.710545
1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.4	1.4
39.03187	40.3888	40.06952	50.60573	45.97619	38.71259	38.95205	38.79241	39.5906	57.40083	53.47038
5.28005	4.940747	4.905599	4.924915	4.933082	4.948988	5.062639	5.917889	6.693751	6.76014	6.808141
30.673287	31.549622	31.333849	38.359599	35.273916	30.43284	30.601953	30.566801	31.163586	43.127385	40.511082
30.673287	31.549622	31.333849	38.359599	35.273916	30.43284	30.601953	30.566801	31.163586	43.127385	40.511082
0.27788	0.27788	0.27788	0.13894	0.27788	0.97258	0.13894			0.41682	0.55576
0.000479	0.00358	0.002055	0.003956	0.002338	0.010651	0.000966			0.012297	0.009009
0.000479	0.003106	0.002055	0.003484	0.001944	0.010638	0.000966			0.012297	0.00825
	22.114229	605.767787	2902.8435	775.58004	2073.08113				4296.99027	857.766282
	0.085543	1.867138	8.128742	2.319686	6.756854				13.206221	2.541701
3.8	24.6	14.8	27.6	15.4	76.6	8			97.4	59.4
0.031789	0.022698	0.028343	0.024744	0.035227	0.035	0.02519	0.030812	0.032083	0.024062	0.03025
52.7972	341.7924	205.6312	383.4744	213.9676	1064.2804	111.152			1353.2756	825.303599
1227.30434	7945.18074	4780.02744	8914.10522	4973.81233	24739.8717	2583.79861			32086.9031	19568.3988
0.493206	0.493206	0.493206	0.246603	0.493206	1.726223	0.246603			0.754603	1.006137
74.692198	483.533708	290.906458	542.501233	302.699963	1505.63748	157.246734			1952.64136	1190.83056
7668.225	7740.225	6995.925	7724.025	7641	6948	8071.425	6978.15	7317.45	7729.425	6982.2
21.78473	21.989275	21.862265	21.943252	21.707386	21.7125	21.93322	21.806718	21.778125	21.958593	21.819375
7920	7920	7200	7920	7920	7200	8280	7200	7560	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
3.8	24.6	14.8	27.6	15.4	76.6	8			97.4	59.4
7.045871	7.019599	6.908552	3.447143	7.025179	24.578987	3.452679			10.538555	14.202228
7.045871	7.019599	6.908552	3.447143	7.025179	24.578987	3.452679			10.538555	14.202228
1328.08934	8492.80164	5111.54669	9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
1386.89243	10709.9499	5715.25485	15719.3129	6763.01172	37112.1208	3275.63465			40593.3109	28532.6223
58.803088	2217.14827	603.708152	6205.1977	1434.55623	10691.7308	513.490898			6390.0288	7660.95531

1386.89243	10709.9499	5715.25485	15719.3129	6763.01172	37112.1208	3275.63465			40593.3109	28532.6223
1.14	2.77	5.5	3.03	2.79	13.22	0.62			9.79	8.32
1328.08934	8470.68742	4505.77891	6611.27175	4552.87545	24347.3089	2762.14375			29906.2918	20013.9007
1386.89243	10679.3773	4992.78995	10658.3	5799.30816	34265.6714	3275.63465			35432.9581	27456.0049
0.4	0.399459	0.395969	0.18277	0.396078	1.296537	0.2			0.584783	0.793277
3.8	24.535705	13.038794	19.19093	13.145083	70.659093	8			85.151999	56.962223
	343.950668	351.118245	345.410653	354.437501	364.97897				354.695305	362.257398
	3.439506	7.022364	3.454106	7.08875	21.275662				10.640859	10.646828
3.8	24.6	14.8	27.6	15.4	76.6	8			97.4	59.4
0.010795	0.069886	0.04625	0.078409	0.04375	0.239375	0.021739			0.276704	0.185625
58.803088	2217.14827	603.708152	6205.1977	1434.55623	10691.7308	513.490898			6390.0288	7660.95531
58.803088	2217.14827	603.708152	6205.1977	1434.55623	10691.7308	513.490898			6390.0288	7660.95531
	0.064294	1.761205	8.409069	2.254916	5.940906				12.248	2.437776
	22.114229	605.767787	2902.8435	775.58004	2073.08113				4296.99027	857.766282
0.13	0.27	0.31	0.12	0.09	0.64	0.07			1.4	0.53
-58.803088	-2217.1483	-603.70815	-6205.1977	-1434.5562	-10691.731	-513.4909			-6390.0288	-7660.9553
-1445.6955	-12896.526	-5596.4981	-16863.498	-7233.8644	-44957.402	-3789.1255			-41822.987	-35116.96
		0.02	0.03	0.02	0.03				0.13	0.02
49.1834	307.3653	225.9457	468.7377	251.6677	1078.843	109.3471			1576.1137	932.8939
0.02	0.03	0.02	0.02	0.03	0.07	0.01			0.03	0.03
21.0768	31.6152	21.0768	21.0768	31.6152	73.7688	10.5384			32.2476	32.2476
1328.08934	8492.80164	5111.54669	9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
1328.08934	8492.80164	5111.54669	9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
1301.99654	8428.71445	5070.93389	9456.60645	5276.5123	26245.5092	2741.04535			34039.5445	20759.2294
3.8	24.6	14.8	27.6	15.4	76.6	8			97.4	59.4
21.0768	31.6152	21.0768	21.0768	31.6152	73.7688	10.5384			32.2476	32.2476
1328.08934	8492.80164	5111.54669	9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
5.016	32.472	19.536	36.432	20.328	101.112	10.56			131.49	80.19
5.18045	3.7676	5.08626	6.31073	5.46302	2.63732	4.52112	3.10827	2.54313	4.615309	4.89788
0.155358	0.211059	0.186718	0.277059	0.253001	0.173771	0.178637	0.137094	0.123676	0.239625	0.215355
0.149857	0.205142	0.180093	0.268806	0.245994	0.168218	0.175	0.133937	0.122321	0.234034	0.210093
34180.564	96431.6617	118599.814	304544.034	260721.081	81023.5937	61943.6962	67675.9502	160750.396	269951.267	203188.749
133.863087	391.783906	386.603439	884.5998	798.801985	289.078082	237.14121	238.133162	479.215986	825.721819	641.49651
3059.5	4188.18	3342.54	5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34

0.029346	0.03284	0.032812	0.032471	0.030795	0.033468	0.030597	0.036125	0.025476	0.021875	0.031531
28817.4305	39448.4674	31483.3843	51691.0952	47304.2902	29407.4367	35181.8488	23414.5037	22453.0122	45004.3588	36727.8835
159951.363	199283.06	159987.514	263391.98	242210.987	143845.716	192551.588	149978.823	153867.782	294849.753	237648.16
2.93452	2.013045	2.679322	3.332547	2.88718	1.394821	2.513163	2.011917	1.82496	2.879689	3.086337
5236.75748	15983.4531	19630.5267	50039.6723	42685.5255	13741.167	9630.09657	9118.25179	20479.8217	35557.4096	27263.5976
19816.86	19745.52	17951	19753.06	19787.28	17938.82	20690.92	17889.52	18991.52	19969.4	17974.78
56.297897	56.095227	56.096875	56.116647	56.213863	56.058812	56.225326	55.90475	56.52238	56.73125	56.171187
20416	20416	18560	20416	20416	18560	21344	18560	19488	20416	18560
58	58	58	58	58	58	58	58	58	58	58
3059.5	4188.18	3342.54	5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34
32.82236	22.714046	30.395811	37.724362	32.626279	15.762703	28.188488	22.066921	19.787437	31.913389	34.021425
32.82236	22.714046	30.395811	37.724362	32.626279	15.762703	28.188488	22.066921	19.787437	31.913389	34.021425
188414.863	238267.58	191168.006	314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
330282.279	480725.882	336857.534	585206.238	506106.207	481745.37	373876.171	265907.275	275190.565	690230.364	559196.239
141867.416	242458.301	145689.527	270655.109	217209.013	308876.732	146501.383	92736.142	99126.9656	350099.781	284608.821
330282.279	480725.882	336857.534	585206.238	506106.207	481745.37	373876.171	265907.275	275190.565	690230.364	559196.239
168.9	119.34	142.3	206.45	177.28	89.94	130.88	90.22	83.81	229.6	202.85
154234.299	141835.919	72568.1923	10007.0945	28176.113	91845.0438	165431.092	105495.182	15313.2036	70179.3164	71398.6693
267879.5	290703.081	123393.777	16472.3434	46114.4497	249806.949	273907.457	163734.94	23048.8848	143626.861	151850.753
27.83075	15.031043	17.023477	7.535388	9.515932	10.580672	22.612104	12.902624	4.964669	11.197718	12.115706
2503.52193	2491.24263	1258.39872	175.328901	490.366773	1663.26251	2712.78822	1517.80995	209.490447	1002.96731	1004.80793
60.850749	57.72505	57.786155	60.756611	59.508276	57.29658	60.042631	68.226196	77.954385	68.116874	68.298359
30.960922	23.064169	31.149954	40.689777	34.508599	16.03695	27.574268	22.502573	21.026038	33.358118	35.496927
3059.5	4188.18	3342.54	5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34
8.691761	11.898238	10.445437	15.590795	14.26767	9.756687	10.15	7.768375	7.094642	13.573977	12.185437
141867.416	242458.301	145689.527	270655.109	217209.013	308876.732	146501.383	92736.142	99126.9656	350099.781	284608.821
141867.416	242458.301	145689.527	270655.109	217209.013	308876.732	146501.383	92736.142	99126.9656	350099.781	284608.821
555.978074	1696.93737	2084.14128	5312.6311	4531.85323	1458.87749	1022.41178	968.070049	2174.30955	3775.07269	2894.53207
34180.564	96431.6617	118599.814	304544.034	260721.081	81023.5937	61943.6962	67675.9502	160750.396	269951.267	203188.749
18.43	17.83	12.6	4.5	8.88	6.82	23.1	15.73	4.76	8.75	10.3
-141867.42	-242458.3	-145689.53	-270655.11	-217209.01	-308876.73	-146501.38	-92736.142	-99126.966	-350099.78	-284608.82
-409746.92	-533161.38	-269083.3	-287127.45	-263323.46	-558683.68	-420408.84	-256471.08	-122175.85	-493726.64	-436459.57
1.24	2.83	7.29	25.85	19.02	2.68	3.27	3.13	12.16	10.83	8.94
13238.0237	17613.0038	17065.7701	32661.1741	28165.6178	14444.0143	16576.6221	11964.8277	13747.8376	26731.4323	21109.8712
0.4	0.59	0.61	0.93	0.58	0.36	0.64	0.46	0.35	0.55	0.42

193.72	285.737	295.423	450.399	280.894	174.348	309.952	222.778	169.505	271.6945	207.4758
188414.863	238267.58	191168.006	314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
188414.863	238267.58	191168.006	314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
159951.363	199283.06	159987.514	263391.98	242210.987	143845.716	192551.588	149978.823	153867.782	294849.753	237648.16
3059.5	4188.18	3342.54	5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34
193.72	285.737	295.423	450.399	280.894	174.348	309.952	222.778	169.505	271.6945	207.4758
188414.863	238267.58	191168.006	314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
28269.78	38698.7832	30885.0696	50708.7504	46405.3128	28848.5736	34513.248	22969.5312	22026.312	45009.1368	36731.7828
						0.03			0.18	0.14
11.079742	11.141128	11.061525	10.926074	11.006282	11.290875	11.079147	11.091304	11.094518	10.995938	11.033312
0.62136	0.61369	0.631011	0.696557	0.671179	0.53882	0.622055	0.62645	0.634397	0.693199	0.66214
0.599364	0.593873	0.61046	0.670996	0.647065	0.516318	0.599478	0.600891	0.616055	0.671529	0.637944
753495.194	822703.139	786172.606	963564.518	930869.869	666569.647	849957.053	768684.508	851764.469	982571.219	849237.941
3025.12214	3403.24771	2797.49401	2919.56434	2988.93147	2557.19768	3329.78217	2768.06688	2592.38181	3029.69227	2724.99279
23418.364	23203.82	21683.546	26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
0.035482	0.032073	0.034531	0.038721	0.039005	0.043531	0.035815	0.040062	0.02863	0.031647	0.036968
256379.185	254268.096	236861.336	283859.216	274555.903	203548.052	267970.282	233371.87	250982.576	284315.556	246457.507
347814.471	345513.068	320309.005	384533.835	371924.399	275672.777	362228.327	316098.211	340167.994	397736.103	344458.022
3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.2929	3.2929
481223.73	477261.217	444588.727	532803.749	515341.43	382059.694	502980.219	438039	471094.295	538180.916	466519.415
37685.61	37818.81	34293.45	37559.07	37547.97	33973.77	39385.02	34096.98	36228.18	37835.46	34206.87
107.061392	107.439801	107.167031	106.701903	106.670369	106.168031	107.02451	106.553062	107.821964	107.487102	106.896468
39072	39072	35520	39072	39072	35520	40848	35520	37296	39072	35520
111	111	111	111	111	111	111	111	111	111	111
23418.364	23203.82	21683.546	26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
37.882531	38.06309	37.858907	37.353888	37.695031	38.734882	37.899916	37.994581	37.93714	38.350384	38.571266
37.517398	37.713284	37.465028	37.023715	37.281032	38.201293	37.520414	37.552872	37.566669	38.017818	38.143096
877771.565	870941.166	810373.728	971024.828	940045.055	697849.977	916301.156	799851.95	858933.263	990550.078	860181.411
1185710.01	1291852.84	1120253.51	1649442.17	1458177.92	1122351.54	1232027.63	1060476.63	1163328.12	1916250.35	1600246.83
307938.442	420911.674	309879.779	678417.34	518132.861	424501.559	315726.477	260624.683	304394.854	925700.269	740065.421
1185710.01	1291852.84	1120253.51	1649442.17	1458177.92	1122351.54	1232027.63	1060476.63	1163328.12	1916250.35	1600246.83
339.51	340.71	308.95	338.37	338.27	306.07	354.82	307.18	326.38	340.86	308.17
116993.511	41141.9077	17105.0021	177.450126	1145.36577	23623.9899	58594.3931	23230.9922	166.044412	836.609367	2753.69015
222029.432	92178.2281	30405.0254	248.387927	1602.5777	68084.153	109271.955	47067.1889	310.36476	2548.21686	7810.29925

24.302243	13.687988	12.395859	1.74691	4.424665	8.533369	16.011776	10.746444	1.613454	2.194598	4.919286
3244.82791	1138.74882	476.653407	4.967353	31.910279	658.358071	1633.30746	644.148319	4.655264	22.983113	75.503217
26.585422	23.919805	28.174538	31.904639	31.42934	18.530712	26.791815	29.1462	32.961646	35.730019	34.16116
26.541422	23.905373	28.164388	31.903902	31.427257	18.524846	26.770173	29.136255	32.961336	35.729584	34.160223
23418.364	23203.82	21683.546	26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
66.529443	65.919943	67.761081	74.480585	71.824289	57.311381	66.542157	66.698956	68.382136	74.539818	70.8118
173929.042	288005.74	186072.359	530044.128	374622.491	318106.992	175658.41	138641.206	173206.262	777088.528	611242.082
173929.042	288005.74	186072.359	530044.128	374622.491	318106.992	175658.41	138641.206	173206.262	777088.528	611242.082
20173.5361	22065.0712	21206.8926	26212.1986	25250.2397	17681.2839	22854.2065	20699.5177	22971.7427	26215.0329	22584.2728
753495.194	822703.139	786172.606	963564.518	930869.869	666569.647	849957.053	768684.508	851764.469	982571.219	849237.941
20.52	7.37	4.55	0.12	0.52	3.19	13.94	9.97	0.25	0.55	1.93
-307938.44	-420911.67	-309879.78	-678417.34	-518132.86	-424501.56	-315726.48	-260624.68	-304394.85	-925700.27	-740065.42
-529967.87	-513089.9	-340284.8	-678665.73	-519735.44	-492585.71	-424998.43	-307691.87	-304705.22	-928248.49	-747875.72
221.51	240.13	228.35	237.09	242.53	234.12	241.95	235.5	278.16	251.81	230.71
82276.128	80047.002	84330.0081	108140.58	102362.968	77359.903	87920.1329	82697.0768	104482.098	107910.255	93314.4349
0.78	0.76	0.76	0.78	0.86	0.82	0.83	0.85	0.75	0.75	0.86
7282.86	7096.12	7096.12	7282.86	8029.82	7656.34	7749.71	7936.45	7002.75	7142.25	8189.78
1011780.97	1003847.1	934181.149	1119398.04	1083555.43	804244.544	1056369.22	921835.427	990121.856	1139161.82	989004.75
1011780.97	1003847.1	934181.149	1119398.04	1083555.43	804244.544	1056369.22	921835.427	990121.856	1139161.82	989004.75
829038.201	822774.285	764897.732	917337.584	887265.829	657732.471	865208.546	754137.212	811262.289	935917.019	810977.436
23418.364	23203.82	21683.546	26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
7282.86	7096.12	7096.12	7282.86	8029.82	7656.34	7749.71	7936.45	7002.75	7142.25	8189.78
1011780.97	1003847.1	934181.149	1119398.04	1083555.43	804244.544	1056369.22	921835.427	990121.856	1139161.82	989004.75
41450.5043	41070.7614	38379.8764	46404.3838	44749.4055	32461.1663	43342.8998	37778.2888	40668.2245	47490.809	41014.1946
37.64	13.48	10.04	0.37	1.89	6.96	27.72	11.79	0.23	0.58	2.28
0.3	0.3	0.3	0.15	0.3	1.05	0.15	0.15		0.45	0.6
0.000216	0.00337	0.001281	0.004119	0.002102	0.010008	0.000923	0.000032		0.009589	0.008288
0.000198	0.003323	0.001281	0.004119	0.002102	0.01	0.000923	0.000031		0.008181	0.008281
	89.613428	66.582899	308.060362	148.213458	220.773308				452.762024	90.552404
	0.382452	0.202258	0.86949	0.460648	0.716365				1.390064	0.265664
0.21	3.51	1.23	4.35	2.22	9.6	1.02	0.03		8.64	7.95
0.034943	0.032301	0.038062	0.030454	0.024886	0.030968	0.023233	0.031437	0.029255	0.045255	0.032187
3.15	52.65	18.45	65.25	33.3	144	15.3	0.45		129.6	119.25

73.223744	1223.88258	428.881931	1516.77756	774.079583	3347.37117	355.658186	10.460534		3072.88674	2827.48259
0.493206	0.493206	0.493206	0.246603	0.493206	1.726223	0.246603	0.246603		0.754603	1.006137
4.456305	74.483955	26.101215	92.309175	47.10951	203.7168	21.64491	0.636615		186.99984	172.065825
1019.1	1021.89	923.46	1023.84	1029.72	930.27	1078.35	929.82	978.51	1008.21	929.1
2.89517	2.903096	2.885812	2.908636	2.92534	2.907093	2.930298	2.905687	2.912232	2.864232	2.903437
1056	1056	960	1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3	3	3	3
0.21	3.51	1.23	4.35	2.22	9.6	1.02	0.03		8.64	7.95
7.398099	7.398099	7.398099	3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
7.398099	7.398099	7.398099	3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
77.680049	1298.36654	454.983146	1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
79.892338	1598.53575	502.371216	2605.94351	1003.12603	4893.5837	427.002011	11.102208		3816.47517	4034.91413
2.212289	300.169208	47.388069	996.856772	181.936934	1342.49573	49.698914	0.005058		556.588591	1035.36571
79.892338	1598.53575	502.371216	2605.94351	1003.12603	4893.5837	427.002011	11.102208		3816.47517	4034.91413
0.07	1.17	0.41	1.45	0.74	3.2	0.34	0.01		2.88	2.65
77.680049	1208.75311	388.400246	1301.02637	672.975635	3330.31466	377.303096	11.097149		2807.12455	2908.99601
79.892338	1481.09953	424.407345	2070.35658	820.821638	4585.04024	427.002011	11.102208		3283.92076	3936.32232
0.06	0.059978	0.06	0.029806	0.059818	0.208083	0.03	0.03		0.09	0.12
0.21	3.267739	1.05	3.51719	1.81932	9.003162	1.02	0.03		7.44	7.71
	369.904996		369.904996	369.904996	369.904996					
	3.699049		3.699049	3.699049	3.699049					
0.21	3.51	1.23	4.35	2.22	9.6	1.02	0.03		8.64	7.95
0.000596	0.009971	0.003843	0.012357	0.006306	0.03	0.002771	0.000093		0.024545	0.024843
2.212289	300.169208	47.388069	996.856772	181.936934	1342.49573	49.698914	0.005058		556.588591	1035.36571
2.212289	300.169208	47.388069	996.856772	181.936934	1342.49573	49.698914	0.005058		556.588591	1035.36571
	0.24226	0.18	0.832809	0.400679	0.596837				1.2	0.24
	89.613428	66.582899	308.060362	148.213458	220.773308				452.762024	90.552404
	0.03									
-2.212289	-300.16921	-47.388069	-996.85677	-181.93693	-1342.4957	-49.698914	-0.005058		-556.58859	-1035.3657
-82.104627	-1781.2687	-471.79542	-3067.2133	-1002.7586	-5927.536	-476.70093	-11.107266		-3840.5094	-4971.688
18.5203	291.8815	126.249	490.3461	241.0828	901.4031	93.3348	2.9413		923.9964	833.2019
0.03	0.18	0.16	0.21	0.2	0.69	0.06	0.01		0.38	0.68
77.680049	1298.36654	454.983146	1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
77.680049	1298.36654	454.983146	1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841

77.680049	1298.36654	454.983146	1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
0.21	3.51	1.23	4.35	2.22	9.6	1.02	0.03		8.64	7.95
77.680049	1298.36654	454.983146	1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
11.661772	11.819196	11.614096	11.422647	11.543222	12.133102	11.644436	11.668046	11.678118	11.578318	11.632578
0.690032	0.644316	0.714224	0.765793	0.744809	0.558143	0.698529	0.704727	0.695134	0.748497	0.713864
0.655447	0.391335	0.685099	0.729785	0.713319	0.477934	0.66911	0.671518	0.57138	0.718629	0.677045
290760.517	174629.804	274736.067	319248.675	313525.06	198194.604	309615.933	270524.315	241237.155	321718.605	276803.196
1171.93167	724.317327	982.322775	971.235925	1009.3837	767.750425	1216.73546	976.349298	730.859416	992.59115	888.718026
9920.85	5923.26	9426.97	11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
0.049857	0.047869	0.04175	0.047159	0.042017	0.049187	0.041847	0.046843	0.041071	0.041107	0.051593
113740.263	68305.4283	107649.076	124891.721	122596.531	77611.6871	121255.394	105707.888	94361.2366	123436.189	106341.543
154021.145	92552.3034	145276.535	168927.542	166019.611	105111.449	163828.414	143418.678	127766.902	172832.165	148600.49
2.451899	2.451899	2.451899	2.4519	2.4519	2.451899	2.4519	2.4519	2.451899	2.5022	2.5022
125330.395	75265.7514	118618.517	137618.187	135089.117	85520.318	133611.319	116479.522	103976.647	136051.367	117209.649
14381.35	9177.92	13185.52	14422.2	14500.03	11768.67	15161.8	13115.43	11864.56	14513.79	13050.07
40.856107	26.073636	41.20475	40.972159	41.193267	36.777093	41.200543	40.985718	35.31119	41.232357	40.781468
15136	15136	13760	15136	15136	13760	15824	13760	14448	15136	13760
43	43	43	43	43	43	43	43	43	43	43
9920.85	5923.26	9426.97	11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
30.379021	30.925777	30.149351	29.73444	29.887204	31.655018	30.245581	30.307797	30.38322	30.637663	30.920167
29.734302	30.122508	29.627072	29.151326	29.442576	30.891547	29.6959	29.745343	29.780449	30.146849	30.287294
296302.321	178278.158	278753.875	324975.205	317681.413	202258.594	314557.375	274726.85	245254.963	326052.292	281655.042
470676.161	317487.41	454270.762	639564.876	584891.076	390039.268	500099.377	438353.96	397564.647	759008.141	616362.72
174373.84	139209.252	175516.886	314589.671	267209.663	187780.674	185542.002	163627.11	152309.684	432955.849	334707.679
470676.161	317487.41	454270.762	639564.876	584891.076	390039.268	500099.377	438353.96	397564.647	759008.141	616362.72
334.45	213.44	306.64	335.4	337.21	273.69	352.6	305.01	275.92	337.53	303.49
22.617082	25.225336	30.275088	31.68696	31.312986	15.556486	25.638692	33.470052	30.413258	33.379254	32.803222
6.106612	11.855908	6.96327	7.60487	8.454506	3.111297	5.896899	8.032812	6.082651	8.678606	4.920483
9920.85	5923.26	9426.97	11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
28.184232	16.827443	29.459281	31.380795	30.672755	20.551187	28.771739	28.875312	24.569375	30.901079	29.112968

114921.805	103506.005	119248.714	249308.768	203128.457	147213.046	122161.808	108373.597	102987.066	368435.753	279122.954
114921.805	103506.005	119248.714	249308.768	203128.457	147213.046	122161.808	108373.597	102987.066	368435.753	279122.954
9920.85	5923.26	9426.97	11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
290760.517	174629.804	274736.067	319248.675	313525.06	198194.604	309615.933	270524.315	241237.155	321718.605	276803.196
-174373.84	-139209.25	-175516.89	-314589.67	-267209.66	-187780.67	-185542	-163627.11	-152309.68	-432955.85	-334707.68
-174373.84	-139209.25	-175516.89	-314589.67	-267209.66	-187780.67	-185542	-163627.11	-152309.68	-432955.85	-334707.68
3.41	6.6	2.3	2.09	2.68	1.92	2.16	2.68	2.12	3.05	1.59
	0.363636				0.099999			0.142857		
79784.4183	48220.5519	83453.9182	105614.838	101482.381	67246.3648	86766.862	81722.6515	86461.2634	105818.847	91127.6553
1.2	0.79	0.87	1.24	0.9	0.88	1.07	0.91	0.87	0.92	1.03
5541.804	3648.3543	4017.8079	5726.5308	4156.353	4063.9896	4941.4419	4202.5347	4017.8079	4333.6876	4851.8459
355754.357	213981.406	335022.047	390256.108	381762.619	242826.222	377937.569	329980.363	294577.581	390572.388	337239.766
355754.357	213981.406	335022.047	390256.108	381762.619	242826.222	377937.569	329980.363	294577.581	390572.388	337239.766
279351.54	167818.055	263895.052	306545.729	301108.728	190631.767	297439.733	259898.2	231743.549	308883.532	265810.139
9920.85	5923.26	9426.97	11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
5541.804	3648.3543	4017.8079	5726.5308	4156.353	4063.9896	4941.4419	4202.5347	4017.8079	4333.6876	4851.8459
355754.357	213981.406	335022.047	390256.108	381762.619	242826.222	377937.569	329980.363	294577.581	390572.388	337239.766
11408.9775	6811.749	10841.0155	12702.946	12416.3315	7562.837	12176.2	10626.115	9493.6065	12835.0724	10993.057
0.3	0.15	0.3	0.15	0.3	1.05	0.15	0.15		0.45	0.6
0.000207	0.003208	0.001207	0.003944	0.002107	0.010096	0.000923	0.000034		0.009693	0.008281
0.000198	0.002926	0.001187	0.003607	0.002102	0.010062	0.000923	0.000031		0.009517	0.008281
	88.777199	65.405363	210.845848	124.715312	221.942998				452.762024	90.552404
	0.37866	0.198571	0.609587	0.387872	0.711757				1.390064	0.265664
0.21	3.09	1.14	3.81	2.22	9.66	1.02	0.03		10.05	7.95
0.032812	0.029403	0.04025	0.044119	0.017244	0.022781	0.04038	0.042781	0.025059	0.031477	0.029781
3.15	46.35	17.1	57.15	33.3	144.9	15.3	0.45		150.75	119.25
73.223744	1077.4351	397.500326	1328.48793	774.079583	3368.29224	355.658186	10.460534		3574.36478	2827.48259
0.493206	0.246603	0.493206	0.246603	0.493206	1.726223	0.246603	0.246603		0.754603	1.006137
4.456305	65.571345	24.19137	80.850105	47.10951	204.99003	21.64491	0.636615		217.517175	172.065825
1021.35	1024.95	921.36	1009.41	1037.79	938.13	1059.42	918.93	982.74	1022.76	931.41
2.901562	2.911789	2.87925	2.867642	2.948267	2.931656	2.878858	2.871656	2.924821	2.905568	2.910656
1056	1056	960	1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3	3	3	3

0.21	3.09	1.14	3.81	2.22	9.66	1.02	0.03		10.05	7.95
7.398099	3.699049	7.398099	3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
7.398099	3.699049	7.398099	3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
77.680049	1143.00644	421.691696	1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
79.892338	1405.90904	467.034194	2259.46727	1003.12603	4916.09205	427.002011	11.102208		4432.52893	4034.91413
2.212289	262.902595	45.342497	850.129235	181.936934	1342.80978	49.698914	0.005058		640.646971	1035.36571
79.892338	1405.90904	467.034194	2259.46727	1003.12603	4916.09205	427.002011	11.102208		4432.52893	4034.91413
0.07	1.03	0.38	1.27	0.74	3.22	0.34	0.01		3.35	2.65
77.680049	1054.22924	356.286332	1198.49219	696.47378	3351.33927	377.303096	11.097149		3339.11993	2908.99601
79.892338	1289.43717	390.342059	1917.88507	849.316861	4606.58379	427.002011	11.102208		3899.97452	3936.32232
0.06	0.03	0.057562	0.03	0.059882	0.21	0.03	0.03		0.09	0.12
0.21	2.85	0.963183	3.24	1.882845	9.06	1.02	0.03		8.85	7.71
		369.904996		369.904996						
		3.699049		3.699049						
0.21	3.09	1.14	3.81	2.22	9.66	1.02	0.03		10.05	7.95
0.000596	0.008778	0.003562	0.010823	0.006306	0.030187	0.002771	0.000093		0.028551	0.024843
2.212289	262.902595	45.342497	850.129235	181.936934	1342.80978	49.698914	0.005058		640.646971	1035.36571
2.212289	262.902595	45.342497	850.129235	181.936934	1342.80978	49.698914	0.005058		640.646971	1035.36571
	0.24	0.176816	0.57	0.337154	0.6				1.2	0.24
	88.777199	65.405363	210.845848	124.715312	221.942998				452.762024	90.552404
	0.06		0.26							
-2.212289	-262.9026	-45.342497	-850.12924	-181.93693	-1342.8098	-49.698914	-0.005058		-640.64697	-1035.3657
-82.104627	-1552.3398	-435.68456	-2768.0143	-1031.2538	-5949.3936	-476.70093	-11.107266		-4540.6215	-4971.688
18.5203	257.885	117.6217	424.3964	241.0828	908.109	93.3348	2.9413		1081.2912	833.2019
0.03	0.15	0.15	0.19	0.2	0.71	0.06	0.01		0.45	0.68
77.680049	1143.00644	421.691696	1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
77.680049	1143.00644	421.691696	1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
77.680049	1143.00644	421.691696	1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
0.21	3.09	1.14	3.81	2.22	9.66	1.02	0.03		10.05	7.95
77.680049	1143.00644	421.691696	1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
4.405513	4.294902	5.700664	8.266592	6.701278	3.45447	4.968626	3.128304	2.705161	5.555397	5.857074
0.092037	0.142429	0.114747	0.175899	0.159366	0.137967	0.09676	0.070173	0.066493	0.170947	0.143084
0.090193	0.140096	0.111743	0.17125	0.156778	0.133818	0.094434	0.067931	0.063416	0.164528	0.138987

6757.88689	16219.1553	33057.8433	161150.595	110165.759	25709.6153	11527.0295	10020.5732	56738.2065	93612.2863	51680.9089
26.267333	64.885458	103.445881	454.674087	324.710206	88.633775	44.5596	35.59209	165.684839	284.427466	160.448259
1587.4	2465.7	1787.9	3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
0.030482	0.028622	0.030546	0.02686	0.029275	0.02975	0.029198	0.032156	0.028422	0.035326	0.032156
22883	35591.7	25762.3	43476.4	39724.9	31085.1	24951.6	15623.7	15325.4	41796.5	32139.4
127222.583	179300.518	131313.848	224473.058	205007.8	151555.088	137511.894	100748.542	102518.282	271301.73	206211.751
1.679625	1.506046	2.002343	2.888007	2.360646	1.186304	1.869193	1.352154	1.3087	2.193282	2.35686
1218.71225	3277.5453	6424.53823	31241.5299	21318.2194	5250.94293	2149.35582	1524.57865	8373.14882	14100.097	8028.05385
17088.1	17124	15502.7	17168.2	17123	15439.4	17921.4	15503.8	16266.4	16960.7	15517
48.545738	48.647727	48.445937	48.773295	48.644886	48.248125	48.699456	48.449375	48.411904	48.183806	48.490625
17600	17600	16000	17600	17600	16000	18400	16000	16800	17600	16000
50	50	50	50	50	50	50	50	50	50	50
1587.4	2465.7	1787.9	3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
41.149421	42.420859	54.239304	74.59773	64.214574	33.745356	45.202046	36.189613	32.575924	57.890987	63.410346
24.016739	21.753222	28.892282	41.436238	33.775685	17.281724	26.68234	19.338926	18.722085	31.463632	33.825739
127672.432	180184.238	131929.619	225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
213808.345	338105.265	219739.074	396911.52	332657.75	377169.11	217800.734	143535.275	146910.967	481695.04	383069.945
86135.9125	157921.027	87809.4552	171477.226	126973.618	224966.041	79836.5659	42514.5441	44036.4047	209323.316	176290.165
213808.345	338105.265	219739.074	396911.52	332657.75	377169.11	217800.734	143535.275	146910.967	481695.04	383069.945
142.6	183.55	194.4	298.7	261.27	175.96	157.72	96.76	95.77	240.79	246.3
120914.545	163965.083	98871.7754	64283.6985	95518.373	126493.454	126437.139	91000.1573	46136.3553	178759.438	155098.871
202377.215	304250.508	164563.388	110624.928	151073.322	312720.033	201079.294	129583.037	64982.7796	323079.382	292244.906
6.941827	6.963147	8.000854	7.182281	7.358882	5.378267	7.609397	4.924712	3.107116	7.632473	8.368722
1501.10289	2235.41425	1334.4566	825.16686	1258.96749	1772.98807	1585.05873	979.481887	475.59681	1903.65806	1658.63677
83.891434	85.218763	82.223043	86.274172	85.513363	98.069659	79.491613	101.034242	112.788054	97.079151	103.206136
18.456115	23.007498	31.151266	50.003726	40.189668	21.574554	23.052568	19.167408	21.333345	34.919482	37.998268
1587.4	2465.7	1787.9	3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
4.509659	7.004829	5.587187	8.5625	7.83892	6.690937	4.721739	3.396562	3.170833	8.22642	6.949375
86135.9125	157921.027	87809.4552	171477.226	126973.618	224966.041	79836.5659	42514.5441	44036.4047	209323.316	176290.165
86135.9125	157921.027	87809.4552	171477.226	126973.618	224966.041	79836.5659	42514.5441	44036.4047	209323.316	176290.165
86.297107	230.285752	453.443402	2188.83314	1500.33251	368.11193	152.541272	107.418112	589.803189	992.04194	565.163228
6757.88689	16219.1553	33057.8433	161150.595	110165.759	25709.6153	11527.0295	10020.5732	56738.2065	93612.2863	51680.9089
26.22	38.37	25.97	27.14	32.27	33.11	26.38	16.88	12.76	36.87	31.37
-86135.912	-157921.03	-87809.455	-171477.23	-126973.62	-224966.04	-79836.566	-42514.544	-44036.405	-209323.32	-176290.17
-288513.13	-462171.54	-252372.84	-282102.15	-278046.94	-537686.07	-280915.86	-172097.58	-109019.18	-532402.7	-468535.07

0.44	1.72	3.07	22.28	12.14	2.78	0.79	0.8	4.81	7.01	4.16
14129.8937	21629.7595	18719.1655	37365.3842	31686.0504	21947.9105	15236.4573	10429.7388	12402.8657	33621.2515	25384.5596
0.21	0.54	0.39	0.55	0.23	0.21	0.28	0.13	0.25	0.65	0.14
159.713	412.084	293.823	397.859	194.664	159.713	177.186	93.064	175.968	504.479	115.238
127672.432	180184.238	131929.619	225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
127672.432	180184.238	131929.619	225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
127222.583	179300.518	131313.848	224473.058	205007.8	151555.088	137511.894	100748.542	102518.282	271301.73	206211.751
1587.4	2465.7	1787.9	3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
159.713	412.084	293.823	397.859	194.664	159.713	177.186	93.064	175.968	504.479	115.238
127672.432	180184.238	131929.619	225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
290.135999	471.635999	321.948	563.375999	481.667999	488.267999	275.087999	179.124	180.312	565.515	452.79
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0.3	0.15	0.3	0.15	0.3	1.05	0.15	0.15		0.45	0.6
0.000198	0.003588	0.001281	0.003881	0.002102	0.010104	0.000923	0.000031		0.009517	0.008281
0.000198	0.003068	0.001281	0.003352	0.002102	0.010062	0.000923	0.000031		0.009517	0.008281
	113.545718	57.386054	355.936638	162.758198	285.764695				602.53526	120.736539
	0.483686	0.172565	1.005871	0.50625	0.914253				1.849902	0.354219
0.28	4.32	1.64	4.72	2.96	12.88	1.36	0.04		13.4	10.6
0.024403	0.039005	0.030718	0.039147	0.024119	0.025812	0.021032	0.024625	0.035238	0.037244	0.0245
4.2	64.8	24.6	70.8	44.4	193.2	20.4	0.6		201	159
97.631659	1506.31703	571.842574	1645.79083	1032.10611	4491.05632	474.210915	13.947379		4765.81971	3769.97678
0.493206	0.246603	0.493206	0.246603	0.493206	1.726223	0.246603	0.246603		0.754603	1.006137
5.94174	91.672559	34.80162	100.16076	62.812679	273.32004	28.85988	0.84882		290.0229	229.4211
1373.64	1353.08	1240.68	1352.88	1374.04	1246.96	1441.04	1248.48	1296.64	1355.56	1248.64
3.902386	3.843977	3.877125	3.843409	3.903522	3.89675	3.915869	3.9015	3.859047	3.851022	3.902
1408	1408	1280	1408	1408	1280	1472	1280	1344	1408	1280
4	4	4	4	4	4	4	4	4	4	4
0.28	4.32	1.64	4.72	2.96	12.88	1.36	0.04		13.4	10.6
7.398099	3.699049	7.398099	3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
7.398099	3.699049	7.398099	3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
103.573399	1597.98959	606.644194	1745.95159	1094.91879	4764.37636	503.070795	14.796199		5055.84261	3999.39788
106.523117	1980.31877	669.828288	2766.10545	1337.50137	6554.78941	569.336015	14.802944		5910.03857	5379.8855
2.949718	382.329186	63.184093	1020.15387	242.582579	1790.41305	66.265219	0.006744		854.195961	1380.48762
106.523117	1980.31877	669.828288	2766.10545	1337.50137	6554.78941	569.336015	14.802944		5910.03857	5379.8855

0.07	1.08	0.41	1.18	0.74	3.22	0.34	0.01		3.35	2.65
103.573399	1484.44387	549.25814	1390.01495	932.160592	4478.61167	503.070795	14.796199		4453.30735	3878.66134
106.523117	1831.30157	600.495197	2131.99344	1136.70379	6153.36984	569.336015	14.802944		5201.60324	5248.42976
0.08	0.039733	0.078381	0.039143	0.08	0.279797	0.04	0.04		0.119819	0.16
0.28	4.01304	1.484862	3.757762	2.52	12.107464	1.36	0.04		11.803041	10.28
	471.582238	397.404839	616.54734	430.729363	442.071071				424.2649	411.05777
	4.715822	7.948096	6.165473	8.614587	22.103553				12.727947	4.110577
0.28	4.32	1.64	4.72	2.96	12.88	1.36	0.04		13.4	10.6
0.000795	0.012272	0.005125	0.013409	0.008409	0.04025	0.003695	0.000125		0.038068	0.033125
2.949718	382.329186	63.184093	1020.15387	242.582579	1790.41305	66.265219	0.006744		854.195961	1380.48762
2.949718	382.329186	63.184093	1020.15387	242.582579	1790.41305	66.265219	0.006744		854.195961	1380.48762
	0.306959	0.155137	0.962237	0.44	0.772535				1.596958	0.32
	113.545718	57.386054	355.936638	162.758198	285.764695				602.53526	120.736539
0.06	1.01	0.38	0.96	0.62	3.02	0.33	0.01		2.95	2.56
-2.949718	-382.32919	-63.184093	-1020.1539	-242.58258	-1790.413	-66.265219	-0.006744		-854.19596	-1380.4876
-109.47284	-2213.6308	-663.67929	-3152.1473	-1379.2864	-7943.7829	-635.60124	-14.809688		-6055.7992	-6628.9174
	0.07	0.03	0.22	0.11	0.17				0.39	0.08
18.5203	268.8602	126.249	408.132	241.0828	908.109	93.3348	2.9413		1081.2912	833.2019
0.03	0.16	0.16	0.18	0.2	0.71	0.06	0.01		0.45	0.68
103.573399	1597.98959	606.644194	1745.95159	1094.91879	4764.37636	503.070795	14.796199		5055.84261	3999.39788
103.573399	1597.98959	606.644194	1745.95159	1094.91879	4764.37636	503.070795	14.796199		5055.84261	3999.39788
103.573399	1597.98959	606.644194	1745.95159	1094.91879	4764.37636	503.070795	14.796199		5055.84261	3999.39788
0.28	4.32	1.64	4.72	2.96	12.88	1.36	0.04		13.4	10.6
103.573399	1597.98959	606.644194	1745.95159	1094.91879	4764.37636	503.070795	14.796199		5055.84261	3999.39788

10.54796	10.680453	10.535287	10.363751	10.484379	10.885032	10.548933	10.583057	10.591154	10.460575	10.508474
0.501184	0.439559	0.512395	0.590361	0.55781	0.393879	0.500047	0.515128	0.510264	0.585791	0.552832
0.474598	0.299318	0.485881	0.558129	0.52499	0.372234	0.473358	0.489468	0.483685	0.554087	0.526206
332903.945	211142.024	309326.919	388277.851	366153.884	241517.28	346558.747	312197.244	323328.38	391879.695	339235.848
1340.39163	872.811333	1098.96561	1169.96112	1169.66342	925.386493	1360.71077	1125.12648	982.355711	1208.12898	1088.78455
9789.644	6174.106	9111.258	11512.654	10829.074	6980.136	10207.88	9178.506	9523.576	11429.278	9867.426
0.056448	0.070227	0.053687	0.053948	0.061448	0.055468	0.057445	0.052781	0.054613	0.06125	0.054843
100835.441	63778.8233	93783.3944	117557.25	110806.266	73201.0182	105081.376	94434.4523	97913.3344	116463.518	100953.251
136753.83	87054.6556	126827.305	159455.006	150484.936	99144.2371	142078.38	128423.575	132780.556	163194.066	141029.736
3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.3047	3.3047

190447.897	120459.064	177128.697	222030.379	209279.794	138254.763	198467.195	178358.35	184928.915	221828.062	192285.656
19462.818	14020.05	17745.252	19514.386	19359.682	17711.85	20325.996	17762.246	18614.29	19363.784	17723.57
55.292096	39.829687	55.453912	55.438596	54.999096	55.349531	55.233684	55.507018	55.399672	55.01075	55.386156
20627.2	20627.2	18752	20627.2	20627.2	18752	21564.8	18752	19689.6	20627.2	18752
58.6	58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6
9789.644	6174.106	9111.258	11512.654	10829.074	6980.136	10207.88	9178.506	9523.576	11429.278	9867.426
38.934232	41.839634	38.139645	36.958312	38.566819	41.198774	38.722209	39.204283	39.733977	39.483662	40.039463
34.743929	35.171207	34.710567	34.149836	34.537513	35.837587	34.752251	34.8535	34.885864	35.165953	35.327875
360002.291	235248.206	332166.447	413836.07	392759.571	265399.551	373592.899	337126.982	351191.029	422436.436	366373.652
546142.326	394093.295	514635.827	765067.333	672628.783	520988.2	575074.433	510469.077	531829.359	911095.988	760645.348
186140.035	158845.089	182469.38	351231.263	279869.212	255588.649	201481.534	173342.095	180638.33	488659.553	394271.696
546142.326	394093.295	514635.827	765067.333	672628.783	520988.2	575074.433	510469.077	531829.359	911095.988	760645.348
331.52	239.25	302.82	333.01	330.37	302.25	346.86	303.11	317.65	330.44	302.45
73.671794	14.417988	4.724912				9.477906				
98.64565	21.882129	5.879836				18.770481				
1.756103	0.393324	0.13				0.252334				
1.961886	0.393324	0.13				0.252334				
31.095553	28.605518	31.447413	32.091508	31.916859	18.67041	29.748577	34.448969	35.99871	34.576502	35.969409
24.253648	18.57858	23.58556	26.956866	24.575981	14.189512	24.691319	30.315092	27.35902	22.820491	28.056139
9789.644	6174.106	9111.258	11512.654	10829.074	6980.136	10207.88	9178.506	9523.576	11429.278	9867.426
27.811488	17.540073	28.472681	32.706403	30.764414	21.812925	27.738804	28.682831	28.343976	32.469539	30.835706
133433.35	125507.898	133448.8	289784.088	221950.777	217326.477	146555.499	123981.206	129459.03	427784.072	341503.432
133433.35	125507.898	133448.8	289784.088	221950.777	217326.477	146555.499	123981.206	129459.03	427784.072	341503.432
9787.68211	6173.71268	9111.128	11512.654	10829.074	6980.136	10207.6277	9178.506	9523.576	11429.278	9867.426
332903.945	211142.024	309326.919	388277.851	366153.884	241517.28	346558.747	312197.244	323328.38	391879.695	339235.848
0.04						0.01				
-186140.03	-158845.09	-182469.38	-351231.26	-279869.21	-255588.65	-201481.53	-173342.09	-180638.33	-488659.55	-394271.7
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14.29	9.07	15.46	15.5	16.15	17.9	16.98	16.62	13.45	12.05	15.27
	0.272727									
74825.0918	48038.7875	77100.1019	99421.4584	93151.124	72206.706	79776.8756	76619.7803	93562.9057	96125.8167	84694.5168
1.29	1.15	1.09	1.22	1.27	1.14	1.29	1.19	1.33	1.43	1.27
27024.6744	24091.764	22834.8024	25558.2192	26605.6872	23882.2704	27024.6744	24929.7384	27862.6488	30556.7405	27137.8045
412708.976	268585.397	381187.027	475283.245	450678.006	303661.723	428518.934	386487.87	402370.329	483311.916	419141.916
412708.976	268585.397	381187.027	475283.245	450678.006	303661.723	428518.934	386487.87	402370.329	483311.916	419141.916

327201.727	207513.719	303956.002	381485.385	359764.73	237399	340545.575	306781.925	317709.47	385022.128	333315.392
9789.644	6174.106	9111.258	11512.654	10829.074	6980.136	10207.88	9178.506	9523.576	11429.278	9867.426
27024.6744	24091.764	22834.8024	25558.2192	26605.6872	23882.2704	27024.6744	24929.7384	27862.6488	30556.7405	27137.8045
412708.976	268585.397	381187.027	475283.245	450678.006	303661.723	428518.934	386487.87	402370.329	483311.916	419141.916
5775.88996	3642.72254	5375.64222	6792.46586	6389.15366	4118.28024	6022.6492	5415.31854	5618.90984	6857.5668	5920.4556
0.12	0.02	0.01				0.01				
3.45	4.2	5.25	8.25	6.3	3.3	4.35	2.7	2.4	4.95	5.85
0.085253	0.135944	0.107104	0.165647	0.148823	0.134801	0.087543	0.063966	0.061245	0.164398	0.137273
0.082556	0.130142	0.103968	0.163551	0.14	0.129187	0.086222	0.062625	0.06122	0.158267	0.135406
896.142667	3100.89884	5616.45576	34390.9697	18283.2123	4734.18001	1557.00419	1801.6131	10715.8549	15448.41	9137.47956
3.42217	12.335658	17.334283	95.694804	52.850692	16.242385	5.942313	6.450577	31.042333	47.286573	28.526581
406.84	641.34	465.78	805.98	689.92	578.76	444.22	280.56	287.98	779.94	606.62
0.032272	0.032727	0.021343	0.030767	0.030142	0.035125	0.023913	0.025687	0.021279	0.024687	0.022062
6102.6	9620.1	6986.7	12089.7	10348.8	8681.4	6663.3	4208.4	4319.7	11699.1	9099.3
33844.8853	48345.9004	35814.8622	62421.9187	53455.7876	42405.2025	36914.2891	27130.7701	28825.9217	75930.087	58262.3073
1.26273	1.408422	1.766613	2.736429	2.116536	1.082445	1.559623	1.125457	1.099695	1.88485	2.236411
160.845007	625.019091	1074.69731	6678.0318	3540.27482	960.102255	276.003281	273.115837	1579.69178	2345.58425	1446.20653
4768.96	4766.72	4384.38	4776.38	4779.46	4322.64	5028.8	4364.92	4603.9	4806.34	4381.16
13.548181	13.541818	13.701187	13.569261	13.578011	13.50825	13.665217	13.640375	13.702083	13.654375	13.691125
4928	4928	4480	4928	4928	4480	5152	4480	4704	4928	4480
14	14	14	14	14	14	14	14	14	14	14
406.84	641.34	465.78	805.98	689.92	578.76	444.22	280.56	287.98	779.94	606.62
19.142991	21.456016	26.993533	41.880787	31.860027	16.34846	23.629271	16.954555	16.607707	29.081901	33.796805
19.142991	21.456016	26.993533	41.880787	31.860027	16.34846	23.629271	16.954555	16.607707	29.081901	33.796805
33939.3853	48681.9004	36003.8622	62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
56564.7537	90222.2259	59317.5036	109274.556	85967.5976	103457.648	58130.2169	38262.0476	40756.0298	134248.893	107429.947
22625.3684	41540.3254	23313.6414	46548.1374	32354.3099	60894.9453	21047.9278	11078.7775	11846.1081	57972.3056	49073.14
56564.7537	90222.2259	59317.5036	109274.556	85967.5976	103457.648	58130.2169	38262.0476	40756.0298	134248.893	107429.947
70.82	104.55	108.98	167.17	135.58	88.24	86.22	51.38	56.47	118	127.22
33043.2426	45581.0016	30387.4065	28335.4489	35330.0754	37828.5225	35525.2849	25381.657	18194.0668	60828.177	49219.3277
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396.116999	599.67206	394.133512	360.777879	453.901678	514.753182	425.819781	262.352277	182.667214	623.567716	510.206231
95.960928	77.489987	83.329201	79.635332	80.652003	75.402606	87.019935	97.489572	110.063359	97.63101	98.245916

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1.155795	1.821988	1.455562	2.289715	1.96	1.808625	1.207119	0.87675	0.857083	2.215738	1.895687
22625.3684	41540.3254	23313.6414	46548.1374	32354.3099	60894.9453	21047.9278	11078.7775	11846.1081	57972.3056	49073.14
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10.723	41.667939	71.646487	445.20212	236.018321	64.006817	18.400218	18.207722	105.312785	156.372283	96.413768
896.142667	3100.89884	5616.45576	34390.9697	18283.2123	4734.18001	1557.00419	1801.6131	10715.8549	15448.41	9137.47956
7.58	11.31	7.98	8.36	11.31	5.49	10.6	6.44	4.77	12.93	8.22
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-77741.19	-125322.68	-73727.685	-95133.195	-88510.863	-152177.27	-77087.382	-46828.124	-37443.209	-164927.7	-140677.96
0.21	0.47	1.58	6.93	3.74	0.48	0.44	0.31	2.11	2.39	1.67
7309.9119	11217.1677	9905.9649	20008.0757	16204.9786	11155.7659	8181.6337	5596.8196	6923.3381	18048.115	13607.9427
0.09	0.32	0.18	0.29	0.15	0.15	0.16	0.05	0.08	0.33	0.09
94.5	336	189	304.5	157.5	157.5	168	52.5	84	346.5	94.5
33939.3853	48681.9004	36003.8622	62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
33939.3853	48681.9004	36003.8622	62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
33844.8853	48345.9004	35814.8622	62421.9187	53455.7876	42405.2025	36914.2891	27130.7701	28825.9217	75930.087	58262.3073
406.84	641.34	465.78	805.98	689.92	578.76	444.22	280.56	287.98	779.94	606.62
94.5	336	189	304.5	157.5	157.5	168	52.5	84	346.5	94.5
33939.3853	48681.9004	36003.8622	62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
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0.387923	0.374553	0.405046	0.467506	0.44575	0.339755	0.393477	0.386203	0.379957	0.458106	0.430291
0.372909	0.329919	0.390193	0.449811	0.428746	0.322178	0.379086	0.371286	0.360713	0.442098	0.414217
1418994.25	1324540.73	1528304.85	2174954.33	2000930.13	1220550.48	1581159.46	1430904.2	1644534.46	2080986.53	1730443.73
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48187.098	42631.926	45836.804	58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012
0.035302	0.036035	0.034781	0.035932	0.033039	0.035531	0.032532	0.035951	0.031777	0.035387	0.034366
528821.216	471518.208	502791.971	634142.057	605661.658	425081.075	561265.953	476762.314	485355.259	624549.847	532941.687
961079.66	963802.321	925707.321	1276608.5	1196657.6	853681.061	1038882.22	865833.469	885927.437	1419343.88	1165203.81
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797091.569	673701.294	740711.942	893268.136	860170.074	608022.44	835288.13	732878.994	759999.856	898707.527	777779.103
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124286.013	113793.165	113143.727	124303.451	124179.972	111218.51	130164.171	112808.276	117144.19	124565.429	112944.8

353.085264	323.276036	353.574146	353.134803	352.784011	347.557843	353.706986	352.525862	348.643422	353.879059	352.9525
129219.2	129219.2	117472	129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
48187.098	42631.926	45836.804	58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012
229.55073	219.235223	246.879407	272.793814	264.069415	279.704232	218.437343	193.814902	177.025407	271.853696	300.237906
37.080593	38.642177	37.217165	38.043254	37.80834	38.421428	37.390301	37.136905	37.475612	39.837057	39.526623
1885689.88	1764133.41	1786990.4	2326826.44	2206746.4	1571451.67	2010892.5	1713117.91	1763227.34	2474128.59	2078804.27
2804837.07	2928181.63	2712428.7	4168817.52	3650536.1	3049227.72	2961707.54	2457041.27	2555579.68	4947281.13	4068933.37
919147.191	1164048.22	925438.292	1841991.08	1443789.69	1477776.05	950815.044	743923.368	792352.347	2473152.53	1990129.1
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1389.15	1206.89	1370.79	1686.03	1584.99	1259.01	1430.74	1153.69	1156	1616.59	1506.75
426846.293	404756.442	224736.825	113304.497	167024.413	315298.584	390017.208	245144.979	79809.6701	351109.384	308181.112
749153.814	786217.268	375190.148	192709.252	263553.054	771504.125	645015.905	376171.519	113939.13	624028.308	584087.855
6.50666	4.313254	4.612599	2.743619	3.131059	3.17125	5.309626	3.608932	2.119787	3.082853	3.652051
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35.485072	33.353071	41.37593	49.4968	45.523508	31.729679	35.709592	36.602125	38.946766	48.596887	47.458818
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136.895164	121.113426	143.240012	165.125795	157.392823	118.271556	139.162538	136.2991	132.418047	162.294443	152.059412
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241.1	260.89	258.1	309.99	296.39	260.08	265.59	259.04	312.81	287.66	262.44
	0.057851				0.00909			0.012987		
271668.212	227892.264	291170.994	405003.123	374028.036	268157.129	294847.935	269039.719	317580.309	392918.41	332671.48
4.08	4.67	4.39	5.61	4.62	5.74	4.46	3.62	3.63	5.94	5.88
40318.3482	35901.6745	34748.0531	39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
2131858	1966079.79	2016086.58	2601927.73	2472256.42	1756676.04	2269266.79	1939715.78	1994917.85	2748135.91	2315980.6
2131858	1966079.79	2016086.58	2601927.73	2472256.42	1756676.04	2269266.79	1939715.78	1994917.85	2748135.91	2315980.6
1758171.23	1637503.61	1666419.26	2169876.64	2056827.67	1461703.5	1874170.35	1598712.46	1645927.29	2318051.41	1942982.91
48187.098	42631.926	45836.804	58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012

40318.3482	35901.6745	34748.0531	39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
2131858	1966079.79	2016086.58	2601927.73	2472256.42	1756676.04	2269266.79	1939715.78	1994917.85	2748135.91	2315980.6
87200.3037	90728.1241	85823.0877	117208.354	110462.199	73580.2372	96340.645	76968.3776	77987.3648	112889.59	95192.47
37.76	13.5	10.05	0.37	1.89	6.96	27.76	11.79	0.23	0.76	2.51

3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
453102.145	453835.068	707289.821	1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
1819.70692	1876.41198	2463.76984	4000.25367	3489.35598	1675.71336	2252.45431	2392.20533	3626.68386	3017.24072	2729.45822
-87439.68	-85071.952	-90083.215	-115696.72	-109883.24	-83787.83	-93860.251	-88814.946	-110602.56	-114311.19	-99859.601
87439.6798	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
453102.145	453835.068	707289.821	1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
240.21	261.45	257.24	309.23	295.61	260.39	264.4	258.15	312.78	287.15	261.87
163.286218	170.701151	219.894759	264.550647	248.474347	212.215637	182.890663	198.372676	247.433	221.40255	219.673068
83.614628	90.526775	107.611758	133.884115	128.331437	117.577962	98.494393	104.420639	144.437516	117.988684	119.980967
22945.3833	27542.7947	30993.1989	44147.9158	41817.0669	35007.8711	28640.2689	30220.9603	47198.4937	39101.2711	35428.1329
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3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
3906210.63	3931911.09	4425022.24	7384410.69	6283640.61	3796232.7	4273853.07	4149212.62	5634993.08	7576230.09	6244482.41
87439.6798	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52

3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
453102.145	453835.068	707289.821	1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
1819.70692	1876.41198	2463.76984	4000.25367	3489.35598	1675.71336	2252.45431	2392.20533	3626.68386	3017.24072	2729.45822
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87439.6798	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
453102.145	453835.068	707289.821	1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
240.21	261.45	257.24	309.23	295.61	260.39	264.4	258.15	312.78	287.15	261.87

163.286218	170.701151	219.894759	264.550647	248.474347	212.215637	182.890663	198.372676	247.433	221.40255	219.673068
83.614628	90.526775	107.611758	133.884115	128.331437	117.577962	98.494393	104.420639	144.437516	117.988684	119.980967
22945.3833	27542.7947	30993.1989	44147.9158	41817.0669	35007.8711	28640.2689	30220.9603	47198.4937	39101.2711	35428.1329
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-3453108.5	-3478076	-3717732.4	-6053743.2	-5185143.2	-3349979.6	-3696323.8	-3481643.6	-4435709.4	-6589442.6	-5386924.5
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3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
3906210.63	3931911.09	4425022.24	7384410.69	6283640.61	3796232.7	4273853.07	4149212.62	5634993.08	7576230.09	6244482.41
87439.6798	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52

376500.812	347022.837	254477.008	215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
1520.32146	1439.98799	919.500678	664.369966	686.849644	953.256169	1282.80865	1052.45839	948.757376	1085.05528	1061.99686
7934.68519	7313.44229	5363.05601	4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
310805.943	297725.066	215030.97	228291.101	206360.297	203369.088	268516.48	240243.948	260808.195	412863.475	360976.913
7934.68519	7313.44229	5363.05601	4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
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-65694.869	-49297.77	-39446.038	12682.0805	-5744.4998	-43268.569	-57273.468	-50839.953	-50321.809	61554.012	30662.7212
-65694.869	-49297.77	-39446.038	12682.0805	-5744.4998	-43268.569	-57273.468	-50839.953	-50321.809	61554.012	30662.7212
7934.68519	7313.44229	5363.05601	4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
376500.812	347022.837	254477.008	215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
65694.8691	49297.7704	39446.0378	-12682.081	5744.49978	43268.5692	57273.4681	50839.9528	50321.8087	-61554.012	-30662.721
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87439.6798	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
376500.812	347022.837	254477.008	215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192

376500.812	347022.837	254477.008	215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
7934.68519	7313.44229	5363.05601	4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
376500.812	347022.837	254477.008	215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
376500.812	347022.837	254477.008	215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
7934.68519	7313.44229	5363.05601	4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
310805.943	297725.066	215030.97	228291.101	206360.297	203369.088	268516.48	240243.948	260808.195	412863.475	360976.913
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376500.812	347022.837	254477.008	215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
360461.071	332050.344	242956.859	206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
1455.53362	1377.85377	877.938439	636.495707	657.694034	911.05015	1225.94988	1006.62935	907.297798	1033.60135	1011.82594
8922.30373	8219.06793	6013.78365	5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
349522.4	334550.015	240972.692	257052.106	232084.793	228340.397	301312.326	269928.689	292928.364	463887.925	405617.527
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8922.30373	8219.06793	6013.78365	5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
25.347453	23.349624	18.793073	14.526384	14.282181	18.232658	20.941419	21.535247	21.918148	22.749582	23.533749
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360461.071	332050.344	242956.859	206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
10938.6712	-2499.671	1984.16777	-50475.294	-28980.748	7371.40986	10027.9449	8478.98843	4597.34935	-129239.74	-90905.395
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87439.6798	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
360461.071	332050.344	242956.859	206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
360461.071	332050.344	242956.859	206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
8922.30373	8219.06793	6013.78365	5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
360461.071	332050.344	242956.859	206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
360461.071	332050.344	242956.859	206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
8922.30373	8219.06793	6013.78365	5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
349522.4	334550.015	240972.692	257052.106	232084.793	228340.397	301312.326	269928.689	292928.364	463887.925	405617.527
-10938.671	2499.67095	-1984.1678	50475.2937	28980.7483	-7371.4099	-10027.945	-8478.9884	-4597.3493	129239.744	90905.3955
360461.071	332050.344	242956.859	206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131

170533.837	148415.958	150982.313	160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
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3328.78854	2897.05169	2947.14646	3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
128277.311	120923.676	116777.93	157201.248	157842.906	92889.8849	80607.7453	91857.4249	118006.87	190478.191	143812.954
3328.78854	2897.05169	2947.14646	3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
9.456785	8.23026	9.209832	8.907951	9.592775	7.008122	5.697156	7.176526	8.788239	9.170576	8.183098
-42256.526	-27492.282	-34204.383	-3435.4917	-15143.232	-21998.475	-26798.697	-25791.672	-33267.563	25105.5453	9662.50319
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3328.78854	2897.05169	2947.14646	3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
170533.837	148415.958	150982.313	160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
42256.526	27492.2823	34204.3828	3435.49171	15143.2323	21998.4749	26798.6975	25791.6719	33267.5628	-25105.545	-9662.5032
42256.526	27492.2823	34204.3828	3435.49171	15143.2323	21998.4749	26798.6975	25791.6719	33267.5628	-25105.545	-9662.5032
84694.7148	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
170533.837	148415.958	150982.313	160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
170533.837	148415.958	150982.313	160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
3328.78854	2897.05169	2947.14646	3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
170533.837	148415.958	150982.313	160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
170533.837	148415.958	150982.313	160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
3328.78854	2897.05169	2947.14646	3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
128277.311	120923.676	116777.93	157201.248	157842.906	92889.8849	80607.7453	91857.4249	118006.87	190478.191	143812.954
-42256.526	-27492.282	-34204.383	-3435.4917	-15143.232	-21998.475	-26798.697	-25791.672	-33267.563	25105.5453	9662.50319
170533.837	148415.958	150982.313	160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451

328931.865	258703.737	210039.195	176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
1329.21857	1074.21064	762.567367	548.635989	578.394001	800.217115	1274.73017	965.005295	776.286295	938.229911	649.440802
3773.45262	2967.80701	2409.53533	2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
146375.341	122844.528	92196.6585	94757.314	94092.3203	95254.6246	142428.598	123052.657	115298.565	202360.183	125936.221
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3773.45262	2967.80701	2409.53533	2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
328931.865	258703.737	210039.195	176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
182556.524	135859.209	117842.536	81994.0007	84114.2413	111195.234	180783.464	143675.231	138336.25	100125.044	75408.3674
182556.524	135859.209	117842.536	81994.0007	84114.2413	111195.234	180783.464	143675.231	138336.25	100125.044	75408.3674

87439.6798	84866.6773	89671.3246	115696.718	109883.238	83141.4683	93860.2514	88679.8989	110602.559	114311.185	99859.6014
328931.865	258703.737	210039.195	176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
328931.865	258703.737	210039.195	176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
3773.45262	2967.80701	2409.53533	2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
328931.865	258703.737	210039.195	176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
328931.865	258703.737	210039.195	176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
3773.45262	2967.80701	2409.53533	2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
146375.341	122844.528	92196.6585	94757.314	94092.3203	95254.6246	142428.598	123052.657	115298.565	202360.183	125936.221
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328931.865	258703.737	210039.195	176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
4995.31015	4508.18345	3105.63367	2340.45231	2479.25427	3106.37871	4206.22799	3449.50846	3093.66997	3567.06961	3153.86365
23959.2301	21397.3689	16733.5214	14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
934980.995	876043.286	664978.25	737301.769	690380.316	619853.994	792865.149	725082.719	787041.994	1269589.77	1036343.61
8.424681	31.000543	36.461168	35.471019	44.703131	15.421988	36.392063	21.268248	25.607238	31.758297	18.94994
0.084246	4.03007	0.364611	1.06413	0.447031	1.387978	1.091761	0.425364	2.304651	0.635165	0.378998
23959.2301	21397.3689	16733.5214	14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
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23959.2301	21397.3689	16733.5214	14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
301446.59	210149.591	193477.125	22272.1182	76021.225	183833.688	274883.574	228785.844	226522.97	-115774.26	-55822.252
301446.59	210149.591	193477.125	22272.1182	76021.225	183833.688	274883.574	228785.844	226522.97	-115774.26	-55822.252
0.16	1.36	0.06	0.18	0.03	0.69	0.22	0.14	0.42	0.13	0.14
347013.754	340082.534	359920.971	462786.872	439532.953	334504.957	375441.006	355124.736	442410.236	457244.742	399438.406
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
23959.2301	21397.3689	16733.5214	14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
23959.2301	21397.3689	16733.5214	14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
934980.995	876043.286	664978.25	737301.769	690380.316	619853.994	792865.149	725082.719	787041.994	1269589.77	1036343.61
-301446.59	-210149.59	-193477.12	-22272.118	-76021.225	-183833.69	-274883.57	-228785.84	-226522.97	115774.257	55822.2525

1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
11.140709	11.261838	11.134478	11.006614	11.100921	11.468353	11.136176	11.141262	11.130017	11.100728	11.133628
0.387923	0.374553	0.405046	0.467506	0.44575	0.339755	0.393477	0.386203	0.379957	0.458106	0.430291
0.372909	0.329919	0.390193	0.449811	0.428746	0.322178	0.379086	0.371286	0.360713	0.442098	0.414217
3453108.49	3478076.03	3717732.42	6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
3108523.98	2864568.68	3094050.04	4265195.7	3865829.04	2470491.22	3226437.48	3052341.83	3857383.08	4221589.52	3568522.99
12516.0151	11855.3072	10958.0101	12847.0497	12316.6262	9435.48014	12653.5538	10991.4323	11701.8939	12989.9948	11419.7158
-15293.352	-21042.657	-27512.89	-42751.969	-39562.553	-30297.679	-22271.642	-26817.068	-46326.084	-35434.85	-32096.317
3573783.01	3573783.01	3248893.65	3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
0.035302	0.036035	0.034781	0.035932	0.033039	0.035531	0.032532	0.035951	0.031777	0.035387	0.034366
528821.216	471518.208	502791.971	634142.057	605661.658	425081.075	561265.953	476762.314	485355.259	624549.847	532941.687
961079.66	963802.321	925707.321	1276608.5	1196657.6	853681.061	1038882.22	865833.469	885927.437	1419343.88	1165203.81
3.186372	3.273102	3.193997	3.290613	3.250245	3.212055	3.210006	3.196761	3.23061	3.43464	3.399808
797091.569	673701.294	740711.942	893268.136	860170.074	608022.44	835288.13	732878.994	759999.856	898707.527	777779.103
6616.31474	19886.0175	27129.7622	87959.234	67544.0198	19952.2122	12055.4557	10915.9463	30432.6623	52003.0909	36737.858
124286.013	113793.165	113143.727	124303.451	124179.972	111218.51	130164.171	112808.276	117144.19	124565.429	112944.8
353.085264	323.276036	353.574146	353.134803	352.784011	347.557843	353.706986	352.525862	348.643422	353.879059	352.9525
129219.2	129219.2	117472	129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
48187.098	42631.926	45836.804	58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012
229.55073	219.235223	246.879407	272.793814	264.069415	279.704232	218.437343	193.814902	177.025407	271.853696	300.237906
37.080593	38.642177	37.217165	38.043254	37.80834	38.421428	37.390301	37.136905	37.475612	39.837057	39.526623
1885689.88	1764133.41	1786990.4	2326826.44	2206746.4	1571451.67	2010892.5	1713117.91	1763227.34	2474128.59	2078804.27
2804837.07	2928181.63	2712428.7	4168817.52	3650536.1	3049227.72	2961707.54	2457041.27	2555579.68	4947281.13	4068933.37
87439.6798	85071.9521	90083.2153	115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
919147.191	1164048.22	925438.292	1841991.08	1443789.69	1477776.05	950815.044	743923.368	792352.347	2473152.53	1990129.1
3739818.07	3804224.92	3377406.95	4906119.29	4340916.41	3669081.71	3754572.69	3182123.99	3342621.68	6216870.9	5105276.98
1389.15	1206.89	1370.79	1686.03	1584.99	1259.01	1430.74	1153.69	1156	1616.59	1506.75
426846.293	404756.442	224736.825	113304.497	167024.413	315298.584	390017.208	245144.979	79809.6701	351109.384	308181.112
30.673287	31.549622	31.333849	38.359599	35.273916	30.43284	30.601953	30.566801	31.163586	43.127385	40.511082
453102.145	453835.068	707289.821	1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
240.21	261.45	257.24	309.23	295.61	260.39	264.4	258.15	312.78	287.15	261.87

163.286218	170.701151	219.894759	264.550647	248.474347	212.215637	182.890663	198.372676	247.433	221.40255	219.673068
5.225914	5.657923	6.725734	8.367757	8.020714	7.348622	6.155899	6.961375	12.036459	7.374292	7.49881
22,945	27,543	30,993	44,148	41,817	35,008	28,640	30,221	47,198	39,101	35,428
749153.814	786217.268	375190.148	192709.252	263553.054	771504.125	645015.905	376171.519	113939.13	624028.308	584087.855
4.473328	2.965362	3.171161	1.886238	2.152603	2.180234	3.650368	2.405954	1.236542	2.119461	2.510785
7,652	6,500	3,480	1,396	2,255	4,710	6,369	3,404	872	3,666	3,332
35.464056	33.266072	41.340965	49.44012	45.488295	31.681133	35.702582	36.596978	38.821293	48.575324	47.392463
35.423241	33.250519	41.296606	49.408362	45.486026	31.592169	35.533083	36.582764	38.764666	48.563481	47.288028
-15293.352	-21042.657	-27512.89	-42751.969	-39562.553	-30297.679	-22271.642	-26817.068	-46326.084	-35434.85	-32096.317
-43.447021	-59.780276	-85.97778	-121.45446	-112.39362	-94.680248	-60.520767	-83.803337	-137.87525	-100.66719	-100.30099
-6655359	-6299906.8	-6463761.1	-8082908.5	-7656667.8	-5490155.3	-7014994.3	-6441997.6	-7512908.9	-7919781.8	-6892021
-76.131987	-74.06308	-71.782991	-69.83518	-69.691173	-65.596765	-74.739833	-72.52819	-67.93351	-69.278879	-69.015129
-6655359	-6299906.8	-6463761.1	-8082908.5	-7656667.8	-5490155.3	-7014994.3	-6441997.6	-7512908.9	-7919781.8	-6892021
64494.2965	57529.1574	59090.0164	71548.8022	68066.1714	48779.9585	65219.9825	58593.9853	63404.0653	75209.9143	64431.4685
2655421.84	2410733.61	2386760.22	2934528.22	2767331.67	2024238.16	2648908.19	2384772.77	2658099.43	3234802.05	2710965.09
6409190.89	6097960.41	6234664.9	7807807.25	7391157.79	5304930.93	6756620	6215399.67	7281218.38	7645774.5	6654844.69
6113139.23	5765578.21	6566764.57	8945765.48	8226102.1	4979679.86	6689133.39	6506797.22	8366562.91	8008533.67	6928314.73
	0.057851				0.00909			0.012987		
706121.646	653046.75	741175.18	983486.713	923444.227	686449.915	764149.192	712979.4	870593.104	964474.337	831969.487
4.08	4.67	4.39	5.61	4.62	5.74	4.46	3.62	3.63	5.94	5.88
40318.3482	35901.6745	34748.0531	39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
10395177.1	10104131.7	9841168.02	12989027.8	11997584.2	9159237.01	10769567	9624121.54	10855530.6	14136652.7	11997298
6821394.07	6530348.69	6592274.37	9415244.82	8423801.2	5910343.36	7033339.3	6375227.9	7444192.24	10491394	8683426.48
1758171.23	1637503.61	1666419.26	2169876.64	2056827.67	1461703.5	1874170.35	1598712.46	1645927.29	2318051.41	1942982.91
72146.3281	64029.2949	62570.3254	72944.749	70320.6849	53490.1501	71588.609	61997.8778	64276.475	78876.3355	67763.2849
40318.3482	35901.6745	34748.0531	39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
6821394.07	6530348.69	6592274.37	9415244.82	8423801.2	5910343.36	7033339.3	6375227.9	7444192.24	10491394	8683426.48
87200.3037	90728.1241	85823.0877	117208.354	110462.199	73580.2372	96340.645	76968.3776	77987.3648	112889.59	95192.47
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
23959.2301	21397.3689	16733.5214	14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
934980.995	876043.286	664978.25	737301.769	690380.316	619853.994	792865.149	725082.719	787041.994	1269589.77	1036343.61
-301446.59	-210149.59	-193477.12	-22272.118	-76021.225	-183833.69	-274883.57	-228785.84	-226522.97	115774.257	55822.2525
1236427.59	1086192.88	858455.375	759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362

2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25	3148177.94	3645258.67	3539433.79
-3479565.1	-3645258.7	-3479565.1	-3479565.1	-3645258.7	-3479565.1	-3479565.1	-3810952.2	-3148177.9	-3645258.7	-3539433.8
-3479565.1	-3645258.7	-3479565.1	-3479565.1	-3645258.7	-3479565.1	-3479565.1	-3810952.2	-3148177.9	-3645258.7	-3539433.8
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25	3148177.94	3645258.67	3539433.79
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25	3148177.94	3645258.67	3539433.79
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25	3148177.94	3645258.67	3539433.79
44.36017	40.34784	41.73988	41.41234	52.22105	47.47177	40.02031	40.26596	40.10219	40.92103	60.299793
25.732935	25.732953	25.732935	25.732953	25.732917	25.73288	25.732898	25.733045	25.732917	25.733045	26.247649
44.235666	40.223336	41.615376	41.287836	52.096546	47.347266	39.895806	40.141456	39.977686	40.796526	60.175349
44.331438	40.319108	41.711148	41.383608	52.192318	47.443038	39.991578	40.237228	40.073458	40.892298	60.271075
43.613149	39.600819	40.992859	40.665319	51.474029	46.724749	39.273288	39.518939	39.355169	40.174009	59.55313
43.890887	39.878557	41.270597	40.943057	51.751767	47.002487	39.551027	39.796677	39.632907	40.451747	59.830735
44.312284	40.299954	41.691994	41.364454	52.173164	47.423884	39.972424	40.218074	40.054304	40.873144	60.25193
44.350592	40.338263	41.730302	41.402762	52.211472	47.462192	40.010733	40.256383	40.092612	40.911453	60.29022

23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	24.184756
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.44
44.0537	40.04137	41.43341	41.10587	51.91458	47.1653	39.71384	39.95949	39.79572	40.61456	59.99347
6.031018	5.410578	5.074582	5.035438	5.052895	5.048362	5.079214	5.194612	6.079232	6.860347	7.077951
34.168532	31.441943	32.341969	32.120348	39.327607	36.161039	31.195972	31.369367	31.333895	31.944892	44.968005
34.168532	31.441943	32.341969	32.120348	39.327607	36.161039	31.195972	31.369367	31.333895	31.944892	44.968005
0.41682	0.27788	0.27788		0.27788	0.13894	0.55576	0.13894		0.27788	0.41682
0.002486	0.001944	0.008818		0.002202	0.000687	0.016487	0.00128		0.000782	0.015313
0.002486	0.001944	0.008148		0.00207	0.000687	0.016164	0.00128		0.000782	0.015211
64.060014		350.831975		4141.643	370.166004	3219.3161			747.990874	5745.86537
0.191861		1.367504		10.598886	0.982872	11.709587			2.226553	17.622042
18.8	15.4	61.6		16.4	5.2	122.2	10.6		6.2	115
0.029226	0.032642	0.025654	0.024761	0.029914	0.033869	0.034077	0.02875	0.030328	0.033664	0.028779
261.2072	213.9676	855.8704		227.8616	72.2488	1697.8468	147.2764		86.1428	1597.81
6193.36528	5073.28858	20293.1543		5402.7229	1713.05848	40256.8743	3492.00383		2042.4928	38642.6461
0.754603	0.503068	0.503068		0.503068	0.251534	1.006137	0.251534		0.503068	0.769696
376.895868	308.73385	1234.9354		328.781502	104.247793	2449.82315	212.505117		124.295446	2351.65676
7339.05	7661.475	7366.05	7372.8	7683.075	7303.95	7302.375	8041.95	6632.55	7653.375	7342.425
21.84241	21.765553	21.922767	21.942857	21.826917	21.737946	21.733258	21.853125	21.817598	21.742542	21.852455
7560	7920	7560	7560	7920	7560	7560	8280	6840	7920	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
18.8	15.4	61.6		16.4	5.2	122.2	10.6		6.2	115
10.704112	7.045378	7.107995		7.060181	3.508319	14.052952	3.528601		7.107189	10.774702
10.704112	7.045378	7.107995		7.060181	3.508319	14.052952	3.528601		7.107189	10.774702
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735		2196.65665	41195.7097
8578.19413	6064.43562	67776.8955		6718.04234	2027.30112	81565.3908	4384.27836		2365.53594	56498.9124
1971.80378	640.124787	46144.1473		932.150336	202.974842	38661.4757	643.961012		168.87929	15303.2028

8578.19413	6064.43562	67776.8955		6718.04234	2027.30112	81565.3908	4384.27836		2365.53594	56498.9124
3.4	4.04	3.6		6.04	3.36	12.8	0.83		4.68	7.25
6542.33033	5424.31083	21281.9161		1644.24901	1454.16027	39684.599	3740.31735		1448.66578	35449.8443
8511.66643	6064.43562	66940.9441		1898.17965	1607.66993	72351.6019	4384.27836		1552.10215	48842.9513
0.513572	0.4	0.4		0.308147	0.165795	0.791921	0.2		0.37847	0.588235
18.617405	15.4	60.6		4.651822	4.14489	113.023766	10.6		4.09859	98.943019
350.831975				365.043248	350.831975	350.831975			353.618027	361.948755
7.016639				7.24786	3.508319	10.524959			3.53618	7.238975
18.8	15.4	61.6		16.4	5.2	122.2	10.6		6.2	115
0.055952	0.04375	0.183333		0.04659	0.015476	0.36369	0.028804		0.017613	0.342261
1971.80378	640.124787	46144.1473		932.150336	202.974842	38661.4757	643.961012		168.87929	15303.2028
1971.80378	640.124787	46144.1473		932.150336	202.974842	38661.4757	643.961012		168.87929	15303.2028
0.182594		1		11.748177	1.055109	9.176233			2.101409	16.05698
64.060014		350.831975		4141.643	370.166004	3219.3161			747.990874	5745.86537
0.21	0.31	0.07		0.11	0.11	0.59	0.14		0.15	0.64
-1971.8038	-640.12479	-46144.147		-932.15034	-202.97484	-38661.476	-643.96101		-168.87929	-15303.203
-10483.47	-6704.5604	-113085.09		-2830.33	-1810.6448	-111013.08	-5028.2394		-1720.9814	-64146.154
				0.15					0.03	0.13
270.8422	198.5832	778.1154		313.9742	89.0317	1686.996	141.8834		104.6915	1881.8298
0.01	0.02	0.02		0.03		0.03	0.02		0.02	0.04
10.7492	21.4984	21.4984		32.2476		32.2476	21.4984		21.4984	43.8568
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735		2196.65665	41195.7097
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735		2196.65665	41195.7097
6570.26115	5382.02243	21528.0897		5731.50441	1817.30627	42706.6975	3704.50895		2166.78825	40994.3029
18.8	15.4	61.6		16.4	5.2	122.2	10.6		6.2	115
10.7492	21.4984	21.4984		32.2476		32.2476	21.4984		21.4984	43.8568
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735		2196.65665	41195.7097
25.38	20.79	83.16		22.14	7.02	164.97	14.31		8.37	157.549999

3.7676	4.709499	2.54313	4.7095	6.78168	5.6514	2.73151	3.95598	3.29665	2.44894	4.521119
0.174613	0.160199	0.164241	0.209667	0.308127	0.263149	0.14982	0.171448	0.134277	0.12852	0.219824
0.169285	0.156193	0.159851	0.20122	0.299772	0.251517	0.146101	0.165896	0.131282	0.121704	0.215
93428.6188	121892.155	83558.6038	142611.842	346414.434	267448.12	80321.0315	65068.0637	81617.5734	170357.043	266452.775
319.339513	479.196337	333.591299	461.722447	984.15882	804.654189	286.538027	244.253724	283.722868	507.200679	804.507251
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9	2314.78	2484.72	4189.92

0.032142	0.030937	0.028125	0.033065	0.029715	0.035089	0.026339	0.031331	0.035723	0.030142	0.022202
31073.6578	30035.684	29341.8804	36935.4782	57645.787	46167.982	26817.9652	33351.7371	21802.9128	23403.5777	39464.8565
187583.803	166542.764	149363.324	190856.802	295819.151	238473.909	139670.412	188613.428	148556.461	161802.167	273674.285
2.346097	2.750762	1.388301	2.553223	3.647579	3.041577	1.512558	2.296997	2.18537	1.788627	2.951125
13140.3766	18621.8259	13694.5488	23068.6207	56422.4609	43360.7888	12925.3148	9822.94683	10519.3125	21460.6605	33388.7977
18861.6	19784.38	18939.9	18843.62	19809.32	18804.18	18974.7	20675.26	17002.12	19800.62	19055.32
56.135714	56.205625	56.36875	56.082202	56.276477	55.964821	56.472321	56.182771	55.928026	56.251761	56.712261
19488	20416	19488	19488	20416	19488	19488	21344	17632	20416	19488
58	58	58	58	58	58	58	58	58	58	58
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9	2314.78	2484.72	4189.92
25.952808	30.729397	15.652935	28.924988	41.312077	34.466661	17.018043	25.668539	24.023467	19.361297	32.543797
25.952808	30.729397	15.652935	28.924988	41.312077	34.466661	17.018043	25.668539	24.023467	19.361297	32.543797
218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04	170495.066	185415.705	314206.467
406723.646	356728.306	520681.795	387053.054	618112.536	496969.089	519914.919	382728.776	273277.492	321440.728	678820.449
187835.65	159850.275	341770.939	158920.939	264167.247	212025.903	353255.738	160458.737	102782.426	136025.022	364613.982
406723.646	356728.306	520681.795	387053.054	618112.536	496969.089	519914.919	382728.776	273277.492	321440.728	678820.449
154.04	161.29	84.7	139.18	217.23	168.78	106.51	133.15	82.8	85.3	210.01
125459.377	74985.8757	95352.2519	85520.2731	7530.85467	17495.0665	86338.1495	157201.976	88877.4927	15058.6625	47753.6918
232070.1	137192.688	262567.103	139159.717	10555.1985	27865.3174	244175.624	268959.507	139346.785	24528.4326	109912.135
14.683865	20.337651	10.687595	16.125238	6.739955	8.147271	11.671738	19.656587	13.160092	4.174348	9.966572
1903.94746	1211.79086	1661.2519	1472.22184	129.878556	298.035162	1474.96022	2498.01362	1197.9616	206.276379	645.085331
66.993301	65.014278	59.157679	59.627567	62.637532	60.971902	60.142983	61.74821	70.488291	79.571534	71.782926
26.737509	32.500052	15.94799	29.795022	45.096507	36.570055	17.432638	25.887237	23.90409	20.688595	34.449303
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9	2314.78	2484.72	4189.92
9.818571	9.059204	9.271369	11.670773	17.386818	14.588035	8.473869	9.62201	7.614407	7.058863	12.47
187835.65	159850.275	341770.939	158920.939	264167.247	212025.903	353255.738	160458.737	102782.426	136025.022	364613.982
187835.65	159850.275	341770.939	158920.939	264167.247	212025.903	353255.738	160458.737	102782.426	136025.022	364613.982
1395.09254	1977.04914	1453.9281	2449.15816	5990.28144	4603.54484	1372.25978	1042.88638	1116.8184	2278.44362	3544.83467
93428.6188	121892.155	83558.6038	142611.842	346414.434	267448.12	80321.0315	65068.0637	81617.5734	170357.043	266452.775
13.66	10.35	10.04	14.48	3.87	5.81	7.95	19.86	12.19	4.24	8.16
-187835.65	-159850.27	-341770.94	-158920.94	-264167.25	-212025.9	-353255.74	-160458.74	-102782.43	-136025.02	-364613.98
-419905.75	-297042.96	-604338.04	-298080.66	-274722.45	-239891.22	-597431.36	-429418.24	-242129.21	-160553.45	-474526.12
3.2	9.61	2.47	8.73	29.8	19.97	4.04	2.75	3.28	12.22	14.41
16215.3741	14020.6588	13337.104	20101.5873	37296.6733	28096.2687	13181.072	15885.7798	11294.2599	14357.4285	23824.5764
0.46	0.6	0.41	0.68	0.96	0.6	0.34	0.61	0.27	0.42	0.53

227.2354	296.394	202.5359	335.9132	474.2304	296.394	167.9566	301.3339	133.3773	207.4758	267.0511
218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04	170495.066	185415.705	314206.467
218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04	170495.066	185415.705	314206.467
187583.803	166542.764	149363.324	190856.802	295819.151	238473.909	139670.412	188613.428	148556.461	161802.167	273674.285
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9	2314.78	2484.72	4189.92
227.2354	296.394	202.5359	335.9132	474.2304	296.394	167.9566	301.3339	133.3773	207.4758	267.0511
218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04	170495.066	185415.705	314206.467
31076.9568	30038.8728	29344.9956	36939.3996	57651.9072	46172.8836	26820.8124	33355.278	21805.2276	23406.0624	40265.1312
0.33							0.14			0.08
11.091397	11.103368	11.293016	11.067219	10.902809	10.998762	11.291128	11.093172	11.115797	11.134028	11.009596
0.624011	0.593448	0.538331	0.636122	0.712768	0.677574	0.539615	0.617102	0.616456	0.617935	0.685584
0.603413	0.287133	0.518661	0.610682	0.68797	0.653842	0.518876	0.593893	0.595473	0.599452	0.660767
825850.684	377688.481	720603.168	840028.925	1005018.17	914743.855	721883.763	867887.732	744737.81	886189.201	942125.918
2933.95997	1482.58828	2925.4704	2955.05032	2979.24106	2870.10539	2741.55755	3347.42717	2641.50588	2661.54182	2858.51987
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348	20093.642	23421.792	24643.994
0.032916	0.035852	0.035089	0.040982	0.035625	0.035416	0.040178	0.036576	0.034769	0.030312	0.037113
246267.789	122954.897	214917.195	248591.349	290481.526	264710.825	214889.668	265742.845	220104.86	256453.026	267203.369
344158.387	171903.424	301649.56	348006.801	406607.362	370143.611	302292.468	372554.913	308805.983	358411.722	385587.039
3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.3531
466160.297	232741.325	406816.758	470558.564	549852.481	501071.121	406764.652	503024.632	416636.489	485439.933	511186.764
36068.34	18883.32	35987.31	35767.53	37680.06	35975.1	35797.5	39353.94	32570.73	37887.63	35911.83
107.34625	53.645795	107.105089	106.450982	107.045625	107.06875	106.540178	106.940054	107.140559	107.635312	106.880446
37296	39072	37296	37296	39072	37296	37296	40848	33744	39072	37296
111	111	111	111	111	111	111	111	111	111	111
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348	20093.642	23421.792	24643.994
38.680311	38.695889	39.411581	38.748325	38.032534	38.385062	39.46885	38.653603	38.803787	38.8945	39.124498
38.334585	38.372768	38.993718	38.253649	37.712634	38.030018	38.982997	38.336722	38.410565	38.476449	38.762911
857528.219	427807.836	750525.967	868455.88	1012731.75	922590.368	751702.677	926631.215	768573.294	893958.729	949553.552
1316017.04	585941.377	1258760.26	1212491.19	1686948.76	1435862.49	1218881.21	1260963.89	1047678.86	1265622.39	1898769.1
458488.823	158133.54	508234.29	344035.314	674217.008	513272.125	467178.537	334332.672	279105.561	371663.664	949215.543
1316017.04	585941.377	1258760.26	1212491.19	1686948.76	1435862.49	1218881.21	1260963.89	1047678.86	1265622.39	1898769.1
324.94	169.97	324.21	322.23	339.46	324.1	322.5	354.54	293.43	341.33	323.53
25201.8944	47262.4553	22875.7788	19761.0241	95.180187	609.033578	22200.5138	51601.2328	17074.1537	55.897875	239.273853
54371.7633	96651.0361	60030.2546	34379.4395	132.076251	858.573562	64291.2185	104385.497	32574.9998	125.870832	993.136253

10.821038	21.891583	8.430419	11.742167	0.942433	3.455827	7.536161	15.310897	9.913038	0.466207	1.376743
691.291433	1292.65791	624.918571	539.3437	2.596424	16.522578	599.58868	1405.77813	466.410169	1.574749	6.436695
29.080402	26.872229	19.594432	28.380868	33.052636	32.034802	17.784865	26.8625	29.149452	32.078605	36.533281
29.071656	26.838303	19.587016	28.368426	33.052377	32.032973	17.776991	26.845892	29.141544	32.078605	35.802437
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348	20093.642	23421.792	24643.994
66.97891	31.87184	57.57141	67.785755	76.364744	72.576553	57.595297	65.922141	66.097506	66.539181	73.34522
329764.649	93865.0154	395897.072	214096.616	522382.314	374907.776	354855.707	195428.886	164056.751	237615.667	809548.343
329764.649	93865.0154	395897.072	214096.616	522382.314	374907.776	354855.707	195428.886	164056.751	237615.667	809548.343
21813.6226	9926.23009	18719.0754	22236.6703	26877.7936	24369.1994	18752.4313	22853.5699	19627.2318	23420.2173	24637.5573
825850.684	377688.481	720603.168	840028.925	1005018.17	914743.855	721883.763	867887.732	744737.81	886189.201	942125.918
8.67	9.05	3.51	4.55	0.09	0.32	3.76	12.81	7.31	0.08	0.26
-458488.82	-158133.54	-508234.29	-344035.31	-674217.01	-513272.12	-467178.54	-334332.67	-279105.56	-371663.66	-949215.54
-512860.59	-254784.58	-568264.54	-378414.75	-674349.08	-514130.7	-531469.76	-438718.17	-311680.56	-371789.54	-950208.68
241.54	111.29	254.33	231.13	228.51	231.89	255.73	250.7	229.44	289.03	245.01
	0.5									
89028.1521	40744.5973	77632.5015	89101.6524	110896.751	100509.874	82999.3257	89547.4194	80651.4747	110690.836	103726.959
0.68	0.3	0.74	0.91	0.8	0.76	0.8	0.75	0.71	0.81	0.74
6475.64	2856.9	7047.02	8665.93	7618.4	7237.48	7618.4	7142.25	6761.33	7713.63	7188.36
986252.392	492076.361	862863.185	998394.578	1164566.44	1060954.72	864025.506	1065535	883622.104	1028006.73	1089220.75
986252.392	492076.361	862863.185	998394.578	1164566.44	1060954.72	864025.506	1065535	883622.104	1028006.73	1089220.75
810318.684	404644.749	708466.318	818565.364	956459.843	871214.732	709057.121	875579.545	725442.472	843851.656	896773.803
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348	20093.642	23421.792	24643.994
6475.64	2856.9	7047.02	8665.93	7618.4	7237.48	7618.4	7142.25	6761.33	7713.63	7188.36
986252.392	492076.361	862863.185	998394.578	1164566.44	1060954.72	864025.506	1065535	883622.104	1028006.73	1089220.75
40733.8943	20306.1873	35012.6291	41224.5853	48653.5059	44138.1568	35027.1562	43909.4199	36369.492	42393.4435	45591.3889
11.39	14.83	6.69	10.78	0.18	1.02	7.25	23.38	10.36	0.07	0.26
0.45	0.3	0.3		0.45	0.15	0.6	0.15		0.3	0.45
0.002232	0.001396	0.009732		0.001708	0.00046	0.016577	0.001114		0.000401	0.015505
0.002232	0.001306	0.009732		0.001676	0.000416	0.015297	0.001114		0.000397	0.015505
		169.785759		448.679049	11.31905	413.087164			65.379458	594.856019
		0.640044		1.139956	0.029109	1.514896			0.196558	1.827707
2.25	1.38	9.81		1.77	0.42	15.42	1.23		0.42	15.63
0.021577	0.029801	0.029315	0.035297	0.030198	0.027857	0.038452	0.027092	0.020263	0.018721	0.027202
33.75	20.7	147.15		26.55	6.3	231.3	18.45		6.3	234.45

800.23092	490.808298	3489.00681		629.51499	149.376438	5484.24924	437.45957		149.376438	5670.11621
0.754603	0.503068	0.503068		0.754603	0.251534	1.006137	0.251534		0.503068	0.769696
48.697875	29.86803	212.322735		38.308995	9.09027	333.74277	26.621505		9.09027	345.06351
986.25	1024.53	978.45	972.42	1024.11	979.92	969.24	1074.09	893.52	1036.23	980.58
2.935267	2.910596	2.912053	2.894107	2.909403	2.916428	2.884642	2.918722	2.93921	2.943835	2.918392
1008	1056	1008	1008	1056	1008	1008	1104	912	1056	1008
3	3	3	3	3	3	3	3	3	3	3
2.25	1.38	9.81		1.77	0.42	15.42	1.23		0.42	15.63
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016		7.546033	11.54545
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016		7.546033	11.54545
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075		158.466708	6015.17972
1078.01726	571.65617	10844.6788		756.626773	172.233032	10435.7801	526.188101		169.494093	7900.46605
229.088463	50.979842	7143.34922		88.802787	13.766323	4617.78808	62.107026		11.027384	1885.28633
1078.01726	571.65617	10844.6788		756.626773	172.233032	10435.7801	526.188101		169.494093	7900.46605
0.75	0.46	3.27		0.59	0.14	5.14	0.41		0.14	5.21
848.928795	520.676328	3531.54379		219.144936	147.147657	5404.90485	464.081075		93.087249	5420.3237
1078.01726	571.65617	10418.5472		245.392538	160.883183	9246.05592	526.188101		99.175178	7113.44863
0.09	0.06	0.06		0.055082	0.03	0.119933	0.03		0.056119	0.089921
2.25	1.38	9.36		0.580821	0.39	14.325154	1.23		0.246718	14.08431
				377.301686		377.301686			377.301686	384.84835
				3.773016		7.546033			3.773016	3.848483
2.25	1.38	9.81		1.77	0.42	15.42	1.23		0.42	15.63
0.006696	0.00392	0.029196		0.005028	0.00125	0.045892	0.003342		0.001193	0.046517
229.088463	50.979842	7143.34922		88.802787	13.766323	4617.78808	62.107026		11.027384	1885.28633
229.088463	50.979842	7143.34922		88.802787	13.766323	4617.78808	62.107026		11.027384	1885.28633
		0.45		1.189178	0.03	1.094845			0.173281	1.545689
		169.785759		448.679049	11.31905	413.087164			65.379458	594.856019
-229.08846	-50.979842	-7143.3492		-88.802787	-13.766323	-4617.7881	-62.107026		-11.027384	-1885.2863
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215.2494	119.3918	828.7678		226.5636	48.2869	1432.7573	109.5553		47.2126	1707.2541
0.29	0.11	0.22		0.27	0.09	0.7	0.08		0.12	0.53
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075		158.466708	6015.17972
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075		158.466708	6015.17972

848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075		158.466708	6015.17972
2.25	1.38	9.81		1.77	0.42	15.42	1.23		0.42	15.63
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075		158.466708	6015.17972
11.675397	11.69886	12.106252	11.657819	11.398136	11.550333	12.141071	11.683672	11.684864	11.785758	11.603338
0.690574	0.68528	0.574988	0.705052	0.779795	0.743828	0.55408	0.683196	0.691577	0.664893	0.734934
0.663144	0.657356	0.340718	0.672665	0.747094	0.703152	0.452032	0.651919	0.658606	0.521742	0.70396
285918.709	297482.929	150911.942	289438.049	332736.009	300373.175	201044.308	308761.831	257203.194	236127.415	306592.414
1018.74646	1180.46072	612.771476	1025.38993	991.565549	947.137372	776.884391	1193.42816	913.704721	703.857212	930.192195
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98	8609.31	7897.1	10170.82
0.040267	0.04213	0.043541	0.047648	0.042727	0.05369	0.049345	0.045326	0.047203	0.045653	0.042291
109867.387	114237.639	57973.8111	111088.301	127629.662	115317.56	77119.18	118459.617	98684.2492	90748.6614	115623.668
153517.166	159829.499	81204.4209	155528.494	178719.132	161282.363	108337.015	166022.785	138274.429	126785.663	166438.279
2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5466
121095.834	125912.726	63898.7346	122441.525	140673.413	127103.015	85000.7602	130566.19	108769.779	100023.175	127949.151
13866.21	14498.31	8547.97	13759.57	14489.28	13672.28	11789.31	15106.76	12454.95	11839.19	13836.97
41.268482	41.18838	25.440386	40.951101	41.162727	40.691309	35.087232	41.050978	40.97023	33.634062	41.181458
14448	15136	14448	14448	15136	14448	14448	15824	13072	15136	14448
43	43	43	43	43	43	43	43	43	43	43
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98	8609.31	7897.1	10170.82
30.988352	31.07869	32.219118	30.953319	30.188056	30.706895	32.411231	31.036687	30.960293	31.39941	31.310711
30.398358	30.455228	31.467588	30.350306	29.701678	30.084278	31.548407	30.412262	30.415435	30.67952	30.749336
290629.239	302570.302	153691.154	293960.158	337540.75	305743.18	205707.733	314226.046	261395.566	240319.787	311541.296
522633.194	493357.049	309451.41	490309.976	668909.287	562851.37	386491.881	509562.145	415271.231	401402.795	742892.679
232003.955	190786.747	155760.256	196349.817	331368.538	257108.191	180784.148	195336.099	153875.665	161083.008	431351.383
522633.194	493357.049	309451.41	490309.976	668909.287	562851.37	386491.881	509562.145	415271.231	401402.795	742892.679
322.47	337.17	198.58	319.99	336.96	317.96	274.17	351.32	289.65	275.33	321.79
30.098223	30.206558	20.113106	27.023089	32.34496	33.512562	16.243261	26.834936	32.291646	16.710585	38.73854
6.320627	23.561115	8.447504	5.674848	8.733139	9.048391	3.248652	7.245432	6.458329	2.339481	6.972937
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98	8609.31	7897.1	10170.82
28.515208	28.266335	14.650892	28.924613	32.125056	30.235565	19.43738	28.032554	28.320098	22.434943	30.270297

174576.272	131074.733	125457.345	138283.963	264656.514	196831.702	140473.953	133417.257	102293.408	113648.683	370914.892
174576.272	131074.733	125457.345	138283.963	264656.514	196831.702	140473.953	133417.257	102293.408	113648.683	370914.892
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98	8609.31	7897.1	10170.82
285918.709	297482.929	150911.942	289438.049	332736.009	300373.175	201044.308	308761.831	257203.194	236127.415	306592.414
-232003.95	-190786.75	-155760.26	-196349.82	-331368.54	-257108.19	-180784.15	-195336.1	-153875.67	-161083.01	-431351.38
-232003.95	-190786.75	-155760.26	-196349.82	-331368.54	-257108.19	-180784.15	-195336.1	-153875.67	-161083.01	-431351.38
2.19	22.42	7.03	2.01	2.71	3.18	2.22	2.34	1.88	1.35	2.24
		0.380952				0.142857			0.181818	
87300.2317	82106.5811	47145.2522	87728.9055	108851.144	97238.2449	67184.1204	87737.2792	78533.2766	87399.9885	101994.688
1	1.08	0.59	0.96	1.02	1.14	0.99	1.16	0.89	0.89	1.03
4710.53	5087.3724	2779.2127	4522.1088	4804.7406	5370.0042	4663.4247	5464.2148	4192.3717	4192.3717	4948.8822
348056.922	362282.316	183994.065	352026.013	404252.774	366019.668	246017.928	376144.888	312977.823	287754.112	371977.788
348056.922	362282.316	183994.065	352026.013	404252.774	366019.668	246017.928	376144.888	312977.823	287754.112	371977.788
274612.999	285742.224	145103.156	277970.019	319392.545	288385.378	193337.775	296588.975	247044.208	226808.837	294387.43
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98	8609.31	7897.1	10170.82
4710.53	5087.3724	2779.2127	4522.1088	4804.7406	5370.0042	4663.4247	5464.2148	4192.3717	4192.3717	4948.8822
348056.922	362282.316	183994.065	352026.013	404252.774	366019.668	246017.928	376144.888	312977.823	287754.112	371977.788
11305.7098	11740.705	5808.786	11468.0306	13343.4636	11987.797	7706.5328	12172.8564	10158.9858	9318.578	12204.984
0.45	0.3	0.3		0.45	0.15	0.6	0.15		0.3	0.45
0.002235	0.001335	0.009732		0.001676	0.000412	0.016644	0.001114		0.000397	0.015505
0.002232	0.001335	0.009732		0.001676	0.000357	0.01616	0.001114		0.000397	0.015505
		169.785759		424.110036	11.31905	397.01513			56.595253	564.114711
		0.640044		1.076894	0.029109	1.456161			0.171988	1.7336
2.25	1.41	9.81		1.77	0.36	16.29	1.23		0.42	15.63
0.036875	0.024715	0.018511	0.04622	0.040795	0.028095	0.028541	0.027961	0.038026	0.024431	0.038452
33.75	21.15	147.15		26.55	5.4	244.35	18.45		6.3	234.45
800.23092	501.478043	3489.00681		629.51499	128.036947	5793.67187	437.45957		149.376438	5670.11621
0.754603	0.503068	0.503068		0.754603	0.251534	1.006137	0.251534		0.503068	0.769696
48.697875	30.517335	212.322735		38.308995	7.79166	352.572615	26.621505		9.09027	345.06351
970.83	1029.9	989.34	961.41	1012.92	979.68	979.23	1073.13	877.32	1030.2	969.24
2.889375	2.925852	2.944464	2.861339	2.877613	2.915714	2.914375	2.916114	2.885921	2.926704	2.884642
1008	1056	1008	1008	1056	1008	1008	1104	912	1056	1008
3	3	3	3	3	3	3	3	3	3	3

2.25	1.41	9.81		1.77	0.36	16.29	1.23		0.42	15.63
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016		7.546033	11.54545
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016		7.546033	11.54545
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075		158.466708	6015.17972
1078.01726	583.018129	10844.6788		756.626773	148.138639	11253.9429	526.188101		169.494093	7900.46605
229.088463	51.02275	7143.34922		88.802787	12.310032	5107.69838	62.107026		11.027384	1885.28633
1078.01726	583.018129	10844.6788		756.626773	148.138639	11253.9429	526.188101		169.494093	7900.46605
0.75	0.47	3.27		0.59	0.12	5.43	0.41		0.14	5.21
848.928795	531.995378	3531.54379		243.713949	124.509556	5749.22935	464.081075		101.871455	5451.06501
1078.01726	583.018129	10418.5472		271.525269	136.78879	10110.8243	526.188101		108.283922	7148.96504
0.09	0.06	0.06		0.058721	0.03	0.119874	0.03		0.06	0.089606
2.25	1.41	9.36		0.645939	0.33	15.237751	1.23		0.27	14.164189
		777.152766		377.301686		377.301686				384.84835
		7.771527		3.773016		3.773016				7.696967
2.25	1.41	9.81		1.77	0.36	16.29	1.23		0.42	15.63
0.006696	0.004005	0.029196		0.005028	0.001071	0.048482	0.003342		0.001193	0.046517
229.088463	51.02275	7143.34922		88.802787	12.310032	5107.69838	62.107026		11.027384	1885.28633
229.088463	51.02275	7143.34922		88.802787	12.310032	5107.69838	62.107026		11.027384	1885.28633
		0.45		1.12406	0.03	1.052248			0.15	1.46581
		169.785759		424.110036	11.31905	397.01513			56.595253	564.114711
0.17		0.32								
-229.08846	-51.02275	-7143.3492		-88.802787	-12.310032	-5107.6984	-62.107026		-11.027384	-1885.2863
-1307.1057	-634.04088	-17561.896		-360.32806	-149.09882	-15218.523	-588.29513		-119.31131	-9034.2514
		0.03								
215.2494	121.8606	828.7678		226.5636	41.7805	1501.5791	109.5553		47.2126	1707.2541
0.29	0.12	0.22		0.27	0.08	0.72	0.08		0.12	0.53
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075		158.466708	6015.17972
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075		158.466708	6015.17972
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075		158.466708	6015.17972
2.25	1.41	9.81		1.77	0.36	16.29	1.23		0.42	15.63
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075		158.466708	6015.17972

4.286894	4.684178	3.01845	6.270561	8.99505	6.848144	3.293896	3.992162	3.270634	2.842312	5.264745
0.11397	0.094582	0.121981	0.12944	0.194712	0.171059	0.108061	0.101552	0.075851	0.07396	0.142439
0.111547	0.091426	0.119345	0.126625	0.18671	0.1655	0.10588	0.099668	0.073585	0.072431	0.135398

19423.8724	44904.3095	21171.8689	47821.4691	191431.891	130100.756	25325.4739	16330.2158	14026.7626	65560.0918	85638.7552
65.326809	175.514862	84.772904	148.591801	528.649018	377.918776	87.730233	61.258532	48.725203	193.390537	255.863521
1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9	1118.5	1274.8	2274.7
0.030089	0.03	0.027187	0.025937	0.029829	0.028035	0.034717	0.027459	0.033848	0.025724	0.027961
27053.2	23177.5	29067.8	30650.1	47366.5	40110	25761.2	26431.5	16127.3	18372.8	32919.5
160975.323	128922.679	147333.216	158664.828	244434.963	208529.214	133686.504	150794.013	113725.493	125451.992	228111.872
1.732869	1.812064	1.070459	2.253954	3.193139	2.430374	1.205662	1.546182	1.485306	1.366678	2.23542
3211.20247	8078.29452	4185.46317	9147.62459	37034.6127	25022.7022	4839.87643	2885.19735	2041.4859	9534.04087	12237.1271
16316.1	16982.9	16318.5	16399.5	17068.1	16388.1	16222.3	17932.7	14663.9	17135.1	16332.2
48.559821	48.246875	48.566964	48.808035	48.48892	48.774107	48.280654	48.730163	48.236513	48.679261	48.607738
16800	17600	16800	16800	17600	16800	16800	18400	15200	17600	16800
50	50	50	50	50	50	50	50	50	50	50
1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9	1118.5	1274.8	2274.7
46.777026	43.761976	31.091125	59.620077	84.306169	63.724825	32.306912	40.480338	36.179361	32.729751	54.075139
24.898378	25.85026	15.459224	32.46025	45.886079	34.780927	17.324951	22.165472	21.290321	19.586227	32.163428
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446	114011.259	125836.084	229027.554
273829.532	225695.528	418238.585	251873.576	395989.98	328716.178	411941.59	246269.995	162128.923	203456.292	456412.143
112292.471	96331.9017	270161.63	92459.626	150364.671	119497.294	277759.137	94940.5495	48117.6638	77620.2079	227384.59
273829.532	225695.528	418238.585	251873.576	395989.98	328716.178	411941.59	246269.995	162128.923	203456.292	456412.143
191.4	148.56	141.35	209.34	338.79	252.27	152.23	136.56	92.88	97.71	215.61
142113.189	84459.3166	126905.086	111592.481	54193.4172	79118.1283	108856.979	134999.23	99984.4964	60275.992	143388.798
241363.319	148217.927	361743.904	172369.709	79279.9505	119624.216	326729.058	219330.328	142240.656	94751.2098	291386.78
6.770855	6.021681	4.810893	8.550415	7.153307	6.926876	4.988969	6.285774	4.800756	3.133504	6.502915
1647.70842	1037.9576	1710.33926	1483.79976	693.261668	1025.21481	1438.4537	1630.8835	974.097738	602.736688	1413.64076
108.227967	88.2128	89.13697	87.493285	89.314575	86.788026	88.861807	90.70504	99.681409	112.687805	100.85447
27.056991	28.176769	17.81842	36.70584	54.373938	41.649297	18.638373	21.766644	22.913881	22.46629	36.056008
1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9	1118.5	1274.8	2274.7
5.57738	4.571306	5.967261	6.33125	9.335511	8.275	5.294047	4.983423	3.679276	3.62159	6.76994
112292.471	96331.9017	270161.63	92459.626	150364.671	119497.294	277759.137	94940.5495	48117.6638	77620.2079	227384.59
112292.471	96331.9017	270161.63	92459.626	150364.671	119497.294	277759.137	94940.5495	48117.6638	77620.2079	227384.59
226.291583	571.142398	294.660741	643.500242	2592.83833	1755.18519	340.346301	203.016497	144.402261	672.063311	861.059235
19423.8724	44904.3095	21171.8689	47821.4691	191431.891	130100.756	25325.4739	16330.2158	14026.7626	65560.0918	85638.7552
29.24	22.38	30.98	29.49	26.62	29.93	23.58	28.49	18.25	15.94	29.33
-112292.47	-96331.902	-270161.63	-92459.626	-150364.67	-119497.29	-277759.14	-94940.549	-48117.664	-77620.208	-227384.59
-353655.79	-244549.83	-631905.53	-264829.33	-229644.62	-239121.51	-604488.2	-314270.88	-190358.32	-172371.42	-518771.37

1.6	3.59	2.01	5.48	27.99	16.48	2.14	1.35	0.92	5.08	6.1
19261.0182	14406.4575	18692.3362	22515.8729	41633.5614	33338.373	17689.5307	16852.2106	11246.5205	15072.4027	27559.8538
0.24	0.22	0.39	0.49	0.74	0.18	0.13	0.26	0.13	0.2	0.58
193.998	148.402	294.729	358.567	577.85	156.69	109.849	194.828	75.031	147.572	425.359
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446	114011.259	125836.084	229027.554
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446	114011.259	125836.084	229027.554
160975.323	128922.679	147333.216	158664.828	244434.963	208529.214	133686.504	150794.013	113725.493	125451.992	228111.872
1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9	1118.5	1274.8	2274.7
193.998	148.402	294.729	358.567	577.85	156.69	109.849	194.828	75.031	147.572	425.359
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446	114011.259	125836.084	229027.554
367.74	292.545	449.01	390.555	612.495	532.98	386.1	340.605	210.735	236.52	490.322999
0.06										0.01
0.45	0.3	0.3		0.45	0.15	0.6	0.15		0.3	0.45
0.001979	0.001335	0.009729		0.001712	0.000446	0.016696	0.001114		0.000397	0.015505
0.001726	0.001335	0.00869		0.001676	0.000446	0.016696	0.001114		0.000397	0.015505
		181.104809		543.383119	15.092067	505.29548			75.460337	675.751423
		0.672444		1.379209	0.038813	1.850856			0.229317	2.078905
2.32	1.88	11.68		2.36	0.6	22.44	1.64		0.56	20.84
0.027648	0.024346	0.037172	0.037232	0.035312	0.030089	0.022559	0.023777	0.029605	0.023465	0.035089
34.8	28.2	175.2		35.4	9	336.6	24.6		8.4	312.6
825.126993	668.637391	4154.08762		839.353321	213.394912	7980.96972	583.279426		199.168584	7560.15495
0.754603	0.503068	0.503068		0.754603	0.251534	1.006137	0.251534		0.503068	0.769696
50.21292	40.68978	252.79608		51.07866	12.9861	485.68014	35.49534		12.12036	460.08468
1306.84	1373.72	1294.04	1293.96	1358.28	1303.56	1313.68	1437	1180	1374.96	1296.84
3.889404	3.902613	3.851309	3.851071	3.85875	3.879642	3.909761	3.904891	3.881578	3.906136	3.859642
1344	1408	1344	1344	1408	1344	1344	1472	1216	1408	1344
4	4	4	4	4	4	4	4	4	4	4
2.32	1.88	11.68		2.36	0.6	22.44	1.64		0.56	20.84
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016		7.546033	11.54545
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016		7.546033	11.54545
875.339913	709.327171	4406.8837		890.431981	226.381012	8466.64986	618.774766		211.288944	8020.23963
1066.83484	777.357505	12955.1074		1008.8357	245.700061	15617.0904	701.584135		225.992124	10533.9547
191.49493	68.030333	8548.22374		118.403717	19.319049	7150.44052	82.809368		14.703179	2513.71511
1066.83484	777.357505	12955.1074		1008.8357	245.700061	15617.0904	701.584135		225.992124	10533.9547

0.58	0.47	2.92		0.59	0.15	5.61	0.41		0.14	5.21
875.339913	709.327171	4225.77889		347.048861	211.288944	7961.35438	618.774766		135.828607	7344.4882
1066.83484	777.357505	12480.1593		387.264907	230.566929	14152.2478	701.584135		144.378563	9625.21535
0.12	0.08	0.08		0.074272	0.04	0.15958	0.04		0.08	0.119631
2.32	1.88	11.2		0.919817	0.56	21.100765	1.64		0.36	19.084109
		989.73383		425.560263	378.586881	801.68355			408.326388	490.103663
		9.897338		12.766807	3.785868	16.033671			4.083263	9.802073
2.32	1.88	11.68		2.36	0.6	22.44	1.64		0.56	20.84
0.006904	0.00534	0.034761		0.006704	0.001785	0.066785	0.004456		0.00159	0.062023
191.49493	68.030333	8548.22374		118.403717	19.319049	7150.44052	82.809368		14.703179	2513.71511
191.49493	68.030333	8548.22374		118.403717	19.319049	7150.44052	82.809368		14.703179	2513.71511
		0.48		1.440182	0.04	1.339234			0.2	1.75589
		181.104809		543.383119	15.092067	505.29548			75.460337	675.751423
0.57	0.46	2.79		0.25	0.14	5.28	0.39		0.08	4.76
-191.49493	-68.030333	-8548.2237		-118.40372	-19.319049	-7150.4405	-82.809368		-14.703179	-2513.7151
-1258.3298	-845.38784	-21028.383		-505.66862	-249.88598	-21302.688	-784.3935		-159.08174	-12138.93
		0.12		0.32	0.01	0.32			0.05	0.42
165.9571	121.8606	739.0316		226.5636	51.5755	1550.8008	109.5553		47.2126	1707.2541
0.25	0.12	0.2		0.27	0.1	0.73	0.08		0.12	0.53
875.339913	709.327171	4406.8837		890.431981	226.381012	8466.64986	618.774766		211.288944	8020.23963
875.339913	709.327171	4406.8837		890.431981	226.381012	8466.64986	618.774766		211.288944	8020.23963
875.339913	709.327171	4406.8837		890.431981	226.381012	8466.64986	618.774766		211.288944	8020.23963
2.32	1.88	11.68		2.36	0.6	22.44	1.64		0.56	20.84
875.339913	709.327171	4406.8837		890.431981	226.381012	8466.64986	618.774766		211.288944	8020.23963

10.567131	10.577865	10.88262	10.55741	10.343375	10.479437	10.879728	10.571457	10.608218	10.651408	10.478858
0.511318	0.491303	0.360369	0.510817	0.6119	0.564491	0.39408	0.48903	0.496413	0.498679	0.581815
0.484174	0.459603	0.242734	0.482726	0.57778	0.527278	0.376021	0.461964	0.468037	0.473715	0.551591
329806.921	328947.555	168805.321	329182.24	408636.391	357051.516	261866.812	345663.165	289347.435	337807.247	379869.563
1171.01383	1304.41236	684.380975	1158.58306	1205.85245	1115.41533	996.233668	1335.91668	1027.14785	1014.93073	1152.49105
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176	8337.802	9771.43	10860.618
0.053065	0.063153	0.06125	0.056398	0.054147	0.068422	0.051607	0.056548	0.056776	0.05463	0.052172
98154.7802	97777.7282	50146.1096	97762.2206	121485.439	106133.024	77618.4693	102668.449	85981.6607	100597.35	110775.5
137134.589	137047.594	70424.4231	137280.973	170092.285	148670.806	109590.851	144137.889	120575.485	140336.617	159979.594
3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3652

186955.41	186237.239	95513.295	186207.702	231393.315	202151.571	147839.898	195552.596	163769.269	191607.772	213264.992
18644.762	19324.522	13246.53	18579.13	19510.284	18342.386	18673.476	20345.334	16802.964	19500.322	18662.342
55.490363	54.89921	39.424196	55.295029	55.426943	54.590434	55.575821	55.286233	55.272907	55.398642	55.542684
19689.6	20627.2	19689.6	19689.6	20627.2	19689.6	19689.6	21564.8	17814.4	20627.2	19689.6
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176	8337.802	9771.43	10860.618
39.372175	39.360923	43.861688	39.639261	37.508599	39.584914	41.652064	39.842094	39.89708	41.853715	40.522457
35.523971	35.556853	36.560187	35.489401	34.782222	35.234453	36.54528	35.532806	35.653651	35.805295	35.871626
355238.254	355256.108	190601.038	355047.192	434278.411	383761.953	286232.899	374087.695	314134.721	370073.455	410601.528
612876.152	548212.549	366562.588	554176.784	788708.371	656423.04	601428.269	582551.157	469824.1	586626.483	925816.547
257637.898	192956.442	175961.55	199129.592	354429.96	272661.087	315195.37	208463.462	155689.379	216553.028	515215.02
612876.152	548212.549	366562.588	554176.784	788708.371	656423.04	601428.269	582551.157	469824.1	586626.483	925816.547
318.17	329.16	226.05	317.05	332.94	313.01	318.66	347.19	286.74	332.77	318.47
2.996696	25.482274		9.249142			6.168005	4.624796			
4.564303	26.108117		13.634805			10.336842	9.507497			
0.080588	0.65		0.248785			0.164863	0.123108			
0.080588	0.65		0.248785			0.164863	0.123108			
31.371238	30.362826	22.350139	31.447926	34.591334	32.957946	18.074364	32.080676	32.789395	33.191859	34.966353
24.469566	30.059198	11.175069	26.416258	27.673067	22.740982	12.471311	26.947767	24.592046	27.881162	24.126783
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176	8337.802	9771.43	10860.618
28.372613	26.932784	14.22422	28.287767	33.857914	30.898505	22.034875	27.07113	27.42698	27.759744	32.323267
206332.394	141848.023	149750.179	148029.279	290929.521	217185.355	274624.196	154798.663	110746.765	163970.793	457312.666
206332.394	141848.023	149750.179	148029.279	290929.521	217185.355	274624.196	154798.663	110746.765	163970.793	457312.666
9533.11741	9479.69	4779.338	9504.44121	11917.986	10381.898	7403.55314	9962.05289	8337.802	9771.43	10860.618
329806.921	328947.555	168805.321	329182.24	408636.391	357051.516	261866.812	345663.165	289347.435	337807.247	379869.563
0.02	0.01		0.01			0.01				
-257637.9	-192956.44	-175961.55	-199129.59	-354429.96	-272661.09	-315195.37	-208463.46	-155689.38	-216553.03	-515215.02
-257642.46	-192982.55	-175961.55	-199143.23	-354429.96	-272661.09	-315205.71	-208472.97	-155689.38	-216553.03	-515215.02
13.98	136.68	8.53	17.59	12.68	12.23	16.42	15.95	14.46	16.2	14.84
		0.285714								
81472.2423	75063.124	46835.842	81037.8938	102158.819	89709.7076	76879.2626	80810.8183	73234.9085	99601.9765	94348.9475
1.19	1.23	1.02	1.21	1.2	1.25	1.14	1.33	1.16	1.51	1.41
25428.3365	26283.0705	21795.717	25855.7035	25642.02	26710.4375	24359.919	28419.9055	24787.286	32266.2085	30731.9652
406543.757	406364.526	216812.409	406147.505	497778.85	439237.685	326804.073	427752.494	359077.335	422655.69	468503.881
406543.757	406364.526	216812.409	406147.505	497778.85	439237.685	326804.073	427752.494	359077.335	422655.69	468503.881

324089.999	323284.833	165937.718	323488.675	401485.599	350822.377	257430.749	339690.484	284344.754	331944.389	373244.586
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176	8337.802	9771.43	10860.618
25428.3365	26283.0705	21795.717	25855.7035	25642.02	26710.4375	24359.919	28419.9055	24787.286	32266.2085	30731.9652
406543.757	406364.526	216812.409	406147.505	497778.85	439237.685	326804.073	427752.494	359077.335	422655.69	468503.881
5719.9188	5688.204	2867.6028	5702.814	7150.7916	6229.1388	4442.2308	5977.3056	5002.6812	5862.858	6624.97698
	0.04									
4.05	3.6	2.85	5.7	8.85	6.15	3	3.9	3	2.4	4.35
0.108507	0.086775	0.117477	0.121816	0.183514	0.162539	0.103689	0.095523	0.070814	0.06894	0.134157
0.105238	0.085568	0.113988	0.116755	0.179005	0.159107	0.099761	0.093858	0.069967	0.068664	0.132113
3132.46033	7676.79571	3064.43272	8625.49069	43051.5577	26900.0296	4423.76907	3142.2423	2032.84001	11467.1904	14939.2746
10.364577	29.729543	12.305557	26.427905	116.869366	76.910474	15.126614	11.79189	7.061759	33.780913	44.633011
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56	297.78	338.38	621.46
0.03369	0.023579	0.038541	0.024196	0.029119	0.026845	0.045505	0.031983	0.032631	0.022642	0.028214
7425.6	6325.2	8043	8238.3	13232.1	11226.6	7039.2	7253.4	4466.7	5075.7	9321.9
44144.3448	35198.1583	40787.2703	42662.0146	68288.6811	58382.0093	36486.8018	41480.6592	31716.6408	34695.7804	64674.296
1.55495	1.328825	0.970264	1.952203	2.985175	2.090008	1.039236	1.4437	1.307027	1.09622	1.780251
520.536361	1390.45623	604.666029	1638.86655	8346.26962	5192.83866	843.533074	550.360663	289.671793	1648.33038	2082.78746
4545.52	4811.8	4522.7	4590.18	4784.5	4577.72	4489.94	4987.22	4117.12	4816.42	4571.28
13.528333	13.669886	13.460416	13.66125	13.592329	13.624166	13.362916	13.552228	13.543157	13.683011	13.605
4704	4928	4704	4704	4928	4704	4704	5152	4256	4928	4704
14	14	14	14	14	14	14	14	14	14	14
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56	297.78	338.38	621.46
23.465239	19.998356	14.664861	30.830941	45.289655	31.400215	15.63431	21.835134	19.720464	16.539358	27.100226
23.465239	19.998356	14.664861	30.830941	45.289655	31.400215	15.63431	21.835134	19.720464	16.539358	27.100226
44228.3448	35271.6583	40986.7703	42966.5146	68624.6811	58466.0093	36570.8018	41627.6592	31737.6408	34790.2804	64968.296
73736.9222	60733.9819	114906.477	66849.6691	109958.306	91728.5557	109885.728	66981.9198	44585.657	55791.6483	130467.032
29508.5774	25462.3235	73919.7064	23883.1545	41333.6247	33262.5464	73314.9261	25354.2606	12848.0162	21001.3679	65498.7355
73736.9222	60733.9819	114906.477	66849.6691	109958.306	91728.5557	109885.728	66981.9198	44585.657	55791.6483	130467.032
98.02	77.6	81.29	114.81	186.65	133.62	83.4	75.93	55.15	54.19	104.68
41095.8845	27594.8626	37922.3376	34341.0239	25573.1235	31565.9797	32147.0327	38485.4169	29704.8008	23323.09	50029.0214
68427.5385	48069.6348	107073.906	52564.3805	38464.6345	48319.0879	96083.5043	62076.9012	41856.7411	36982.026	100825.023
3.713777	3.063687	2.628681	4.856337	6.268092	4.838512	2.737703	3.604535	2.77768	2.076608	3.673512
460.337575	328.982918	495.888931	439.96223	325.722025	402.250755	413.044461	446.869289	278.468547	228.491307	482.607502
95.424381	86.531264	78.005007	84.450201	81.933322	82.539009	81.97764	89.464088	105.072945	109.861567	102.141534

20.03912	18.171565	13.260851	29.509315	48.282258	33.729473	14.755975	14.314254	14.710212	17.566499	28.599629
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56	297.78	338.38	621.46
1.473333	1.197954	1.595833	1.634583	2.506079	2.2275	1.396666	1.314021	0.979539	0.961306	1.849583
29508.5774	25462.3235	73919.7064	23883.1545	41333.6247	33262.5464	73314.9261	25354.2606	12848.0162	21001.3679	65498.7355
29508.5774	25462.3235	73919.7064	23883.1545	41333.6247	33262.5464	73314.9261	25354.2606	12848.0162	21001.3679	65498.7355
34.702424	92.697081	40.311068	109.257769	556.417974	346.189244	56.235538	36.69071	19.311452	109.888692	138.852497
3132.46033	7676.79571	3064.43272	8625.49069	43051.5577	26900.0296	4423.76907	3142.2423	2032.84001	11467.1904	14939.2746
8.48	7.15	5.55	9.84	8.48	8.97	5.22	8.87	5.36	4.76	7.45
-29508.577	-25462.324	-73919.706	-23883.154	-41333.625	-33262.546	-73314.926	-25354.261	-12848.016	-21001.368	-65498.736
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0.34	1.72	0.54	1.77	10.04	5.68	0.89	0.66	0.41	1.93	1.81
10134.2975	7688.5447	9536.309	11818.3215	22579.2657	17982.7949	8987.7583	8995.286	6035.75	8088.515	14625.8916
0.08	0.07	0.19	0.29	0.32	0.08	0.08	0.14	0.02	0.09	0.28
84	73.5	199.5	304.5	336	84	84	147	21	94.5	294
44228.3448	35271.6583	40986.7703	42966.5146	68624.6811	58466.0093	36570.8018	41627.6592	31737.6408	34790.2804	64968.296
44228.3448	35271.6583	40986.7703	42966.5146	68624.6811	58466.0093	36570.8018	41627.6592	31737.6408	34790.2804	64968.296
44144.3448	35198.1583	40787.2703	42662.0146	68288.6811	58382.0093	36486.8018	41480.6592	31716.6408	34695.7804	64674.296
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56	297.78	338.38	621.46
84	73.5	199.5	304.5	336	84	84	147	21	94.5	294
44228.3448	35271.6583	40986.7703	42966.5146	68624.6811	58466.0093	36570.8018	41627.6592	31737.6408	34790.2804	64968.296
0.09										

11.174804	11.196427	11.443224	11.160893	10.991126	11.103798	11.440688	11.166898	11.172922	11.186545	11.097562
0.397871	0.340291	0.321976	0.409941	0.485801	0.451433	0.330398	0.387801	0.38019	0.370566	0.445108
0.38358	0.277734	0.282096	0.393992	0.467555	0.432636	0.312604	0.373155	0.365344	0.34976	0.429108
1557625.33	1178592.23	1148986.84	1657708.02	2332846.27	1997025.35	1299399.87	1606853.25	1388965.62	1708453.61	2003199.29
5518.94302	4651.9021	4656.61265	5775.76546	6820.53121	6193.22144	4920.60199	6194.07617	4921.86828	5117.52631	6069.46916
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564	40771.814	45195.822	52928.612
0.033417	0.033378	0.033779	0.036152	0.035201	0.035949	0.036912	0.033115	0.035729	0.030464	0.033403
520205.921	394792.666	390815.167	533265.748	658157.375	583758.94	431755.779	554116.326	447167.683	494758.258	577688.103
1036132.57	806178.331	822187.47	1032999.91	1371462.68	1187685.78	889579.818	1068553.89	861654.491	950024.355	1336008.4
3.301143	3.220092	3.314743	3.273254	3.376484	3.32212	3.292878	3.278339	3.276107	3.307256	3.494073
774736.045	545301.099	568141.165	779207.79	922375.687	830459.823	643227.129	829444.661	689175.538	777225.476	855902.776
16872.1154	28090.5766	18484.678	33855.1119	101803.343	73576.3297	18608.7244	13258.5048	12850.4702	32643.0317	47708.7123
118905.502	105374.857	108190.79	118540.12	124419.929	118326.876	116511.751	130027.384	107195.174	122074.047	118959.027

353.885422	299.360389	321.996398	352.797976	353.465707	352.163321	346.761163	353.335282	352.615703	346.801269	354.044723
123345.6	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	135092.8	111598.4	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564	40771.814	45195.822	52928.612
249.897178	233.308714	206.647408	228.716913	317.654425	253.095945	237.820566	212.364049	189.584455	210.523325	270.087884
38.502506	37.605362	39.673995	38.248871	39.028458	38.677866	39.27204	38.272168	38.164508	38.563138	40.510338
1937228.7	1454333.87	1496235.03	1947975.81	2460758.16	2167068.58	1644390.55	2035459.36	1660347.55	1853118.92	2341145
3217617.55	2278665.26	3091022.47	2962754.25	4277867.37	3575144.1	3367415.8	3055196.12	2412766.26	2837270.86	4916011.74
1280388.85	824331.387	1594787.44	1014778.44	1817109.21	1408075.52	1723025.26	1019736.76	752418.711	984151.936	2574866.74
3217617.55	2278665.26	3091022.47	2962754.25	4277867.37	3575144.1	3367415.8	3055196.12	2412766.26	2837270.86	4916011.74
1414.52	1229.19	1069.24	1422.6	1759.84	1513.51	1286.45	1400.75	1100.65	1191.73	1516.97
342988.869	241514.302	315626.237	251224.051	89846.7323	130725.315	308348.931	387579.735	235640.944	100493.095	295076.507
607971.821	438153.861	891673.366	398486.881	131234.222	198803.104	837150.472	660899.979	356019.182	158291.479	575847.654
3.968595	5.326026	2.906225	7.153337	2.613938	2.778287	3.025428	4.687879	5.064617	1.232615	2.628186
4728.80288	3892.10929	4582.91866	3935.57631	1158.25708	1747.4482	4089.89936	5996.36765	2916.93806	1044.05443	2694.04592
40.831268	37.10952	28.357347	40.381766	53.810254	45.752636	28.809458	36.047331	37.707187	38.966102	50.332214
40.812771	37.087391	28.345848	40.357231	53.759099	45.723936	28.798167	36.024747	37.680576	38.94511	50.262355
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564	40771.814	45195.822	52928.612
140.812267	101.956443	103.557476	144.634744	171.639477	158.820744	114.756988	136.985228	134.117809	128.397221	157.52563
1042931.49	649242.429	1425935.94	775673.578	1535062.05	1153958.95	1529821.06	765249.337	540845.03	750087.379	2316860.7
1042931.49	649242.429	1425935.94	775673.578	1535062.05	1153958.95	1529821.06	765249.337	540845.03	750087.379	2316860.7
42584.1191	31996.5587	30212.3933	44661.6977	59258.8389	51616.3218	34468.4486	44414.1964	37854.8759	44151.7676	50234.5661
1557625.33	1178592.23	1148986.84	1657708.02	2332846.27	1997025.35	1299399.87	1606853.25	1388965.62	1708453.61	2003199.29
61.02	49.71	53.26	58.37	39.42	45.28	46.39	70.56	43.11	25.25	50.6
-1280388.8	-824331.39	-1594787.4	-1014778.4	-1817109.2	-1408075.5	-1723025.3	-1019736.8	-752418.71	-984151.94	-2574866.7
-1888360.7	-1262485.2	-2486460.8	-1413265.3	-1948343.4	-1606878.6	-2560175.7	-1680636.7	-1108437.9	-1142443.4	-3150714.4
262.85	285.31	275.06	266.71	312.2	289.44	281.76	273.75	250.39	325.89	284.96
	0.045454	0.060606				0.012987			0.016528	
304278.614	234591.66	216354.028	312304.233	424409.88	367105.938	273093.203	300299.343	260996.19	335457.477	373084.508
4.49	3.87	4	4.54	5.88	4.28	5.66	4.51	3.18	4.3	6.2
37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306	35970.396	44643.2564	43899.4743
2174686.06	1629422.83	1665086.53	2187080.67	2742805.32	2421185.15	1837594.74	2289946.78	1871921.23	2087183.48	2599151.05
2174686.06	1629422.83	1665086.53	2187080.67	2742805.32	2421185.15	1837594.74	2289946.78	1871921.23	2087183.48	2599151.05
1810868.61	1351479.43	1390328.63	1812207.7	2293838.37	2018145.6	1532806.95	1897998.55	1550830.03	1727249.83	2191911.17
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564	40771.814	45195.822	52928.612

37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306	35970.396	44643.2564	43899.4743
2174686.06	1629422.83	1665086.53	2187080.67	2742805.32	2421185.15	1837594.74	2289946.78	1871921.23	2087183.48	2599151.05
89229.5997	68087.3041	73566.1835	95725.3845	127434.303	109067.976	74547.8022	95769.7749	73547.1216	81225.8319	105334.354
11.87	14.87	6.69	10.78	0.18	1.02	7.25	23.52	10.36	0.07	0.35

4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088	673924.202	1285697.08	1083433.84
2369.88584	3111.88649	1819.273	2591.9346	4251.55218	3568.29876	1655.08445	2379.19027	2373.77479	3836.38708	3259.02176
-94444.699	-88743.633	-82840.488	-95906.376	-118223.34	-107176.99	-88997.412	-95505.056	-85787.976	-117451.46	-110905.72
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562	85787.9756	117451.459	110905.725
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088	673924.202	1285697.08	1083433.84
262.37	286.77	275.55	266.03	311.57	288.96	281.88	272.67	249.92	326.39	284.51
193.752736	192.723769	178.836784	224.505653	266.388334	252.959941	222.632041	189.805308	202.058074	256.43913	229.726094
100.779224	105.840171	104.153414	111.71591	134.377734	131.386658	120.381508	102.563415	108.561173	152.922948	125.870724
30434.1831	32904.3325	32198.5231	33587.0861	44204.2726	41365.5142	38020.8639	30623.3354	30391.3998	52545.0894	39985.0364
-94444.699	-88743.633	-82840.488	-95906.376	-118223.34	-107176.99	-88997.412	-95505.056	-85787.976	-117451.46	-110905.72
-281.08541	-252.11259	-246.54907	-285.43564	-335.86176	-318.97914	-264.87325	-259.52461	-282.19729	-333.66892	-330.07656
-4230765.5	-3594637.3	-3500197.2	-4055977.2	-6371632.3	-5209209.5	-3618904.9	-3847842.6	-3443568.5	-4814681.6	-6683713.3
-44.77146	-40.513004	-41.933413	-42.378786	-53.599444	-48.35628	-40.621404	-40.319603	-40.215515	-41.04173	-60.372123
-4230765.5	-3594637.3	-3500197.2	-4055977.2	-6371632.3	-5209209.5	-3618904.9	-3847842.6	-3443568.5	-4814681.6	-6683713.3
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
4901054.67	4380725.57	3950414.77	4811498.88	7820538.52	6361668.77	4067597.24	4469605.7	4117492.71	6100378.68	7767147.1
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562	85787.9756	117451.459	110905.725
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26

4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088	673924.202	1285697.08	1083433.84
2369.88584	3111.88649	1819.273	2591.9346	4251.55218	3568.29876	1655.08445	2379.19027	2373.77479	3836.38708	3259.02176
-94444.699	-88743.633	-82840.488	-95906.376	-118223.34	-107176.99	-88997.412	-95505.056	-85787.976	-117451.46	-110905.72
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562	85787.9756	117451.459	110905.725
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088	673924.202	1285697.08	1083433.84
262.37	286.77	275.55	266.03	311.57	288.96	281.88	272.67	249.92	326.39	284.51

193.752736	192.723769	178.836784	224.505653	266.388334	252.959941	222.632041	189.805308	202.058074	256.43913	229.726094
100.779224	105.840171	104.153414	111.71591	134.377734	131.386658	120.381508	102.563415	108.561173	152.922948	125.870724
30434.1831	32904.3325	32198.5231	33587.0861	44204.2726	41365.5142	38020.8639	30623.3354	30391.3998	52545.0894	39985.0364
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-44.77146	-40.513004	-41.933413	-42.378786	-53.599444	-48.35628	-40.621404	-40.319603	-40.215515	-41.04173	-60.372123
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4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
4901054.67	4380725.57	3950414.77	4811498.88	7820538.52	6361668.77	4067597.24	4469605.7	4117492.71	6100378.68	7767147.1
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562	85787.9756	117451.459	110905.725
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26

345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07	287702.204	338701.199	349028.891
1236.02206	1553.0797	1400.15273	990.582736	674.652547	665.590796	1030.14002	1310.07083	1023.24949	1018.99781	1060.39077
7014.46333	7917.21294	6981.38025	5639.93484	4539.16003	4259.33141	5469.94291	6870.03591	5836.92846	6871.60071	6797.05727
310007.453	318727.005	289806.76	232691.811	235204.966	201243.454	214578.557	275857.617	234121.928	280076.028	410052.14
7014.46333	7917.21294	6981.38025	5639.93484	4539.16003	4259.33141	5469.94291	6870.03591	5836.92846	6871.60071	6797.05727
20.876378	22.492082	20.777917	16.78552	12.89534	12.676581	16.279592	18.668575	19.200422	19.521592	20.229337
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7014.46333	7917.21294	6981.38025	5639.93484	4539.16003	4259.33141	5469.94291	6870.03591	5836.92846	6871.60071	6797.05727
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94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562	85787.9756	117451.459	110905.725
345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07	287702.204	338701.199	349028.891

345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07	287702.204	338701.199	349028.891
7014.46333	7917.21294	6981.38025	5639.93484	4539.16003	4259.33141	5469.94291	6870.03591	5836.92846	6871.60071	6797.05727
345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07	287702.204	338701.199	349028.891
345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07	287702.204	338701.199	349028.891
7014.46333	7917.21294	6981.38025	5639.93484	4539.16003	4259.33141	5469.94291	6870.03591	5836.92846	6871.60071	6797.05727
310007.453	318727.005	289806.76	232691.811	235204.966	201243.454	214578.557	275857.617	234121.928	280076.028	410052.14
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345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07	287702.204	338701.199	349028.891
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216	274031.368	322539.754	331048.553
1177.26826	1480.86114	1334.0929	942.024658	643.664443	634.686279	980.514189	1247.04463	974.633699	970.405604	1005.76936
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764	6557.3431	7718.1085	7636.64483
348240.233	358436.925	325723.494	260959.384	264771.73	226367.323	240691.3	309727.886	263050.988	314547.831	460712.441
25.837278	28.949254	23.387024	24.432684	30.54074	27.386935	17.473177	25.735688	33.853514	41.013587	14.985968
0.775118	4.342388	2.806442	0.488653	1.527037	1.095477	1.04839	1.029427	0.338535	2.870951	0.449579
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764	6557.3431	7718.1085	7636.64483
23.45248	25.29605	23.350806	18.826789	14.512011	14.257934	18.275368	20.95839	21.570207	21.926444	22.728109
18933.6347	-13669.995	-2155.4606	-3395.8579	51298.8744	26165.3971	-15921.193	-12585.33	-10980.38	-7991.923	129663.888
18933.6347	-13669.995	-2155.4606	-3395.8579	51298.8744	26165.3971	-15921.193	-12585.33	-10980.38	-7991.923	129663.888
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764	6557.3431	7718.1085	7636.64483
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216	274031.368	322539.754	331048.553
-18933.635	13669.995	2155.46056	3395.85787	-51298.874	-26165.397	15921.193	12585.3299	10980.3796	7991.92303	-129663.89
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0.26	2.11	0.99	0.14	0.2	0.26	0.6	0.17	0.14	0.79	0.09
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562	85787.9756	117451.459	110905.725
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216	274031.368	322539.754	331048.553
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216	274031.368	322539.754	331048.553
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764	6557.3431	7718.1085	7636.64483
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216	274031.368	322539.754	331048.553
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216	274031.368	322539.754	331048.553
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764	6557.3431	7718.1085	7636.64483
348240.233	358436.925	325723.494	260959.384	264771.73	226367.323	240691.3	309727.886	263050.988	314547.831	460712.441
18933.6347	-13669.995	-2155.4606	-3395.8579	51298.8744	26165.3971	-15921.193	-12585.33	-10980.38	-7991.923	129663.888
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216	274031.368	322539.754	331048.553

160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361	113167.621	158785.726	156383.61
573.433181	673.947176	577.103582	568.54808	475.25862	520.079637	464.374232	423.254187	402.628614	477.61559	474.603484
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877	2209.01076	3099.46762	3052.57876
135538.159	131225.386	114211.06	129101.537	165696.107	154649.126	89392.4656	86210.4931	88451.1311	124955.523	183923.745
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877	2209.01076	3099.46762	3052.57876
9.304164	9.356755	8.230052	9.283912	8.807428	9.582326	7.076634	5.792629	7.266482	8.805305	9.085055
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-24617.037	-37504.614	-27455.133	-30705.04	6872.09479	-10294.145	-32419.632	-22995.868	-24716.49	-33830.204	27540.1351
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877	2209.01076	3099.46762	3052.57876
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361	113167.621	158785.726	156383.61
24617.0373	37504.6144	27455.1332	30705.0402	-6872.0948	10294.1453	32419.632	22995.8677	24716.4903	33830.2037	-27540.135
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94444.6992	85705.6979	76574.5531	95906.3758	118223.341	107176.992	88997.4118	95505.0562	79851.5636	117451.459	110905.725
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361	113167.621	158785.726	156383.61
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361	113167.621	158785.726	156383.61
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877	2209.01076	3099.46762	3052.57876
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361	113167.621	158785.726	156383.61
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361	113167.621	158785.726	156383.61
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877	2209.01076	3099.46762	3052.57876
135538.159	131225.386	114211.06	129101.537	165696.107	154649.126	89392.4656	86210.4931	88451.1311	124955.523	183923.745
-24617.037	-37504.614	-27455.133	-30705.04	6872.09479	-10294.145	-32419.632	-22995.868	-24716.49	-33830.204	27540.1351
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361	113167.621	158785.726	156383.61

304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667	262547.609	273895.738	293041.494
1088.72622	1328.38193	1032.50348	821.174749	546.241605	548.899935	865.267394	1301.62296	934.663966	827.359409	893.477778
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323	2938.41756	3065.42516	3199.84161
148261.543	149971.001	115339.308	104860.005	100474.466	89278.6217	89112.8744	150910.4	119656.443	122813.035	196256.469
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323	2938.41756	3065.42516	3199.84161
10.136014	10.590175	8.44352	7.656134	5.717687	5.730644	7.499652	10.198677	9.665847	8.708594	9.523338
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3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323	2938.41756	3065.42516	3199.84161
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667	262547.609	273895.738	293041.494
156037.825	183102.718	138148.69	124989.409	79353.6797	82764.5101	136038.683	184430.268	142891.166	151082.704	96785.0258
156037.825	183102.718	138148.69	124989.409	79353.6797	82764.5101	136038.683	184430.268	142891.166	151082.704	96785.0258

94444.6992	88743.6334	82664.2775	95407.0629	118223.341	107176.992	88300.9438	95505.0562	85629.2708	115477.378	110905.725
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667	262547.609	273895.738	293041.494
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667	262547.609	273895.738	293041.494
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323	2938.41756	3065.42516	3199.84161
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667	262547.609	273895.738	293041.494
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667	262547.609	273895.738	293041.494
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323	2938.41756	3065.42516	3199.84161
148261.543	149971.001	115339.308	104860.005	100474.466	89278.6217	89112.8744	150910.4	119656.443	122813.035	196256.469
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304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667	262547.609	273895.738	293041.494
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31	937448.802	1093922.42	1129502.55
4075.44972	5036.26994	4343.85269	3322.33023	2339.81722	2369.25665	3340.29584	4281.99262	3335.17577	3294.37841	3434.24139
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245	17541.6999	20754.602	20686.1225
942047.388	958360.318	845080.622	727612.737	766147.27	671538.524	633775.197	822706.396	705280.49	842392.416	1250944.79
25.837278	28.949254	23.387024	24.432684	30.54074	27.386935	17.473177	25.735688	33.853514	41.013587	14.985968
0.775118	4.342388	2.806442	0.488653	1.527037	1.095477	1.04839	1.029427	0.338535	2.870951	0.449579
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245	17541.6999	20754.602	20686.1225
63.769038	67.735063	60.802297	52.552357	41.932469	42.247487	49.131247	55.618273	57.70296	58.961937	61.56584
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197456.672	305789.748	222064.757	204390.884	9712.94223	75592.2501	239414.437	282777.919	232168.312	251530.001	-121442.25
197456.672	305789.748	222064.757	204390.884	9712.94223	75592.2501	239414.437	282777.919	232168.312	251530.001	-121442.25
0.26	2.11	0.99	0.14	0.2	0.26	0.6	0.17	0.14	0.79	0.09
377778.797	351936.598	324919.807	383126.19	472893.363	428707.967	355293.179	382020.225	337056.786	467831.755	443622.9
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31	937448.802	1093922.42	1129502.55
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31	937448.802	1093922.42	1129502.55
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245	17541.6999	20754.602	20686.1225
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1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31	937448.802	1093922.42	1129502.55
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245	17541.6999	20754.602	20686.1225
942047.388	958360.318	845080.622	727612.737	766147.27	671538.524	633775.197	822706.396	705280.49	842392.416	1250944.79
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1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31	937448.802	1093922.42	1129502.55
11.174804	11.196427	11.443224	11.160893	10.991126	11.103798	11.440688	11.166898	11.172922	11.186545	11.097562
0.397871	0.340291	0.321976	0.409941	0.485801	0.451433	0.330398	0.387801	0.38019	0.370566	0.445108
0.38358	0.277734	0.282096	0.393992	0.467555	0.432636	0.312604	0.373155	0.365344	0.34976	0.429108
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62	3443568.51	4814681.6	6683713.26
3367418.56	3228830.56	2666349.76	3345233.33	4557612.66	3896615.42	2621281.89	3334100.65	3000338.62	4088073.11	4216135.68
11964.2786	12800.0585	10819.7383	11690.0303	13411.9006	12130.7768	9915.98228	12855.2591	10630.8188	12248.2918	12762.7323
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3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25	3148177.94	3645258.67	3539433.79
0.033417	0.033378	0.033779	0.036152	0.035201	0.035949	0.036912	0.033115	0.035729	0.030464	0.033403
520205.921	394792.666	390815.167	533265.748	658157.375	583758.94	431755.779	554116.326	447167.683	494758.258	577688.103
1036132.57	806178.331	822187.47	1032999.91	1371462.68	1187685.78	889579.818	1068553.89	861654.491	950024.355	1336008.4
3.301143	3.220092	3.314743	3.273254	3.376484	3.32212	3.292878	3.278339	3.276107	3.307256	3.494073
774736.045	545301.099	568141.165	779207.79	922375.687	830459.823	643227.129	829444.661	689175.538	777225.476	855902.776
16872.1154	28090.5766	18484.678	33855.1119	101803.343	73576.3297	18608.7244	13258.5048	12850.4702	32643.0317	47708.7123
118905.502	105374.857	108190.79	118540.12	124419.929	118326.876	116511.751	130027.384	107195.174	122074.047	118959.027
353.885422	299.360389	321.996398	352.797976	353.465707	352.163321	346.761163	353.335282	352.615703	346.801269	354.044723
123345.6	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	135092.8	111598.4	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564	40771.814	45195.822	52928.612
249.897178	233.308714	206.647408	228.716913	317.654425	253.095945	237.820566	212.364049	189.584455	210.523325	270.087884
38.502506	37.605362	39.673995	38.248871	39.028458	38.677866	39.27204	38.272168	38.164508	38.563138	40.510338
1937228.7	1454333.87	1496235.03	1947975.81	2460758.16	2167068.58	1644390.55	2035459.36	1660347.55	1853118.92	2341145
3217617.55	2278665.26	3091022.47	2962754.25	4277867.37	3575144.1	3367415.8	3055196.12	2412766.26	2837270.86	4916011.74
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562	85787.9756	117451.459	110905.725
1280388.85	824331.387	1594787.44	1014778.44	1817109.21	1408075.52	1723025.26	1019736.76	752418.711	984151.936	2574866.74
4159664.94	3237025.58	3936103.09	3690366.99	5044014.64	4246682.62	4001191	3877902.51	3118046.75	3679663.27	6166956.54
1414.52	1229.19	1069.24	1422.6	1759.84	1513.51	1286.45	1400.75	1100.65	1191.73	1516.97
342988.869	241514.302	315626.237	251224.051	89846.7323	130725.315	308348.931	387579.735	235640.944	100493.095	295076.507
34.168532	31.441943	32.341969	32.120348	39.327607	36.161039	31.195972	31.369367	31.333895	31.944892	44.968005
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088	673924.202	1285697.08	1083433.84
262.37	286.77	275.55	266.03	311.57	288.96	281.88	272.67	249.92	326.39	284.51

193.752736	192.723769	178.836784	224.505653	266.388334	252.959941	222.632041	189.805308	202.058074	256.43913	229.726094
6.298701	6.61501	6.509588	9.309659	8.398608	8.211666	7.523844	6.410213	9.046764	9.557684	7.86692
30,434	32,904	32,199	33,587	44,204	41,366	38,021	30,623	30,391	52,545	39,985
607971.821	438153.861	891673.366	398486.881	131234.222	198803.104	837150.472	660899.979	356019.182	158291.479	575847.654
2.728409	3.661642	1.99803	4.172779	1.797082	1.910072	2.079982	3.222917	2.95436	0.847422	1.806878
4,729	3,892	4,583	3,936	1,158	1,747	4,090	5,996	2,917	1,044	2,694
40.776829	36.971309	28.25421	40.313642	53.689521	45.602911	28.764026	35.983136	37.700092	38.911715	50.302449
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64010.5161	55839.3009	50641.9652	62319.2897	74019.0682	65811.4775	50976.5479	64881.7208	55396.5758	64906.3696	70920.6885
2697129.39	2442742.29	2216132.22	2589711.64	3108706.48	2744156.12	2172589.51	2712337.57	2326414.42	2802376.03	3132701.84
6627398.41	6721354.34	5607039.64	6725154.72	8209494.75	7356291.3	5614859.13	6921836.02	6071496.05	7727318.34	7526838.06
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	0.045454	0.060606				0.012987			0.016528	
776502.11	675271.891	624114.323	791336.8	1015526.58	902990.897	717383.794	777824.624	683840.951	920740.69	927613.132
4.49	3.87	4	4.54	5.88	4.28	5.66	4.51	3.18	4.3	6.2
37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306	35970.396	44643.2564	43899.4743
11024520.7	10133468.9	9711994.24	10654626.6	13535556.5	11857090.5	9809254.33	11054226	9401116.48	11641046.2	13951800.6
7544955.62	6488210.2	6232429.14	7175061.48	9890297.87	8377525.4	6329689.23	7243273.71	6252938.54	7995787.49	10412366.9
1810868.61	1351479.43	1390328.63	1812207.7	2293838.37	2018145.6	1532806.95	1897998.55	1550830.03	1727249.83	2191911.17
68739.319	59731.4102	55224.8838	66254.866	75177.3253	67558.9257	55066.4472	70878.0885	58313.5139	65950.424	73614.7345
37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306	35970.396	44643.2564	43899.4743
7544955.62	6488210.2	6232429.14	7175061.48	9890297.87	8377525.4	6329689.23	7243273.71	6252938.54	7995787.49	10412366.9
89229.5997	68087.3041	73566.1835	95725.3845	127434.303	109067.976	74547.8022	95769.7749	73547.1216	81225.8319	105334.354
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31	937448.802	1093922.42	1129502.55
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245	17541.6999	20754.602	20686.1225
942047.388	958360.318	845080.622	727612.737	766147.27	671538.524	633775.197	822706.396	705280.49	842392.416	1250944.79
-197456.67	-305789.75	-222064.76	-204390.88	-9712.9422	-75592.25	-239414.44	-282777.92	-232168.31	-251530	121442.246
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31	937448.802	1093922.42	1129502.55

2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10	2032-11	2032-12
3370889.32	3876522.72	3707978.26	3370889.32	3707978.26	3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72
-3370889.3	-3876522.7	-3707978.3	-3370889.3	-3707978.3	-3707978.3	-3707978.3	-3539433.8	-3539433.8	-3539433.8	-3876522.7
-3370889.3	-3876522.7	-3707978.3	-3370889.3	-3707978.3	-3707978.3	-3707978.3	-3539433.8	-3539433.8	-3539433.8	-3876522.7
3370889.32	3876522.72	3707978.26	3370889.32	3707978.26	3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72
3370889.32	3876522.72	3707978.26	3370889.32	3707978.26	3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72
3370889.32	3876522.72	3707978.26	3370889.32	3707978.26	3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72

56.191823	46.349813	42.156263	43.611163	43.268833	54.565753	49.601953	41.813923	42.070673	41.899513	42.755333
26.247576	26.247576	26.247558	26.247649	26.247631	26.247649	26.247576	26.247558	26.247668	26.247631	26.247649
56.067379	46.225369	42.031819	43.486719	43.144389	54.441309	49.477509	41.689479	41.946229	41.775069	42.630889
56.163105	46.321095	42.127545	43.582445	43.240115	54.537035	49.573235	41.785205	42.041955	41.870795	42.726615
55.44516	45.60315	41.4096	42.8645	42.52217	53.81909	48.85529	41.06726	41.32401	41.15285	42.00867
55.722765	45.880755	41.687205	43.142105	42.799775	54.096695	49.132895	41.344865	41.601615	41.430455	42.286275
56.14396	46.30195	42.1084	43.5633	43.22097	54.51789	49.55409	41.76606	42.02281	41.85165	42.70747
56.18225	46.34024	42.14669	43.60159	43.25926	54.55618	49.59238	41.80435	42.0611	41.88994	42.74576

24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756
1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
55.8855	46.04349	41.84994	43.30484	42.96251	54.25943	49.29563	41.5076	41.76435	41.59319	42.44901
7.098172	6.331201	5.662148	5.289526	5.263088	5.284294	5.280214	5.298672	5.434761	6.34103	7.178047
42.231037	35.605783	32.754327	33.693216	33.462791	40.99584	37.686294	32.495811	32.678327	32.63974	33.280039
42.231037	35.605783	32.754327	33.693216	33.462791	40.99584	37.686294	32.495811	32.678327	32.63974	33.280039
0.41682	0.55576	0.13894	0.6947	0.55576	0.41682	0.41682	0.555759	0.13894	0.13894	0.41682
0.00886	0.001449	0.001717	0.014805	0.004473	0.004348	0.005227	0.018968	0.00283	0.0005	0.003623
0.008583	0.0014	0.001717	0.014805	0.004444	0.003914	0.005227	0.018968	0.00283	0.000476	0.003623
594.881437	101.351286		743.052455	2476.37261	8212.44864	2644.36332	2923.4307	1188.13626	36.351167	3349.42586
1.775744	0.312621		2.981401	7.478775	20.604898	6.975454	10.144155	4.278714	0.126311	9.46585
61.8	11.6	13.6	106.6	35.2	31	41.4	143.4	21.4	3.6	30
0.028781	0.026739	0.03392	0.032218	0.021107	0.036335	0.030454	0.026517	0.027797	0.033154	0.022989
858.6492	161.1704	188.9584	1481.1004	489.0688	430.714	575.211599	1992.3996	297.3316	50.0184	416.82
20766.222	3897.86691	4569.91293	35820.0528	11828.0099	10416.7133	13911.3526	48185.6996	7190.89241	1209.68284	10080.6903
0.769696	1.026262	0.256565	1.282827	1.026262	0.769696	0.769696	1.026262	0.256565	0.256565	0.769696
1263.75989	237.210594	278.108973	2179.88357	719.811459	633.924865	846.596432	2932.41373	437.612648	73.617081	613.475675
6992.775	8058.6	7651.35	6968.025	7752.825	7632.225	7678.8	7359.525	7349.85	7309.35	8089.65
21.852421	21.898369	21.736789	21.775078	22.025071	21.682457	21.814772	21.903348	21.874553	21.754017	21.982744
7200	8280	7920	7200	7920	7920	7920	7560	7560	7560	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
61.8	11.6	13.6	106.6	35.2	31	41.4	143.4	21.4	3.6	30
10.751665	14.633477	3.586483	17.959301	14.409117	10.976684	10.760184	14.318228	3.578421	3.608878	10.897971
10.751665	14.633477	3.586483	17.959301	14.409117	10.976684	10.760184	14.318228	3.578421	3.608878	10.897971
22136.5763	4194.82631	4877.61811	38200.7994	12628.938	11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586
28507.3971	4778.96159	5640.24156	53482.4147	17730.357	17322.8759	20863.4014	95005.432	9838.43093	1366.45989	13390.0128
6370.82083	584.13528	762.623458	15281.6153	5101.41897	6196.87518	6037.77019	43668.9323	2180.60787	67.263776	2621.85423

28507.3971	4778.96159	5640.24156	53482.4147	17730.357	17322.8759	20863.4014	95005.432	9838.43093	1366.45989	13390.0128
8.97	5.27	3.18	13.09	9.37	5.78	6.9	13.18	3.36	1.8	7.51
21541.6949	4093.47502	4877.61811	37457.747	10152.5654	2913.55212	12181.2679	48413.069	6469.68679	1262.84495	7418.7327
27748.9293	4677.08252	5640.24156	52529.9256	13946.2186	4190.53044	17044.2653	90016.4932	8286.38876	1327.17419	9125.83766
0.593366	0.787971	0.2	0.995598	0.74461	0.363506	0.515952	0.773195	0.172187	0.194356	0.576568
60.137587	11.327827	13.6	104.554158	28.279707	8.111362	34.036564	135.230391	18.07972	3.498415	20.652903
357.842198	391.054999		363.928976	359.194825	366.942017	365.01775	358.326156	357.842198	357.842198	371.839909
7.156843	7.570842		10.917869	10.775844	11.00826	7.232937	14.333046	3.578405	3.578421	11.057047
61.8	11.6	13.6	106.6	35.2	31	41.4	143.4	21.4	3.6	30
0.193125	0.031521	0.038636	0.333125	0.1	0.088068	0.117613	0.426785	0.06369	0.010714	0.081521
6370.82083	584.13528	762.623458	15281.6153	5101.41897	6196.87518	6037.77019	43668.9323	2180.60787	67.263776	2621.85423
6370.82083	584.13528	762.623458	15281.6153	5101.41897	6196.87518	6037.77019	43668.9323	2180.60787	67.263776	2621.85423
1.662412	0.272172		2.045841	6.920292	22.888637	7.363435	8.169608	3.320279	0.101584	9.347096
594.881437	101.351286		743.052455	2476.37261	8212.44864	2644.36332	2923.4307	1188.13626	36.351167	3349.42586
0.64	0.22	0.25	0.81	0.33	0.11	0.25	0.57	0.24	0.13	0.26
-6370.8208	-584.13528	-762.62346	-15281.615	-5101.419	-6196.8752	-6037.7702	-43668.932	-2180.6079	-67.263776	-2621.8542
-34119.75	-5261.2178	-6402.865	-67811.541	-19047.638	-10387.406	-23082.036	-133685.43	-10466.997	-1394.438	-11747.692
	0.01		0.01	0.02	0.12	0.04	0.02			0.1
992.2686	173.8456	176.9614	1339.8996	536.0634	601.7924	722.1702	1963.0404	284.1293	54.9803	522.7279
0.02	0.04	0.01	0.05	0.03	0.03	0.01	0.02		0.01	0.03
21.9284	43.8568	10.9642	54.821	32.8926	32.8926	10.9642	21.9284		10.9642	32.8926
22136.5763	4194.82631	4877.61811	38200.7994	12628.938	11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586
22136.5763	4194.82631	4877.61811	38200.7994	12628.938	11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586
22029.9819	4135.07751	4848.02191	37999.9364	12547.8214	11050.6382	14757.949	51118.1133	7628.50506	1283.29992	10694.166
61.8	11.6	13.6	106.6	35.2	31	41.4	143.4	21.4	3.6	30
21.9284	43.8568	10.9642	54.821	32.8926	32.8926	10.9642	21.9284		10.9642	32.8926
22136.5763	4194.82631	4877.61811	38200.7994	12628.938	11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586
84.666	15.892	18.632	146.042	48.224	42.47	56.718	196.458	29.318	4.932	41.1
5.18045	5.086259	4.61531	2.44894	4.33274	6.5933	5.27464	2.63732	4.33274	3.39084	2.63732
0.211449	0.170968	0.185693	0.177407	0.176459	0.279562	0.235889	0.157555	0.166939	0.126599	0.129475
0.203156	0.164375	0.178068	0.173718	0.168607	0.271903	0.229346	0.154017	0.161041	0.124345	0.124483
229672.683	117076.649	51484.7977	87939.5901	131482.272	325893.002	260380.229	116570.447	199888.821	113619.178	192187.605
712.474488	396.013626	196.126053	344.030502	420.180044	915.549561	782.253055	419.707824	754.698736	396.568126	559.770491
3770.58	3508.42	3635.44	3224.22	3442.3	5551.18	4682.34	3001.5	3138.38	2423.24	2656.98

0.036156	0.027907	0.031562	0.03275	0.029971	0.033437	0.028977	0.02875	0.030595	0.028035	0.031059
35515.093	33045.808	34242.2094	30368.9282	32423.0237	52286.5644	44102.9605	28271.1285	29560.4012	22824.4976	25026.0946
247269.182	207374.393	201105.265	160743.657	171085.36	278027.901	234585.567	148607.709	169806.345	152965.979	176863.403
3.470572	3.166763	2.823226	1.355783	2.400858	3.721342	2.947239	1.453431	2.622584	2.273846	1.997576
28630.3891	15796.2426	7375.16961	13844.2436	20933.5968	51341.3607	41068.1495	18656.5262	29499.9999	14667.1546	23741.6907
17888.94	20748.34	19771.62	17952.16	19804.1	19733.34	19824.4	18927.72	18891.76	18941.64	20681.06
55.902937	56.381358	56.169375	56.1005	56.261647	56.060625	56.319318	56.3325	56.225476	56.373928	56.198532
18560	21344	20416	18560	20416	20416	20416	19488	19488	19488	21344
58	58	58	58	58	58	58	58	58	58	58
3770.58	3508.42	3635.44	3224.22	3442.3	5551.18	4682.34	3001.5	3138.38	2423.24	2656.98
38.012104	35.189522	31.402162	15.304757	27.220842	41.955677	33.270803	16.460345	29.270894	25.016413	21.646203
38.012104	35.189522	31.402162	15.304757	27.220842	41.955677	33.270803	16.460345	29.270894	25.016413	21.646203
283711.043	241362.399	236324.011	191909.805	204483.301	331888.688	279885.177	177598.246	200283.615	176475.018	202593.49
567225.85	418121.503	382608.342	534444.009	418368.824	630270.283	548034.339	568940.715	340164.951	295655.508	380355.337
283514.807	176759.104	146284.331	342534.205	213885.523	298381.595	268149.163	391342.468	139881.336	119180.49	177761.847
567225.85	418121.503	382608.342	534444.009	418368.824	630270.283	548034.339	568940.715	340164.951	295655.508	380355.337
217.91	188.11	161.28	84.81	125.57	210.53	158.57	99.96	113.6	98.67	92.57
54038.3597	124285.75	184839.213	103970.215	73001.0289	5995.68617	19504.9478	61027.7989	394.793676	62855.8404	10405.8852
107241.467	215968.105	302687.015	279329.83	145135.043	9340.51027	35332.8541	200582.328	541.023544	104168.605	19856.0219
12.732899	19.488363	24.625998	9.628174	13.686609	6.267389	7.078027	10.587908	1.329875	11.445299	3.48982
730.937885	1831.35846	2852.43017	1754.39904	1219.81388	100.350749	322.200974	1020.76678	6.41271	866.051906	136.363084
74.127326	67.828249	65.600155	59.436273	61.022264	65.537317	63.040174	60.553016	70.127467	72.327618	82.768578
40.763662	35.867074	30.160901	15.438664	27.981678	45.873502	35.299082	16.937074	32.25772	25.983345	23.154567
3770.58	3508.42	3635.44	3224.22	3442.3	5551.18	4682.34	3001.5	3138.38	2423.24	2656.98
11.783062	9.53375	10.327954	10.075687	9.779261	15.770397	13.302102	8.933035	9.340416	7.212023	7.220054
283514.807	176759.104	146284.331	342534.205	213885.523	298381.595	268149.163	391342.468	139881.336	119180.49	177761.847
283514.807	176759.104	146284.331	342534.205	213885.523	298381.595	268149.163	391342.468	139881.336	119180.49	177761.847
3039.64211	1677.06154	783.009831	1469.82096	2222.48612	5450.82925	4360.13903	1980.73322	3131.96729	1557.18809	2520.61692
229672.683	117076.649	51484.7977	87939.5901	131482.272	325893.002	260380.229	116570.447	199888.821	113619.178	192187.605
9.34	16.77	22.31	7.24	11.2	2.89	5.32	6.38	0.35	10.59	2.87
-283514.81	-176759.1	-146284.33	-342534.2	-213885.52	-298381.59	-268149.16	-391342.47	-139881.34	-119180.49	-177761.85
-390756.27	-392727.21	-448971.35	-621864.04	-359020.57	-307722.11	-303482.02	-591924.8	-140422.36	-223349.1	-197617.87
11.78	4.99	2.72	1.5	7.04	28.79	19.52	5.69	20.92	7.11	14.09
20834.3544	17510.0401	16137.5063	14020.2541	17868.8133	34208.6277	26841.277	14199.8235	14371.4213	11940.6372	15717.0741
0.41	0.54	0.56	0.36	0.63	1.02	0.6	0.29	0.63	0.44	0.39

206.5867	272.0898	282.1672	181.3932	317.4381	513.9474	302.322	146.1223	317.4381	221.7028	196.5093
283711.043	241362.399	236324.011	191909.805	204483.301	331888.688	279885.177	177598.246	200283.615	176475.018	202593.49
283711.043	241362.399	236324.011	191909.805	204483.301	331888.688	279885.177	177598.246	200283.615	176475.018	202593.49
247269.182	207374.393	201105.265	160743.657	171085.36	278027.901	234585.567	148607.709	169806.345	152965.979	176863.403
3770.58	3508.42	3635.44	3224.22	3442.3	5551.18	4682.34	3001.5	3138.38	2423.24	2656.98
206.5867	272.0898	282.1672	181.3932	317.4381	513.9474	302.322	146.1223	317.4381	221.7028	196.5093
283711.043	241362.399	236324.011	191909.805	204483.301	331888.688	279885.177	177598.246	200283.615	176475.018	202593.49
36235.2738	33715.9162	34936.5784	30984.7542	33080.503	53346.8398	44997.2874	28844.415	30159.8318	23287.3364	25533.5778
0.11	0.67		0.01	0.19			0.02		0.03	
11.018172	11.016158	11.066844	11.276811	11.109041	10.900423	11.000901	11.293902		11.083026	11.167518
0.677132	0.660005	0.630758	0.547791	0.608169	0.709593	0.673613	0.538943		0.627617	0.605876
0.655305	0.636014	0.606528	0.53184	0.585463	0.685776	0.650552	0.396927		0.458517	0.587991
890154.522	967753.399	808657.311	710849.216	866155.747	1021088.03	972148.655	565380.161		648527.756	927008.72
2802.52999	3389.66369	3161.83593	2835.44566	3024.10642	2998.07673	3022.02656	2076.76709		2250.75187	2733.4348
23276.468	25979.93	23698.296	18890.982	22875.244	26794.676	25418.388	14803.79		17100.876	24018.27
0.031593	0.038315	0.04017	0.031687	0.039573	0.033607	0.034488	0.036428	0.031815	0.044404	0.030489
252805.446	282601.068	258851.83	209409.49	250685.315	289714.904	276074.088	164338.187		186936.925	263508.429
364832.598	405653.349	373630.509	301623.324	360312.562	417355.252	397554.499	235776.859		269273.243	378494.836
3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531		3.3531	3.3531
483642.099	540644.103	495209.436	400621.296	479586.075	554253.582	528157.339	314395.386		357629.031	504117.975
34397.79	39282.9	37502.46	34394.46	37525.77	37758.87	37724.46	27387.03		27288.24	39602.58
107.493093	106.74701	106.541079	107.482687	106.607301	107.269517	107.171761	81.509017		81.215	107.615706
35520	40848	39072	35520	39072	39072	39072	37296	37296	37296	40848
111	111	111	111	111	111	111	111	111	111	111
23276.468	25979.93	23698.296	18890.982	22875.244	26794.676	25418.388	14803.79		17100.876	24018.27
39.123798	39.229003	39.392107	40.17757	39.637157	38.700091	39.111388	40.280327		39.456596	39.723443
38.792503	38.796411	38.954502	39.660728	39.103887	38.399502	38.737238	39.724274		39.010138	39.30036
897947.403	1003394.34	921327.253	744672.717	891737.559	1028173.06	980507.056	583679.077		665047.274	935012.091
1709824.26	1516481.53	1284785.61	1278968.34	1282723.8	1776202.61	1590792.6	1034850.75		915453.253	1378439.22
811876.854	513087.189	363458.359	534295.623	390986.243	748029.543	610285.543	451171.676		250405.979	443427.132
1709824.26	1516481.53	1284785.61	1278968.34	1282723.8	1776202.61	1590792.6	1034850.75		915453.253	1378439.22
309.89	353.9	337.86	309.86	338.07	340.17	339.86	246.67		245.84	356.78
1381.64085	26606.9238	104024.482	26343.7212	16062.0918	90.952092	587.200117	12179.0957		10011.1381	37.890977
3179.98585	50277.5881	196997.651	76432.2603	30427.4067	119.872788	948.075659	39048.3668		19372.4616	76.569196

4.333454	11.704622	24.713095	8.882631	10.551322	1.062405	3.327681	6.451498			8.767797	0.395422
37.042961	716.745099	2784.60863	709.35872	432.362125	2.438691	15.682811	327.963512			269.626132	1.004608
37.276014	32.054448	28.217575	20.285169	28.455535	34.156144	32.239015	18.03577			31.823534	32.161679
37.275605	32.044266	28.188512	20.278381	28.446786	34.155798	32.237761	18.030388			31.817463	31.840041
23276.468	25979.93	23698.296	18890.982	22875.244	26794.676	25418.388	14803.79			17100.876	24018.27
72.738962	70.597635	67.324704	59.034318	64.986488	76.121238	72.211329	44.058898			50.895464	65.267038
679735.447	365371.611	228156.508	424837.282	259953.029	596595.563	465981.617	365272.106			152694.049	305691.276
679735.447	365371.611	228156.508	424837.282	259953.029	596595.563	465981.617	365272.106			152694.049	305691.276
23239.425	25263.1849	20913.6874	18181.6233	22442.8819	26792.2373	25402.7052	14475.8265			16831.2499	24017.2654
890154.522	967753.399	808657.311	710849.216	866155.747	1021088.03	972148.655	565380.161			648527.756	927008.72
1.1	10.44	19.1	2.86	2.98	0.08	0.37	1.76			4.68	0.04
-811876.85	-513087.19	-363458.36	-534295.62	-390986.24	-748029.54	-610285.54	-451171.68			-250405.98	-443427.13
-815056.84	-563364.78	-560456.01	-610727.88	-421413.65	-748149.42	-611233.62	-490220.04			-269778.44	-443503.7
236.31	258.47	215.88	236.16	255.92	238.98	251.67	194			196.02	302.34
							0.238095		1	0.238095	
96070.9233	97842.3437	83557.9967	75595.3316	93956.7556	112369.182	106471.389	65523.538			68609.6619	117889.743
0.66	0.93	0.89	0.77	0.98	0.72	0.8	0.63			0.67	0.82
6411.24	9034.02	8645.46	7479.78	9519.72	6994.08	7771.2	6119.82			6508.38	7965.48
1030088.81	1151109.92	1056629.1	854131.057	1022770.77	1179607.04	1124810.98	669578.648			762759.205	1072747.95
1030088.81	1151109.92	1056629.1	854131.057	1022770.77	1179607.04	1124810.98	669578.648			762759.205	1072747.95
848474.697	946297.452	868839.945	702244.62	839898.638	971608.834	925711.838	550172.246			626902.273	882612.811
23276.468	25979.93	23698.296	18890.982	22875.244	26794.676	25418.388	14803.79			17100.876	24018.27
6411.24	9034.02	8645.46	7479.78	9519.72	6994.08	7771.2	6119.82			6508.38	7965.48
1030088.81	1151109.92	1056629.1	854131.057	1022770.77	1179607.04	1124810.98	669578.648			762759.205	1072747.95
43061.4658	48062.8705	43841.8476	34948.3167	42319.2014	49570.1506	47024.0178	27387.0115			31636.6206	44433.7995
1.25	15.99	32.25	8.13	10.5	0.12	0.87	4.97			7.37	0.07
0.45	0.6	0.15	0.75	0.6	0.6	0.45	0.6	0.15	0.15	0.45	
0.007718	0.001114	0.00125	0.014187	0.004014	0.004232	0.004855	0.019692	0.00247	0.000178	0.003152	
0.007718	0.001114	0.00125	0.014125	0.004005	0.004232	0.004829	0.018214	0.00247	0.000178	0.003152	
42.749065	11.54545		73.858083	253.999911	1273.14083	70.142352	218.294603	16.636203		334.818065	
0.127907	0.034554		0.29493	0.737639	3.181244	0.184954	0.758845	0.058496		0.928029	
7.41	1.23	1.32	13.56	4.23	4.47	5.1	18.36	2.49	0.18	3.48	
0.024843	0.023179	0.036278	0.025093	0.028835	0.034772	0.031278	0.025595	0.030744	0.033452	0.034646	
111.15	18.45	19.8	203.4	63.45	67.05	76.5	275.4	37.35	2.7	52.2	

2688.13571	446.208761	478.858182	4919.17951	1534.52281	1621.58794	1850.13389	6660.482	903.300663	65.298843	1262.4443
0.769696	1.026262	0.256565	1.282827	1.026262	1.026262	0.769696	1.026262	0.256565	0.256565	0.769696
163.59057	27.15471	29.14164	299.36412	93.385709	98.684189	112.5927	405.333719	54.971729	3.97386	76.827959
936.15	1078.41	1017.69	935.91	1025.55	1019.28	1022.97	982.2	977.01	974.28	1065.75
2.925468	2.930461	2.891164	2.924718	2.913494	2.895681	2.906164	2.923214	2.907767	2.899642	2.896059
960	1104	1056	960	1056	1056	1056	1008	1008	1008	1104
3	3	3	3	3	3	3	3	3	3	3
7.41	1.23	1.32	13.56	4.23	4.47	5.1	18.36	2.49	0.18	3.48
11.54545	15.393934	3.848483	19.242417	15.393934	15.393934	11.54545	15.393934	3.848483	3.848483	11.54545
11.54545	15.393934	3.848483	19.242417	15.393934	15.393934	11.54545	15.393934	3.848483	3.848483	11.54545
2851.72628	473.363471	507.999822	5218.54363	1627.90852	1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226
3583.13827	529.276494	577.155813	7118.34918	2266.45317	2629.16217	2702.29305	12512.3085	1209.59395	71.975404	1627.39949
731.411988	55.913022	69.15599	1899.80555	638.54465	908.890045	739.566459	5446.49279	251.321557	2.7027	288.127231
3583.13827	529.276494	577.155813	7118.34918	2266.45317	2629.16217	2702.29305	12512.3085	1209.59395	71.975404	1627.39949
2.47	0.41	0.44	4.52	1.41	1.49	1.7	6.12	0.83	0.06	1.16
2808.97721	461.81802	507.999822	5144.68555	1373.90861	447.131302	1892.58424	6847.52111	941.636189	69.272703	1004.4542
3530.29924	517.655125	577.155813	7030.94928	1876.96682	628.164517	2596.04512	12200.5706	1186.82773	71.975404	1199.90587
0.089806	0.12	0.03	0.149936	0.12	0.058909	0.089797	0.119384	0.029479	0.03	0.09
7.298919	1.2	1.32	13.368085	3.57	1.161837	4.91774	17.792777	2.446772	0.18	2.61
384.84835			384.84835		384.84835	384.84835	384.84835	384.84835		
3.848483			3.848483		3.848483	3.848483	7.696967	3.848483		
7.41	1.23	1.32	13.56	4.23	4.47	5.1	18.36	2.49	0.18	3.48
0.023156	0.003342	0.00375	0.042375	0.012017	0.012698	0.014488	0.054642	0.00741	0.000535	0.009456
731.411988	55.913022	69.15599	1899.80555	638.54465	908.890045	739.566459	5446.49279	251.321557	2.7027	288.127231
731.411988	55.913022	69.15599	1899.80555	638.54465	908.890045	739.566459	5446.49279	251.321557	2.7027	288.127231
0.11108	0.03		0.191914	0.66	3.308162	0.182259	0.567222	0.043227		0.87
42.749065	11.54545		73.858083	253.999911	1273.14083	70.142352	218.294603	16.636203		334.818065
-731.41199	-55.913022	-69.15599	-1899.8055	-638.54465	-908.89005	-739.56646	-5446.4928	-251.32156	-2.7027	-288.12723
-4261.7112	-573.56815	-646.3118	-8930.7548	-2515.5115	-1537.0546	-3335.6116	-17647.063	-1438.1493	-74.678104	-1488.0331
795.8287	122.8377	114.4014	1136.6891	435.2397	582.4033	590.4091	1681.5626	222.3296	18.5082	406.7102
0.74	0.24	0.11	0.57	0.29	0.29	0.3	0.72	0.11	0.04	0.5
2851.72628	473.363471	507.999822	5218.54363	1627.90852	1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226
2851.72628	473.363471	507.999822	5218.54363	1627.90852	1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226

2851.72628	473.363471	507.999822	5218.54363	1627.90852	1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226
7.41	1.23	1.32	13.56	4.23	4.47	5.1	18.36	2.49	0.18	3.48
2851.72628	473.363471	507.999822	5218.54363	1627.90852	1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226
11.625464	11.573706	11.627528	12.073005	11.687189	11.387551	11.558565	12.159936	11.583606	11.631477	11.83845
0.7182	0.726744	0.704879	0.578823	0.684002	0.780635	0.738918	0.559959	0.72074	0.709252	0.656401
0.684345	0.694048	0.674233	0.358068	0.650897	0.747645	0.704277	0.456901	0.692949	0.671283	0.547111
284442.8	330782.872	309416.968	153505.462	299496.44	338750.748	321039.772	206441.254	303135.808	293758.544	264452.323
895.765343	1163.52545	1213.50265	613.649326	1050.59404	999.562827	1002.43661	785.975017	1150.70392	1034.83305	775.432014
9416.59	10982.63	10205.2	4927.02	9851.99	11316.36	10659.94	6601.31	10011.74	9698.71	8657.5
0.049531	0.046005	0.048011	0.044375	0.048267	0.041534	0.046534	0.047678	0.041815	0.055625	0.045217
107324.729	125000.435	116608.534	57943.4692	113094.805	127735.585	121075.49	78060.2771	114151.048	110749.154	99907.3756
154377.346	179278.235	168131.724	83472.7949	162523.341	183818.918	174265.707	112138.179	164802.169	159565.078	143505.822
2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466
118765.546	138325.481	129039.004	64120.243	125150.711	141352.199	133982.138	86381.5026	126319.55	122555.014	110557.502
13078.45	15096.01	14409.3	8516.15	14405.43	14507.34	14431.66	11790.17	13843.85	13644.33	13153.7
40.870156	41.021766	40.935511	26.612968	40.924517	41.214034	40.999034	35.089791	41.201934	40.608125	35.74375
13760	15824	15136	13760	15136	15136	15136	14448	14448	14448	15824
43	43	43	43	43	43	43	43	43	43	43
9416.59	10982.63	10205.2	4927.02	9851.99	11316.36	10659.94	6601.31	10011.74	9698.71	8657.5
31.404654	31.302785	31.50379	32.702335	31.615018	30.676793	31.145132	32.936281	31.224558	31.42827	32.074303
30.80381	30.692391	30.811166	31.93865	30.96806	30.200263	30.633003	32.170785	30.688109	30.811816	31.350298
289391.682	336452.465	314894.372	156724.638	304925.796	343795.725	325940.607	210621.377	307315.931	298851.568	269401.206
657351.741	606194.604	524729.517	322213.108	528598.087	698431.068	621057.844	438001.45	507363.53	482583.6	481065.161
367960.059	269742.14	209835.145	165488.47	223672.291	354635.343	295117.236	227380.073	200047.599	183732.032	211663.955
657351.741	606194.604	524729.517	322213.108	528598.087	698431.068	621057.844	438001.45	507363.53	482583.6	481065.161
304.15	351.07	335.1	197.97	335.01	337.38	335.49	274.19	321.95	317.03	305.9
38.236307	36.233343	27.05104	19.721761	27.795608	32.92352	33.307699	17.585565	31.455585	31.243305	22.718108
8.79435	9.058335	7.844801	6.310963	6.948902	8.23088	9.326155	9.496205	27.366359	16.871384	3.862078
9416.59	10982.63	10205.2	4927.02	9851.99	11316.36	10659.94	6601.31	10011.74	9698.71	8657.5
29.426843	29.844103	28.992045	15.396937	27.988607	32.14875	30.28392	19.646755	29.796845	28.865208	23.525815

311861.423	204404.412	148883.864	135201.418	164557.637	287867.952	231831.078	186577.966	140380.846	125843.449	159442.37
311861.423	204404.412	148883.864	135201.418	164557.637	287867.952	231831.078	186577.966	140380.846	125843.449	159442.37
9416.59	10982.63	10205.2	4927.02	9851.99	11316.36	10659.94	6601.31	10011.74	9698.71	8657.5
284442.8	330782.872	309416.968	153505.462	299496.44	338750.748	321039.772	206441.254	303135.808	293758.544	264452.323
-367960.06	-269742.14	-209835.14	-165488.47	-223672.29	-354635.34	-295117.24	-227380.07	-200047.6	-183732.03	-211663.96
-367960.06	-269742.14	-209835.14	-165488.47	-223672.29	-354635.34	-295117.24	-227380.07	-200047.6	-183732.03	-211663.96
2.15	3.52	2.99	5.05	2.53	2.97	2.75	10.85	41.01	11.7	1.79
			0.35				0.142857			0.130434
92684.5887	95906.4745	82296.9183	47489.8386	92568.5633	110218.104	103559.525	69575.0143	82268.9972	86691.0869	100397.354
1.03	1.18	1.14	0.67	1.13	1.05	1.02	0.87	0.87	1.06	1.03
4948.8822	5669.5932	5477.4036	3219.1758	5429.3562	5044.977	4900.8348	4180.1238	4180.1238	5093.0244	4948.8822
345490.318	401790.192	375845.653	187011.689	364040.451	410563.116	389226.766	251423.484	366982.684	356740.151	321622.791
345490.318	401790.192	375845.653	187011.689	364040.451	410563.116	389226.766	251423.484	366982.684	356740.151	321622.791
273142.892	317603.716	297170.728	147593.038	287674.052	325171.116	308247.844	198519.682	291121.72	282120.092	254063.323
9416.59	10982.63	10205.2	4927.02	9851.99	11316.36	10659.94	6601.31	10011.74	9698.71	8657.5
4948.8822	5669.5932	5477.4036	3219.1758	5429.3562	5044.977	4900.8348	4180.1238	4180.1238	5093.0244	4948.8822
345490.318	401790.192	375845.653	187011.689	364040.451	410563.116	389226.766	251423.484	366982.684	356740.151	321622.791
11299.908	13179.156	12246.24	5912.424	11822.388	13579.632	12791.928	7921.572	12014.088	11638.452	10389
0.45	0.6	0.15	0.75	0.6	0.6	0.45	0.6	0.15	0.15	0.45
0.007718	0.001125	0.00141	0.014151	0.004052	0.004232	0.005157	0.019736	0.002328	0.000178	0.00341
0.007718	0.001114	0.00125	0.014125	0.004034	0.004232	0.004943	0.019315	0.002023	0.000178	0.002961
34.636351	11.54545		64.448536	241.743083	1249.00473	148.301646	182.211747			324.861109
0.10374	0.034554		0.257197	0.695203	3.11896	0.374158	0.635011			0.900001
7.41	1.23	1.32	13.56	4.26	4.47	5.22	19.47	2.04	0.18	3.27
0.041687	0.024972	0.032613	0.03	0.034261	0.048806	0.018011	0.022142	0.03613	0.02619	0.017445
111.15	18.45	19.8	203.4	63.9	67.05	78.3	292.05	30.6	2.7	49.05
2688.13571	446.208761	478.858182	4919.17951	1545.40595	1621.58794	1893.66645	7063.1582	740.053555	65.298843	1186.26232
0.769696	1.026262	0.256565	1.282827	1.026262	1.026262	0.769696	1.026262	0.256565	0.256565	0.769696
163.59057	27.15471	29.14164	299.36412	94.048019	98.684189	115.24194	429.839189	45.037079	3.97386	72.191789
919.98	1076.43	1021.56	931.2	1019.82	1004.46	1036.98	985.68	971.58	981.6	1084.74
2.874937	2.925081	2.902159	2.91	2.897215	2.853579	2.945965	2.933571	2.891607	2.921428	2.947663
960	1104	1056	960	1056	1056	1056	1008	1008	1008	1104
3	3	3	3	3	3	3	3	3	3	3

7.41	1.23	1.32	13.56	4.26	4.47	5.22	19.47	2.04	0.18	3.27
11.54545	15.393934	3.848483	19.242417	15.393934	15.393934	11.54545	15.393934	3.848483	3.848483	11.54545
11.54545	15.393934	3.848483	19.242417	15.393934	15.393934	11.54545	15.393934	3.848483	3.848483	11.54545
2851.72628	473.363471	507.999822	5218.54363	1639.45397	1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411
3583.13827	529.276494	577.155813	7118.34918	2278.01347	2629.16217	2747.78164	13436.206	980.281308	71.975404	1537.57189
731.411988	55.913022	69.15599	1899.80555	638.559493	908.890045	738.873254	5943.20861	195.190673	2.7027	279.117784
3583.13827	529.276494	577.155813	7118.34918	2278.01347	2629.16217	2747.78164	13436.206	980.281308	71.975404	1537.57189
2.47	0.41	0.44	4.52	1.42	1.49	1.74	6.49	0.68	0.06	1.09
2817.08993	461.81802	507.999822	5154.0951	1397.71089	471.267399	1860.60674	7310.78564	785.090635	69.272703	933.592996
3540.87442	517.655125	577.155813	7043.80586	1909.42363	662.707242	2567.27444	13186.1802	980.281308	71.975404	1128.64708
0.09	0.12	0.03	0.149839	0.119424	0.058277	0.089837	0.119812	0.03	0.03	0.089512
7.32	1.2	1.32	13.392535	3.631848	1.224553	4.834649	18.996536	2.04	0.18	2.425872
			384.84835	384.84835	384.84835	384.84835	412.253115			384.84835
			3.848483	3.848483	3.848483	3.848483	8.245062			3.848483
7.41	1.23	1.32	13.56	4.26	4.47	5.22	19.47	2.04	0.18	3.27
0.023156	0.003342	0.00375	0.042375	0.012102	0.012698	0.014829	0.057946	0.006071	0.000535	0.008885
731.411988	55.913022	69.15599	1899.80555	638.559493	908.890045	738.873254	5943.20861	195.190673	2.7027	279.117784
731.411988	55.913022	69.15599	1899.80555	638.559493	908.890045	738.873254	5943.20861	195.190673	2.7027	279.117784
0.09	0.03		0.167464	0.628151	3.245446	0.38535	0.473463			0.844127
34.636351	11.54545		64.448536	241.743083	1249.00473	148.301646	182.211747			324.861109
0.25						0.32	0.01			
-731.41199	-55.913022	-69.15599	-1899.8055	-638.55949	-908.89005	-738.87325	-5943.2086	-195.19067	-2.7027	-279.11778
-4272.2864	-573.56815	-646.3118	-8943.6114	-2547.9831	-1571.5973	-3306.1477	-19129.389	-1175.472	-74.678104	-1407.7649
							0.03			
795.8287	122.8377	114.4014	1136.6891	437.6403	582.4033	609.1472	1781.4734	182.8385	18.5082	384.0086
0.74	0.24	0.11	0.57	0.3	0.29	0.32	0.75	0.1	0.04	0.45
2851.72628	473.363471	507.999822	5218.54363	1639.45397	1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411
2851.72628	473.363471	507.999822	5218.54363	1639.45397	1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411
2851.72628	473.363471	507.999822	5218.54363	1639.45397	1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411
7.41	1.23	1.32	13.56	4.26	4.47	5.22	19.47	2.04	0.18	3.27
2851.72628	473.363471	507.999822	5218.54363	1639.45397	1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411
6.829753	5.952966	4.697264	3.308616	5.13077	8.684831	5.852761	3.575583	4.821973	2.843102	2.70687
0.13472	0.100031	0.101991	0.144501	0.114627	0.175284	0.153012	0.114966	0.09311	0.066896	0.075576
0.130906	0.097211	0.098352	0.141631	0.111539	0.170125	0.147267	0.112267	0.090928	0.064244	0.07369

63164.5039	24640.5395	10470.7895	16117.9409	43930.9383	184047.326	113923.987	52727.5028	108833.871	36229.784	76881.3018
192.923584	83.222654	39.739408	62.695608	134.466176	504.353308	332.30372	188.739454	407.191975	128.853102	222.725614
2094.5	1788.7	1731	2266.1	1963.1	2994.2	2591.9	1886.1	1527.6	1079.3	1355.9
0.032171	0.031548	0.030568	0.027796	0.02446	0.03034	0.034076	0.031205	0.02677	0.032008	0.033641
30267.7	25766.3	24897	32872.9	28342.3	43196.2	37416.7	27309.3	21955.2	15535.3	19546.3
204733.251	160014.279	145030.407	174654.627	150992.554	228569.889	199474.743	145471.047	128043.388	107710.984	136142.57
2.850893	2.394335	1.934593	1.200937	1.884178	3.238722	2.149158	1.287174	1.912533	1.261755	1.361064
9351.81549	3815.72534	1771.20933	2950.39609	8230.32986	34665.9186	21449.7122	10039.0814	18566.2797	5304.75877	11039.4472
15479.1	17891.8	16966.9	15607.9	17202.2	17048.6	17024.4	16258.2	16363	16236.9	17774.1
48.372187	48.619021	48.20142	48.774687	48.869886	48.433522	48.364772	48.3875	48.699404	48.324107	48.299184
16000	18400	17600	16000	17600	17600	17600	16800	16800	16800	18400
50	50	50	50	50	50	50	50	50	50	50
2094.5	1788.7	1731	2266.1	1963.1	2994.2	2591.9	1886.1	1527.6	1079.3	1355.9
70.719957	56.111766	48.449179	34.648466	47.901198	80.941656	56.744142	33.729569	44.643757	31.184682	36.238376
40.991487	34.27159	27.682896	17.412815	27.191089	46.407379	30.921671	18.49868	27.361314	18.011474	19.502836
205389.602	160522.295	145553.89	175473.355	151653.699	229765.053	200179.401	146007.291	128557.259	108001.939	136614.785
385905.19	263129.555	221146.786	425301.301	296159.57	419102.911	371294.575	443676.737	208293.091	169421.741	241485.228
180515.588	102607.26	75592.8962	249827.946	144505.872	189337.857	171115.174	297669.446	79735.8317	61419.8022	104870.443
385905.19	263129.555	221146.786	425301.301	296159.57	419102.911	371294.575	443676.737	208293.091	169421.741	241485.228
252.1	209.05	157.6	128.24	176.58	305.61	218.74	148.26	128.86	96.72	106.74
142225.098	135881.756	135083.101	159355.414	107722.761	45717.7275	86255.4139	93279.7886	19723.3884	71772.1549	59733.4834
268546.768	221253.196	206412.617	386884.243	205500.802	72680.1093	151667.743	293714.147	30290.7337	112598.934	104139.491
8.077823	8.499082	7.335476	5.31978	7.182795	6.23678	5.855679	4.904274	2.785233	4.010251	3.003008
1435.04439	1519.73807	1605.95082	2058.64112	1384.74354	570.259326	1085.72952	1182.65999	223.643024	706.630076	577.770415
99.356322	98.800995	89.324508	97.669564	92.217165	91.849671	91.105417	90.40438	91.433293	102.811366	121.040029
44.675096	33.573867	25.877605	20.487895	32.092733	55.933894	37.33149	21.560715	31.032936	20.555044	22.947809
2094.5	1788.7	1731	2266.1	1963.1	2994.2	2591.9	1886.1	1527.6	1079.3	1355.9
6.545312	4.860597	4.917613	7.081562	5.576988	8.50625	7.363352	5.613392	4.546428	3.212202	3.68451
180515.588	102607.26	75592.8962	249827.946	144505.872	189337.857	171115.174	297669.446	79735.8317	61419.8022	104870.443
180515.588	102607.26	75592.8962	249827.946	144505.872	189337.857	171115.174	297669.446	79735.8317	61419.8022	104870.443
659.455614	268.961929	125.049184	207.458884	578.356461	2423.94067	1506.17048	703.440013	1303.95698	372.669923	778.129584
63164.5039	24640.5395	10470.7895	16117.9409	43930.9383	184047.326	113923.987	52727.5028	108833.871	36229.784	76881.3018
29.19	27.02	26.84	35.19	27.48	22.81	28.94	20.57	11.1	14.22	15.6
-180515.59	-102607.26	-75592.896	-249827.95	-144505.87	-189337.86	-171115.17	-297669.45	-79735.832	-61419.802	-104870.44
-449062.36	-323860.46	-282005.51	-636712.19	-350006.67	-262017.97	-322782.92	-591383.59	-110026.57	-174018.74	-209009.93

4.64	1.88	0.9	1.46	4.44	26.6	13.15	5.87	13.55	3.56	5.64
24317.0173	18186.4973	15490.8049	21553.2449	21294.4946	38553.6983	31003.7431	19192.1642	13948.8449	10696.4961	16432.9399
0.28	0.23	0.3	0.37	0.36	0.79	0.26	0.16	0.37	0.13	0.28
224.938	177.161	220.713	294.703	268.914	611.818	188.579	123.463	254.119	96.826	214.792
205389.602	160522.295	145553.89	175473.355	151653.699	229765.053	200179.401	146007.291	128557.259	108001.939	136614.785
205389.602	160522.295	145553.89	175473.355	151653.699	229765.053	200179.401	146007.291	128557.259	108001.939	136614.785
204733.251	160014.279	145030.407	174654.627	150992.554	228569.889	199474.743	145471.047	128043.388	107710.984	136142.57
2094.5	1788.7	1731	2266.1	1963.1	2994.2	2591.9	1886.1	1527.6	1079.3	1355.9
224.938	177.161	220.713	294.703	268.914	611.818	188.579	123.463	254.119	96.826	214.792
205389.602	160522.295	145553.89	175473.355	151653.699	229765.053	200179.401	146007.291	128557.259	108001.939	136614.785
431.412999	330.854999	302.77	524.024999	392.230999	583.345999	516.078999	412.780999	259.752	194.129	257.422999
0.02	0.08									
0.45	0.6	0.15	0.75	0.6	0.6	0.45	0.6	0.15	0.15	0.45
0.007577	0.001146	0.00125	0.014171	0.004034	0.004235	0.005215	0.019705	0.00247	0.000178	0.003152
0.006937	0.001114	0.00125	0.014125	0.004034	0.004232	0.004147	0.019494	0.00247	0.000178	0.003152
43.062494	15.393934		70.421325	290.931392	1576.81016	184.727208	144.73113			415.636218
0.12901	0.046073		0.280932	0.830924	3.923858	0.466222	0.522744			1.151132
8.88	1.64	1.76	18.08	5.68	5.96	5.84	26.2	3.32	0.24	4.64
0.034656	0.026168	0.017357	0.0295	0.033096	0.037755	0.037528	0.025654	0.022589	0.023065	0.028586
133.2	24.6	26.4	271.2	85.2	89.4	87.6	393	49.8	3.6	69.6
3221.40959	594.945015	638.477577	6558.90602	2060.54127	2162.11725	2118.58469	9504.60939	1204.40088	87.065124	1683.25907
0.769696	1.026262	0.256565	1.282827	1.026262	1.026262	0.769696	1.026262	0.256565	0.256565	0.769696
196.04376	36.20628	38.85552	399.15216	125.39736	131.57892	128.92968	578.4174	73.29564	5.29848	102.43728
1235.64	1433.48	1383.56	1242.24	1361.4	1354.84	1355.16	1309.52	1313.64	1313	1429.92
3.861375	3.895326	3.930568	3.882	3.867613	3.848977	3.849886	3.89738	3.909642	3.907738	3.885652
1280	1472	1408	1280	1408	1408	1408	1344	1344	1344	1472
4	4	4	4	4	4	4	4	4	4	4
8.88	1.64	1.76	18.08	5.68	5.96	5.84	26.2	3.32	0.24	4.64
11.54545	15.393934	3.848483	19.242417	15.393934	15.393934	11.54545	15.393934	3.848483	3.848483	11.54545
11.54545	15.393934	3.848483	19.242417	15.393934	15.393934	11.54545	15.393934	3.848483	3.848483	11.54545
3417.45335	631.151295	677.333097	6958.05818	2185.93863	2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635
4285.19678	705.701992	769.541084	9491.13225	3037.35129	3505.54956	3060.99598	18061.4232	1612.79193	95.967205	2169.86599
867.743426	74.550697	92.207987	2533.07407	851.412657	1211.85339	813.481607	7978.39636	335.095409	3.603601	384.169641
4285.19678	705.701992	769.541084	9491.13225	3037.35129	3505.54956	3060.99598	18061.4232	1612.79193	95.967205	2169.86599

2.22	0.41	0.44	4.52	1.42	1.49	1.46	6.55	0.83	0.06	1.16
3374.39086	615.757361	677.333097	6887.63685	1895.00724	716.886014	2062.78716	9938.29566	1277.69652	92.363604	1370.06013
4232.98267	690.206833	769.541084	9413.52483	2605.98878	1001.22703	2839.81453	17859.6781	1612.79193	95.967205	1654.16169
0.119624	0.16	0.04	0.199877	0.157003	0.07686	0.12	0.159565	0.04	0.04	0.12
8.768105	1.6	1.76	17.897015	4.924036	1.862775	5.36	25.823926	3.32	0.24	3.56
427.889276			411.129176	494.264438	449.495079	540.407175	476.902911			466.009682
4.278892			8.222583	9.885288	17.979803	10.808143	14.307087			9.320193
8.88	1.64	1.76	18.08	5.68	5.96	5.84	26.2	3.32	0.24	4.64
0.02775	0.004456	0.005	0.0565	0.016136	0.016931	0.01659	0.077976	0.00988	0.000714	0.012608
867.743426	74.550697	92.207987	2533.07407	851.412657	1211.85339	813.481607	7978.39636	335.095409	3.603601	384.169641
867.743426	74.550697	92.207987	2533.07407	851.412657	1211.85339	813.481607	7978.39636	335.095409	3.603601	384.169641
0.111894	0.04		0.182984	0.755963	4.097224	0.48	0.376073			1.08
43.062494	15.393934		70.421325	290.931392	1576.81016	184.727208	144.73113			415.636218
2.2	0.37	0.43	4.48	1.23	0.49	1.34	6.46	0.83	0.06	0.88
-867.74343	-74.550697	-92.207987	-2533.0741	-851.41266	-1211.8534	-813.48161	-7978.3964	-335.09541	-3.603601	-384.16964
-5100.7261	-764.75753	-861.74907	-11946.599	-3457.4014	-2213.0804	-3653.2961	-25838.074	-1947.8873	-99.570806	-2038.3313
0.02			0.03	0.18	0.98	0.12	0.08			0.27
716.6231	122.8377	114.4014	1136.6891	437.6403	582.4033	521.8761	1793.8236	222.3296	18.5082	406.7102
0.67	0.24	0.11	0.57	0.3	0.29	0.29	0.75	0.11	0.04	0.5
3417.45335	631.151295	677.333097	6958.05818	2185.93863	2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635
3417.45335	631.151295	677.333097	6958.05818	2185.93863	2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635
3417.45335	631.151295	677.333097	6958.05818	2185.93863	2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635
8.88	1.64	1.76	18.08	5.68	5.96	5.84	26.2	3.32	0.24	4.64
3417.45335	631.151295	677.333097	6958.05818	2185.93863	2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635
10.491796	10.474537	10.527017	10.861159	10.593595	10.333949	10.470507	10.891878	10.494935	10.574994	10.694082
0.566121	0.556087	0.517412	0.392833	0.493382	0.601451	0.562791	0.389148	0.523228	0.513573	0.483205
0.537395	0.525939	0.489646	0.279841	0.472166	0.567916	0.526183	0.36938	0.49212	0.487015	0.45766
353066.365	396614.886	355615.776	187808.053	343805.692	408779.35	380025.298	260708.413	341623.978	337997.476	348356.324
1110.16601	1391.04934	1393.8053	749.941971	1198.76031	1193.7436	1178.11328	977.098548	1295.87275	1188.30255	1026.29908
10077.244	11341.786	10100.046	5247.594	9739.468	11714.52	10853.69	7272.946	9689.656	9589.15	9869.366
0.053687	0.05519	0.062443	0.064125	0.049176	0.058181	0.067897	0.051755	0.061696	0.05366	0.053994
103005.557	116105.244	103735.548	54853.2639	100508.127	119374.975	110994.512	76300.4409	99470.4126	98657.1235	101887.193
148612.948	166170.581	149789.02	79011.7989	144370.176	171812.792	159717.914	109387.791	144212.85	142213.401	146182.787
3.3652	3.3652	3.3652	3.3652	3.365199	3.3652	3.3652	3.365199	3.3652	3.3652	3.365199

198306.297	223525.815	199711.677	105603.504	193498.246	229820.701	213686.634	146893.609	191500.438	189934.694	196153.223
17745.252	20374.634	19339.172	13192.032	19612.834	19427.072	19226.66	18670.546	18474.822	18633.042	20400.418
55.453912	55.365853	54.940829	41.2251	55.718278	55.190545	54.621193	55.567101	54.984589	55.455482	55.435918
18752	21564.8	20627.2	18752	20627.2	20627.2	20627.2	19689.6	19689.6	19689.6	21564.8
58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999
10077.244	11341.786	10100.046	5247.594	9739.468	11714.52	10853.69	7272.946	9689.656	9589.15	9869.366
39.951956	39.783079	40.513565	44.590334	40.154717	39.304202	40.421275	42.672014	39.799195	40.546343	41.988239
35.914768	35.87138	36.03279	37.15709	36.264272	35.384024	35.843394	37.267549	35.916195	36.191134	36.601733
378349.4	428000.723	382034.546	209176.14	367348.875	440383.144	411629.092	286000.932	368214.757	363716.426	378652.375
802743.38	706502.419	602443.468	424483.641	617544.962	823293.747	730737.436	638618.037	574047.379	562919.707	631983.518
424393.981	278501.697	220408.922	215307.501	250196.086	382910.603	319108.344	352617.105	205832.623	199203.281	253331.144
802743.38	706502.419	602443.468	424483.641	617544.962	823293.747	730737.436	638618.037	574047.379	562919.707	631983.518
302.82	347.69	328.91	225.12	334.69	331.52	328.1	318.61	315.27	317.97	348.13
		45.948829	8.28209	3.806242			9.483915			
		78.291726	12.292279	3.512308			30.382178			
		0.93042	0.219609	0.10117			0.243202			
		1.178405	0.219609	0.10117			0.243202			
39.26395	36.631293	33.095351	21.813851	29.824604	34.856136	34.151143	17.926607	30.583245	33.125252	33.73469
27.484765	30.770286	28.062377	12.215756	23.857952	27.884908	26.637891	17.388809	30.583245	32.793999	26.650405
10077.244	11341.786	10100.046	5247.594	9739.468	11714.52	10853.69	7272.946	9689.656	9589.15	9869.366
31.491387	30.82007	28.693312	16.398731	27.668943	33.279886	30.834346	21.645672	28.838261	28.539136	26.818929
370552.976	217813.486	166186.351	186635.7	197660.488	320513.303	261091.513	312734.865	153839.438	147635.203	200074.708
370552.976	217813.486	166186.351	186635.7	197660.488	320513.303	261091.513	312734.865	153839.438	147635.203	200074.708
10077.244	11341.786	10098.8676	5247.37439	9739.36683	11714.52	10853.69	7272.7028	9689.656	9589.15	9869.366
353066.365	396614.886	355615.776	187808.053	343805.692	408779.35	380025.298	260708.413	341623.978	337997.476	348356.324
		0.03								
-424393.98	-278501.7	-220408.92	-215307.5	-250196.09	-382910.6	-319108.34	-352617.11	-205832.62	-199203.28	-253331.14
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12.31	17.55	17.42	9.96	17.84	12.34	14.03	69.46	235.89	73.09	16.01
			0.25							
86912.3032	89573.4856	75959.7186	49980.7643	87840.7701	100888.659	95214.3896	77403.4792	75207.3131	81935.4368	107047.203
1.16	1.44	1.21	0.98	1.08	1.45	1.45	1.16	1.22	1.18	1.39
25283.0352	31385.8368	26372.8212	21359.8056	23539.3776	31603.794	31603.794	25283.0352	26590.7784	25718.9496	30296.0508
432190.404	488688.933	436257.117	237847.941	419884.473	502780.444	469645.924	325883.173	420207.941	415284.505	431908.81
432190.404	488688.933	436257.117	237847.941	419884.473	502780.444	469645.924	325883.173	420207.941	415284.505	431908.81

346919.246	389696.396	349500.696	184615.302	337868.422	401633.493	373404.548	256281.4	335713.288	332148.095	342336.011
10077.244	11341.786	10100.046	5247.594	9739.468	11714.52	10853.69	7272.946	9689.656	9589.15	9869.366
25283.0352	31385.8368	26372.8212	21359.8056	23539.3776	31603.794	31603.794	25283.0352	26590.7784	25718.9496	30296.0508
432190.404	488688.933	436257.117	237847.941	419884.473	502780.444	469645.924	325883.173	420207.941	415284.505	431908.81
6147.11884	6918.48946	6161.02806	3201.03234	5941.07548	7145.8572	6620.7509	4436.49706	5910.69016	5849.3815	6020.31326
		0.04	0.01	0.01						
5.1	5.4	4.35	3.15	4.5	8.1	5.55	3.6	3.45	2.7	2.55
0.126646	0.094101	0.093695	0.1404	0.109197	0.164256	0.145268	0.110927	0.082345	0.061538	0.070242
0.121062	0.08913	0.088693	0.132937	0.104005	0.157585	0.139886	0.110297	0.079702	0.060089	0.069048
9193.91096	3646.61217	1541.23485	2393.23857	8579.75389	40198.8929	21734.9654	11229.4926	22269.8797	7535.43351	13615.9766
28.035149	12.35251	5.878029	9.346551	25.893448	108.502757	62.465942	40.163034	82.726419	26.817869	39.443837
542.36	459.2	437.08	595.56	512.54	776.58	689.36	518.84	374.92	282.66	355.74
0.027062	0.031005	0.033125	0.039812	0.029375	0.02784	0.027301	0.036101	0.03369	0.025952	0.015706
8135.4	6888	6556.2	8933.4	7688.1	11648.7	10340.4	7782.6	5623.8	4239.9	5336.1
55244.8152	42252.0603	38137.5328	47582.455	40957.0211	61513.1456	55197.9738	41546.2506	32953.828	29747.9559	37056.0716
2.118816	2.05438	1.694433	1.105738	1.574942	2.867253	1.940695	1.235385	1.269228	1.130919	1.202102
1365.48134	589.095097	267.38967	434.047728	1599.04944	7573.14613	4094.40916	2151.13265	3747.81762	1100.74039	1930.2029
4358.76	4992.26	4764.76	4301.64	4783.24	4790.8	4793.46	4534.18	4545.52	4581.92	5071.08
13.621125	13.565923	13.53625	13.442625	13.58875	13.610227	13.617784	13.494583	13.528333	13.636666	13.780108
4480	5152	4928	4480	4928	4928	4928	4704	4704	4704	5152
14	14	14	14	14	14	14	14	14	14	14
542.36	459.2	437.08	595.56	512.54	776.58	689.36	518.84	374.92	282.66	355.74
31.925554	31.143592	25.634622	16.853588	24.009656	43.787804	29.214385	18.718433	19.285028	16.985446	18.13468
31.925554	31.143592	25.634622	16.853588	24.009656	43.787804	29.214385	18.718433	19.285028	16.985446	18.13468
55360.3152	42430.5603	38284.5328	47834.455	41135.5211	61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716
102170.67	68194.7784	57786.7275	116433.688	79701.6082	110377.987	100952.684	125203.607	54097.8731	46160.8717	65580.1523
46810.3549	25764.2181	19502.1947	68599.2328	38566.0871	48444.8414	45618.21	83594.356	20986.5451	16381.4158	28408.5806
102170.67	68194.7784	57786.7275	116433.688	79701.6082	110377.987	100952.684	125203.607	54097.8731	46160.8717	65580.1523
118.9	116.3	86.24	70.95	109.16	164.56	120.41	87.82	71.33	51.59	57.93
46166.4042	38783.9481	36743.2979	45441.2164	32555.7672	21734.2527	33599.5084	30379.758	10841.4483	22244.0224	23555.595
85968.6256	61828.6678	55658.2841	110714.514	61513.8913	34135.3633	59894.6192	94961.6726	17227.5604	34654.0911	41500.6469
4.507094	4.849066	4.026293	2.915305	4.044734	5.753162	4.468588	3.064591	2.536762	2.379892	2.167512
451.32791	419.926993	419.254021	566.623484	405.936703	271.703591	416.399389	375.431156	125.065492	209.277307	227.059806
106.949169	101.284751	91.888929	81.594613	86.388625	86.603891	83.372222	81.940317	87.039897	96.755975	111.663271

30.991832	23.295492	12.86445	12.972882	24.16479	45.671809	30.821399	17.207466	19.911418	16.448515	18.922567
542.36	459.2	437.08	595.56	512.54	776.58	689.36	518.84	374.92	282.66	355.74
1.694875	1.247826	1.241704	1.861125	1.456079	2.206193	1.958409	1.544166	1.115833	0.84125	0.966684
46810.3549	25764.2181	19502.1947	68599.2328	38566.0871	48444.8414	45618.21	83594.356	20986.5451	16381.4158	28408.5806
46810.3549	25764.2181	19502.1947	68599.2328	38566.0871	48444.8414	45618.21	83594.356	20986.5451	16381.4158	28408.5806
91.032089	39.273006	17.825978	28.936515	106.603296	504.876408	272.96061	143.408843	249.854507	73.382692	128.680193
9193.91096	3646.61217	1541.23485	2393.23857	8579.75389	40198.8929	21734.9654	11229.4926	22269.8797	7535.43351	13615.9766
7.21	9.19	10.49	5.71	7.37	7	8.99	5.13	4.09	4.9	4.68
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-132778.98	-87592.886	-75160.479	-179313.75	-100079.98	-82580.205	-105512.83	-178556.03	-38214.106	-51035.507	-69909.228
1.38	0.64	0.29	0.19	1.97	7.6	4.1	1.85	4.39	1.43	2.3
12404.7236	9486.996	8088.8737	10744.4674	11088.9955	20009.0002	16433.2456	10196.6471	7123.6741	5748.6361	8702.1689
0.11	0.17	0.14	0.24	0.17	0.4	0.13	0.06	0.15	0.03	0.11
115.5	178.5	147	252	178.5	420	136.5	63	157.5	31.5	115.5
55360.3152	42430.5603	38284.5328	47834.455	41135.5211	61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716
55360.3152	42430.5603	38284.5328	47834.455	41135.5211	61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716
55244.8152	42252.0603	38137.5328	47582.455	40957.0211	61513.1456	55197.9738	41546.2506	32953.828	29747.9559	37056.0716
542.36	459.2	437.08	595.56	512.54	776.58	689.36	518.84	374.92	282.66	355.74
115.5	178.5	147	252	178.5	420	136.5	63	157.5	31.5	115.5
55360.3152	42430.5603	38284.5328	47834.455	41135.5211	61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716
0.02	0.12									

11.106287	11.070794	11.125742	11.439697	11.194128	10.974098	11.091493	11.481596	11.139859	11.130514	11.239018
0.436008	0.415813	0.401564	0.338293	0.389021	0.476264	0.442996	0.316105	0.298996	0.365469	0.365947
0.419361	0.40029	0.385585	0.300525	0.37482	0.458085	0.42527	0.278014	0.20083	0.325736	0.347576
1830410.11	1840654.79	1537186.88	1159565.28	1696713.89	2331068.76	2072300.44	1216525.94	976957.13	1437704.52	1826926.99
5744.03097	6436.25508	6010.88737	4618.92408	5863.74299	6750.61774	6387.59996	4500.51173	3695.53101	5026.25287	5369.55085
49263.242	54076.366	49825.062	35303.276	48434.012	59193.416	54953.178	34291.916	24771.546	40178.136	46955.146
0.035667	0.032961	0.036056	0.035014	0.032962	0.037541	0.035511	0.033003	0.033674	0.035232	0.031583
538268.074	589629.525	545146.28	396540.552	533443.289	644611.142	600821.762	385014.783	271175.944	439001.918	515799.162
1204434.04	1166128.13	1081990.56	899305.975	1047209.49	1356919.9	1240570.14	864341.786	649857.228	862903.986	1032458.15
3.476403	3.362034	3.343988	3.409221	3.315437	3.424715	3.374428	3.353333	3.226539	3.301344	3.371764
802500.927	902823.126	824335.365	573522.807	799267.675	926389.354	877029.471	552016.502	318430.906	670205.602	811693.633
39347.6859	20201.063	9413.76861	17228.6874	30762.9761	93580.4255	66612.2708	30846.7402	51814.0973	21072.6538	36711.3408
113032.837	130032.864	123828.372	104041.717	124493.169	124276.827	124118.95	108204.771	82731.032	109904.302	128352.998

353.227615	353.350173	351.785147	325.130365	353.673775	353.059167	352.610653	322.038008	246.223309	327.096136	348.78532
117472	135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
49263.242	54076.366	49825.062	35303.276	48434.012	59193.416	54953.178	34291.916	24771.546	40178.136	46955.146
296.526042	293.575029	232.027363	259.963606	271.129509	332.524712	275.303664	245.297002	179.347307	199.772081	235.339571
40.314097	38.902734	38.885874	40.751915	38.805737	39.500562	39.214652	40.116163	37.377293	38.300162	39.479088
2141406.93	2217935.49	2044989.55	1581387.05	1979366.99	2452799.06	2274520.59	1521494.51	1048161.77	1643401.79	1974597.1
4265179.96	3585167.61	3081064.55	3179054.33	3248409.03	4483765.35	3992243.95	3388306.67	1697607.92	2473801.06	3197633.47
2123773.03	1367232.12	1036074.99	1597667.28	1269042.04	2030966.29	1717723.36	1866812.15	649446.15	830399.273	1223036.37
4265179.96	3585167.61	3081064.55	3179054.33	3248409.03	4483765.35	3992243.95	3388306.67	1697607.92	2473801.06	3197633.47
1521.9	1572.62	1411.49	1043.6	1432.7	1700.02	1512.97	1207.85	956.71	1129.8	1278.97
274353.656	331191.247	467306.993	389763.013	244164.647	78087.4553	157944.316	269385.597	40433.7405	168376.91	104459.695
503989.932	555730.156	769397.953	929391.345	462919.253	122758.485	272890.692	761599.819	60125.6074	272361.184	178681.282
3.511081	4.929835	6.296978	3.070957	3.990042	2.374006	2.491022	2.847973	0.970877	2.809804	1.175895
2737.87776	4503.09646	7681.42204	5238.45377	3483.36301	957.112887	1889.16165	3104.90827	381.007719	2055.68384	971.446691
50.525451	45.336418	38.265387	30.882139	41.970803	55.098208	46.342579	28.726573	42.376497	39.12146	42.005336
50.511683	45.261064	38.22907	30.856192	41.888861	55.029499	46.324716	28.682197	42.341105	39.102581	41.957865
49263.242	54076.366	49825.062	35303.276	48434.012	59193.416	54953.178	34291.916	24771.546	40178.136	46955.146
153.947631	146.946646	141.548471	110.322737	137.596625	168.163113	156.116982	102.059273	73.724839	119.577785	127.595505
1881691.99	1093490.6	785599.288	1429250.08	1026358.57	1750367.62	1452116.45	1700228.24	537786.213	623230.681	979822.494
1881691.99	1093490.6	785599.288	1429250.08	1026358.57	1750367.62	1452116.45	1700228.24	537786.213	623230.681	979822.494
46525.3642	49573.2695	42143.64	30064.8222	44950.649	58236.3031	53064.0163	31187.0077	24390.5383	38122.4522	45983.6993
1830410.11	1840654.79	1537186.88	1159565.28	1696713.89	2331068.76	2072300.44	1216525.94	976957.13	1437704.52	1826926.99
49.93	64.01	79.45	56.29	50.59	33.38	45.53	40.88	16.61	34.58	24.33
-2123773	-1367232.1	-1036075	-1597667.3	-1269042	-2030966.3	-1717723.4	-1866812.2	-649446.15	-830399.27	-1223036.4
-2627763	-1922962.3	-1805472.9	-2527058.6	-1731961.3	-2153724.8	-1990614.1	-2628412	-709571.76	-1102760.5	-1401717.7
268.59	287.06	240.2	254.36	289.94	318.38	305.38	287.85	315.76	292.91	342.54
			0.054545				0.034632	0.090909	0.021645	0.011857
336524.46	329048.196	282051.984	224133.868	326464.976	418596.274	381967.172	263310.566	193831.878	265732.46	367906.639
5.82	5.25	4.58	5.15	5.27	6.33	5.18	5.41	3.56	3.64	5.5
37212.1105	46761.0576	41156.5292	32841.6786	39286.1985	45221.509	44914.194	35937.4927	31499.9593	37681.347	43770.1069
2383487.97	2491677.01	2295465.26	1749804.25	2222050.46	2733397.73	2540127.5	1688078.43	1159821.71	1850570.38	2217810.98
2383487.97	2491677.01	2295465.26	1749804.25	2222050.46	2733397.73	2540127.5	1688078.43	1159821.71	1850570.38	2217810.98
2006934.97	2068951.25	1906325.93	1472828.78	1846477.17	2283309.26	2117599.61	1416358.29	968288.134	1533109.59	1844151.78
49263.242	54076.366	49825.062	35303.276	48434.012	59193.416	54953.178	34291.916	24771.546	40178.136	46955.146

37212.1105	46761.0576	41156.5292	32841.6786	39286.1985	45221.509	44914.194	35937.4927	31499.9593	37681.347	43770.1069
2383487.97	2491677.01	2295465.26	1749804.25	2222050.46	2733397.73	2540127.5	1688078.43	1159821.71	1850570.38	2217810.98
97259.8454	102223.179	97507.0961	75716.5942	93603.6229	124268.296	112006.781	69198.7346	48373.68	72610.8515	86675.2136
1.4	16.86	32.29	8.15	10.7	0.12	0.87	4.99		7.4	0.07

5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
944478.542	773910.538	494028.004	436874.277	899520.977	1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15
2952.31479	2696.92158	1927.80536	1736.06527	3047.34228	4591.75931	3851.25833	1966.52546	4932.1909	3515.74759	4159.61993
-101632.93	-104832.49	-89861.811	-80295.104	-101272.47	-119511.88	-113400.05	-90273.296	-88848.825	-95609.544	-125037.98
101632.93	104832.485	89861.8106	80295.1043	101272.474	119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981
944478.542	773910.538	494028.004	436874.277	899520.977	1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15
268.1	285.81	239	255.13	289.93	317.61	304.93	289.83	318.88	293.32	343.28
227.829187	201.423349	168.200848	178.63622	238.651846	273.905333	257.861441	234.047515	227.307865	218.398877	260.594318
122.603853	98.122666	84.265518	105.721693	117.90851	139.669215	136.833315	133.596078	139.707439	121.233444	159.426094
36653.4062	31687.1102	23869.9166	30806.3232	37828.9879	46599.4002	45433.2016	42607.333	45765.4553	38145.1018	57419.1247
-101632.93	-104832.49	-89861.811	-80295.104	-101272.47	-119511.88	-113400.05	-90273.296	-88848.825	-95609.544	-125037.98
-317.60291	-284.87088	-255.28923	-250.9222	-287.70589	-339.5224	-322.15922	-268.67052	-264.43103	-284.55221	-339.77712
-5744544.3	-4904070.9	-3802558.5	-3508790.6	-4481531.7	-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4
-56.439467	-46.766544	-42.332882	-43.776416	-44.270877	-56.045128	-50.504894	-42.531236	-42.102161	-42.037354	-42.898605
-5744544.3	-4904070.9	-3802558.5	-3508790.6	-4481531.7	-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
6689022.86	5677981.47	4296586.5	3945664.85	5381052.64	8330314.95	6981344.87	4361316.66	5054137.69	5018842.59	6783470.55
101632.93	104832.485	89861.8106	80295.1043	101272.474	119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4

5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
944478.542	773910.538	494028.004	436874.277	899520.977	1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15
2952.31479	2696.92158	1927.80536	1736.06527	3047.34228	4591.75931	3851.25833	1966.52546	4932.1909	3515.74759	4159.61993
-101632.93	-104832.49	-89861.811	-80295.104	-101272.47	-119511.88	-113400.05	-90273.296	-88848.825	-95609.544	-125037.98
101632.93	104832.485	89861.8106	80295.1043	101272.474	119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981
944478.542	773910.538	494028.004	436874.277	899520.977	1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15
268.1	285.81	239	255.13	289.93	317.61	304.93	289.83	318.88	293.32	343.28

227.829187	201.423349	168.200848	178.63622	238.651846	273.905333	257.861441	234.047515	227.307865	218.398877	260.594318
122.603853	98.122666	84.265518	105.721693	117.90851	139.669215	136.833315	133.596078	139.707439	121.233444	159.426094
36653.4062	31687.1102	23869.9166	30806.3232	37828.9879	46599.4002	45433.2016	42607.333	45765.4553	38145.1018	57419.1247
-101632.93	-104832.49	-89861.811	-80295.104	-101272.47	-119511.88	-113400.05	-90273.296	-88848.825	-95609.544	-125037.98
-317.60291	-284.87088	-255.28923	-250.9222	-287.70589	-339.5224	-322.15922	-268.67052	-264.43103	-284.55221	-339.77712
-5744544.3	-4904070.9	-3802558.5	-3508790.6	-4481531.7	-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4
-56.439467	-46.766544	-42.332882	-43.776416	-44.270877	-56.045128	-50.504894	-42.531236	-42.102161	-42.037354	-42.898605
-5744544.3	-4904070.9	-3802558.5	-3508790.6	-4481531.7	-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
6689022.86	5677981.47	4296586.5	3945664.85	5381052.64	8330314.95	6981344.87	4361316.66	5054137.69	5018842.59	6783470.55
101632.93	104832.485	89861.8106	80295.1043	101272.474	119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4
5744544.31	4904070.93	3802558.5	3508790.57	4481531.67	6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4

331863.998	394849.666	406592.076	341230.49	303384.633	232317.193	229481.25	280683.216	322121.219	330997.801	368618.376
1048.45166	1392.79493	1597.53826	1363.92155	1072.74199	693.412139	720.49095	1056.8899	1223.16383	1167.49492	1088.63314
6462.78476	7689.38006	7918.05407	6645.18968	5908.17201	4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676
362089.167	355602.395	330966.576	285112.806	253899.824	244162.574	220919.018	224511.663	263185.208	269366.074	305645.348
6462.78476	7689.38006	7918.05407	6645.18968	5908.17201	4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676
20.196202	20.895054	22.494471	20.766217	16.784579	12.852814	12.695917	16.268095	18.669797	19.184274	19.50692
30225.1695	-39247.271	-75625.5	-56117.684	-49484.809	11845.3812	-8562.2323	-56171.553	-58936.011	-61631.726	-62973.028
30225.1695	-39247.271	-75625.5	-56117.684	-49484.809	11845.3812	-8562.2323	-56171.553	-58936.011	-61631.726	-62973.028
6462.78476	7689.38006	7918.05407	6645.18968	5908.17201	4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676
331863.998	394849.666	406592.076	341230.49	303384.633	232317.193	229481.25	280683.216	322121.219	330997.801	368618.376
-30225.17	39247.2713	75625.4999	56117.6838	49484.8086	-11845.381	8562.23226	56171.5532	58936.0114	61631.7265	62973.0282
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101632.93	104832.485	89861.8106	80295.1043	101272.474	119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981
331863.998	394849.666	406592.076	341230.49	303384.633	232317.193	229481.25	280683.216	322121.219	330997.801	368618.376

331863.998	394849.666	406592.076	341230.49	303384.633	232317.193	229481.25	280683.216	322121.219	330997.801	368618.376
6462.78476	7689.38006	7918.05407	6645.18968	5908.17201	4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676
331863.998	394849.666	406592.076	341230.49	303384.633	232317.193	229481.25	280683.216	322121.219	330997.801	368618.376
331863.998	394849.666	406592.076	341230.49	303384.633	232317.193	229481.25	280683.216	322121.219	330997.801	368618.376
6462.78476	7689.38006	7918.05407	6645.18968	5908.17201	4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676
362089.167	355602.395	330966.576	285112.806	253899.824	244162.574	220919.018	224511.663	263185.208	269366.074	305645.348
30225.1695	-39247.271	-75625.5	-56117.684	-49484.809	11845.3812	-8562.2323	-56171.553	-58936.011	-61631.726	-62973.028
331863.998	394849.666	406592.076	341230.49	303384.633	232317.193	229481.25	280683.216	322121.219	330997.801	368618.376
314833.656	374490.128	386035.248	323746.821	287263.117	220752.025	217882.924	265994.863	305298.817	313908.799	349497.913
994.64016	1320.98235	1516.75122	1294.0384	1015.78526	658.843522	684.044876	1001.59534	1159.3327	1107.22411	1032.19323
7262.59876	8638.75728	8905.08069	7468.2081	6626.60015	5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558
406905.315	399519.238	372387.484	320587.087	284596.327	274957.822	248471.201	251848.593	295495.864	302606.294	343225.941
38.73609	50.196743	13.064873	17.515508	24.588339	39.628412	22.358887	23.331988	25.676179	22.612989	27.83612
0.774721	1.505902	0.261297	1.40124	1.721183	1.188852	0.670766	4.666397	7.446092	2.035169	2.50525
7262.59876	8638.75728	8905.08069	7468.2081	6626.60015	5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558
22.695621	23.474883	25.298524	23.33815	18.825568	14.466815	14.27879	18.261854	20.960263	21.551381	21.908248
92071.6591	25029.1102	-13647.764	-3159.7343	-2666.7896	54205.7974	30588.2767	-14146.27	-9802.9527	-11302.505	-6271.9716
92071.6591	25029.1102	-13647.764	-3159.7343	-2666.7896	54205.7974	30588.2767	-14146.27	-9802.9527	-11302.505	-6271.9716
7262.59876	8638.75728	8905.08069	7468.2081	6626.60015	5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558
314833.656	374490.128	386035.248	323746.821	287263.117	220752.025	217882.924	265994.863	305298.817	313908.799	349497.913
-92071.659	-25029.11	13647.7637	3159.73428	2666.78956	-54205.797	-30588.277	14146.2697	9802.95275	11302.5051	6271.97161
-92071.659	-25029.11	13647.7637	3159.73428	2666.78956	-54205.797	-30588.277	14146.2697	9802.95275	11302.5051	6271.97161
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101632.93	104832.485	89861.8106	80295.1043	101272.474	119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981
314833.656	374490.128	386035.248	323746.821	287263.117	220752.025	217882.924	265994.863	305298.817	313908.799	349497.913
314833.656	374490.128	386035.248	323746.821	287263.117	220752.025	217882.924	265994.863	305298.817	313908.799	349497.913
7262.59876	8638.75728	8905.08069	7468.2081	6626.60015	5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558
314833.656	374490.128	386035.248	323746.821	287263.117	220752.025	217882.924	265994.863	305298.817	313908.799	349497.913
314833.656	374490.128	386035.248	323746.821	287263.117	220752.025	217882.924	265994.863	305298.817	313908.799	349497.913
7262.59876	8638.75728	8905.08069	7468.2081	6626.60015	5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558
406905.315	399519.238	372387.484	320587.087	284596.327	274957.822	248471.201	251848.593	295495.864	302606.294	343225.941
92071.6591	25029.1102	-13647.764	-3159.7343	-2666.7896	54205.7974	30588.2767	-14146.27	-9802.9527	-11302.505	-6271.9716
314833.656	374490.128	386035.248	323746.821	287263.117	220752.025	217882.924	265994.863	305298.817	313908.799	349497.913

129567.881	177446.031	168811.918	134445.659	166976.103	158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257
408.650824	626.968467	665.20558	537.209594	589.125938	468.563778	539.202212	453.812436	378.576649	438.605816	488.377707
2529.14075	3463.71327	3295.17701	2624.35407	3259.34225	3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283
138670.072	160675.307	132767.169	106858.594	138620.292	168579.429	173718.322	91544.2073	82154.4898	102046.669	137339.923
2529.14075	3463.71327	3295.17701	2624.35407	3259.34225	3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283
7.903564	9.412264	9.361298	8.201106	9.259495	8.772085	9.566419	7.051104	5.791106	7.222521	8.768812
9102.19132	-16770.724	-36044.749	-27587.065	-28355.811	10392.7583	1207.46831	-29828.437	-17529.446	-22276.615	-27975.333
9102.19132	-16770.724	-36044.749	-27587.065	-28355.811	10392.7583	1207.46831	-29828.437	-17529.446	-22276.615	-27975.333
2529.14075	3463.71327	3295.17701	2624.35407	3259.34225	3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283
129567.881	177446.031	168811.918	134445.659	166976.103	158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257
-9102.1913	16770.7242	36044.7487	27587.0649	28355.8109	-10392.758	-1207.4683	29828.4369	17529.4458	22276.615	27975.3331
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101632.93	104832.485	89861.8106	80295.1043	98144.0455	115373.885	113400.045	90273.2955	80304.2017	88766.7529	125037.981
129567.881	177446.031	168811.918	134445.659	166976.103	158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257
129567.881	177446.031	168811.918	134445.659	166976.103	158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257
2529.14075	3463.71327	3295.17701	2624.35407	3259.34225	3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283
129567.881	177446.031	168811.918	134445.659	166976.103	158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257
129567.881	177446.031	168811.918	134445.659	166976.103	158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257
2529.14075	3463.71327	3295.17701	2624.35407	3259.34225	3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283
138670.072	160675.307	132767.169	106858.594	138620.292	168579.429	173718.322	91544.2073	82154.4898	102046.669	137339.923
9102.19132	-16770.724	-36044.749	-27587.065	-28355.811	10392.7583	1207.46831	-29828.437	-17529.446	-22276.615	-27975.333
129567.881	177446.031	168811.918	134445.659	166976.103	158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257

201442.625	346195.727	341588.111	246002.834	247148.982	180586.246	186855.306	229657.03	314240.196	295624.094	290075.226
637.813473	1221.52494	1343.01415	983.255417	876.775093	543.420188	591.217073	866.12562	1195.80213	1043.37601	859.790889
2199.63557	3780.25472	3729.94224	2686.20697	2698.72224	1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169
123032.557	175003.408	151274.518	104322.899	110657.674	100402.881	99877.4735	93973.8845	143910.791	134848.471	131940.224
2199.63557	3780.25472	3729.94224	2686.20697	2698.72224	1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169
6.873861	10.272431	10.596426	8.394396	7.666824	5.601977	5.79645	7.463453	10.212259	9.607268	8.607205
-78410.068	-171192.32	-190313.59	-141679.94	-136491.31	-80183.365	-86977.832	-135683.15	-170329.4	-160775.62	-158135
-78410.068	-171192.32	-190313.59	-141679.94	-136491.31	-80183.365	-86977.832	-135683.15	-170329.4	-160775.62	-158135
2199.63557	3780.25472	3729.94224	2686.20697	2698.72224	1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169
201442.625	346195.727	341588.111	246002.834	247148.982	180586.246	186855.306	229657.03	314240.196	295624.094	290075.226
78410.0685	171192.318	190313.593	141679.936	136491.308	80183.3653	86977.8323	135683.145	170329.405	160775.623	158135.002
78410.0685	171192.318	190313.593	141679.936	136491.308	80183.3653	86977.8323	135683.145	170329.405	160775.623	158135.002

101632.93	104832.485	89861.8106	80095.6627	101272.474	119511.883	113400.045	90273.2955	88848.8249	95443.9291	125037.981
201442.625	346195.727	341588.111	246002.834	247148.982	180586.246	186855.306	229657.03	314240.196	295624.094	290075.226
201442.625	346195.727	341588.111	246002.834	247148.982	180586.246	186855.306	229657.03	314240.196	295624.094	290075.226
2199.63557	3780.25472	3729.94224	2686.20697	2698.72224	1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169
201442.625	346195.727	341588.111	246002.834	247148.982	180586.246	186855.306	229657.03	314240.196	295624.094	290075.226
201442.625	346195.727	341588.111	246002.834	247148.982	180586.246	186855.306	229657.03	314240.196	295624.094	290075.226
2199.63557	3780.25472	3729.94224	2686.20697	2698.72224	1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169
123032.557	175003.408	151274.518	104322.899	110657.674	100402.881	99877.4735	93973.8845	143910.791	134848.471	131940.224
-78410.068	-171192.32	-190313.59	-141679.94	-136491.31	-80183.365	-86977.832	-135683.15	-170329.4	-160775.62	-158135
201442.625	346195.727	341588.111	246002.834	247148.982	180586.246	186855.306	229657.03	314240.196	295624.094	290075.226
977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77
3089.55611	4562.27069	5122.50922	4178.42496	3554.42828	2364.23963	2534.95511	3378.42329	3956.87531	3756.70086	3468.99497
18454.1598	23572.1053	23848.254	19423.9588	18492.8366	14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569
1030697.11	1090800.35	987395.748	816881.386	787774.118	788102.707	742986.014	661878.348	784746.353	808867.508	918151.436
38.73609	50.196743	13.064873	17.515508	24.588339	39.628412	22.358887	23.331988	25.676179	22.612989	27.83612
0.774721	1.505902	0.261297	1.40124	1.721183	1.188852	0.670766	4.666397	7.446092	2.035169	2.50525
18454.1598	23572.1053	23848.254	19423.9588	18492.8366	14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569
57.669249	64.054634	67.750721	60.699871	52.536467	41.693692	42.337578	49.044508	55.633426	57.565445	58.791187
52988.9514	-202181.2	-315631.61	-228544.42	-216998.72	-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33
52988.9514	-202181.2	-315631.61	-228544.42	-216998.72	-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33
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977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77
-52988.951	202181.204	315631.605	228544.419	216998.717	3739.42836	63744.3195	235829.405	256597.815	255986.47	255355.334
-52988.951	202181.204	315631.605	228544.419	216998.717	3739.42836	63744.3195	235829.405	256597.815	255986.47	255355.334
0.08	0.07	0.06	1.2	0.77	0.12	0.22	2.28	3.63	1.11	1.06
406531.721	419329.94	359447.242	320980.976	401961.466	473909.535	453600.182	361093.182	346850.676	375429.769	500151.924
977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77
977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77
18454.1598	23572.1053	23848.254	19423.9588	18492.8366	14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569
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977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77
18454.1598	23572.1053	23848.254	19423.9588	18492.8366	14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569
1030697.11	1090800.35	987395.748	816881.386	787774.118	788102.707	742986.014	661878.348	784746.353	808867.508	918151.436
52988.9514	-202181.2	-315631.61	-228544.42	-216998.72	-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33

977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77
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538268.074	589629.525	545146.28	396540.552	533443.289	644611.142	600821.762	385014.783	271175.944	439001.918	515799.162
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3.476403	3.362034	3.343988	3.409221	3.315437	3.424715	3.374428	3.353333	3.226539	3.301344	3.371764
802500.927	902823.126	824335.365	573522.807	799267.675	926389.354	877029.471	552016.502	318430.906	670205.602	811693.633
39347.6859	20201.063	9413.76861	17228.6874	30762.9761	93580.4255	66612.2708	30846.7402	51814.0973	21072.6538	36711.3408
113032.837	130032.864	123828.372	104041.717	124493.169	124276.827	124118.95	108204.771	82731.032	109904.302	128352.998
353.227615	353.350173	351.785147	325.130365	353.673775	353.059167	352.610653	322.038008	246.223309	327.096136	348.78532
117472	135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
49263.242	54076.366	49825.062	35303.276	48434.012	59193.416	54953.178	34291.916	24771.546	40178.136	46955.146
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2141406.93	2217935.49	2044989.55	1581387.05	1979366.99	2452799.06	2274520.59	1521494.51	1048161.77	1643401.79	1974597.1
4265179.96	3585167.61	3081064.55	3179054.33	3248409.03	4483765.35	3992243.95	3388306.67	1697607.92	2473801.06	3197633.47
101632.93	104832.485	89861.8106	80295.1043	101272.474	119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981
2123773.03	1367232.12	1036074.99	1597667.28	1269042.04	2030966.29	1717723.36	1866812.15	649446.15	830399.273	1223036.37
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274353.656	331191.247	467306.993	389763.013	244164.647	78087.4553	157944.316	269385.597	40433.7405	168376.91	104459.695
42.231037	35.605783	32.754327	33.693216	33.462791	40.99584	37.686294	32.495811	32.678327	32.63974	33.280039
944478.542	773910.538	494028.004	436874.277	899520.977	1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15
268.1	285.81	239	255.13	289.93	317.61	304.93	289.83	318.88	293.32	343.28

227.829187	201.423349	168.200848	178.63622	238.651846	273.905333	257.861441	234.047515	227.307865	218.398877	260.594318
7.66274	6.132666	5.266594	6.607605	7.369281	8.729325	8.552082	8.349754	9.313829	7.57709	9.96413
36,653	31,687	23,870	30,806	37,829	46,599	45,433	42,607	45,765	38,145	57,419
503989.932	555730.156	769397.953	929391.345	462919.253	122758.485	272890.692	761599.819	60125.6074	272361.184	178681.282
2.413868	3.389261	4.329172	2.111283	2.743154	1.632129	1.712577	1.957981	0.647251	1.93174	0.808428
2,738	4,503	7,681	5,238	3,483	957	1,889	3,105	381	2,056	971
50.460641	45.204475	38.261805	30.850708	41.907148	55.071924	46.297503	28.604624	41.518505	39.067834	41.985334
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64979.5241	73145.3749	65991.894	49488.7811	63443.4856	72912.483	67966.8438	47665.9625	43083.3696	57464.4418	67618.8562
2808118.27	3133636.34	2840214.23	2204991.08	2701486.73	3122910.89	2879030.78	2114233.69	2018301.3	2502558.5	3000433.76
6938671.66	7615542.74	6790093.37	5510557.04	7137466.6	8425405.03	7780425.4	5736624.41	6889517.85	6983945.56	8273265.08
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			0.054545				0.034632	0.090909	0.021645	0.011857
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5.82	5.25	4.58	5.15	5.27	6.33	5.18	5.41	3.56	3.64	5.5
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97259.8454	102223.179	97507.0961	75716.5942	93603.6229	124268.296	112006.781	69198.7346	48373.68	72610.8515	86675.2136
977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77
18454.1598	23572.1053	23848.254	19423.9588	18492.8366	14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569
1030697.11	1090800.35	987395.748	816881.386	787774.118	788102.707	742986.014	661878.348	784746.353	808867.508	918151.436
52988.9514	-202181.2	-315631.61	-228544.42	-216998.72	-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33
977708.16	1292981.55	1303027.35	1045425.8	1004772.84	791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77

2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11
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-3620139.5	-3447751.9	-3964914.7	-3620139.5	-3620139.5	-3792527.1	-3447751.9	-3964914.7	-3620139.5	-3620139.5	-3620139.5
3620139.53	3447751.93	3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53	3620139.53
3620139.53	3447751.93	3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53	3620139.53
3620139.53	3447751.93	3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53	3620139.53
62.209604	57.970854	47.815514	43.488454	44.989684	44.636454	56.293014	51.171194	43.135224	43.400144	43.223534
26.772584	26.772566	26.772584	26.772673	26.772584	26.772548	26.772673	26.772619	26.77253	26.77253	26.772566
62.085216	57.846466	47.691126	43.364066	44.865296	44.512066	56.168626	51.046806	43.010836	43.275756	43.099146
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61.463279	57.224529	47.069189	42.742129	44.243359	43.890129	55.546689	50.424869	42.388899	42.65382	42.477209
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61.90342	57.66467	47.50933	43.18227	44.6835	44.33027	55.98683	50.86501	42.82904	43.09396	42.91735
7.298125	7.34073	6.495934	5.84232	5.460392	5.436175	5.456374	5.45247	5.469621	5.602455	6.546966
46.348678	43.526394	36.685769	33.746602	34.715587	34.478079	42.250813	38.835936	33.480045	33.667728	33.6287
46.348678	43.526394	36.685769	33.746602	34.715587	34.478079	42.250813	38.835936	33.480045	33.667728	33.6287
0.6947	0.41682	0.27788	0.27788	0.416819	0.55576	0.41682	0.41682	0.97258	0.27788	0.27788
0.013464	0.011735	0.001958	0.001763	0.021402	0.003782	0.002361	0.001357	0.01857	0.003512	0.001021
0.012962	0.011	0.001956	0.001666	0.021402	0.003762	0.002361	0.00128	0.01783	0.003306	0.001005
4771.25357	4052.43041	171.452771	365.001142	1848.80055	3132.02124	1983.06991	3010.38065	3564.87475		584.001828
13.966137	12.330084	0.586988	1.281351	6.844305	9.26684	5.313074	7.7859	11.685967		2.043392
98	79.2	16.2	12.6	161.8	29.8	17	10.6	134.8	25	7.6
0.03372	0.031687	0.026059	0.042083	0.031666	0.024715	0.024375	0.029809	0.025535	0.030386	0.034791
1361.612	1100.4048	225.0828	175.0644	2248.0492	414.0412	236.198	147.2764	1872.9112	347.35	105.5944
33588.8601	27145.2828	5552.44421	4318.56772	55455.8934	10213.7554	5826.63899	3633.08078	46201.8198	8568.58675	2604.85037
1.308482	0.785089	0.523393	0.523393	0.785089	1.046786	0.785089	0.785089	1.831875	0.523393	0.523393
2044.05193	1651.92769	337.894299	262.806677	3374.77146	621.558649	354.580437	221.091331	2811.61429	521.44182	158.518313
7305.075	6971.85	8064.225	7241.85	7320.6	7724.25	7024.5	8033.175	7366.95	7330.275	7296.975
21.741294	21.787031	21.913654	21.553125	21.7875	21.943892	21.951562	21.829279	21.925446	21.816294	21.717187
7560	7200	8280	7560	7560	7920	7200	8280	7560	7560	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
98	79.2	16.2	12.6	161.8	29.8	17	10.6	134.8	25	7.6
18.339968	11.141802	7.307012	7.339078	10.95626	14.697901	11.330079	11.148581	25.79034	7.33999	7.428802
18.339968	11.141802	7.307012	7.339078	10.95626	14.697901	11.330079	11.148581	25.79034	7.33999	7.428802
35837.213	28930.4575	5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907	2796.37569
62555.0058	51764.7057	7450.36997	4999.9829	94888.1868	14006.4876	7802.13107	4441.05387	100868.213	10397.0974	3108.28081
26717.7928	22834.2482	1526.16796	378.601503	35797.4514	3107.0865	1563.56114	549.674753	51565.4071	1238.51829	311.905122

62555.0058	51764.7057	7450.36997	4999.9829	94888.1868	14006.4876	7802.13107	4441.05387	100868.213	10397.0974	3108.28081
7.31	6.1	3.21	3.87	10.03	11.34	3.63	4.21	16.03	4.32	2.37
31065.9594	24878.0271	5752.74924	4256.38026	57241.9349	7767.37981	4255.50002	880.99846	45737.9308	9158.57907	2212.37386
53631.3877	43788.18	7231.35774	4606.28307	91403.5616	9994.91004	5344.29051	948.923543	95046.5224	10397.0974	2452.33831
0.989568	0.592201	0.394128	0.4	0.596696	0.755728	0.190626	0.563841	1.309428	0.4	0.4
84.958752	68.097485	15.730267	11.6	156.734808	21.244001	11.628228	2.383047	125.096839	25	6
370.184049	366.838434	365.001142	366.995407	365.001142	383.310237	380.817824	378.213646	373.613113		379.410608
18.509202	7.336768	3.650011	3.669954	7.300022	15.160906	11.424534	3.782136	22.269721		3.794106
98	79.2	16.2	12.6	161.8	29.8	17	10.6	134.8	25	7.6
0.291666	0.2475	0.044021	0.0375	0.481547	0.084659	0.053125	0.028804	0.40119	0.074404	0.022619
26717.7928	22834.2482	1526.16796	378.601503	35797.4514	3107.0865	1563.56114	549.674753	51565.4071	1238.51829	311.905122
26717.7928	22834.2482	1526.16796	378.601503	35797.4514	3107.0865	1563.56114	549.674753	51565.4071	1238.51829	311.905122
13.041247	11.102514	0.469732	1	5.065191	8.555998	5.371771	8.216952	9.70316		1.6
4771.25357	4052.43041	171.452771	365.001142	1848.80055	3132.02124	1983.06991	3010.38065	3564.87475		584.001828
0.64	0.2	0.13	0.32	0.6	0.23	0.12	0.08	0.58	0.54	0.15
-26717.793	-22834.248	-1526.168	-378.6015	-35797.451	-3107.0865	-1563.5611	-549.67475	-51565.407	-1238.5183	-311.90512
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0.13	0.04		0.01		0.1	0.04	0.13	0.06		0.01
1640.8146	1295.482	241.4665	165.8025	2075.0068	490.3323	294.0886	201.766	1867.1917	341.2562	112.1886
0.06	0.02	0.01	0.02	0.03	0.02	0.03	0.02	0.09	0.03	0.02
67.101	22.367	11.1835	22.367	33.5505	22.367	33.5505	22.367	100.6515	33.5505	22.367
35837.213	28930.4575	5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907	2796.37569
35837.213	28930.4575	5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907	2796.37569
35632.912	28797.2105	5890.33851	4581.3744	58830.6649	10835.3141	6181.21943	3854.17211	49013.434	9090.02857	2763.36869
98	79.2	16.2	12.6	161.8	29.8	17	10.6	134.8	25	7.6
67.101	22.367	11.1835	22.367	33.5505	22.367	33.5505	22.367	100.6515	33.5505	22.367
35837.213	28930.4575	5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907	2796.37569
137.2	110.88	22.68	17.64	226.52	41.72	23.8	14.84	188.72	35	10.64
4.426929	4.7095	4.33274	4.05017	2.73151	4.89788	5.93397	4.709499	2.26056	3.86179	3.10827
0.218616	0.196117	0.196823	0.163906	0.170867	0.181245	0.292664	0.244271	0.132501	0.191217	0.159358
0.213005	0.191031	0.1925	0.158958	0.164851	0.176676	0.283562	0.238532	0.125089	0.185327	0.156458
291493.649	243141.854	165872.53	58626.348	94396.8063	160185.608	329705.814	310584.777	81401.1248	91078.3929	149614.349
855.911022	740.011204	553.241991	218.084113	364.333258	502.300582	920.668723	922.26922	281.518633	328.033173	504.194925
4151.06	3545.54	4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66	3049.06

0.027857	0.030531	0.025679	0.028809	0.028988	0.028636	0.034187	0.030625	0.03875	0.032589	0.030267
39098.8341	33395.4413	38700.0337	29177.9898	30259.6678	33974.5214	49571.4435	47954.3896	22961.0731	34018.2255	28719.0961
285737.025	253774.829	251167.575	180691.302	166582.879	194423.884	283540.842	276994.026	129134.183	220187.726	218217.282
3.059027	3.375997	2.81827	2.57672	1.584317	2.891167	3.493111	2.79306	1.343567	2.550255	2.374354
34772.2094	27970.8607	21702.2755	8036.44102	14435.7174	23738.2298	48760.5066	45557.6959	12269.1356	12113.9905	17191.2092
18945.12	17993.34	20795.9	18926.56	18923.08	19831.36	17925.48	20690.34	18732.84	18852.9	18898.14
56.384285	56.229187	56.510597	56.329047	56.31869	56.33909	56.017125	56.22375	55.7525	56.109821	56.244464
19488	18560	21344	19488	19488	20416	18560	21344	19488	19488	19488
58	58	58	58	58	58	58	58	58	58	58
4151.06	3545.54	4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66	3049.06
33.482315	36.72704	31.138252	28.596291	17.811717	32.615002	39.207189	31.283119	15.046169	28.116862	25.650011
33.482315	36.72704	31.138252	28.596291	17.811717	32.615002	39.207189	31.283119	15.046169	28.116862	25.650011
326648.686	288685.582	291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752	248298.506
731600.832	621672.03	495564.593	407076.07	559133.856	450541.45	634935.891	642010.154	587232.75	441560.755	395965.168
404952.146	332986.448	203823.198	195784.972	360861.724	220321.642	299499.79	314885.563	434049.394	185619.004	147666.662
731600.832	621672.03	495564.593	407076.07	559133.856	450541.45	634935.891	642010.154	587232.75	441560.755	395965.168
190.44	206.17	179.09	164.54	96.06	146.16	179.91	154.18	80.72	110.36	95.97
35155.0374	45543.7282	125868.865	152664.75	103875.325	70034.1997	5730.28693	16539.8138	71782.2313	164863.359	98684.1575
79511.7626	91890.0694	211138.645	294798.745	289324.719	133756.586	9911.88577	25288.8854	285017.232	286928.736	154087.11
7.687596	10.618634	15.424799	20.457654	11.549998	13.572674	5.706995	6.841444	8.26316	18.149739	10.672207
459.350757	575.918949	1804.6245	2244.56405	1680.00322	1086.77052	86.095862	254.453093	1135.14571	2325.53721	1223.89712
76.451469	78.693502	71.621396	67.681297	62.696764	65.32989	68.26702	66.510256	64.36284	70.09755	80.157895
35.925525	39.343253	31.50557	27.739871	18.167429	33.930754	43.004655	33.253286	15.443043	28.712234	26.429029
4151.06	3545.54	4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66	3049.06
12.354345	11.079812	11.165	9.219583	9.561369	10.247215	16.446625	13.834891	7.255178	10.748988	9.074583
404952.146	332986.448	203823.198	195784.972	360861.724	220321.642	299499.79	314885.563	434049.394	185619.004	147666.662
404952.146	332986.448	203823.198	195784.972	360861.724	220321.642	299499.79	314885.563	434049.394	185619.004	147666.662
3691.70924	2969.62105	2304.0955	853.215949	1532.61678	2520.24948	5176.82414	4836.78691	1302.59429	1286.12279	1825.16288
291493.649	243141.854	165872.53	58626.348	94396.8063	160185.608	329705.814	310584.777	81401.1248	91078.3929	149614.349
7.28	8.17	16.22	14.88	10.41	11.04	2.07	5.02	5.59	18.79	15.66
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-484463.91	-424876.52	-414961.84	-490583.72	-650186.44	-354078.23	-309411.68	-340174.45	-719066.63	-472547.74	-301753.77
16.16	11.43	6.49	2.16	4.03	11.14	22.83	16.87	3.32	4.25	5.98
24291.6948	19966.0799	20823.91	14097.5055	14213.1094	19233.1983	32678.1532	29608.8925	11668.4254	16864.0219	15405.2168
0.45	0.32	0.6	0.47	0.4	0.87	0.62	0.46	0.31	0.7	0.39

231.273	164.4608	308.364	241.5518	205.576	447.1278	318.6428	236.4124	159.3214	359.758	200.4366
326648.686	288685.582	291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752	248298.506
326648.686	288685.582	291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752	248298.506
285737.025	253774.829	251167.575	180691.302	166582.879	194423.884	283540.842	276994.026	129134.183	220187.726	218217.282
4151.06	3545.54	4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66	3049.06
231.273	164.4608	308.364	241.5518	205.576	447.1278	318.6428	236.4124	159.3214	359.758	200.4366
326648.686	288685.582	291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752	248298.506
40680.388	34746.292	40265.456	30358.244	31483.676	35348.796	51576.616	49894.152	23889.852	35394.268	29880.788
0.12	0.12	0.81		0.02					0.02	
11.073492	11.061322	11.057479	11.126824	11.250601	11.090623	10.945362	11.069937	11.338691	11.129483	11.154673
0.666575	0.65236	0.64333	0.601424	0.564674	0.626526	0.69003	0.644251	0.515978	0.612689	0.60721
0.647695	0.628678	0.620241	0.577973	0.545608	0.603038	0.661708	0.62342	0.496442	0.592735	0.584888
945481.174	875264.534	973538.032	777092.756	782096.897	912881.321	916521.428	998872.264	727367.818	839159.086	850897.471
2806.75616	2710.46364	3363.7109	2973.65594	3069.26753	3104.75143	2640.97914	3063.73006	2674.34813	3121.03224	2932.37222
24156.452	22330.656	25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678	21814.006
0.02991	0.035875	0.038423	0.040714	0.037291	0.037698	0.041843	0.033668	0.039255	0.031994	0.037619
262673.156	243311.565	276285.871	236545.563	224845.117	257612.931	254648.816	277641.369	206607.081	242323.154	239209.246
395374.759	366445.665	414460.472	355914.225	336876.472	387394.61	383050.379	418004.185	310596.522	366181.277	361175.829
3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217
504779.004	467571.835	530938.559	454569.608	432084.862	495054.77	489358.63	533543.419	397036.828	465672.404	459688.408
36180.45	34245.72	39278.46	35777.52	35905.17	37599.03	34033.71	39472.71	35831.91	36102.75	35892.96
107.67991	107.017875	106.734945	106.480714	106.860625	106.815426	106.355343	107.262798	106.642589	107.44866	106.824285
37296	35520	40848	37296	37296	39072	35520	40848	37296	37296	37296
111	111	111	111	111	111	111	111	111	111	111
24156.452	22330.656	25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678	21814.006
40.120022	40.076239	40.136077	40.4359	40.874267	40.257777	39.71768	40.217104	41.114271	40.297414	40.487177
39.764904	39.721746	39.715245	39.944047	40.378388	39.826191	39.327608	39.752096	40.675316	39.948546	40.033767
952107.172	882439.333	1001947.19	859530.204	814945.724	935464.852	924225.452	1008835.31	749080.546	879755.356	869800.969
2020951.69	1734843.45	1557305.28	1255129.68	1417687.53	1381886.93	1654414.78	1704158.79	1367977.74	1295220.24	1268766.89
1068844.51	852404.121	555358.092	395599.474	602741.804	446422.079	730189.33	695323.479	618897.198	415464.882	398965.921
2020951.69	1734843.45	1557305.28	1255129.68	1417687.53	1381886.93	1654414.78	1704158.79	1367977.74	1295220.24	1268766.89
325.95	308.52	353.86	322.32	323.47	338.73	306.61	355.61	322.81	325.25	323.36
86.717627	734.598673	19491.9567	73916.568	25120.5871	13864.4909	74.863455	550.442576	15074.3677	34255.1497	10977.0971
174.691717	1597.85195	38449.5439	164449.398	77792.7947	25976.822	108.347878	737.059925	56606.582	76225.2362	21969.8009

0.525209	3.12832	9.931217	20.522069	8.610827	10.413437	0.483992	3.332817	6.930859	10.742207	6.933711
2.297957	19.02188	513.324296	1936.59617	663.030329	361.66284	1.897132	14.331482	394.394101	891.701966	286.73103
37.843345	36.710463	32.318171	27.080709	21.207224	29.049681	33.712178	31.95892	16.662103	26.863245	30.148916
35.572698	36.709894	32.310476	27.05805	21.200817	29.041743	33.712115	31.95755	16.658596	26.854477	30.145565
24156.452	22330.656	25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678	21814.006
71.894202	69.7833	68.846782	64.155095	60.562547	66.937306	73.449606	69.199673	55.105172	65.793684	64.922636
931545.255	725225.166	410943.467	271957.108	485215.261	311767.8	597084.394	550200.335	510903.676	288802.569	273931.248
931545.255	725225.166	410943.467	271957.108	485215.261	311767.8	597084.394	550200.335	510903.676	288802.569	273931.248
24154.154	22311.6341	24822.2917	19619.5158	19685.9857	23200.2692	23501.9769	25451.1485	18120.9439	21214.976	21527.275
945481.174	875264.534	973538.032	777092.756	782096.897	912881.321	916521.428	998872.264	727367.818	839159.086	850897.471
0.14	0.86	7.58	12.34	3.73	3.44	0.07	0.35	2.42	10.53	5.84
-1068844.5	-852404.12	-555358.09	-395599.47	-602741.8	-446422.08	-730189.33	-695323.48	-618897.2	-415464.88	-398965.92
-1069019.2	-854001.97	-593807.64	-560048.87	-680534.6	-472398.9	-730297.68	-696060.54	-675503.78	-491690.12	-420935.72
247.73	239.63	258.27	224.38	249.26	257.91	210.8	259.46	264.24	234.45	252.22
107339.357	97081.8366	99594.3858	81411.4011	80362.3406	97113.7916	103180.274	113138.725	85790.5734	85160.3764	91079.4294
0.66	0.65	0.9	0.86	0.78	0.88	0.77	0.95	0.67	0.64	0.8
6539.28	6440.2	8917.2	8520.88	7728.24	8719.04	7629.16	9412.6	6638.36	6341.12	7926.4
1089406.43	1009618.29	1146361.81	983172.57	932472.267	1070119.13	1057330.39	1153958.45	857074.067	1006417.67	994835.642
1089406.43	1009618.29	1146361.81	983172.57	932472.267	1070119.13	1057330.39	1153958.45	857074.067	1006417.67	994835.642
900153.762	834017.5	945399.03	810483.833	768961.334	882449.38	872409.009	951547.604	707633.35	831853.681	820864.237
24156.452	22330.656	25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678	21814.006
6539.28	6440.2	8917.2	8520.88	7728.24	8719.04	7629.16	9412.6	6638.36	6341.12	7926.4
1089406.43	1009618.29	1146361.81	983172.57	932472.267	1070119.13	1057330.39	1153958.45	857074.067	1006417.67	994835.642
45414.1298	41981.6333	47630.9581	40525.4906	38256.1501	44296.4322	44187.2831	47875.1024	34808.8354	41560.5546	41010.3313
0.12	0.88	10.76	24.86	7.52	8.39	0.1	0.96	4.7	12.78	6.13
0.75	0.45	0.3	0.3	0.45	0.6	0.6	0.45	1.05	0.3	0.3
0.012385	0.012358	0.001875	0.00134	0.022348	0.003352	0.002287	0.000924	0.019193	0.002261	0.000688
0.012321	0.011593	0.001875	0.001309	0.021577	0.003352	0.002281	0.000923	0.017321	0.002172	0.000684
432.875397	494.448976		47.105373	247.303209	335.326121	270.855896	327.423612	242.119105		75.462532
1.27596	1.494033		0.164195	0.916711	0.969011	0.722749	0.839381	0.766368		0.263561
12.42	11.13	2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19	0.69
0.028869	0.027718	0.024456	0.029791	0.030327	0.03588	0.035968	0.024864	0.030446	0.027619	0.030327
186.3	166.95	31.05	19.8	326.25	53.1	32.85	15.3	261.9	32.85	10.35

4595.73258	4118.39804	765.955429	488.435346	8048.08242	1309.89479	810.358643	377.427313	6460.66754	810.358643	255.318476
1.308482	0.785089	0.523393	0.523393	0.785089	1.046786	1.046786	0.785089	1.831875	0.523393	0.523393
279.67356	250.62534	46.61226	29.72376	489.7665	79.71372	49.31442	22.96836	393.16428	49.31442	15.53742
978.9	933.39	1077	977.97	977.43	1018.11	925.47	1076.55	977.31	980.16	977.43
2.913392	2.916843	2.92663	2.910625	2.909017	2.892357	2.892093	2.925407	2.90866	2.917142	2.909017
1008	960	1104	1008	1008	1056	960	1104	1008	1008	1008
3	3	3	3	3	3	3	3	3	3	3
12.42	11.13	2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19	0.69
19.627238	11.776343	7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895	7.850895
19.627238	11.776343	7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895	7.850895
4875.40614	4369.02338	812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063	270.855896
8516.08234	7460.76512	981.478748	549.890536	13057.092	1746.94111	1033.52479	449.641805	13349.9419	971.128111	295.482408
3640.6762	3091.74175	168.911058	31.731429	4519.24305	357.332601	173.851725	49.246131	6496.11006	111.455048	24.626512
8516.08234	7460.76512	981.478748	549.890536	13057.092	1746.94111	1033.52479	449.641805	13349.9419	971.128111	295.482408
4.14	3.71	0.69	0.44	7.25	1.18	0.73	0.34	5.82	0.73	0.23
4442.53074	3874.5744	812.567689	471.053733	8290.54571	1054.28239	588.817166	72.97206	6611.71271	859.673063	195.393364
7708.26456	6529.24	981.478748	501.8836	12618.7915	1327.82407	714.389027	78.366653	12997.6403	971.128111	215.734491
0.149924	0.089878	0.06	0.06	0.09	0.119774	0.06	0.083973	0.20884	0.06	0.057515
11.317258	9.870401	2.07	1.2	21.12	2.685763	1.5	0.185894	16.843206	2.19	0.49776
392.544777	392.544777				392.544777		392.544777	392.544777		392.544777
3.925447	3.925447				3.925447		3.925447	7.850895		3.925447
12.42	11.13	2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19	0.69
0.036964	0.034781	0.005625	0.003928	0.064732	0.010056	0.006843	0.002771	0.051964	0.006517	0.002053
3640.6762	3091.74175	168.911058	31.731429	4519.24305	357.332601	173.851725	49.246131	6496.11006	111.455048	24.626512
3640.6762	3091.74175	168.911058	31.731429	4519.24305	357.332601	173.851725	49.246131	6496.11006	111.455048	24.626512
1.102741	1.259598		0.12	0.63	0.854236	0.69	0.834105	0.616793		0.192239
432.875397	494.448976		47.105373	247.303209	335.326121	270.855896	327.423612	242.119105		75.462532
	0.38							0.12		
-3640.6762	-3091.7417	-168.91106	-31.731429	-4519.243	-357.3326	-173.85173	-49.246131	-6496.1101	-111.45505	-24.626512
-11348.941	-9620.9817	-1150.3898	-533.61503	-17138.035	-1685.1567	-888.24075	-127.61279	-19493.75	-1082.5832	-240.361
1382.33	1214.8885	206.596	115.3045	1863.2199	392.1204	254.4268	130.5818	1603.8119	200.0641	67.5223
0.39	0.59	0.27	0.14	0.59	0.32	0.26	0.19	0.79	0.14	0.1
4875.40614	4369.02338	812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063	270.855896
4875.40614	4369.02338	812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063	270.855896

4875.40614	4369.02338	812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063	270.855896
12.42	11.13	2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19	0.69
4875.40614	4369.02338	812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063	270.855896
11.739084	11.718135	11.626018	11.74729	12.064896	11.728513	11.477407	11.652532	12.236443	11.812795	11.830858
0.69629	0.691625	0.709138	0.657147	0.575323	0.686434	0.757999	0.706914	0.535618	0.657397	0.656148
0.666333	0.661034	0.678118	0.625415	0.39082	0.656101	0.723897	0.674014	0.462495	0.62727	0.621893
298839.965	282545.492	332110.247	282426.038	178983.46	308887.626	306010.244	330423.506	215144.691	284109.564	281414.14
886.809929	875.168843	1148.74096	1083.03042	702.436422	1056.97775	884.929933	1017.09884	802.056813	1059.11571	971.04445
9627.19	9095.83	10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81	8985.12
0.043363	0.046906	0.042744	0.050744	0.047053	0.042812	0.043312	0.045869	0.049791	0.045505	0.053392
110308.586	104208.073	122626.158	104115.275	66207.9447	114003.282	112874.052	121874.716	79550.6491	104685.284	103688.353
165758.354	156822.528	184133.26	156878.66	99269.0271	171371.796	169698.553	183352.305	119491.552	157902.712	156398.574
2.5991	2.599099	2.5991	2.5991	2.599099	2.5991	2.5991	2.5991	2.599099	2.5991	2.5991
121240.167	114535.093	134778.41	114433.098	72769.152	125301.007	124059.87	133952.501	87434.1184	115059.595	113963.868
13821.49	13114.57	15147.61	13714.85	9803.57	14487.99	13164.02	15098.16	12425.71	13790.53	13676.58
41.135386	40.983031	41.161983	40.818005	29.177291	41.159062	41.137562	41.027608	36.981279	41.043244	40.704107
14448	13760	15824	14448	14448	15136	13760	15824	14448	14448	14448
43	43	43	43	43	43	43	43	43	43	43
9627.19	9095.83	10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81	8985.12
32.299847	32.311192	31.978637	32.653266	33.444444	32.366235	31.588184	32.109118	33.91066	32.498053	32.709049
31.734882	31.6779	31.44745	31.7479	32.592146	31.70791	31.056349	31.507143	33.030461	31.913972	31.955701
303397.746	287005.256	337158.112	289189.197	182708.099	314376.566	310764.059	335814.43	219947.514	288471.312	286903.081
754065.344	683643.761	619013.475	507309.983	375773.419	552005.071	654446.255	667920.139	472617.38	504404.535	503272.666
450667.598	396638.505	281855.363	218120.786	193065.321	237628.504	343682.196	332105.709	252669.867	215933.223	216369.585
754065.344	683643.761	619013.475	507309.983	375773.419	552005.071	654446.255	667920.139	472617.38	504404.535	503272.666
321.43	304.99	352.27	318.95	227.52	336.93	306.14	350.91	288.97	320.71	317.87
30.932007	34.288585	33.691375	28.067381	20.387264	37.703909	29.926115	27.418336	16.080145	27.162946	32.935804
4.639801	5.829059	7.412102	3.929433	9.174269	7.163742	7.481528	7.677134	2.733624	5.704218	9.880741
9627.19	9095.83	10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81	8985.12
28.652351	28.424468	29.159103	26.892857	16.805267	28.212357	31.127593	28.982635	19.887291	26.972648	26.741428

393009.3	342168.946	217758.67	163699.732	158458.428	178038.989	284682.929	268401.794	211088.742	161214.226	162171.683
393009.3	342168.946	217758.67	163699.732	158458.428	178038.989	284682.929	268401.794	211088.742	161214.226	162171.683
9627.19	9095.83	10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81	8985.12
298839.965	282545.492	332110.247	282426.038	178983.46	308887.626	306010.244	330423.506	215144.691	284109.564	281414.14
-450667.6	-396638.51	-281855.36	-218120.79	-193065.32	-237628.5	-343682.2	-332105.71	-252669.87	-215933.22	-216369.59
-450667.6	-396638.51	-281855.36	-218120.79	-193065.32	-237628.5	-343682.2	-332105.71	-252669.87	-215933.22	-216369.59
1.82	2.41	2.04	1.4	7.04	1.91	2.06	2.92	2.11	1.96	3.68
				0.285714				0.095238		
104771.142	94669.0538	98275.2446	79158.4475	54416.1852	95809.5097	102396.843	110434.798	75070.9373	83310.522	88501.6993
0.93	0.91	1.03	1.38	0.76	1.12	0.97	1.1	0.98	0.89	1.12
4557.7812	4459.7644	5047.8652	6763.1592	3724.6384	5488.9408	4753.8148	5390.924	4802.8232	4361.7476	5488.9408
361056.044	341474.816	401254.804	343610.251	217314.991	373966.082	369763.326	399518.344	261528.638	343190.309	341100.982
361056.044	341474.816	401254.804	343610.251	217314.991	373966.082	369763.326	399518.344	261528.638	343190.309	341100.982
286998.521	271357.621	318911.67	271311.758	172038.179	296672.803	293758.423	317304.806	206925.671	272962.308	270362.442
9627.19	9095.83	10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81	8985.12
4557.7812	4459.7644	5047.8652	6763.1592	3724.6384	5488.9408	4753.8148	5390.924	4802.8232	4361.7476	5488.9408
361056.044	341474.816	401254.804	343610.251	217314.991	373966.082	369763.326	399518.344	261528.638	343190.309	341100.982
11841.4437	11187.8709	13198.5765	11114.28	6945.2811	12214.8225	12251.8209	13118.7003	8219.0199	11147.2563	11051.6976
0.75	0.45	0.3	0.3	0.45	0.6	0.6	0.45	1.05	0.3	0.3
0.012395	0.012204	0.001941	0.001309	0.022257	0.003352	0.002281	0.000936	0.019298	0.002213	0.000693
0.011845	0.009875	0.001847	0.001309	0.021726	0.003352	0.002281	0.000923	0.018779	0.002172	0.000684
404.751828	428.627373		47.105373	247.303209	329.737613	256.784205	317.961269	306.184926		50.625632
1.189829	1.281368		0.164195	0.916711	0.950332	0.683298	0.81592	1.00107		0.175393
11.94	9.48	2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19	0.69
0.026994	0.029281	0.025923	0.029613	0.027827	0.0375	0.042031	0.016222	0.02494	0.028005	0.034732
179.1	142.2	30.6	19.8	328.5	53.1	32.85	15.3	283.95	32.85	10.35
4418.11973	3507.85385	754.854626	488.435346	8103.58643	1309.89479	810.358643	377.427313	7004.6069	810.358643	255.318476
1.308482	0.785089	0.523393	0.523393	0.785089	1.046786	1.046786	0.785089	1.831875	0.523393	0.523393
268.86492	213.47064	45.93672	29.72376	493.1442	79.71372	49.31442	22.96836	426.26574	49.31442	15.53742
980.79	931.89	1075.38	978.15	979.95	1016.4	919.65	1086.09	982.86	979.77	972.99
2.919017	2.912156	2.922228	2.91116	2.916517	2.8875	2.873906	2.951331	2.925178	2.915982	2.895803
1008	960	1104	1008	1008	1056	960	1104	1008	1008	1008
3	3	3	3	3	3	3	3	3	3	3

11.94	9.48	2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19	0.69
19.627238	11.776343	7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895	7.850895
19.627238	11.776343	7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895	7.850895
4686.98465	3721.32449	800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063	270.855896
8152.41276	5897.45419	968.724449	549.890536	13118.509	1746.94111	1033.52479	449.641805	14880.0397	971.128111	295.482408
3465.42811	2176.12969	167.933103	31.731429	4521.77841	357.332601	173.851725	49.246131	7449.16705	111.455048	24.626512
8152.41276	5897.45419	968.724449	549.890536	13118.509	1746.94111	1033.52479	449.641805	14880.0397	971.128111	295.482408
3.98	3.16	0.68	0.44	7.3	1.18	0.73	0.34	6.31	0.73	0.23
4282.23282	3292.69712	800.791346	471.053733	8349.42742	1059.8709	602.888857	82.434403	7124.68772	859.673063	220.230264
7411.77423	5125.65845	968.724449	501.8836	12680.2086	1335.31284	730.931833	88.299722	14380.4392	971.128111	241.328763
0.149754	0.089711	0.06	0.06	0.09	0.12	0.067962	0.09	0.21	0.06	0.056551
10.908902	8.38808	2.04	1.2	21.27	2.7	1.535847	0.21	18.15	2.19	0.561032
392.544777	511.255411				461.973926	392.544777				392.544777
3.925447	10.225108				4.619739	7.850895				3.925447
11.94	9.48	2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19	0.69
0.035535	0.029625	0.005543	0.003928	0.065178	0.010056	0.006843	0.002771	0.056339	0.006517	0.002053
3465.42811	2176.12969	167.933103	31.731429	4521.77841	357.332601	173.851725	49.246131	7449.16705	111.455048	24.626512
3465.42811	2176.12969	167.933103	31.731429	4521.77841	357.332601	173.851725	49.246131	7449.16705	111.455048	24.626512
1.031097	1.091919		0.12	0.63	0.84	0.654152	0.81	0.78		0.128967
404.751828	428.627373		47.105373	247.303209	329.737613	256.784205	317.961269	306.184926		50.625632
	0.23			0.2	0.1			0.04		
-3465.4281	-2176.1297	-167.9331	-31.731429	-4521.7784	-357.3326	-173.85173	-49.246131	-7449.167	-111.45505	-24.626512
-10877.202	-7301.7881	-1136.6576	-533.61503	-17201.987	-1692.6454	-904.78356	-137.54585	-21829.606	-1082.5832	-265.95528
	0.06				0.04					
1331.8718	1045.073	203.5635	115.3045	1878.5453	392.1204	254.4268	130.5818	1749.7567	200.0641	67.5223
0.38	0.57	0.26	0.14	0.6	0.32	0.26	0.19	0.84	0.14	0.1
4686.98465	3721.32449	800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063	270.855896
4686.98465	3721.32449	800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063	270.855896
4686.98465	3721.32449	800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063	270.855896
11.94	9.48	2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19	0.69
4686.98465	3721.32449	800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063	270.855896
5.126311	5.705076	5.565201	4.416734	3.290804	5.686177	7.447435	5.450521	2.869139	4.55328	3.418834
0.136711	0.127698	0.121675	0.104744	0.120058	0.10996	0.199491	0.173721	0.101143	0.109497	0.086341
0.133089	0.121481	0.119494	0.100285	0.117815	0.1085	0.194425	0.16938	0.09563	0.108214	0.084232

100279.693	72975.5	39715.0877	12593.3621	21486.6627	54608.099	209141.48	169983.688	28299.4813	20255.6647	29810.6203
290.101783	219.085669	130.419633	46.705672	82.02647	162.45376	570.183789	488.523995	94.358732	72.364568	99.743869
2235.9	1943.7	2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818	1415.1
0.037083	0.032109	0.02879	0.030342	0.029806	0.024744	0.031953	0.028206	0.038244	0.028482	0.028333
32345.1	28080.9	31681.5	24366	28592.5	27545.6	44916.8	45088.6	23352.2	26169.6	20336.7
234205.995	209469.06	203788.044	152793.203	159329.939	159178.628	259277.858	262071.067	131731.186	172922.745	158680.001
2.241697	2.603195	2.32337	1.867375	1.251093	2.245306	2.916962	2.145522	1.117384	2.018778	1.789096
13725.6647	9834.53285	5995.10034	1990.79805	3891.22413	9505.5129	36302.3897	29300.9677	5080.41252	3006.08151	3723.82581
16099.6	15458.5	17861.1	16241.5	16321.6	17175	15529.4	17929.6	16124.8	16335	16321.9
47.915476	48.307812	48.535597	48.337797	48.57619	48.792613	48.529375	48.721739	47.990476	48.616071	48.577083
16800	16000	18400	16800	16800	17600	16000	18400	16800	16800	16800
50	50	50	50	50	50	50	50	50	50	50
2235.9	1943.7	2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818	1415.1
55.506512	69.054237	63.015896	45.649808	33.024856	56.558468	80.55183	61.771894	30.199991	50.695573	48.395284
32.309663	37.357956	33.283156	26.725571	18.00646	32.230482	42.017843	30.879018	16.086047	28.920704	25.605468
234999.143	210086.833	204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838	159078.681
507239.652	408766.744	313377.42	269638.319	440391.135	305196.689	442207.552	456516.514	475980.726	275953.503	227591.684
272240.509	198679.911	108967.673	116316.49	280343.672	145293.172	181833.522	193667.121	343738.32	102458.666	68513.0032
507239.652	408766.744	313377.42	269638.319	440391.135	305196.689	442207.552	456516.514	475980.726	275953.503	227591.684
196.81	245.02	238.74	145.57	130.63	194.63	265.35	242.62	126.01	138.44	117.35
134719.451	137111.333	164694.659	140728.467	138560.8	105295.418	51232.5502	92865.7051	103942.925	153239.173	129268.06
290863.761	265919.794	251204.497	247108.779	381459.413	196125.494	83287.7867	142580.288	374425.341	246029.19	183448.431
6.066169	7.439611	7.854387	6.788129	4.840709	7.507736	6.139515	5.459382	4.278938	6.722163	5.230852
1269.08633	1251.08158	1775.58949	1544.95905	1703.43879	1241.77397	574.42415	1065.87074	1251.39532	1606.51805	1152.57217
106.466596	111.168544	104.862223	103.645849	87.490649	94.903593	102.725175	103.570031	106.049694	100.071207	117.308845
36.17301	42.176844	37.24125	23.8183	19.230694	37.880309	53.385731	39.356508	21.169803	27.78321	28.130528
2235.9	1943.7	2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818	1415.1
6.654464	6.074062	5.974728	5.014285	5.890773	5.425	9.72125	8.469021	4.781547	5.410714	4.211607
272240.509	198679.911	108967.673	116316.49	280343.672	145293.172	181833.522	193667.121	343738.32	102458.666	68513.0032
272240.509	198679.911	108967.673	116316.49	280343.672	145293.172	181833.522	193667.121	343738.32	102458.666	68513.0032
966.813671	692.618423	423.110511	139.840947	275.861213	667.826031	2536.37585	2050.72926	355.204681	211.48195	262.527833
100279.693	72975.5	39715.0877	12593.3621	21486.6627	54608.099	209141.48	169983.688	28299.4813	20255.6647	29810.6203
28.57	25.19	32.54	28.34	25.16	25.08	22.67	34.25	20.79	26.95	20.24
-272240.51	-198679.91	-108967.67	-116316.49	-280343.67	-145293.17	-181833.52	-193667.12	-343738.32	-102458.67	-68513.003
-563104.27	-464599.7	-360172.17	-363425.27	-661803.09	-341418.67	-265121.31	-336247.41	-718163.66	-348487.86	-251961.43

6.41	4.5	2.71	1.06	0.94	5.82	29.42	20.28	3.14	1.76	1.94
27850.9731	23002.0369	22903.5966	16280.03	18396.1954	21061.5477	40647.2948	39022.0349	17045.9147	17192.0921	14278.457
0.39	0.24	0.24	0.23	0.37	0.47	0.56	0.13	0.15	0.34	0.2
306.648	212.193	201.843	165.186	305.784	346.329	458.892	98.766	109.98	237.213	153.54
234999.143	210086.833	204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838	159078.681
234999.143	210086.833	204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838	159078.681
234205.995	209469.06	203788.044	152793.203	159329.939	159178.628	259277.858	262071.067	131731.186	172922.745	158680.001
2235.9	1943.7	2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818	1415.1
306.648	212.193	201.843	165.186	305.784	346.329	458.892	98.766	109.98	237.213	153.54
234999.143	210086.833	204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838	159078.681
486.5	405.58	419.86	363.44	411.74	378.56	637.28	679.56	401.24	334.88	245.14
0.04	0.03	0.12								
0.75	0.45	0.3	0.3	0.45	0.6	0.6	0.45	1.05	0.3	0.3
0.012483	0.012222	0.001875	0.001386	0.022273	0.003142	0.002281	0.000923	0.019211	0.002172	0.000684
0.012321	0.010281	0.001875	0.001309	0.021785	0.002954	0.002281	0.000923	0.018869	0.002172	0.000684
502.350402	417.766598		62.807164	320.961038	363.008142	314.156606	409.622059	346.091277		31.403582
1.484739	1.26855		0.218927	1.190089	1.048304	0.834123	1.050675	1.116543		0.1071
16.56	13.16	2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92	0.92
0.047946	0.033156	0.022934	0.025446	0.028928	0.040085	0.033531	0.039211	0.019821	0.027797	0.029285
248.4	197.4	41.4	26.4	439.2	62.4	43.8	20.4	380.4	43.8	13.8
6127.64344	4869.5524	1021.27391	651.247128	10834.3841	1539.3114	1080.47819	503.236417	9383.87908	1080.47819	340.424635
1.308482	0.785089	0.523393	0.523393	0.785089	1.046786	1.046786	0.785089	1.831875	0.523393	0.523393
372.89808	296.33688	62.14968	39.63168	659.32704	93.67488	65.75256	30.62448	571.05648	65.75256	20.71656
1279.56	1237.56	1438.24	1309.8	1305.12	1351.56	1237.08	1414.28	1317.36	1306.64	1304.64
3.808214	3.867375	3.90826	3.898214	3.884285	3.839659	3.865875	3.843152	3.920714	3.888809	3.882857
1344	1280	1472	1344	1344	1408	1280	1472	1344	1344	1344
4	4	4	4	4	4	4	4	4	4	4
16.56	13.16	2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92	0.92
19.627238	11.776343	7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895	7.850895
19.627238	11.776343	7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895	7.850895
6500.54152	5165.88928	1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075	361.141195
11354.7764	8265.37973	1308.63833	733.187381	17666.8647	2022.70658	1378.03305	599.522406	19978.864	1294.83748	393.976545
4854.23493	3099.49045	225.214744	42.308572	6173.15365	389.7203	231.8023	65.661509	10023.9284	148.60673	32.835349
11354.7764	8265.37973	1308.63833	733.187381	17666.8647	2022.70658	1378.03305	599.522406	19978.864	1294.83748	393.976545

4.14	3.29	0.69	0.44	7.32	1.04	0.73	0.34	6.34	0.73	0.23
5998.19112	4748.12268	1083.42359	628.071644	11172.7501	1269.97813	832.074144	124.238837	9608.84429	1146.23075	329.737613
10461.3195	7473.47354	1308.63833	669.178133	17096.6974	1562.02395	1009.40304	133.106681	19428.468	1294.83748	360.276766
0.19987	0.119434	0.08	0.08	0.119932	0.15972	0.119224	0.119299	0.268156	0.08	0.08
15.280272	12.095747	2.76	1.6	28.462358	3.235243	2.119692	0.316495	24.478339	2.92	0.84
548.687301	540.786684		400.316141	708.063427	473.218782	424.369835	447.241937	466.075055		421.505572
10.973746	10.815733		4.003161	14.161268	9.464375	16.974793	4.472419	23.303752		4.215055
16.56	13.16	2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92	0.92
0.049285	0.041125	0.0075	0.005238	0.087142	0.011818	0.009125	0.003695	0.075476	0.00869	0.002738
4854.23493	3099.49045	225.214744	42.308572	6173.15365	389.7203	231.8023	65.661509	10023.9284	148.60673	32.835349
4854.23493	3099.49045	225.214744	42.308572	6173.15365	389.7203	231.8023	65.661509	10023.9284	148.60673	32.835349
1.279727	1.064252		0.16	0.817641	0.924756	0.800307	1.043504	0.88166		0.08
502.350402	417.766598		62.807164	320.961038	363.008142	314.156606	409.622059	346.091277		31.403582
3.82	3.04	0.68	0.38	7.09	0.81	0.54	0.08	6.12	0.71	0.2
-4854.2349	-3099.4905	-225.21474	-42.308572	-6173.1537	-389.7203	-231.8023	-65.661509	-10023.928	-148.60673	-32.835349
-15315.554	-10572.964	-1533.8531	-711.48671	-23269.851	-1951.7442	-1241.2053	-198.76819	-29452.396	-1443.4442	-393.11212
0.31	0.24		0.04	0.2	0.21	0.18	0.25	0.17		0.02
1382.33	1079.3651	206.596	115.3045	1880.9599	344.0764	254.4268	130.5818	1755.0884	200.0641	67.5223
0.39	0.63	0.27	0.14	0.6	0.3	0.26	0.19	0.82	0.14	0.1
6500.54152	5165.88928	1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075	361.141195
6500.54152	5165.88928	1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075	361.141195
6500.54152	5165.88928	1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075	361.141195
16.56	13.16	2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92	0.92
6500.54152	5165.88928	1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075	361.141195
10.575666	10.550124	10.528275	10.603756	10.829138	10.589725	10.399319	10.56013	10.947118	10.637661	10.680717
0.549081	0.545721	0.5224	0.480051	0.386829	0.509621	0.588231	0.523651	0.362201	0.491676	0.482119
0.518004	0.519166	0.485949	0.451165	0.276929	0.48233	0.55508	0.490796	0.343688	0.464125	0.459659
365531.818	349662.37	376063.803	321422.005	198459.139	358391.892	371946.798	380658.154	249815.655	330736.34	328152.597
1086.36645	1082.24994	1297.83526	1232.98188	779.661809	1218.31407	1067.49259	1165.15765	918.116627	1232.64673	1129.99904
10199.31	9735.408	10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436	9050.51
0.057648	0.049718	0.066304	0.060416	0.06497	0.053267	0.056999	0.066793	0.055982	0.055833	0.054791
104392.614	99806.1193	107666.862	91778.0224	56922.4488	102464.823	106249.167	108679.007	71370.5124	94225.5965	93397.3812
157302.491	150591.402	161328.096	138438.262	84993.3989	154050.252	159996.779	163900.051	107582.346	142833.836	141901.406
3.4341	3.4341	3.4341	3.4341	3.4341	3.4341	3.4341	3.4341	3.434099	3.4341	3.4341

201905.754	193035.015	208238.477	177507.873	110093.708	198177.214	205496.514	210196.068	138037.708	182241.726	180639.875
18554.518	17819.674	20134.96	18500.02	14097.402	19528.45	17683.136	20124.412	18587.334	18590.264	18610.774
55.221779	55.686481	54.714565	55.059583	41.956553	55.478551	55.2598	54.685902	55.319446	55.328166	55.389208
19689.6	18752	21564.8	19689.6	19689.6	20627.2	18752	21564.8	19689.6	19689.6	19689.6
58.6	58.6	58.599999	58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6
10199.31	9735.408	10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436	9050.51
41.468376	41.196576	41.072979	41.366436	44.542598	40.67005	40.106748	41.221454	44.701294	41.635164	42.8035
36.932622	36.84292	36.77577	37.02308	37.81021	36.982159	36.32797	36.877352	38.211184	37.134681	37.280447
391542.825	375228.744	409188.931	350354.884	220921.679	383295.348	398624.754	410893.17	277605.192	356752.4	355497.502
919164.981	846722.073	689369.66	567564.181	427614.512	644812.705	780138.378	774989.588	663273.867	622301.8	602561.233
527622.157	471493.329	280180.729	217209.297	206692.833	261517.356	381513.624	364096.417	385668.675	265549.4	247063.731
919164.981	846722.073	689369.66	567564.181	427614.512	644812.705	780138.378	774989.588	663273.867	622301.8	602561.233
316.63	304.09	343.6	315.7	240.57	333.25	301.76	343.42	317.19	317.24	317.59
			31.759826	8.594034	4.031212				5.053307	
			61.893238	12.434934	3.86525				4.828817	
			0.732044	0.222744	0.099425				0.13	
			0.812633	0.222744	0.099425				0.13	
36.241736	41.682857	34.836723	30.004928	22.374916	30.901694	34.808762	32.25333	17.605053	30.554095	34.940843
25.006797	28.761171	29.262847	23.36894	13.2012	24.720136	26.106571	24.835064	12.851689	20.776785	26.555041
10199.31	9735.408	10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436	9050.51
30.355089	30.42315	28.476635	26.438315	16.228041	28.264556	32.527743	28.760673	20.140172	27.197726	26.936041
473056.137	419324.671	223903.26	169236.925	176939.469	207958.994	325977.184	307289.9	348363.308	216297.681	198244.92
473056.137	419324.671	223903.26	169236.925	176939.469	207958.994	325977.184	307289.9	348363.308	216297.681	198244.92
10199.31	9735.408	10479.402	8882.46137	5452.39926	9949.02457	10408.878	10583.928	6767.098	9138.306	9050.51
365531.818	349662.37	376063.803	321422.005	198459.139	358391.892	371946.798	380658.154	249815.655	330736.34	328152.597
			0.01							
-527622.16	-471493.33	-280180.73	-217209.3	-206692.83	-261517.36	-381513.62	-364096.42	-385668.68	-265549.4	-247063.73
-527622.16	-471493.33	-280180.73	-217271.19	-206705.27	-261521.22	-381513.62	-364096.42	-385668.68	-265554.23	-247063.73
13.67	13.56	17.47	18.39	9.9	16.73	13.89	14.78	18.1	13.29	14.99
				0.238095						
96518.6239	89695.9565	89289.2437	74631.2964	51885.4088	89533.0771	94744.3582	101508.506	78225.955	77652.2159	83334.6415
1.17	1.15	1.49	1.3	1.01	1.12	1.2	1.36	1.25	1.17	1.23
26011.0071	25566.3745	33125.1287	28901.119	22453.9463	24899.4256	26677.956	30235.0168	27789.5375	26011.0071	27344.9049
446108.844	427397.403	465466.4	398327.256	250675.043	436853.711	454161.193	467699.687	314910.559	406004.119	404316.313
446108.844	427397.403	465466.4	398327.256	250675.043	436853.711	454161.193	467699.687	314910.559	406004.119	404316.313

359208.245	343626.417	369566.573	315946.135	195087.107	352227.466	365493.293	374096.118	245620.054	325075.563	322541.281
10199.31	9735.408	10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436	9050.51
26011.0071	25566.3745	33125.1287	28901.119	22453.9463	24899.4256	26677.956	30235.0168	27789.5375	26011.0071	27344.9049
446108.844	427397.403	465466.4	398327.256	250675.043	436853.711	454161.193	467699.687	314910.559	406004.119	404316.313
6323.5722	6035.95296	6497.22924	5507.62988	3380.62564	6168.45688	6453.50436	6562.03536	4195.60076	5665.83032	5611.3162
			0.04	0.01	0.01				0.01	
4.35	5.55	5.55	3.6	3	4.8	7.5	5.1	2.7	3.9	3.15
0.131298	0.118662	0.114952	0.099864	0.115355	0.10307	0.18929	0.168224	0.098205	0.103296	0.0792
0.125505	0.1165	0.112853	0.09747	0.111904	0.100397	0.185562	0.16038	0.096488	0.098214	0.078035
16574.5739	12139.9069	5874.91016	2207.33823	2768.9791	10225.2937	48229.335	34582.9966	5707.06937	3753.99286	4783.70679
47.626551	36.649095	19.059369	8.20381	10.535525	29.962932	129.440721	97.849564	19.272873	13.356496	16.044302
590.38	521.92	581.42	458.5	526.4	494.76	831.32	826.28	453.88	462	367.08
0.024642	0.03075	0.02663	0.029791	0.035684	0.020994	0.028718	0.036277	0.03613	0.039255	0.030238
8855.7	7828.8	8721.3	6877.5	7896	7421.4	12469.8	12394.2	6808.2	6930	5506.2
63802.4825	58929.7622	56162.6355	43184.4399	44008.9847	42960.3361	72053.6072	72260.3706	38309.2986	45944.5937	42955.5346
1.845576	2.445502	2.213997	1.466843	1.085446	1.816578	2.811553	1.945374	1.013836	1.637897	1.537
2315.5825	1610.80691	897.240791	349.940214	499.354524	1785.52167	8353.10989	5959.06259	1036.41935	540.440364	584.373637
4588.08	4342.24	5014.8	4563.86	4536.14	4824.54	4351.34	4965.1	4534.04	4519.34	4561.76
13.655	13.5695	13.627173	13.582916	13.500416	13.706079	13.597937	13.492119	13.494166	13.450416	13.576666
4704	4480	5152	4704	4704	4928	4480	5152	4704	4704	4704
14	14	14	14	14	14	14	14	14	14	14
590.38	521.92	581.42	458.5	526.4	494.76	831.32	826.28	453.88	462	367.08
28.258594	38.443062	33.702028	22.519	16.516236	27.683249	42.696892	29.32274	15.36094	24.840971	23.14003
28.258594	38.443062	33.702028	22.519	16.516236	27.683249	42.696892	29.32274	15.36094	24.840971	23.14003
64054.4825	59076.7622	56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937	43008.0346
136133.952	118411.805	85042.9941	76723.4658	120513.859	81912.2535	121254.063	123961.437	135087.359	72771.2304	60879.701
72079.4692	59335.0426	28743.8586	33465.5259	76263.3739	38752.4174	48937.9554	51596.0666	96725.5609	26616.6368	17871.6664
136133.952	118411.805	85042.9941	76723.4658	120513.859	81912.2535	121254.063	123961.437	135087.359	72771.2304	60879.701
96.87	128.71	133.98	73.59	84.83	101.16	136.46	118.39	73.97	69.63	62.12
47479.9085	46936.8553	50424.2254	41050.6017	41481.5056	32934.5425	24086.7721	37782.374	32654.7292	42400.6008	38224.3279
100402.304	91868.4613	76208.5329	72501.205	113010.631	60951.6146	39736.0737	60058.5083	116972.341	67341.3196	53823.7002
3.877466	4.935421	4.859613	3.333293	2.756021	4.170333	5.247369	4.140321	2.306253	3.603974	2.904603
436.007833	414.532872	521.603947	435.170652	493.109698	375.725222	274.446007	429.00916	384.785376	425.970642	328.121757
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26.938075	35.748199	33.015653	14.486013	14.14362	28.194479	45.921794	30.766357	15.626276	16.106051	23.098377
590.38	521.92	581.42	458.5	526.4	494.76	831.32	826.28	453.88	462	367.08
1.757083	1.631	1.579945	1.364583	1.566666	1.405568	2.597875	2.245326	1.350833	1.375	1.0925
72079.4692	59335.0426	28743.8586	33465.5259	76263.3739	38752.4174	48937.9554	51596.0666	96725.5609	26616.6368	17871.6664
72079.4692	59335.0426	28743.8586	33465.5259	76263.3739	38752.4174	48937.9554	51596.0666	96725.5609	26616.6368	17871.6664
154.372166	107.387127	59.816052	23.329347	33.290301	119.034777	556.873992	397.270839	69.094623	36.029357	38.958242
16574.5739	12139.9069	5874.91016	2207.33823	2768.9791	10225.2937	48229.335	34582.9966	5707.06937	3753.99286	4783.70679
6.82	7.45	11.02	7.09	7.78	6.81	6.01	7.88	3.68	9.44	8.16
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2.19	1.45	0.97	0.29	0.68	1.99	8.72	4.41	0.57	0.52	0.61
14347.6846	12194.6373	12280.1217	8659.11	9662.3003	10961.9032	21556.4274	20117.7	8920.1828	8954.8106	7705.3294
0.24	0.14	0.13	0.07	0.23	0.19	0.25	0.1	0.05	0.2	0.05
252	147	136.5	73.5	241.5	199.5	262.5	105	52.5	210	52.5
64054.4825	59076.7622	56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937	43008.0346
64054.4825	59076.7622	56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937	43008.0346
63802.4825	58929.7622	56162.6355	43184.4399	44008.9847	42960.3361	72053.6072	72260.3706	38309.2986	45944.5937	42955.5346
590.38	521.92	581.42	458.5	526.4	494.76	831.32	826.28	453.88	462	367.08
252	147	136.5	73.5	241.5	199.5	262.5	105	52.5	210	52.5
64054.4825	59076.7622	56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937	43008.0346
0.03	0.01	0.04								

11.184592	11.161257	11.142999	11.210832	11.405063	11.183401	11.05903	11.195765	11.512557	11.230421	11.24628
0.430387	0.418372	0.411311	0.378464	0.339047	0.397563	0.470724	0.428684	0.313401	0.389474	0.376334
0.414276	0.40253	0.395709	0.362667	0.303223	0.383025	0.452047	0.412776	0.297208	0.374815	0.362321
2024312.1	1841122.93	1893346.06	1454889.87	1280856.31	1809339.93	2184379.97	2229170.77	1312195.11	1569093.04	1645414.38
5991.48856	5680.00244	6513.5951	5564.49051	5018.12883	6086.99502	6221.24815	6765.1212	4804.24176	5826.54892	5655.98826
51099.212	47286.024	53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884	44690.776
0.035919	0.034531	0.03243	0.03619	0.035668	0.033734	0.036806	0.034523	0.036103	0.034177	0.035646
559649.402	518237.853	586009.857	493101.414	418065.678	543605.198	581075.777	613830.559	413448.877	508808.709	490997.071
1350911.46	1235674.33	1279134.61	1033846.78	973502.647	1123752.36	1336145.85	1381473.18	905896.062	1117242.67	1082784.54
3.565439	3.570391	3.476278	3.413258	3.486662	3.412293	3.538011	3.473418	3.407536	3.469041	3.472397
830890.413	777554.303	874448.039	746872.466	619964.731	819407.652	819433.976	877989.64	626710.755	763659.549	754502.462
50813.4565	39416.2004	28594.6167	10377.1793	18826.2961	35029.2644	93416.0062	80817.7262	18385.9675	15660.5124	21499.4086
118733.583	113048.734	129887.675	118232.08	110170.062	124556.69	112793.786	129890.417	116881.114	118787.629	118514.149

353.373758	353.277293	352.955638	351.88119	327.887089	353.854232	352.480581	352.963089	347.860458	353.53461	352.720681
123345.6	117472	135092.8	123345.6	123345.6	129219.2	117472	135092.8	123345.6	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51099.212	47286.024	53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884	44690.776
308.357354	304.279181	271.90357	242.112468	232.499411	291.954058	332.303978	282.403044	288.558071	248.976717	244.166543
41.61199	41.545191	40.4564	39.937392	41.567879	39.897795	41.046406	40.673131	40.858829	40.670479	40.664078
2324650.2	2144709.21	2309365.49	1913293.73	1708864.61	2081731.53	2310844.65	2423108.29	1643963.26	2012594.41	1966286
5159734.72	4487448.17	3770382.63	3090274.65	3479844.96	3435878.17	4298644.13	4375496.48	3851246.89	3225846.25	3063130.56
2835084.52	2342738.97	1461017.14	1176980.92	1770980.35	1354146.64	1987799.48	1952388.18	2207283.63	1213251.85	1096844.56
5159734.72	4487448.17	3770382.63	3090274.65	3479844.96	3435878.17	4298644.13	4375496.48	3851246.89	3225846.25	3063130.56
1467.7	1513.76	1606.81	1345.86	1134.98	1465.6	1502.05	1570.36	1244.17	1288.14	1237.32
263230.028	267119.937	368929.238	414218.706	394101.47	233284.194	87403.7529	148898.979	292537.429	406787.491	280111.378
550165.265	514192.729	587491.418	785199.248	995399.252	431034.453	140843.108	229913.438	974874.565	690163.502	416598.721
2.33743	3.132075	4.228957	5.383756	3.06524	4.038778	2.195927	2.37186	2.550416	4.242749	2.869663
2289.20806	2359.00699	4637.7425	6177.70256	4767.39195	3095.89699	953.64692	1766.75992	3350.28889	5282.15787	2999.22086
51.996668	51.430072	45.966157	38.02211	30.69389	44.905855	55.17992	45.744817	29.695083	37.862153	40.837865
51.9819	51.400579	45.758706	37.994524	30.682547	44.844405	55.154712	45.726689	29.66003	37.782169	40.706103
51099.212	47286.024	53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884	44690.776
152.080988	147.768825	145.264885	133.135315	111.313267	140.608596	165.946631	151.530266	109.105166	137.594892	133.008261
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2585560.95	2108921.79	1196228.35	950945.127	1589093.55	1106344.48	1740158.84	1686754.61	2020403.61	982618.817	868793.177
48810.0039	44927.017	48819.7355	38555.7634	32633.8661	46398.329	52149.2751	53996.3781	33309.0471	40949.7261	41691.5551
2024312.1	1841122.93	1893346.06	1454889.87	1280856.31	1809339.93	2184379.97	2229170.77	1312195.11	1569093.04	1645414.38
47.27	45.52	68.17	63.36	54.97	47.51	31.48	47.66	39.34	66.96	50.25
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288.42	273.32	287.95	247.73	272.05	295.85	287.94	319.1	291.71	256.23	279.45
				0.047619				0.008658		
380856.822	341244.41	344024.724	274749.507	236633.272	335331.677	396260.72	414424.169	283697.837	290075.487	300619.529
5.06	5.22	5.2	4.75	5.37	5.61	5.18	4.69	5.95	4.39	4.11
37965.0903	37012.3597	47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962	41189.0893
2574173.78	2378526.38	2574154.28	2139329.52	1890751.41	2329533.69	2558485.29	2688741.87	1830843.27	2243227.44	2194337.39
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2181801.88	2013228.64	2153582.65	1780719.24	1593467.38	1943160.01	2155579.83	2259462.82	1532606.82	1880902.22	1837287
51099.212	47286.024	53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884	44690.776

37965.0903	37012.3597	47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962	41189.0893
2574173.78	2378526.38	2574154.28	2139329.52	1890751.41	2329533.69	2558485.29	2688741.87	1830843.27	2243227.44	2194337.39
104883.234	94468.2091	108034.76	87886.7244	80703.9928	98448.7875	115130.304	118144.39	71703.2681	94137.7893	87809.9131
0.31	1.04	11.73	24.9	7.55	8.4	0.1	0.96	4.7	12.81	6.13

7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
1143213.94	952268.626	837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002	764668.758
3362.59861	2923.74487	2870.14859	1999.82273	1809.16657	3032.8729	4206.67805	4106.62847	1643.82766	2120.09318	2619.56201
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113433.948	103409.228	106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167	97543.9291
1143213.94	952268.626	837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002	764668.758
287.95	272.83	287.09	246.83	272.89	295.4	287.81	318.7	291.61	255.49	278.8
238.212947	234.452186	206.885185	173.085469	184.353397	238.096892	281.289211	266.545882	230.857177	196.471503	210.197636
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7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
8212018.96	6992505.12	5979051.61	4354172.4	4332377.78	5676220.94	7881692.65	7660655.64	4469317.95	4505357.87	5001895.36
113433.948	103409.228	106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167	97543.9291
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6

7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
1143213.94	952268.626	837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002	764668.758
3362.59861	2923.74487	2870.14859	1999.82273	1809.16657	3032.8729	4206.67805	4106.62847	1643.82766	2120.09318	2619.56201
-113433.95	-103409.23	-106624.64	-87659.589	-85755.75	-103998.14	-111092.4	-120674.87	-91936.323	-90439.717	-97543.929
113433.948	103409.228	106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167	97543.9291
1143213.94	952268.626	837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002	764668.758
287.95	272.83	287.09	246.83	272.89	295.4	287.81	318.7	291.61	255.49	278.8

238.212947	234.452186	206.885185	173.085469	184.353397	238.096892	281.289211	266.545882	230.857177	196.471503	210.197636
137.92737	130.600073	104.762421	91.492005	104.824314	120.244637	149.547583	146.637	131.126811	108.675301	116.734644
44013.3978	39310.5882	34411.1557	26354.0569	32602.0899	39161.7437	45525.9873	51207.4075	42238.6691	30837.008	36571.7531
-113433.95	-103409.23	-106624.64	-87659.589	-85755.75	-103998.14	-111092.4	-120674.87	-91936.323	-90439.717	-97543.929
-337.60104	-323.15384	-289.74087	-260.89163	-255.22545	-295.44927	-347.16376	-327.92085	-273.62001	-269.16582	-290.30931
-7068805	-6040236.5	-5141284.9	-3830346.6	-3868997.2	-4753805.1	-6397082.5	-6296339.8	-4010317	-3931290.9	-4237226.6
-62.282596	-58.213833	-48.26231	-43.697911	-45.136984	-45.733779	-57.752592	-52.158466	-43.81291	-43.491294	-43.365164
-7068805	-6040236.5	-5141284.9	-3830346.6	-3868997.2	-4753805.1	-6397082.5	-6296339.8	-4010317	-3931290.9	-4237226.6
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
8212018.96	6992505.12	5979051.61	4354172.4	4332377.78	5676220.94	7881692.65	7660655.64	4469317.95	4505357.87	5001895.36
113433.948	103409.228	106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167	97543.9291
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6

361568.066	357425.079	408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484	343006.522
1073.88439	1109.56142	1418.11174	1547.47217	1463.76943	1083.39963	640.416656	765.306503	1075.31526	1246.03906	1185.73969
6787.46135	6709.68799	7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115	6439.01862
424515.46	387596.849	365803.105	328655.754	312971.028	262377.308	229327.458	235702.179	229665.382	271690.452	276146.327
6787.46135	6709.68799	7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115	6439.01862
20.200777	20.967774	20.859402	22.482447	20.81267	16.771037	12.880812	12.649671	16.238601	18.664378	19.163745
62947.3945	30171.7704	-43111.276	-73751.271	-59549.135	-52097.088	9755.97186	-12273.877	-60984.802	-62378.032	-66860.194
62947.3945	30171.7704	-43111.276	-73751.271	-59549.135	-52097.088	9755.97186	-12273.877	-60984.802	-62378.032	-66860.194
6787.46135	6709.68799	7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115	6439.01862
361568.066	357425.079	408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484	343006.522
-62947.395	-30171.77	43111.2757	73751.2706	59549.1345	52097.0875	-9755.9719	12273.8774	60984.8019	62378.0316	66860.1944
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113433.948	103409.228	106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167	97543.9291
361568.066	357425.079	408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484	343006.522

361568.066	357425.079	408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484	343006.522
6787.46135	6709.68799	7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115	6439.01862
361568.066	357425.079	408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484	343006.522
361568.066	357425.079	408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484	343006.522
6787.46135	6709.68799	7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115	6439.01862
424515.46	387596.849	365803.105	328655.754	312971.028	262377.308	229327.458	235702.179	229665.382	271690.452	276146.327
62947.3945	30171.7704	-43111.276	-73751.271	-59549.135	-52097.088	9755.97186	-12273.877	-60984.802	-62378.032	-66860.194
361568.066	357425.079	408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484	343006.522
341710.903	337861.709	386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971	324120.694
1014.9128	1048.82209	1340.02518	1463.99488	1383.68854	1022.09797	606.246779	724.109735	1015.34136	1176.65012	1120.45325
7625.77334	7539.873	8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654	7233.22237
476976.241	435566.305	410897.91	369543.893	351736.165	294174.799	258231.413	265217.12	257524.292	305112.346	310148.617
	37.063891	38.362101	14.792819	31.302332	40.388459	31.199951	36.632425	8.133495		31.077729
	0.370638	0.767242	0.147928	5.321396	0.807769	2.183996	1.465297	0.162669		0.932331
7625.77334	7539.873	8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654	7233.22237
22.695753	23.562103	23.432115	25.286071	23.388402	18.807987	14.496571	14.228907	18.227182	20.951953	21.527447
135265.337	97704.5958	24500.4491	-11167.253	-403.36431	-2485.8467	50362.1768	30581.3002	-16907.083	-10343.626	-13972.078
135265.337	97704.5958	24500.4491	-11167.253	-403.36431	-2485.8467	50362.1768	30581.3002	-16907.083	-10343.626	-13972.078
7625.77334	7539.873	8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654	7233.22237
341710.903	337861.709	386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971	324120.694
-135265.34	-97704.596	-24500.449	11167.2525	403.364308	2485.8467	-50362.177	-30581.3	16907.0827	10343.6258	13972.0777
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	0.12	0.15	0.01	1.43	0.24	0.48	0.28	0.25		0.17
113433.948	103409.228	106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167	97543.9291
341710.903	337861.709	386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971	324120.694
341710.903	337861.709	386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971	324120.694
7625.77334	7539.873	8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654	7233.22237
341710.903	337861.709	386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971	324120.694
341710.903	337861.709	386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971	324120.694
7625.77334	7539.873	8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654	7233.22237
476976.241	435566.305	410897.91	369543.893	351736.165	294174.799	258231.413	265217.12	257524.292	305112.346	310148.617
135265.337	97704.5958	24500.4491	-11167.253	-403.36431	-2485.8467	50362.1768	30581.3002	-16907.083	-10343.626	-13972.078
341710.903	337861.709	386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971	324120.694

155081.887	135009.726	174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005	123153.966
460.154581	418.447514	604.992466	623.008499	563.069328	572.735812	421.213975	549.535825	440.223356	368.635477	425.471751
3027.16937	2635.36455	3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789	2403.94234
198823.275	154414.418	160161.185	138553.101	124417.977	145138.873	163238.791	176812.928	90655.4882	86416.4397	99206.054
3027.16937	2635.36455	3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789	2403.94234
9.009432	8.235514	9.240043	9.374157	8.324581	9.224952	8.869481	9.499358	6.941689	5.746481	7.15459
43741.3886	19404.6918	-14038.026	-22806.898	-18875.373	-21214.318	17836.0607	-2275.0603	-28833.76	-12499.361	-23947.912
43741.3886	19404.6918	-14038.026	-22806.898	-18875.373	-21214.318	17836.0607	-2275.0603	-28833.76	-12499.361	-23947.912
3027.16937	2635.36455	3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789	2403.94234
155081.887	135009.726	174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005	123153.966
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113433.948	103409.228	104720.063	87659.5888	79137.5751	103998.143	107710.522	120674.872	91936.3232	90439.7167	97543.9291
155081.887	135009.726	174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005	123153.966
155081.887	135009.726	174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005	123153.966
3027.16937	2635.36455	3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789	2403.94234
155081.887	135009.726	174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005	123153.966
155081.887	135009.726	174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005	123153.966
3027.16937	2635.36455	3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789	2403.94234
198823.275	154414.418	160161.185	138553.101	124417.977	145138.873	163238.791	176812.928	90655.4882	86416.4397	99206.054
43741.3886	19404.6918	-14038.026	-22806.898	-18875.373	-21214.318	17836.0607	-2275.0603	-28833.76	-12499.361	-23947.912
155081.887	135009.726	174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005	123153.966

297581.244	214652.295	346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799	300800.554
887.440528	668.120596	1202.77672	1283.68684	1058.8275	866.473788	501.225123	607.364199	862.913421	1196.12014	1039.78751
3170.14216	2286.69751	3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701	3204.43756
206859.943	129041.191	173981.947	156112.981	126034.151	116064.737	94926.4004	99217.4986	90803.2689	150311.622	132478.657
3170.14216	2286.69751	3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701	3204.43756
9.434946	7.145929	10.038412	10.564967	8.54516	7.576904	5.6817	5.663059	7.368142	10.152014	9.537016
-90721.302	-85611.104	-172786.58	-177109.48	-143482.93	-134293.15	-75742.782	-96408.136	-141590.29	-169886.18	-168321.9
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3170.14216	2286.69751	3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701	3204.43756
297581.244	214652.295	346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799	300800.554
90721.3015	85611.1039	172786.581	177109.481	143482.931	134293.153	75742.7823	96408.1364	141590.294	169886.177	168321.897
90721.3015	85611.1039	172786.581	177109.481	143482.931	134293.153	75742.7823	96408.1364	141590.294	169886.177	168321.897

113433.948	99437.5733	106624.642	87659.5888	85564.0588	103424.758	108468.139	120674.872	91109.2928	90439.7167	97383.5953
297581.244	214652.295	346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799	300800.554
297581.244	214652.295	346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799	300800.554
3170.14216	2286.69751	3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701	3204.43756
297581.244	214652.295	346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799	300800.554
297581.244	214652.295	346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799	300800.554
3170.14216	2286.69751	3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701	3204.43756
206859.943	129041.191	173981.947	156112.981	126034.151	116064.737	94926.4004	99217.4986	90803.2689	150311.622	132478.657
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297581.244	214652.295	346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799	300800.554
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
3436.3923	3244.95162	4565.90611	4918.16239	4469.3548	3544.7072	2169.10253	2646.31626	3393.79339	3987.4448	3771.4522
20610.5462	19171.623	23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826	19280.6209
1307174.92	1106618.76	1110844.15	992865.729	915159.321	817755.717	745724.062	776949.725	668648.432	813530.86	817979.655
	37.063891	38.362101	14.792819	31.302332	40.388459	31.199951	36.632425	8.133495		31.077729
	0.370638	0.767242	0.147928	5.321396	0.807769	2.183996	1.465297	0.162669		0.932331
20610.5462	19171.623	23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826	19280.6209
61.340911	59.911322	63.569974	67.707644	61.070814	52.380881	41.928565	42.040996	48.775615	55.514829	57.3828
151232.819	61669.9541	-205435.43	-284834.9	-222310.8	-210090.41	2211.42709	-80375.774	-248315.94	-255107.2	-273102.08
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20610.5462	19171.623	23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826	19280.6209
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
-151232.82	-61669.954	205435.433	284834.902	222310.804	210090.405	-2211.4271	80375.7739	248315.939	255107.195	273102.081
-151232.82	-61669.954	205435.433	284834.902	222310.804	210090.405	-2211.4271	80375.7739	248315.939	255107.195	273102.081
	0.12	0.15	0.01	1.43	0.24	0.48	0.28	0.25		0.17
453735.792	409665.258	424593.988	350638.355	336213.133	415419.187	438363.469	482699.489	366918.262	361758.867	390015.383
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
20610.5462	19171.623	23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826	19280.6209
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
20610.5462	19171.623	23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826	19280.6209
1307174.92	1106618.76	1110844.15	992865.729	915159.321	817755.717	745724.062	776949.725	668648.432	813530.86	817979.655
151232.819	61669.9541	-205435.43	-284834.9	-222310.8	-210090.41	2211.42709	-80375.774	-248315.94	-255107.2	-273102.08

1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
11.184592	11.161257	11.142999	11.210832	11.405063	11.183401	11.05903	11.195765	11.512557	11.230421	11.24628
0.430387	0.418372	0.411311	0.378464	0.339047	0.397563	0.470724	0.428684	0.313401	0.389474	0.376334
0.414276	0.40253	0.395709	0.362667	0.303223	0.383025	0.452047	0.412776	0.297208	0.374815	0.362321
7068805.02	6040236.49	5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87	4237226.6
4323468.14	3838340.37	4047392.37	3256416.34	2881707.05	3759601.87	4412502.77	4450812.13	2688160.39	3211798.1	3501164.87
12790.4795	11848.6989	13949.6498	12482.4756	11296.6502	12664.5751	12597.0287	13518.0659	9841.86281	11934.0869	12047.0025
-41724.19	-36951.581	-29773.413	-20176.354	-27834.698	-36065.847	-44572.34	-49440.648	-38888.38	-25554.85	-33572.532
3620139.53	3447751.93	3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53	3620139.53
0.035919	0.034531	0.03243	0.03619	0.035668	0.033734	0.036806	0.034523	0.036103	0.034177	0.035646
559649.402	518237.853	586009.857	493101.414	418065.678	543605.198	581075.777	613830.559	413448.877	508808.709	490997.071
1350911.46	1235674.33	1279134.61	1033846.78	973502.647	1123752.36	1336145.85	1381473.18	905896.062	1117242.67	1082784.54
3.565439	3.570391	3.476278	3.413258	3.486662	3.412293	3.538011	3.473418	3.407536	3.469041	3.472397
830890.413	777554.303	874448.039	746872.466	619964.731	819407.652	819433.976	877989.64	626710.755	763659.549	754502.462
50813.4565	39416.2004	28594.6167	10377.1793	18826.2961	35029.2644	93416.0062	80817.7262	18385.9675	15660.5124	21499.4086
118733.583	113048.734	129887.675	118232.08	110170.062	124556.69	112793.786	129890.417	116881.114	118787.629	118514.149
353.373758	353.277293	352.955638	351.88119	327.887089	353.854232	352.480581	352.963089	347.860458	353.53461	352.720681
123345.6	117472	135092.8	123345.6	123345.6	129219.2	117472	135092.8	123345.6	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51099.212	47286.024	53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884	44690.776
308.357354	304.279181	271.90357	242.112468	232.499411	291.954058	332.303978	282.403044	288.558071	248.976717	244.166543
41.61199	41.545191	40.4564	39.937392	41.567879	39.897795	41.046406	40.673131	40.858829	40.670479	40.664078
2324650.2	2144709.21	2309365.49	1913293.73	1708864.61	2081731.53	2310844.65	2423108.29	1643963.26	2012594.41	1966286
5159734.72	4487448.17	3770382.63	3090274.65	3479844.96	3435878.17	4298644.13	4375496.48	3851246.89	3225846.25	3063130.56
113433.948	103409.228	106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167	97543.9291
2835084.52	2342738.97	1461017.14	1176980.92	1770980.35	1354146.64	1987799.48	1952388.18	2207283.63	1213251.85	1096844.56
6466909.64	5594066.93	4881226.78	4083140.38	4395004.28	4253633.89	5044368.2	5152446.2	4519895.32	4039377.11	3881110.22
1467.7	1513.76	1606.81	1345.86	1134.98	1465.6	1502.05	1570.36	1244.17	1288.14	1237.32
263230.028	267119.937	368929.238	414218.706	394101.47	233284.194	87403.7529	148898.979	292537.429	406787.491	280111.378
46.348678	43.526394	36.685769	33.746602	34.715587	34.478079	42.250813	38.835936	33.480045	33.667728	33.6287
1143213.94	952268.626	837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002	764668.758
287.95	272.83	287.09	246.83	272.89	295.4	287.81	318.7	291.61	255.49	278.8

238.212947	234.452186	206.885185	173.085469	184.353397	238.096892	281.289211	266.545882	230.857177	196.471503	210.197636
8.62046	8.162504	6.547651	5.71825	6.551519	7.515289	9.346723	9.164812	8.195425	6.792206	7.295915
44,013	39,311	34,411	26,354	32,602	39,162	45,526	51,207	42,239	30,837	36,572
550165.265	514192.729	587491.418	785199.248	995399.252	431034.453	140843.108	229913.438	974874.565	690163.502	416598.721
1.606983	2.153301	2.907408	3.701332	2.107352	2.77666	1.5097	1.630653	1.753411	2.91689	1.972893
2,289	2,359	4,638	6,178	4,767	3,096	954	1,767	3,350	5,282	2,999
51.996668	51.399719	45.948541	38.019518	30.670137	44.856582	54.965267	45.654561	29.688802	37.862153	40.769919
51.9819	51.370227	45.74109	37.991932	30.659044	44.795138	54.940059	45.636433	29.653749	37.782169	40.638168
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-124.17914	-115.47369	-80.906014	-60.048673	-82.841362	-102.45979	-139.28856	-134.34959	-115.73923	-76.056101	-99.91825
-7952150.8	-7317396.7	-8115406.7	-6784375.9	-6122353.9	-7650078.2	-8102464.1	-8654875.7	-5858368.9	-6823918.8	-7261675
-70.09572	-70.757111	-76.1242	-77.398939	-71.395846	-73.576201	-72.983605	-71.786763	-63.695959	-75.450789	-74.446711
-7952150.8	-7317396.7	-8115406.7	-6784375.9	-6122353.9	-7650078.2	-8102464.1	-8654875.7	-5858368.9	-6823918.8	-7261675
69420.5501	64098.6401	72213.486	61305.5319	53153.6597	64836.3993	65566.4161	69467.4648	49697.6541	59602.7087	60972.176
3180254.2	2886071.74	3209625.64	2732590.5	2418326.44	2837186.05	2927892.6	3086496.27	2229159.48	2637731.1	2736496.11
7702627.21	7083579.5	7850617.9	6558340.06	5940467.14	7402276.01	7854823.49	8389242.09	5671488.87	6593285.74	7033623.65
8295675.88	7521655.4	8100893.21	6296966.66	5408448.5	7893657.37	9198590.55	9523644.51	5155615.22	6477189.24	7381693.69
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948026.561	854318.896	875243.354	713047.451	658602.154	854749.007	945716.592	1017798.53	742552.423	742274.071	788178.841
5.06	5.22	5.2	4.75	5.37	5.61	5.18	4.69	5.95	4.39	4.11
37965.0903	37012.3597	47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962	41189.0893
14419060.4	12911463.6	12996633.5	10867516.2	10517358.2	11903712.1	13146832.3	13807321.9	10378264.2	10863295.9	11142785.3
10798920.9	9463711.68	9031718.75	7247376.71	6897218.7	8111184.93	9699080.4	9842407.15	6758124.67	7243156.36	7522645.73
2181801.88	2013228.64	2153582.65	1780719.24	1593467.38	1943160.01	2155579.83	2259462.82	1532606.82	1880902.22	1837287
71709.7582	66457.647	76851.2285	67483.2345	57921.0517	67932.2963	66520.063	71234.2247	53047.943	64884.8666	63971.3969
37965.0903	37012.3597	47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962	41189.0893
10798920.9	9463711.68	9031718.75	7247376.71	6897218.7	8111184.93	9699080.4	9842407.15	6758124.67	7243156.36	7522645.73
104883.234	94468.2091	108034.76	87886.7244	80703.9928	98448.7875	115130.304	118144.39	71703.2681	94137.7893	87809.9131
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74
20610.5462	19171.623	23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826	19280.6209
1307174.92	1106618.76	1110844.15	992865.729	915159.321	817755.717	745724.062	776949.725	668648.432	813530.86	817979.655
151232.819	61669.9541	-205435.43	-284834.9	-222310.8	-210090.41	2211.42709	-80375.774	-248315.94	-255107.2	-273102.08
1155942.1	1044948.81	1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05	1091081.74

2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10
3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66
-3792527.1	-3868377.7	-3516707	-4044213	-3516707	-3868377.7	-3868377.7	-3516707	-4044213	-3516707	-3868377.7
-3792527.1	-3868377.7	-3516707	-4044213	-3516707	-3868377.7	-3868377.7	-3516707	-4044213	-3516707	-3868377.7
3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66
3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66
3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66

44.106604	64.147247	59.775997	49.303237	44.840917	46.389067	46.024797	58.045717	52.763797	44.476647	44.749857
26.772548	20.775786	20.775759	20.775732	20.775719	20.775813	20.775786	20.77584	20.775773	20.775799	20.775746
43.982216	64.021762	59.650512	49.177752	44.715432	46.263582	45.899312	57.920232	52.638312	44.351162	44.624372
44.077899	64.118289	59.747039	49.274279	44.811959	46.360109	45.995839	58.016759	52.734839	44.447689	44.720899
43.360279	63.394333	59.023083	48.550323	44.088003	45.636153	45.271883	57.292803	52.010883	43.723733	43.996943
43.637759	63.674263	59.303013	48.830253	44.367933	45.916083	45.551813	57.572733	52.290813	44.003663	44.276873
44.058763	64.098984	59.727734	49.254974	44.792653	46.340804	45.976533	57.997454	52.715534	44.428384	44.701594
44.097036	64.137594	59.766344	49.293585	44.831264	46.379414	46.015144	58.036064	52.754144	44.466994	44.740205

24.668451	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182
1.5	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
43.80042	63.83836	59.46711	48.99435	44.53203	46.08018	45.71591	57.73683	52.45491	44.16776	44.44097
7.419622	7.550666	7.559984	6.71447	6.020331	5.627752	5.606181	5.618038	5.620596	5.645702	5.78679
34.290133	47.205759	44.292366	37.240065	34.207338	35.206731	34.962085	42.977024	39.455952	33.933279	34.127172
34.290133	47.205759	44.292366	37.240065	34.207338	35.206731	34.962085	42.977024	39.455952	33.933279	34.127172
0.27788	0.41682	0.41682	0.55576	0.27788	0.555759	0.27788	0.416819	0.41682	0.6947	0.41682
0.001352	0.018358	0.011565	0.006392	0.001	0.022626	0.008573	0.007309	0.0081	0.018439	0.002348
0.001313	0.018358	0.011083	0.006304	0.001	0.022626	0.008207	0.007277	0.007584	0.017527	0.002348
479.007893	5578.76227	1740.73089	1541.6935	140.330644	1858.05775	3560.86756	13425.4405	11471.1096	3188.36137	372.304221
1.298932	16.014867	5.48832	5.217808	0.493892	7.069485	9.624015	34.756618	31.640016	10.836751	1.35191
10.4	145.4	79.8	52.2	7.2	179.2	65	52.4	62.8	126.2	18.6
0.028039	0.029914	0.034093	0.029972	0.036812	0.023551	0.027102	0.022812	0.033777	0.034593	0.028011
144.4976	2020.1876	1108.7412	725.2668	100.0368	2489.8048	903.11	728.045599	872.543199	1753.4228	258.4284
3564.53209	50831.5985	27897.9475	18249.0333	2517.10804	62648.0224	22723.8921	18318.953	21954.7757	44119.3104	6502.52911
0.523393	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862	0.800793	0.800793	1.334656	0.800793
216.919797	3093.51327	1697.8154	1110.60105	153.186351	3812.63809	1382.93234	1114.85623	1336.1254	2685.01633	395.731408
7697.925	7683.075	6954.525	8031.825	6934.95	7733.475	7705.35	7035.75	8000.325	6950.925	7698.15
21.869105	21.826917	21.73289	21.825611	21.671718	21.970099	21.890198	21.986718	21.740013	21.72164	21.869744
7920	7920	7200	8280	7200	7920	7920	7200	8280	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
10.4	145.4	79.8	52.2	7.2	179.2	65	52.4	62.8	126.2	18.6
7.463115	11.183686	11.316242	14.926878	7.537748	14.9033	7.447954	11.286168	11.405039	18.720559	11.280279
7.463115	11.183686	11.316242	14.926878	7.537748	14.9033	7.447954	11.286168	11.405039	18.720559	11.280279
3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815	19531.5554	23426.3335	47041.8283	6959.07982
4329.21496	92603.4099	48235.5943	24892.4177	3056.54248	149015.288	66739.4696	32419.2514	32562.2049	163936.286	7591.95888
499.652573	38436.1548	18502.9032	5423.91606	353.137888	82252.7432	42528.2881	12887.696	9135.87143	116894.458	632.879056

4329.21496	92603.4099	48235.5943	24892.4177	3056.54248	149015.288	66739.4696	32419.2514	32562.2049	163936.286	7591.95888
3.34	10.27	6.15	10.88	1.11	13.82	6.67	6.53	7.76	12.66	4.27
3350.55449	48588.4928	27991.9602	17926.8082	2563.07395	64904.4871	20650.3139	6106.11492	11955.2239	43853.4669	6586.7756
3812.51422	83813.1859	45683.3448	22952.7452	2909.71698	143847.102	56110.7841	9389.02483	16373.6711	157743.063	7213.34615
0.352405	0.576365	0.589003	0.789002	0.390039	0.796835	0.366438	0.497493	0.557804	0.957242	0.6
9.118293	130.420465	75.124439	48.059049	6.823075	174.209302	55.435597	16.339596	31.988881	117.697417	17.6
368.456457	376.720558	373.821147	376.028247	375.023029	375.002478	374.408835	380.639339	376.960926	378.109687	378.564465
7.369129	11.229827	3.738211	15.041129	7.50046	15.000099	7.488176	11.41918	7.539218	15.124387	3.785644
10.4	145.4	79.8	52.2	7.2	179.2	65	52.4	62.8	126.2	18.6
0.029545	0.413068	0.249375	0.141847	0.0225	0.50909	0.184659	0.16375	0.170652	0.394375	0.05284
499.652573	38436.1548	18502.9032	5423.91606	353.137888	82252.7432	42528.2881	12887.696	9135.87143	116894.458	632.879056
499.652573	38436.1548	18502.9032	5423.91606	353.137888	82252.7432	42528.2881	12887.696	9135.87143	116894.458	632.879056
1.281706	14.979534	4.67556	4.14095	0.376924	4.990697	9.564402	36.060403	30.811118	8.502582	1
479.007893	5578.76227	1740.73089	1541.6935	140.330644	1858.05775	3560.86756	13425.4405	11471.1096	3188.36137	372.304221
0.18	0.42	0.39	0.52	0.16	0.83	0.15	0.22	0.37	0.28	0.42
-499.65257	-38436.155	-18502.903	-5423.9161	-353.13789	-82252.743	-42528.288	-12887.696	-9135.8714	-116894.46	-632.87906
-4312.1668	-122249.34	-64186.248	-28376.661	-3262.8549	-226099.85	-98639.072	-22276.721	-25509.543	-274637.52	-7846.2252
0.02	0.02	0.02	0.03	0.01	0.01	0.04	0.14	0.17	0.12	0.05
180.4247	2479.5114	1311.2071	786.9151	101.6897	2342.0704	1081.343	998.7909	1098.9375	1789.3855	251.5683
0.03	0.03	0.02	0.03	0.02	0.04	0.01	0.02	0.04	0.05	0.03
33.5505	34.2213	22.8142	34.2213	22.8142	45.6284	11.4071	22.8142	45.6284	57.0355	34.2213
3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815	19531.5554	23426.3335	47041.8283	6959.07982
3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815	19531.5554	23426.3335	47041.8283	6959.07982
3781.45189	53925.1118	29595.7629	19359.6344	2670.29439	66460.6605	24106.8244	19433.8092	23290.9011	46804.3268	6898.26052
10.4	145.4	79.8	52.2	7.2	179.2	65	52.4	62.8	126.2	18.6
33.5505	34.2213	22.8142	34.2213	22.8142	45.6284	11.4071	22.8142	45.6284	57.0355	34.2213
3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815	19531.5554	23426.3335	47041.8283	6959.07982
14.56	207.922	114.114	74.645999	10.296	256.256	92.95	74.932	89.804	180.466	26.598
2.91989	3.955979	4.7095	4.23855	3.95598	1.69542	3.10827	6.21654	5.086259	1.13028	3.86179
0.13624	0.198542	0.199332	0.180263	0.191276	0.115057	0.150967	0.283007	0.230049	0.084572	0.181682
0.131477	0.195426	0.194312	0.175516	0.186281	0.113181	0.147755	0.273093	0.224456	0.079531	0.176392
219070.989	293834.623	253923.333	155575.615	148892.678	77790.4686	142909.524	327002.165	301952.453	52178.42	104006.534
623.970173	856.596052	765.938542	510.509045	553.817531	296.987338	442.553201	888.690871	878.771531	179.862612	371.861722
2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58	5068.62	4790.8	1476.1	3601.22

0.021931	0.022784	0.032625	0.033288	0.029	0.029573	0.029829	0.032531	0.029347	0.037375	0.02946
25282.8566	37580.1146	33969.0584	35285.6462	32565.0622	21764.6717	28413.167	47741.3318	45124.5452	13903.3859	33919.8912
200371.306	281790.31	260310.759	238928.974	201443.851	120039.06	163701.126	279395.604	265854.022	77883.2146	213216.241
2.397673	2.802295	3.374137	2.86869	2.594811	0.995467	1.878191	3.798134	3.136393	0.675081	2.512025
24415.9549	34273.8986	29052.3172	19571.2165	20487.0646	11806.2873	20839.3929	47240.4158	43396.6147	7775.50237	14119.7899
19968.24	19950.84	17954.48	20633.5	18021.76	19812.22	19807	17956.22	20717.6	17866.32	19814.54
56.727954	56.678522	56.10775	56.069293	56.318	56.284715	56.269886	56.113187	56.297826	55.83225	56.291306
20416	20416	18560	21344	18560	20416	20416	18560	21344	18560	20416
58	58	58	58	58	58	58	58	58	58	58
2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58	5068.62	4790.8	1476.1	3601.22
25.742795	30.772861	36.815361	31.643326	28.683625	11.221018	21.037468	42.485551	35.061982	7.566395	27.869933
25.742795	30.772861	36.815361	31.643326	28.683625	11.221018	21.037468	42.485551	35.061982	7.566395	27.869933
226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614	330490.695	314045.1	92717.6054	249558.7
362250.655	790944.992	628015.582	540480.577	427772.361	647073.367	509160.973	647044.088	617943.549	651150.935	441297.769
135368.221	469036.309	331415.009	263858.746	191586.96	503769.84	315084.359	316553.393	303898.449	558433.33	191739.069
362250.655	790944.992	628015.582	540480.577	427772.361	647073.367	509160.973	647044.088	617943.549	651150.935	441297.769
102.04	216.44	201.21	179.04	166.66	74.09	106.7	189.04	172.55	46.67	112.27
7811.44481	28074.0597	42677.2401	121046.215	87292.7234	65513.0577	51167.0895	3488.53026	12092.6471	40539.1854	145552.166
12421.9765	73507.8891	92028.1017	237802.839	158439.541	332040.965	107362.346	5538.63913	22032.2748	248723.647	263309.285
3.647999	6.10058	10.750226	14.495528	18.942103	6.794341	9.458781	4.240484	6.06931	4.820629	16.80139
92.037546	351.015609	522.002454	1668.37559	1282.30148	1057.26557	804.095348	53.181435	183.451588	650.587485	2102.14473
90.414884	77.996394	79.778724	72.91456	71.906445	63.898183	66.284209	71.137427	70.391036	63.701399	69.275843
28.028552	32.7481	39.882547	32.780543	28.043513	11.497291	21.865519	46.948243	38.007854	7.00625	28.352357
2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58	5068.62	4790.8	1476.1	3601.22
7.625681	11.334715	11.270125	10.179945	10.804312	6.564545	8.569829	15.839437	13.018478	4.612812	10.230738
135368.221	469036.309	331415.009	263858.746	191586.96	503769.84	315084.359	316553.393	303898.449	558433.33	191739.069
135368.221	469036.309	331415.009	263858.746	191586.96	503769.84	315084.359	316553.393	303898.449	558433.33	191739.069
2592.20245	3638.80439	3084.43755	2077.84441	2175.07852	1253.45443	2212.48465	5015.43856	4607.34841	825.512514	1499.07527
219070.989	293834.623	253923.333	155575.615	148892.678	77790.4686	142909.524	327002.165	301952.453	52178.42	104006.534
3.03	4.97	6.75	14.76	8.68	6.79	8.55	1.31	4.2	2.26	20.3
-135368.22	-469036.31	-331415.01	-263858.75	-191586.96	-503769.84	-315084.36	-316553.39	-303898.45	-558433.33	-191739.07
-147790.2	-542544.2	-423443.11	-501661.58	-350026.5	-835810.81	-422446.71	-322092.03	-325930.72	-807156.98	-455048.35
18.79	17.2	13.2	6.38	10.02	3.83	7.49	27.42	25.01	0.92	5.06
16242.8018	23543.1563	20526.5413	19248.5822	16037.9857	10372.4259	16319.5063	32311.4662	28459.4239	7157.1077	17036.6368
0.4	0.42	0.43	0.44	0.32	0.3	0.4	0.78	0.54	0.14	0.63

205.576	220.1724	225.4146	230.6568	167.7504	157.266	209.688	408.8916	283.0788	73.3908	330.2586
226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614	330490.695	314045.1	92717.6054	249558.7
226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614	330490.695	314045.1	92717.6054	249558.7
200371.306	281790.31	260310.759	238928.974	201443.851	120039.06	163701.126	279395.604	265854.022	77883.2146	213216.241
2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58	5068.62	4790.8	1476.1	3601.22
205.576	220.1724	225.4146	230.6568	167.7504	157.266	209.688	408.8916	283.0788	73.3908	330.2586
226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614	330490.695	314045.1	92717.6054	249558.7
26305.552	39898.2	36064.4	37462.2	34573.8	23107.2	30165.8	50686.2	47908	14761	36012.2
	0.12	0.17	0.46							0.09
11.119055	11.057184	11.035753	11.11113	11.108911	11.342668	11.198111	10.95474	11.014422	11.466994	11.089793
0.625563	0.661253	0.661945	0.624209	0.614865	0.509845	0.572456	0.691351	0.669543	0.452407	0.625248
0.602631	0.638889	0.637869	0.60325	0.294491	0.492328	0.553191	0.665901	0.643268	0.435032	0.602376
927270.906	997637.112	903805.284	971376.303	391604.247	769068.513	867510.44	941395.24	1050013.53	633814.738	918561.258
2681.45821	2919.37322	2758.55769	3309.36573	1457.13843	2981.8569	2907.97986	2662.89429	3167.71129	2302.90986	3363.06736
23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316	23652.822	26276.244	15452.354	23536.07
0.036278	0.032897	0.036125	0.035489	0.04175	0.033977	0.037784	0.037	0.039646	0.039812	0.035227
257451.379	271627.913	246520.209	269485.444	114449.861	215080.019	238391.17	256243.884	285467.786	175206.164	257498.02
388294.849	423155.602	382993.5	417838.214	177764.887	333821.783	370911.809	399269.378	446412.333	270931.57	401281.797
3.4217	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886
494744.316	526577.871	477904.078	522424.482	221872.5	416954.124	462145.123	496754.393	553407.849	339654.669	499185.662
37654.53	37786.62	34236.84	39398.34	16918.62	37744.44	37595.7	34205.76	39228.51	34105.86	37695.6
106.973096	107.348352	106.990125	107.060706	52.870687	107.228522	106.805965	106.893	106.599211	106.580812	107.089772
39072	39072	35520	40848	35520	39072	39072	35520	40848	35520	39072
111	111	111	111	111	111	111	111	111	111	111
23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316	23652.822	26276.244	15452.354	23536.07
40.380551	40.840309	40.822852	41.146572	41.1793	41.92973	41.518903	40.516666	40.811259	42.438205	40.950114
39.915576	40.485488	40.410302	40.682133	40.6709	41.485257	40.978883	40.125362	40.328297	41.924687	40.59601
936421.035	1005241.37	911978.728	996669.907	424066.789	795289.03	883550.759	949420.929	1060578.69	647126.839	952730.914
1374515.71	2152375.07	1783439.29	1626978.35	633845.463	1455262.89	1426455.44	1714005.09	1752170.03	1325412.95	1401703.68
438094.671	1147133.7	871460.56	630308.444	209778.674	659973.859	542904.683	764584.156	691591.342	678286.109	448972.764
1374515.71	2152375.07	1783439.29	1626978.35	633845.463	1455262.89	1426455.44	1714005.09	1752170.03	1325412.95	1401703.68
339.23	340.42	308.44	354.94	152.36	340.04	338.7	308.16	353.41	307.26	339.6
34.768667	24.756461	593.944071	16198.2034	28116.9628	18641.0173	7045.97901	41.948924	257.044036	6440.02082	27095.4555
55.654477	117.420008	1791.65306	37656.6923	61872.5241	75155.375	14124.6271	62.560274	362.213758	52086.8479	60315.6056

0.591365	0.514629	2.20175	8.418497	16.316481	8.997151	6.847204	0.51474	2.417058	3.059907	11.021139
0.906116	0.633633	15.271734	417.782869	725.913653	479.732802	181.42881	1.086312	6.459961	166.502986	695.843162
35.455843	36.715339	38.179404	31.094517	27.938696	18.858949	26.921592	34.440463	34.246678	11.517004	28.682711
35.455843	34.879572	38.179078	31.088767	27.926693	18.853208	26.916292	34.440345	34.245975	11.515917	28.672726
23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316	23652.822	26276.244	15452.354	23536.07
66.89209	70.916778	70.803468	66.960782	32.688512	54.648471	61.404306	73.915068	71.402836	48.288606	66.863835
303524.835	1005153.79	742604.447	489448.402	149955.731	547551.533	418297.618	630645.478	542377.331	586705.848	314378.549
303524.835	1005153.79	742604.447	489448.402	149955.731	547551.533	418297.618	630645.478	542377.331	586705.848	314378.549
23545.1099	24962.0724	22641.8383	24223.7851	9734.41035	18756.5292	21432.8872	23651.7357	26269.784	15285.851	22840.2268
927270.906	997637.112	903805.284	971376.303	391604.247	769068.513	867510.44	941395.24	1050013.53	633814.738	918561.258
0.04	0.01	0.72	6.42	5.59	2.96	1.47	0.03	0.11	0.95	7.73
-438094.67	-1147133.7	-871460.56	-630308.44	-209778.67	-659973.86	-542904.68	-764584.16	-691591.34	-678286.11	-448972.76
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284.29	265.37	240.25	266.62	104.13	283.95	271.26	215.37	263.73	270.58	249.35
				0.5						
113824.718	113327.869	98472.9904	101247	39480.8157	85497.7038	98778.9725	105364.629	113800.779	82727.6643	90372.3108
0.92	0.75	0.75	0.9	0.43	0.75	0.89	0.79	1.02	0.68	0.7
9115.36	7579.5	7579.5	9095.4	4345.58	7579.5	8994.34	7983.74	10308.12	6872.08	7074.2
1070990.87	1147221.28	1040834.84	1137529.95	483889.732	907711.356	1008157.82	1083359.61	1209792.7	738707.101	1087325.13
1070990.87	1147221.28	1040834.84	1137529.95	483889.732	907711.356	1008157.82	1083359.61	1209792.7	738707.101	1087325.13
883039.165	949733.473	860897.577	940262.696	399637.387	750775.907	833056.932	896023.771	999820.182	610586.239	900467.459
23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316	23652.822	26276.244	15452.354	23536.07
9115.36	7579.5	7579.5	9095.4	4345.58	7579.5	8994.34	7983.74	10308.12	6872.08	7074.2
1070990.87	1147221.28	1040834.84	1137529.95	483889.732	907711.356	1008157.82	1083359.61	1209792.7	738707.101	1087325.13
44266.5101	47928.3955	43501.6512	47311.8106	20083.8221	36933.623	41499.4867	45413.4182	50450.3885	29668.5197	45189.2544
0.06	0.04	0.58	9.19	8.46	7.09	5.2	0.04	0.45	1.63	13.04
0.45	0.45	0.45	0.6	0.3	0.6	0.3	0.6	0.6	0.75	0.3
0.000965	0.019538	0.011723	0.005549	0.000695	0.022829	0.009091	0.007291	0.007663	0.019468	0.001363
0.000965	0.01946	0.011718	0.005489	0.000656	0.021335	0.007897	0.00675	0.007663	0.019468	0.001363
11.776343	518.94234	179.276903	102.446649		228.226183	396.392845	1513.5487	1526.02693	238.805958	
0.035911	1.490477	0.566142	0.328833		0.875797	1.05262	3.919912	4.158865	0.822773	
1.02	20.55	11.25	6.06	0.63	22.53	8.34	6.48	8.46	18.69	1.44
0.033068	0.033465	0.032562	0.02201	0.033281	0.028409	0.037812	0.029875	0.030461	0.026937	0.028295
15.3	308.25	168.75	90.9	9.45	337.95	125.1	97.2	126.9	280.35	21.6

377.427313	7756.13129	4246.05727	2287.20952	237.779207	8503.43737	3147.74379	2445.72899	3193.03507	7054.11648	543.495331
0.785089	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862	1.067724	1.067724	1.334656	0.533862
22.96836	472.023225	258.406874	139.19517	14.470785	517.502834	191.56563	148.84236	194.321969	429.299955	33.07608
1021.08	1020.66	928.74	1079.7	928.05	1026	1016.07	931.32	1070.37	934.14	1026.12
2.900795	2.899602	2.902312	2.933967	2.900156	2.914772	2.886562	2.910375	2.908614	2.919187	2.915113
1056	1056	960	1104	960	1056	1056	960	1104	960	1056
3	3	3	3	3	3	3	3	3	3	3
1.02	20.55	11.25	6.06	0.63	22.53	8.34	6.48	8.46	18.69	1.44
11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936	16.015872	16.015872	20.01984	8.007936
11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936	16.015872	16.015872	20.01984	8.007936
400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942	2594.57135	3387.35704	7483.41644	576.571411
446.275111	13397.0214	7013.49679	3033.08932	285.092759	19340.9956	9092.69271	4173.52489	4604.21838	24880.1402	618.413483
45.879438	5168.86685	2509.03264	606.68463	32.842767	10320.0554	5753.38329	1578.95354	1216.86134	17396.7237	41.842072
446.275111	13397.0214	7013.49679	3033.08932	285.092759	19340.9956	9092.69271	4173.52489	4604.21838	24880.1402	618.413483
0.34	6.85	3.75	2.02	0.21	7.51	2.78	2.16	2.82	6.23	0.48
388.619329	7709.21217	4325.18725	2323.95804	252.249992	8792.71402	2942.91658	1081.02265	1861.33011	7244.61048	576.571411
434.158836	12674.592	6750.35877	2905.36784	285.092759	18763.3449	7957.72193	1692.45532	2501.06189	24379.2503	618.413483
0.06	0.089872	0.089752	0.119613	0.06	0.12	0.06	0.088116	0.088343	0.149897	0.06
0.99	19.253929	10.802251	5.804137	0.63	21.96	7.35	2.699878	4.648713	18.093576	1.44
	400.396813	400.396813	400.396813				400.396813	400.396813	400.396813	
	4.003968	4.003968	4.003968				8.007936	8.007936	4.003968	
1.02	20.55	11.25	6.06	0.63	22.53	8.34	6.48	8.46	18.69	1.44
0.002897	0.05838	0.035156	0.016467	0.001968	0.064005	0.023693	0.02025	0.022989	0.058406	0.00409
45.879438	5168.86685	2509.03264	606.68463	32.842767	10320.0554	5753.38329	1578.95354	1216.86134	17396.7237	41.842072
45.879438	5168.86685	2509.03264	606.68463	32.842767	10320.0554	5753.38329	1578.95354	1216.86134	17396.7237	41.842072
0.03	1.29607	0.447748	0.255862		0.57	0.99	3.780121	3.811286	0.596423	
11.776343	518.94234	179.276903	102.446649		228.226183	396.392845	1513.5487	1526.02693	238.805958	
-45.879438	-5168.8668	-2509.0326	-606.68463	-32.842767	-10320.055	-5753.3833	-1578.9535	-1216.8613	-17396.724	-41.842072
-480.03827	-17843.459	-9259.3914	-3512.0525	-317.93553	-29083.4	-13711.105	-3271.4089	-3717.9232	-41775.974	-660.25556
117.9865	2334.613	1236.0148	612.1668	59.2019	1969.8509	926.8262	823.1899	993.7048	1764.193	128.2996
0.19	0.52	0.7	0.82	0.05	0.74	0.25	0.42	0.5	0.62	0.13
400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942	2594.57135	3387.35704	7483.41644	576.571411
400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942	2594.57135	3387.35704	7483.41644	576.571411

400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942	2594.57135	3387.35704	7483.41644	576.571411
1.02	20.55	11.25	6.06	0.63	22.53	8.34	6.48	8.46	18.69	1.44
400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942	2594.57135	3387.35704	7483.41644	576.571411
11.759161	11.672763	11.656519	11.747659	11.760918	12.155599	11.868224	11.51823	11.554216	12.492621	11.734994
0.674845	0.711794	0.704814	0.678604	0.657506	0.540545	0.634312	0.747658	0.745542	0.450313	0.676402
0.589225	0.681085	0.668232	0.646996	0.622539	0.371505	0.60801	0.711379	0.713628	0.40764	0.646878
277790.044	325452.353	290301.954	324324.843	272373.476	184074.981	294983.902	307069.311	354947.056	189034.09	311197.8
799.823835	951.924586	886.251073	1107.06408	1024.14856	714.539549	990.614457	873.443836	1073.87518	689.212908	1142.917
8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84	9788.58	11292.45	5609.13	9791.15
0.042073	0.045596	0.054	0.048206	0.053281	0.051818	0.041903	0.048343	0.043668	0.049	0.044943
102299.218	117703.852	105032.302	117659.921	98722.1047	66683.2414	106810.274	111017.642	128168.411	68752.4723	112568.781
154383.206	183150.83	163325.338	182160.159	153120.847	103727.882	166042.456	172769.688	199910.326	106429.334	175189.488
2.5991	2.6495	2.6495	2.6495	2.6495	2.649499	2.6495	2.6495	2.6495	2.649499	2.649499
112437.071	129415.385	115483.017	129367.084	108544.954	73318.2239	117437.896	122063.898	140921.168	75593.3433	123769.375
13172.19	14445.85	13016.96	15061.18	13026.85	10418.47	14501.75	13094.79	15132.99	12447.21	14455.74
37.420994	41.039346	40.678	40.927119	40.708906	29.597926	41.198153	40.921218	41.122255	38.897531	41.067443
15136	15136	13760	15824	13760	15136	15136	13760	15824	13760	15136
43	43	43	43	43	43	43	43	43	43	43
8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84	9788.58	11292.45	5609.13	9791.15
32.506866	32.730513	32.857881	32.990441	33.261485	34.43361	33.436022	32.425832	32.424818	35.343901	33.045564
31.775912	32.168655	32.122079	32.380659	32.405577	33.443859	32.682525	31.750005	31.839398	34.349892	32.326205
282837.91	330700.253	295699.794	329122.923	278570.996	188373.261	300531.682	312767.031	360444.856	193682.23	316895.52
497687.654	838617.651	692017.39	647216.815	487048.131	409591.272	550928.481	664335.699	708762.976	478009.794	550552.741
214849.744	507917.398	396317.596	318093.892	208477.135	221218.01	250396.799	351568.668	348318.12	284327.564	233657.22
497687.654	838617.651	692017.39	647216.815	487048.131	409591.272	550928.481	664335.699	708762.976	478009.794	550552.741
306.33	335.95	302.72	350.26	302.95	241.64	337.25	304.53	351.68	289.47	336.18
35.287181	38.309867	29.275159	30.849613	31.844077	18.555981	23.845002	39.941264	34.313768	8.555146	27.92575
5.645949	8.045072	3.80577	7.403907	21.972413	7.051272	4.05365	9.985316	8.578442	1.625477	6.422922
8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84	9788.58	11292.45	5609.13	9791.15
25.336676	29.286676	28.734	27.820869	26.769187	15.974715	26.144431	30.589312	30.686005	17.528531	27.815767

161377.943	446393.595	341417.211	256593.051	156875.091	186362.68	194567.069	293539.747	281324.491	248390.647	174817.519
161377.943	446393.595	341417.211	256593.051	156875.091	186362.68	194567.069	293539.747	281324.491	248390.647	174817.519
8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84	9788.58	11292.45	5609.13	9791.15
277790.044	325452.353	290301.954	324324.843	272373.476	184074.981	294983.902	307069.311	354947.056	189034.09	311197.8
-214849.74	-507917.4	-396317.6	-318093.89	-208477.14	-221218.01	-250396.8	-351568.67	-348318.12	-284327.56	-233657.22
-214849.74	-507917.4	-396317.6	-318093.89	-208477.14	-221218.01	-250396.8	-351568.67	-348318.12	-284327.56	-233657.22
1.23	2.27	1.88	3.24	17.56	6.22	2.31	1.79	2.59	1.97	2.47
0.090909					0.272727				0.049999	
100817.737	110817.781	95016.3643	99103.6573	76680.0803	58769.1534	97686.9389	102823.095	112640.049	75742.6394	88416.1344
1.03	1.05	1.08	0.96	1.24	0.86	1.11	1.14	1.1	0.93	1.14
5047.8652	5247.9	5397.84	4798.08	6197.52	4298.28	5547.78	5697.72	5497.8	4648.14	5697.72
336309.711	392224.056	350600.179	390623.764	330173.04	223228.591	356361.412	370795.953	427438.484	229619.147	375735.222
336309.711	392224.056	350600.179	390623.764	330173.04	223228.591	356361.412	370795.953	427438.484	229619.147	375735.222
266820.277	312566.215	278808.354	311527.243	261665.801	177046.106	283480.352	294833.586	340831.494	182022.678	298958.863
8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84	9788.58	11292.45	5609.13	9791.15
5047.8652	5247.9	5397.84	4798.08	6197.52	4298.28	5547.78	5697.72	5497.8	4648.14	5697.72
336309.711	392224.056	350600.179	390623.764	330173.04	223228.591	356361.412	370795.953	427438.484	229619.147	375735.222
10969.7673	12886.1375	11493.6	12797.6	10707.675	7028.875	11503.55	12235.725	14115.5625	7011.4125	12238.9375
0.45	0.45	0.45	0.6	0.3	0.6	0.3	0.6	0.6	0.75	0.3
0.000982	0.01946	0.011718	0.005579	0.000656	0.022871	0.009119	0.007253	0.007663	0.019468	0.001363
0.000909	0.01946	0.011718	0.00557	0.000656	0.022471	0.009119	0.00725	0.007663	0.019468	0.001363
11.776343	463.174422	168.166661	144.142852		228.226183	378.440776	1583.30526	1439.70369	222.223175	
0.035911	1.328844	0.529206	0.481533		0.875797	1.003885	4.082869	3.918563	0.762482	
0.96	20.55	11.25	6.15	0.63	23.73	9.63	6.96	8.46	18.69	1.44
0.025568	0.026676	0.034687	0.029266	0.020781	0.023437	0.040113	0.036968	0.019429	0.030562	0.024346
14.4	308.25	168.75	92.25	9.45	355.95	144.45	104.4	126.9	280.35	21.6
355.225706	7756.13129	4246.05727	2321.17798	237.779207	8956.35014	3634.62503	2626.8941	3193.03507	7054.11648	543.495331
0.785089	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862	1.067724	1.067724	1.334656	0.533862
21.61728	472.023225	258.406874	141.262425	14.470785	545.066235	221.196285	159.86772	194.321969	429.299955	33.07608
1029	1027.83	926.7	1071.69	940.05	1031.25	1013.64	924.51	1082.55	930.66	1030.29
2.923295	2.919971	2.895937	2.912201	2.937656	2.929687	2.879659	2.889093	2.941711	2.908312	2.92696
1056	1056	960	1104	960	1056	1056	960	1104	960	1056
3	3	3	3	3	3	3	3	3	3	3

0.96	20.55	11.25	6.15	0.63	23.73	9.63	6.96	8.46	18.69	1.44
11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936	16.015872	16.015872	20.01984	8.007936
11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936	16.015872	16.015872	20.01984	8.007936
376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131	2786.76182	3387.35704	7483.41644	576.571411
421.317647	13397.0214	7013.49679	3079.44379	285.092759	21033.3765	10503.7881	4520.44095	4604.21838	24880.1402	618.413483
44.474661	5168.86685	2509.03264	617.003387	32.842767	11531.9601	6647.96681	1733.67913	1216.86134	17396.7237	41.842072
421.317647	13397.0214	7013.49679	3079.44379	285.092759	21033.3765	10503.7881	4520.44095	4604.21838	24880.1402	618.413483
0.32	6.85	3.75	2.05	0.21	7.91	3.21	2.32	2.82	6.23	0.48
365.066643	7764.98009	4336.29749	2318.29755	252.249992	9273.19019	3477.38053	1203.45656	1947.65335	7261.19326	576.571411
409.201371	12749.8632	6766.3649	2900.97008	285.092759	20455.7258	9455.49549	1864.89795	2603.66405	24417.1814	618.413483
0.06	0.089634	0.09	0.12	0.06	0.12	0.059946	0.086378	0.089122	0.149942	0.06
0.93	19.393211	10.83	5.79	0.63	23.16	8.684835	3.005659	4.864307	18.134992	1.44
	400.396813	502.279068			790.899962	400.396813	463.151291	459.167453	400.396813	
	8.007936	5.02279			7.908999	4.003968	9.263025	9.183349	4.003968	
0.96	20.55	11.25	6.15	0.63	23.73	9.63	6.96	8.46	18.69	1.44
0.002727	0.05838	0.035156	0.016711	0.001968	0.067414	0.027357	0.02175	0.022989	0.058406	0.00409
44.474661	5168.86685	2509.03264	617.003387	32.842767	11531.9601	6647.96681	1733.67913	1216.86134	17396.7237	41.842072
44.474661	5168.86685	2509.03264	617.003387	32.842767	11531.9601	6647.96681	1733.67913	1216.86134	17396.7237	41.842072
0.03	1.156788	0.42	0.36		0.57	0.945164	3.95434	3.595692	0.555007	
11.776343	463.174422	168.166661	144.142852		228.226183	378.440776	1583.30526	1439.70369	222.223175	
	0.02	0.08	0.06		0.47		0.22	0.04	0.16	
-44.474661	-5168.8668	-2509.0326	-617.00339	-32.842767	-11531.96	-6647.9668	-1733.6791	-1216.8613	-17396.724	-41.842072
-453.67603	-17918.73	-9275.3975	-3517.9735	-317.93553	-31987.686	-16103.462	-3598.5771	-3820.5254	-41813.905	-660.25556
		0.05			0.01		0.06	0.06		
111.504	2334.613	1236.0148	619.875	59.2019	2069.6194	1069.7036	886.4832	993.7048	1764.193	128.2996
0.17	0.52	0.7	0.82	0.05	0.76	0.28	0.44	0.5	0.62	0.13
376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131	2786.76182	3387.35704	7483.41644	576.571411
376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131	2786.76182	3387.35704	7483.41644	576.571411
376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131	2786.76182	3387.35704	7483.41644	576.571411
0.96	20.55	11.25	6.15	0.63	23.73	9.63	6.96	8.46	18.69	1.44
376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131	2786.76182	3387.35704	7483.41644	576.571411
3.264393	4.557374	5.700987	5.263081	4.561976	2.292054	4.002022	8.421499	5.705596	1.587927	3.988078
0.067498	0.128826	0.128513	0.112219	0.122567	0.080249	0.097483	0.178499	0.137932	0.071464	0.0998
0.065352	0.12525	0.122081	0.109581	0.119593	0.078971	0.096107	0.173418	0.133255	0.067237	0.097863

91039.9692	115219.48	82424.8828	34964.469	71741.3901	19125.2052	51990.807	205686.442	148684.553	17033.212	18685.7244
254.642357	333.381748	245.338465	114.322285	263.953658	72.644214	152.816564	548.338296	420.323326	56.304718	66.805501
1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5	2774.7	2451.9	1075.8	1722.4
0.026477	0.029318	0.033859	0.030828	0.031906	0.024872	0.029034	0.025156	0.033668	0.035921	0.025767
16565.4	31940.4	28220.1	29106.3	27602.3	20136.3	24400.7	40026.3	35319.9	15677.4	24785.6
135407.369	242983.576	214506.829	195509.86	170866.164	110711.722	140457.28	235512.247	208795.63	87803.6714	155654.605
1.774308	2.076703	2.633067	2.296142	1.966348	0.887248	1.594459	3.387129	2.340941	0.614548	1.714423
11253.6412	15110.6593	10950.2846	4970.64904	11520.7498	3483.55166	8924.48722	34803.2006	25140.2938	2966.93289	2992.97471
17155.9	17085.8	15449.7	17813.7	15504.2	17229.6	17118.4	15610.4	17769.4	15302.7	17165.4
48.738352	48.539204	48.280312	48.406793	48.450625	48.947727	48.631818	48.7825	48.286413	47.820937	48.76534
17600	17600	16000	18400	16000	17600	17600	16000	18400	16000	17600
50	50	50	50	50	50	50	50	50	50	50
1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5	2774.7	2451.9	1075.8	1722.4
40.535779	52.667578	68.276706	58.959348	50.065617	25.041861	43.848004	91.586757	63.996581	17.348045	46.125527
25.312426	29.842353	37.758066	32.906359	28.173431	12.801276	23.154703	48.685288	33.472546	8.915069	24.585496
135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681	236620.42	209392.275	88181.4144	156260.861
200729.331	561048.955	426143.542	357869.127	283189.885	509283.638	375210.993	439112.984	398474.193	524962.77	275599.011
64946.935	317198.792	210997.127	161740.555	111735.455	398014.414	234164.312	202492.565	189081.918	436781.356	119338.151
200729.331	561048.955	426143.542	357869.127	283189.885	509283.638	375210.993	439112.984	398474.193	524962.77	275599.011
102.88	191.65	226.81	198.3	152.91	99.25	152.61	281.34	236.47	79.2	127.13
44742.4272	128630.683	132721.533	161164.103	99713.0392	92144.0187	89055.8743	30933.9772	60707.7218	71148.2024	137575.136
66241.9664	302725.934	272385.255	294043.146	164892.857	437008.33	214845.989	51015.8216	109448.817	411735.375	245357.755
2.873912	5.029682	6.812586	7.860598	6.237219	3.408661	4.952646	5.557912	5.347182	2.464866	6.121945
359.056963	1143.04456	1181.67452	1665.7064	1104.81813	1143.97162	1063.10213	346.660086	689.272873	869.474216	1510.85647
124.45689	108.628978	110.082116	105.885121	103.424112	92.843502	98.119596	101.719185	103.18464	113.659025	96.554649
27.371821	34.670846	42.880461	35.953556	31.027233	13.913766	27.457594	59.939817	41.264143	12.502492	26.967596
1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5	2774.7	2451.9	1075.8	1722.4
3.267613	6.2625	6.104062	5.479076	5.979687	3.948579	4.805397	8.670937	6.662771	3.361875	4.893181
64946.935	317198.792	210997.127	161740.555	111735.455	398014.414	234164.312	202492.565	189081.918	436781.356	119338.151
64946.935	317198.792	210997.127	161740.555	111735.455	398014.414	234164.312	202492.565	189081.918	436781.356	119338.151
791.143036	1061.35544	771.62548	350.593603	808.681866	245.928381	628.397871	2428.03991	1762.62713	206.325783	211.543528
91039.9692	115219.48	82424.8828	34964.469	71741.3901	19125.2052	51990.807	205686.442	148684.553	17033.212	18685.7244
11.61	24.89	23.9	29.5	24.23	15.21	20.97	14.83	21.19	12.86	26.29
-64946.935	-317198.79	-210997.13	-161740.55	-111735.46	-398014.41	-234164.31	-202492.56	-189081.92	-436781.36	-119338.15
-131188.9	-619924.73	-483382.38	-455783.7	-276628.31	-835022.74	-449010.3	-253508.39	-298530.74	-848516.73	-364695.91

7.53	7.95	5.22	2.14	7.45	1.23	4	29.55	16.73	1.95	1.44
14209.7502	28002.4122	23325.357	21565.6051	18432.5982	13410.7214	19079.8162	36836.6997	29862.3166	11895.3881	16421.3023
0.21	0.45	0.27	0.23	0.24	0.29	0.32	0.64	0.16	0.11	0.38
159.147	352.359	223.027	200.151	200.592	234.465	246.344	545.468	123.172	84.021	285.936
135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681	236620.42	209392.275	88181.4144	156260.861
135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681	236620.42	209392.275	88181.4144	156260.861
135407.369	242983.576	214506.829	195509.86	170866.164	110711.722	140457.28	235512.247	208795.63	87803.6714	155654.605
1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5	2774.7	2451.9	1075.8	1722.4
159.147	352.359	223.027	200.151	200.592	234.465	246.344	545.468	123.172	84.021	285.936
135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681	236620.42	209392.275	88181.4144	156260.861
215.88	514.228	416.559	418.561	387.673	323.037	343.057	562.705	473.473	293.722	320.32
	0.01		0.01							
0.45	0.45	0.45	0.6	0.3	0.6	0.3	0.6	0.6	0.75	0.3
0.000965	0.019548	0.011911	0.005804	0.000711	0.023167	0.00913	0.007256	0.007792	0.019486	0.001363
0.000965	0.019403	0.011312	0.005489	0.000656	0.021704	0.009119	0.006375	0.007391	0.018968	0.001363
15.701791	529.738727	133.784619	192.19047		288.285705	495.090367	1864.99734	1679.63253	273.369771	
0.047881	1.516765	0.419524	0.642044		1.105938	1.312413	4.771336	4.557924	0.932498	
1.36	27.32	14.48	8.08	0.84	30.56	12.84	8.16	10.88	24.28	1.92
0.022329	0.037244	0.024437	0.030815	0.017187	0.03213	0.036335	0.035406	0.034021	0.028312	0.02321
20.4	409.8	217.2	121.2	12.6	458.4	192.6	122.4	163.2	364.2	28.8
503.236417	10311.3142	5465.1475	3049.61269	317.038943	11534.1787	4846.1667	3079.80688	4106.40917	9163.93516	724.660441
0.785089	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862	1.067724	1.067724	1.334656	0.533862
30.62448	627.52674	332.59836	185.59356	19.29438	701.94792	294.92838	187.43112	249.90816	557.69946	44.10144
1376.56	1355.56	1248.72	1426.64	1258	1362.76	1356.84	1234.68	1421.92	1243.76	1375.32
3.910681	3.851022	3.90225	3.876739	3.93125	3.871477	3.854659	3.858375	3.863913	3.88675	3.907159
1408	1408	1280	1472	1280	1408	1408	1280	1472	1280	1408
4	4	4	4	4	4	4	4	4	4	4
1.36	27.32	14.48	8.08	0.84	30.56	12.84	8.16	10.88	24.28	1.92
11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936	16.015872	16.015872	20.01984	8.007936
11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936	16.015872	16.015872	20.01984	8.007936
533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508	3267.238	4356.31733	9721.63462	768.761881
595.033482	17829.6544	9091.2025	4050.66773	380.123679	26337.8522	14005.0508	5261.50951	5930.75818	32312.4057	824.551311
61.172584	6890.8135	3293.45665	815.461474	43.790356	14101.7256	8863.95575	1994.27151	1574.44085	22590.7711	55.78943
595.033482	17829.6544	9091.2025	4050.66773	380.123679	26337.8522	14005.0508	5261.50951	5930.75818	32312.4057	824.551311

0.34	6.83	3.62	2.02	0.21	7.64	3.21	2.04	2.72	6.07	0.48
518.159106	10409.1022	5663.96124	3043.01578	336.333323	11947.8409	4646.00471	1402.24066	2676.6848	9448.26485	768.761881
578.878448	17095.2316	8877.83313	3812.70278	380.123679	25599.2769	12656.6483	2084.72972	3583.29386	31735.092	824.551311
0.08	0.119852	0.119943	0.16	0.08	0.16	0.079871	0.123894	0.116369	0.199836	0.08
1.32	25.996965	14.145869	7.6	0.84	29.84	11.6035	3.502127	6.68508	23.597252	1.92
404.1342	559.589986	588.819725	492.449014		1026.05969	740.943253	507.841117	501.171992	609.824419	
4.041342	11.191799	11.776394	9.84898		20.521193	14.818865	20.313644	15.035159	18.294732	
1.36	27.32	14.48	8.08	0.84	30.56	12.84	8.16	10.88	24.28	1.92
0.003863	0.077613	0.04525	0.021956	0.002625	0.086818	0.036477	0.0255	0.029565	0.075875	0.005454
61.172584	6890.8135	3293.45665	815.461474	43.790356	14101.7256	8863.95575	1994.27151	1574.44085	22590.7711	55.78943
61.172584	6890.8135	3293.45665	815.461474	43.790356	14101.7256	8863.95575	1994.27151	1574.44085	22590.7711	55.78943
0.04	1.323034	0.33413	0.48		0.72	1.236499	4.657872	4.194919	0.682747	
15.701791	529.738727	133.784619	192.19047		288.285705	495.090367	1864.99734	1679.63253	273.369771	
0.32	6.49	3.53	1.88	0.19	7.46	2.91	0.94	1.71	5.89	0.46
-61.172584	-6890.8135	-3293.4566	-815.46147	-43.790356	-14101.726	-8863.9557	-1994.2715	-1574.4409	-22590.771	-55.78943
-640.05103	-23986.045	-12171.29	-4628.1643	-423.91404	-39701.003	-21520.604	-4079.0012	-5157.7347	-54325.863	-880.34074
0.01	0.32	0.08	0.12		0.18	0.3	1.09	0.98	0.15	
117.9865	2327.4224	1195.2051	608.9866	59.2019	1997.3444	1069.7036	784.8058	959.5481	1719.869	128.2996
0.19	0.51	0.66	0.81	0.05	0.76	0.28	0.41	0.48	0.61	0.13
533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508	3267.238	4356.31733	9721.63462	768.761881
533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508	3267.238	4356.31733	9721.63462	768.761881
533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508	3267.238	4356.31733	9721.63462	768.761881
1.36	27.32	14.48	8.08	0.84	30.56	12.84	8.16	10.88	24.28	1.92
533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508	3267.238	4356.31733	9721.63462	768.761881
10.625824	10.534504	10.512283	10.606347	10.608306	10.925793	10.723706	10.420579	10.486412	11.121322	10.581814
0.509348	0.551072	0.561724	0.50401	0.487388	0.334462	0.445795	0.578256	0.553933	0.285198	0.495443
0.487798	0.522693	0.537559	0.475529	0.459287	0.227607	0.423863	0.544698	0.520822	0.271178	0.467215
362743.143	394351.581	368757.718	375948.626	316807.45	177060.508	324681.706	372791.524	411776.795	195522.939	354987.93
1048.18331	1154.50198	1125.1788	1279.62562	1189.6264	686.801477	1085.53817	1051.68762	1235.83263	711.198387	1301.17714
10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124	10214.18	11231.424	5085.134	9637.348
0.046704	0.052329	0.048937	0.060461	0.061843	0.069261	0.051107	0.061312	0.059429	0.054281	0.058465
103456.061	110355.895	103152.72	105516.211	88786.6199	49629.7271	90891.0333	104283.915	114951.271	54913.4274	99267.5576
156410.39	172124.868	161034.731	163502.385	138062.864	77220.5352	141739.522	162775.673	180295.763	85122.2834	155132.954
3.4341	3.5012	3.5012	3.5012	3.5012	3.5012	3.5012	3.5012	3.5012	3.501199	3.5012

200094.368	215326.423	201271.587	205883.23	173240.453	96837.5235	177346.584	203478.776	224292.921	107147.08	193690.858
19663.816	19547.788	17834.324	20260.95	17592.306	14022.394	19572.986	17602.268	20283.218	17734.118	19421.212
55.863113	55.533488	55.732262	55.056929	54.975956	39.836346	55.605073	55.007087	55.11744	55.419118	55.173897
20627.2	20627.2	18752	21564.8	18752	20627.2	20627.2	18752	21564.8	18752	20627.2
58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6	58.599999	58.6	58.6
10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124	10214.18	11231.424	5085.134	9637.348
42.570768	42.052253	41.3409	42.898343	43.091649	46.187691	42.648019	41.772331	41.727518	47.791773	42.113985
37.096701	37.51482	37.435063	37.776547	37.777222	38.885154	38.176077	37.11081	37.335183	39.578675	37.67517
392755.844	424964.545	393021.327	407241.878	344480.398	199965.83	348491.789	401817.15	443296.811	224549.474	385151.154
654862.376	1005637.92	888839.025	753797.731	590289.224	488686.457	674121.903	783130.368	807442.341	623957.062	640591.139
262106.532	580673.371	495817.698	346555.852	245808.825	288720.627	325630.114	381313.218	364145.53	399407.587	255439.985
654862.376	1005637.92	888839.025	753797.731	590289.224	488686.457	674121.903	783130.368	807442.341	623957.062	640591.139
335.56	333.58	304.34	345.75	300.21	239.29	334.01	300.38	346.13	302.63	331.42
				7.898815	2.288955				0.909697	3.784339
				10.443376	2.079635				1.073513	3.460605
				0.197734	0.056252				0.022404	0.095362
				0.197734	0.056252				0.022404	0.095362
35.22432	36.233825	43.01066	35.763196	31.490159	21.602774	26.626762	35.865442	34.722019	9.573506	32.729931
30.645158	26.088354	29.677355	26.464765	31.175258	14.004206	20.502606	28.692354	29.513716	6.701454	26.460538
10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124	10214.18	11231.424	5085.134	9637.348
28.584977	30.629835	31.500975	27.866043	26.914218	13.337795	24.83842	31.919312	30.520173	15.891043	27.378829
208030.049	522990.344	441899.772	291402.529	199400.059	262779.168	278121.371	326804.016	304060.501	370704.339	203552.833
208030.049	522990.344	441899.772	291402.529	199400.059	262779.168	278121.371	326804.016	304060.501	370704.339	203552.833
10061.912	10781.702	10080.312	10254.704	8612.35227	4694.84775	8743.124	10214.18	11231.424	5085.1116	9637.25264
362743.143	394351.581	368757.718	375948.626	316807.45	177060.508	324681.706	372791.524	411776.795	195522.939	354987.93
-262106.53	-580673.37	-495817.7	-346555.85	-245808.83	-288720.63	-325630.11	-381313.22	-364145.53	-399407.59	-255439.99
-262106.53	-580673.37	-495817.7	-346555.85	-245819.27	-288722.71	-325630.11	-381313.22	-364145.53	-399408.66	-255443.45
18.35	14.57	13.17	16.53	121.54	9.97	18.5	12.66	17.03	17.88	15.39
					0.272727					
104654.583	102909.208	91288.2329	91287.2336	71781.6528	52402.1432	91780.6221	94647.07	103421.065	75964.4299	81873.3421
1.35	1.35	1.07	1.38	1.22	1.01	1.05	1.28	1.39	1.28	1.33
30012.7005	30612.9645	24263.6089	31293.2526	27665.0494	22903.0327	23810.0835	29025.6256	31520.0153	29025.6256	30159.4391
446832.327	482647.572	446939.253	462395.202	390889.164	225907.288	396000.532	456326.352	503381.84	253252.723	437038.306
446832.327	482647.572	446939.253	462395.202	390889.164	225907.288	396000.532	456326.352	503381.84	253252.723	437038.306

356504.758	387451.292	362306.318	369385.615	311303.317	174058.059	319086.106	366254.449	404588.684	192269.363	348823.812
10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124	10214.18	11231.424	5085.134	9637.348
30012.7005	30612.9645	24263.6089	31293.2526	27665.0494	22903.0327	23810.0835	29025.6256	31520.0153	29025.6256	30159.4391
446832.327	482647.572	446939.253	462395.202	390889.164	225907.288	396000.532	456326.352	503381.84	253252.723	437038.306
6238.38544	6900.28928	6451.39968	6563.01056	5512.032	3004.73856	5595.59936	6537.0752	7188.11136	3254.48576	6167.90272
				0.01	0.01				0.01	0.02
2.7	4.2	5.85	4.8	4.05	2.1	3.6	7.65	5.4	1.65	3.6
0.061182	0.123253	0.12259	0.106894	0.116764	0.076748	0.092947	0.168714	0.129269	0.070458	0.091676
0.060653	0.122102	0.120406	0.105679	0.112218	0.074232	0.089573	0.164812	0.123532	0.068343	0.088267
17373.1871	20574.534	13675.1815	6041.07067	15309.2978	2921.89728	9747.69863	50474.938	30612.2965	4234.41668	2527.47211
48.311828	59.422271	40.735466	19.726945	56.017482	11.137581	28.317606	133.264727	85.550048	13.915429	9.092997
298.9	601.72	539.42	544.46	502.74	365.82	441.42	738.36	636.44	306.18	434.98
0.026164	0.026051	0.027062	0.030108	0.033875	0.035227	0.024801	0.02825	0.037119	0.030937	0.034289
4483.5	9025.8	8091.3	8166.9	7541.1	5487.3	6621.3	11075.4	9546.6	4592.7	6524.7
36883.995	68682.3528	61264.5084	54959.2463	46621.2236	30104.6164	38071.6628	65288.6429	56415.2215	25781.09	41094.674
1.399073	1.84094	2.559446	2.0239	1.659436	0.76931	1.3898	2.955257	2.09888	0.614553	1.488407
2155.06616	2701.3783	1822.20785	834.326196	2457.30915	534.564783	1663.21768	8518.94462	5163.09011	731.617953	395.298244
4799.06	4799.62	4358.76	4996.88	4328.24	4754.4	4805.78	4353.44	4960.76	4341.4	4759.02
13.633693	13.635284	13.621125	13.578478	13.52575	13.506818	13.652784	13.6045	13.480326	13.566875	13.519943
4928	4928	4480	5152	4480	4928	4928	4480	5152	4480	4928
14	14	14	14	14	14	14	14	14	14	14
298.9	601.72	539.42	544.46	502.74	365.82	441.42	738.36	636.44	306.18	434.98
21.307024	27.920865	38.652633	30.560425	25.039727	11.696135	21.044268	44.896554	31.593706	9.395319	22.605133
21.307024	27.920865	38.652633	30.560425	25.039727	11.696135	21.044268	44.896554	31.593706	9.395319	22.605133
36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628	65572.1429	56551.7215	25854.59	41262.674
54850.014	158199.325	119734.765	99794.7444	75577.7549	140440.627	102170.892	120938.422	109756.896	149083.817	72411.0272
17850.519	89306.9719	58396.7563	44730.4981	28893.5314	110178.511	63941.7296	55366.2793	53205.1749	123229.227	31148.3532
54850.014	158199.325	119734.765	99794.7444	75577.7549	140440.627	102170.892	120938.422	109756.896	149083.817	72411.0272
54.7	96.15	123.88	116.21	76.72	56.72	83.78	142.27	114.61	61.18	70.34
19626.3079	48317.8189	47662.827	49023.1756	31374.9258	27340.2191	28481.4641	15097.2048	25939.425	21620.1734	38735.2019
29019.32	112307.391	96410.3717	88492.8366	51140.1246	129436.37	72579.9921	25194.5749	47422.9005	127387.762	68259.349
2.182655	3.538989	5.084617	4.387479	3.593451	1.898864	3.005342	4.57217	4.090776	1.510295	3.322458
155.228922	421.628113	417.939476	488.838253	338.919389	330.182347	330.538821	170.430358	292.233992	257.405469	408.626783
122.070152	110.579888	111.371793	102.614861	98.925441	86.184647	93.956868	94.466978	93.11184	86.584846	95.033152

21.972627	27.600923	36.64784	27.657037	25.476222	12.06585	22.549648	48.139106	33.490871	8.658484	17.105967
298.9	601.72	539.42	544.46	502.74	365.82	441.42	738.36	636.44	306.18	434.98
0.849147	1.709431	1.685687	1.47951	1.571062	1.039261	1.254034	2.307375	1.729456	0.956812	1.235738
17850.519	89306.9719	58396.7563	44730.4981	28893.5314	110178.511	63941.7296	55366.2793	53205.1749	123229.227	31148.3532
17850.519	89306.9719	58396.7563	44730.4981	28893.5314	110178.511	63941.7296	55366.2793	53205.1749	123229.227	31148.3532
143.671077	180.091886	121.480523	55.621746	163.82061	35.637652	110.881178	567.929641	344.206007	48.77453	26.353216
17373.1871	20574.534	13675.1815	6041.07067	15309.2978	2921.89728	9747.69863	50474.938	30612.2965	4234.41668	2527.47211
3.72	5.35	7.79	9.12	7.02	3.85	6.32	4.23	7.56	1.71	9.04
-17850.519	-89306.972	-58396.756	-44730.498	-28893.531	-110178.51	-63941.73	-55366.279	-53205.175	-123229.23	-31148.353
-46869.839	-201614.36	-154807.13	-133223.33	-80033.656	-239614.88	-136521.72	-80560.854	-100628.08	-250616.99	-99407.702
2.21	1.88	2.02	0.66	2.88	0.43	2.06	9.71	5.94	0.28	0.51
7522.5125	14663.8397	12715.9147	11593.7175	9716.777	6787.419	10008.7623	19627.9251	15717.2682	6161.84	8526.0233
0.11	0.2	0.07	0.1	0.06	0.15	0.15	0.27	0.13	0.07	0.16
115.5	210	73.5	105	63	157.5	157.5	283.5	136.5	73.5	168
36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628	65572.1429	56551.7215	25854.59	41262.674
36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628	65572.1429	56551.7215	25854.59	41262.674
36883.995	68682.3528	61264.5084	54959.2463	46621.2236	30104.6164	38071.6628	65288.6429	56415.2215	25781.09	41094.674
298.9	601.72	539.42	544.46	502.74	365.82	441.42	738.36	636.44	306.18	434.98
115.5	210	73.5	105	63	157.5	157.5	283.5	136.5	73.5	168
36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628	65572.1429	56551.7215	25854.59	41262.674

11.169723	11.148355	11.123704	11.207962	11.252754	11.483962	11.310571	11.061489	11.093251	11.675057	11.169291
0.377728	0.425354	0.426327	0.396151	0.350336	0.294514	0.358898	0.463482	0.43775	0.261022	0.391701
0.361196	0.410643	0.409869	0.381321	0.285361	0.262164	0.34674	0.445308	0.420228	0.248506	0.377239
1895806.5	2154160.3	1915110.31	1870211.4	1216868.87	1232644.37	1696654.87	2222806.91	2314103.15	1095740.58	1710339.02
5457.80834	6295.55082	5829.00323	6347.28393	4545.19595	4773.89408	5620.81279	6205.85037	6906.33938	3966.75842	6256.27363
46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59	52311.262	56769.858	29192.558	48746.568
0.030464	0.033236	0.035659	0.034661	0.035602	0.034284	0.034987	0.034801	0.035839	0.036696	0.032525
509733.013	581280.462	526649.131	566250.039	369798.584	382423.364	496892.905	571440.519	619868.056	335723.872	534894.979
1076551.54	1448542.71	1285290.87	1278805.87	891189.542	867267.588	1055276.28	1341482.62	1390130.55	721342.643	1149883.94
3.464441	3.631904	3.642219	3.538873	3.477825	3.493861	3.450024	3.616069	3.534842	3.42197	3.498418
807567.885	875984.766	797205.909	859251.448	503859.329	592687.026	759020.226	823908.064	920596.615	526496.408	817151.88
37824.6623	52085.9361	41824.8097	25376.1917	34465.1235	15824.4037	31427.0978	90562.561	73699.9986	11474.0532	17508.0629
123538.301	124703.643	112909.749	129774.405	95453.026	115135.009	124493.516	112949.138	129667.643	111857.093	124441.392

350.961082	354.271713	352.842965	352.647839	298.290706	327.088093	353.674761	352.966056	352.357725	349.553415	353.526681
129219.2	129219.2	117472	135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59	52311.262	56769.858	29192.558	48746.568
245.835931	274.203782	306.118292	301.172954	252.882961	233.460966	235.004449	353.017479	305.068524	238.663721	248.014346
40.301293	42.257894	42.256451	41.384368	40.784397	41.872105	40.710475	41.964603	41.038231	41.556222	40.833796
2016819.78	2477119.77	2218324.21	2288441.91	1504986.48	1565984.02	1942474.1	2324868.49	2478866.82	1343842.45	2110740.81
3150687.58	5644051.02	4609543.38	4061192.96	2501729.67	3866065.76	3738389.69	4414941.37	4442251.39	3998586.3	3391808.7
1133867.8	3166931.25	2391219.17	1772751.05	996743.195	2300081.75	1795915.59	2090072.88	1963384.57	2654743.85	1281067.89
3150687.58	5644051.02	4609543.38	4061192.96	2501729.67	3866065.76	3738389.69	4414941.37	4442251.39	3998586.3	3391808.7
1245.08	1544.99	1484.67	1561.47	1153.55	1087.91	1368.92	1538.77	1590.97	1117.6	1322.65
76837.3482	279519.105	265972.95	373043.777	249909.457	298558.834	207467.023	59354.496	117437.73	207556.027	357470.425
112973.67	614991.506	530693.283	690567.3	440215.516	1182308.57	495093.604	96842.7038	204327.897	1078209.29	646520.179
1.156568	1.917208	2.959133	4.01921	4.737658	2.341888	2.707534	1.930827	2.193013	1.436353	4.02584
619.587842	2111.38649	2247.79075	4307.9563	3461.07347	3260.37789	2462.23904	596.905454	1219.6054	2121.5158	4739.96652
43.60855	50.759194	52.812446	46.730291	39.829616	28.639706	39.130124	58.038681	50.776917	20.083303	39.74113
43.606361	50.718047	52.78288	46.691919	39.785645	28.614438	39.123559	58.010054	50.767676	20.082675	39.686859
46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59	52311.262	56769.858	29192.558	48746.568
132.595221	150.74738	150.463256	139.983211	104.756043	96.240698	127.288607	163.472693	154.265918	91.226743	138.484568
891749.68	2905744.51	2153544.75	1515236.85	838909.442	2126862.63	1567970.05	1843596.08	1687091.9	2498523.42	1035746.83
891749.68	2905744.51	2153544.75	1515236.85	838909.442	2126862.63	1567970.05	1843596.08	1687091.9	2498523.42	1035746.83
46053.9302	50951.6915	45900.4513	47205.8657	30060.8605	30616.3481	42343.351	51714.3565	55550.2526	27071.0422	44006.6015
1895806.5	2154160.3	1915110.31	1870211.4	1216868.87	1232644.37	1696654.87	2222806.91	2314103.15	1095740.58	1710339.02
18.9	42.15	43.16	62.26	45.87	37.57	40.37	21.78	35.18	24.11	64.24
-1133867.8	-3166931.2	-2391219.2	-1772751.1	-996743.19	-2300081.7	-1795915.6	-2090072.9	-1963384.6	-2654743.9	-1281067.9
-1246841.5	-3781922.8	-2921912.5	-2463318.4	-1436958.7	-3482390.3	-2291009.2	-2186915.6	-2167712.5	-3732953.1	-1927588.1
332.43	309.58	275.89	295.72	263.59	305.83	305.96	297.79	332.24	293.85	274.27
0.008264				0.045454	0.049586				0.004545	
357800.004	402740.425	346323.842	346673.739	232409.205	235618.452	337802.195	395104.155	407946.798	266686.71	303282.217
4.6	5.8	5.75	6.49	3.68	5.66	4.74	6.19	5.86	5.11	4.76
44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426	43967.7594	47914.3145	40833.7929	43749.775
2258937.9	2738306.51	2455998.64	2545956.12	1662820.23	1739203.13	2170419.63	2571345.3	2755159.49	1500062.88	2356061.88
2258937.9	2738306.51	2455998.64	2545956.12	1662820.23	1739203.13	2170419.63	2571345.3	2755159.49	1500062.88	2356061.88
1884119.42	2324527.48	2082496.78	2138057.32	1395048.87	1459954.61	1814296.51	2165390.68	2310727.17	1247839.05	1967035.82
46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59	52311.262	56769.858	29192.558	48746.568

44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426	43967.7594	47914.3145	40833.7929	43749.775
2258937.9	2738306.51	2455998.64	2545956.12	1662820.23	1739203.13	2170419.63	2571345.3	2755159.49	1500062.88	2356061.88
88010.6548	108335.172	98041.7239	104627.828	71275.2981	70653.7296	89200.4431	115510.055	120225.339	55169.6059	99955.2126
0.06	0.17	0.75	9.66	8.47	7.1	5.2	0.04	0.45	1.64	13.15

5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407	1646820.05	1508665.23	379958.98	678988.713
4160.98771	3761.53665	3193.68689	2833.1469	3011.71724	2045.52618	3168.65721	4593.98416	4480.60156	1342.83441	2471.14217
-121912.33	-120493.32	-104945.7	-108160.83	-85238.064	-90926.614	-105773.72	-112781.31	-122349.64	-88836.385	-96206.42
121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	96206.4204
1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407	1646820.05	1508665.23	379958.98	678988.713
332.54	309.21	275.56	294.87	264.87	307	305.8	297.52	331.62	294.12	273.55
267.956649	244.151403	233.986083	208.99508	205.947046	194.583697	254.472561	288.032072	270.910365	242.690173	201.144028
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-346.34186	-342.31057	-327.9553	-293.9153	-266.36895	-258.31424	-300.49351	-352.4416	-332.47186	-277.6137	-273.31369
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-44.228208	-64.20138	-60.0644	-49.757835	-45.026611	-46.598897	-47.193373	-59.63028	-53.763981	-45.199051	-44.809674
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5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
6851217.24	9022827.4	7351055.22	6217925.31	4646026.52	4774828.06	6058609.13	8390814.91	8079554.12	4419810.66	4986815.67
121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	96206.4204
5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95

5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407	1646820.05	1508665.23	379958.98	678988.713
4160.98771	3761.53665	3193.68689	2833.1469	3011.71724	2045.52618	3168.65721	4593.98416	4480.60156	1342.83441	2471.14217
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121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	96206.4204
1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407	1646820.05	1508665.23	379958.98	678988.713
332.54	309.21	275.56	294.87	264.87	307	305.8	297.52	331.62	294.12	273.55

267.956649	244.151403	233.986083	208.99508	205.947046	194.583697	254.472561	288.032072	270.910365	242.690173	201.144028
159.646594	141.243584	131.546869	110.513875	115.947937	116.074237	135.033997	154.390451	145.076608	146.424218	110.039593
55108.2762	47943.1948	39888.6998	37511.512	33554.3352	38814.544	45068.0308	47724.6874	51190.2594	46141.6251	32611.7926
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5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
6851217.24	9022827.4	7351055.22	6217925.31	4646026.52	4774828.06	6058609.13	8390814.91	8079554.12	4419810.66	4986815.67
121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	96206.4204
5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95

365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836	227936.988	258977.954	287729.897	363962.82
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301522.117	457040.301	401546.646	378053.66	321836.13	343294.382	271500.643	237140.996	245201.891	235232.387	293369.028
6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443	4115.87194	4676.38054	5195.55611	6572.09858
19.518075	20.186866	20.956263	20.867867	22.458466	20.808338	16.748222	12.862099	12.707555	16.236112	18.670734
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6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443	4115.87194	4676.38054	5195.55611	6572.09858
365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836	227936.988	258977.954	287729.897	363962.82
64462.103	-63522.372	-30168.122	47230.1498	76163.8226	62338.3697	54985.1926	-9204.0074	13776.0635	52497.5098	70593.7917
64462.103	-63522.372	-30168.122	47230.1498	76163.8226	62338.3697	54985.1926	-9204.0074	13776.0635	52497.5098	70593.7917
121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	96206.4204
365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836	227936.988	258977.954	287729.897	363962.82

365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836	227936.988	258977.954	287729.897	363962.82
6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443	4115.87194	4676.38054	5195.55611	6572.09858
365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836	227936.988	258977.954	287729.897	363962.82
365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836	227936.988	258977.954	287729.897	363962.82
6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443	4115.87194	4676.38054	5195.55611	6572.09858
301522.117	457040.301	401546.646	378053.66	321836.13	343294.382	271500.643	237140.996	245201.891	235232.387	293369.028
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365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836	227936.988	258977.954	287729.897	363962.82
345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234	214903.47	243974.968	270535.446	342289.478
1001.95389	1084.62921	1069.49574	1368.64464	1412.18755	1482.69863	1038.13243	617.423379	742.133576	986.003692	1257.55268
7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565	4632.53869	5259.21466	5831.76214	7378.5186
338583.844	513505.831	451199.435	424723.381	361957.873	385596.589	304571.326	266987.883	275806.201	264292.112	329404.757
42.306986	18.2184	28.27553	24.615661	31.437037	29.016125	24.005097	28.153071	31.255785	9.892662	41.681819
3.807628	0.182184	0.56551	0.738469	5.658666	4.352418	1.440305	1.407653	1.250231	0.593559	1.667272
7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565	4632.53869	5259.21466	5831.76214	7378.5186
21.922082	22.679993	23.549433	23.44227	25.261237	23.383715	18.778368	14.476683	14.291344	18.224256	20.9617
-7195.8	143157.869	101612.8	24528.1889	-13040.146	3757.34653	-2065.9077	52084.4133	31831.2322	-6243.3334	-12884.721
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7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565	4632.53869	5259.21466	5831.76214	7378.5186
345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234	214903.47	243974.968	270535.446	342289.478
7195.79996	-143157.87	-101612.8	-24528.189	13040.1457	-3757.3465	2065.90773	-52084.413	-31831.232	6243.33337	12884.7206
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0.61	0.1	0.2	0.36	2.07	1.5	0.47	0.39	0.13	0.4	0.34
121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	96206.4204
345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234	214903.47	243974.968	270535.446	342289.478
345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234	214903.47	243974.968	270535.446	342289.478
7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565	4632.53869	5259.21466	5831.76214	7378.5186
345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234	214903.47	243974.968	270535.446	342289.478
345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234	214903.47	243974.968	270535.446	342289.478
7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565	4632.53869	5259.21466	5831.76214	7378.5186
338583.844	513505.831	451199.435	424723.381	361957.873	385596.589	304571.326	266987.883	275806.201	264292.112	329404.757
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345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234	214903.47	243974.968	270535.446	342289.478

159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726	142887.755	180582.521	114433.853	104459.363
461.054135	477.978631	414.429645	600.727124	579.089222	584.706085	558.207461	407.351813	546.44789	415.200943	384.143941
3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677	2789.14221	3524.93697	2233.72736	2039.02719
137442.125	203694.265	160608.396	169307.832	133237.494	143281.758	151316.97	165717.65	184164.836	116105.939	91166.4954
3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677	2789.14221	3524.93697	2233.72736	2039.02719
8.82086	9.063022	8.263205	9.296659	9.349529	8.343699	9.147235	8.716069	9.578633	6.980398	5.79269
-21624.093	40261.1335	25144.7126	-5958.7457	-20034.96	-7179.845	-13634.756	22829.8944	3582.31458	1672.08579	-13292.868
-21624.093	40261.1335	25144.7126	-5958.7457	-20034.96	-7179.845	-13634.756	22829.8944	3582.31458	1672.08579	-13292.868
3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677	2789.14221	3524.93697	2233.72736	2039.02719
159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726	142887.755	180582.521	114433.853	104459.363
21624.0935	-40261.133	-25144.713	5958.74565	20034.9599	7179.84503	13634.7555	-22829.894	-3582.3146	-1672.0858	13292.8676
21624.0935	-40261.133	-25144.713	5958.74565	20034.9599	7179.84503	13634.7555	-22829.894	-3582.3146	-1672.0858	13292.8676
121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	86882.8539
159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726	142887.755	180582.521	114433.853	104459.363
159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726	142887.755	180582.521	114433.853	104459.363
3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677	2789.14221	3524.93697	2233.72736	2039.02719
159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726	142887.755	180582.521	114433.853	104459.363
159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726	142887.755	180582.521	114433.853	104459.363
3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677	2789.14221	3524.93697	2233.72736	2039.02719
137442.125	203694.265	160608.396	169307.832	133237.494	143281.758	151316.97	165717.65	184164.836	116105.939	91166.4954
-21624.093	40261.1335	25144.7126	-5958.7457	-20034.96	-7179.845	-13634.756	22829.8944	3582.31458	1672.08579	-13292.868
159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726	142887.755	180582.521	114433.853	104459.363

287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965	169408.656	201689.076	221784.066	337780.115
834.343299	914.937554	655.211907	1193.62817	1189.96622	1096.10118	841.606971	490.253305	616.310574	810.75064	1244.77158
3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674	1804.71563	2148.59993	2362.67248	3598.38197
129687.59	218422.981	141045.335	184740.988	150913.393	151916.327	124792.332	100371.561	109247.425	118314.172	160952.292
3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674	1804.71563	2148.59993	2362.67248	3598.38197
8.688204	9.429302	7.095299	10.098234	10.502228	8.531637	7.491894	5.639736	5.838586	7.383351	10.222676
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3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674	1804.71563	2148.59993	2362.67248	3598.38197
287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965	169408.656	201689.076	221784.066	337780.115
157390.164	93142.309	72086.0971	164094.046	164556.755	129988.075	122756.633	69037.0959	92441.6514	103469.894	176827.823
157390.164	93142.309	72086.0971	164094.046	164556.755	129988.075	122756.633	69037.0959	92441.6514	103469.894	176827.823

121912.333	120493.32	104945.696	108160.83	85238.0637	90668.2986	105282.211	109856.873	122349.644	88836.3854	96206.4204
287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965	169408.656	201689.076	221784.066	337780.115
287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965	169408.656	201689.076	221784.066	337780.115
3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674	1804.71563	2148.59993	2362.67248	3598.38197
287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965	169408.656	201689.076	221784.066	337780.115
287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965	169408.656	201689.076	221784.066	337780.115
3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674	1804.71563	2148.59993	2362.67248	3598.38197
129687.59	218422.981	141045.335	184740.988	150913.393	151916.327	124792.332	100371.561	109247.425	118314.172	160952.292
-157390.16	-93142.309	-72086.097	-164094.05	-164556.75	-129988.08	-122756.63	-69037.096	-92441.651	-103469.89	-176827.82
287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965	169408.656	201689.076	221784.066	337780.115

1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
3357.82646	3630.02693	3275.3142	4617.44082	4680.09424	4738.60763	3543.20713	2169.94116	2692.68362	3260.599	4223.56874
20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336	13342.2685	15609.1321	15623.7181	19588.0263
907235.676	1392663.38	1154399.81	1156825.86	967944.89	1024089.06	852181.272	770218.089	814420.351	733944.61	874892.573
42.306986	18.2184	28.27553	24.615661	31.437037	29.016125	24.005097	28.153071	31.255785	9.892662	41.681819
3.807628	0.182184	0.56551	0.738469	5.658666	4.352418	1.440305	1.407653	1.250231	0.593559	1.667272
20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336	13342.2685	15609.1321	15623.7181	19588.0263
58.949223	61.359185	59.864201	63.705032	67.571462	61.06739	52.16572	41.694588	42.416119	48.824119	55.647802
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20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336	13342.2685	15609.1321	15623.7181	19588.0263
1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
250672.16	-153799.07	-84839.538	192754.752	273795.683	195748.943	193442.488	-15081.219	70804.1681	160538.652	273599.203
250672.16	-153799.07	-84839.538	192754.752	273795.683	195748.943	193442.488	-15081.219	70804.1681	160538.652	273599.203
0.61	0.1	0.2	0.36	2.07	1.5	0.47	0.39	0.13	0.4	0.34
487649.332	481973.279	419782.783	432643.319	340952.255	363448.14	422603.357	448200.81	489398.576	355345.542	375502.115
1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336	13342.2685	15609.1321	15623.7181	19588.0263
1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336	13342.2685	15609.1321	15623.7181	19588.0263
907235.676	1392663.38	1154399.81	1156825.86	967944.89	1024089.06	852181.272	770218.089	814420.351	733944.61	874892.573
-250672.16	153799.066	84839.5376	-192754.75	-273795.68	-195748.94	-193442.49	15081.2191	-70804.168	-160538.65	-273599.2

1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
11.169723	11.148355	11.123704	11.207962	11.252754	11.483962	11.310571	11.061489	11.093251	11.675057	11.169291
0.377728	0.425354	0.426327	0.396151	0.350336	0.294514	0.358898	0.463482	0.43775	0.261022	0.391701
0.361196	0.410643	0.409869	0.381321	0.285361	0.262164	0.34674	0.445308	0.420228	0.248506	0.377239
5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72	6743994.86	6570888.89	4039851.68	4307826.95
4502673.82	4688801.85	4039451.17	4060262.3	3262577.35	2982862.37	3719637.04	4624763.83	4707992.9	2370182.82	3537819.51
12976.6225	13687.1144	12298.0043	13797.8716	12237.0074	11558.0279	12332.6771	12969.7757	14079.6246	8570.19183	12950.9845
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3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66
0.030464	0.033236	0.035659	0.034661	0.035602	0.034284	0.034987	0.034801	0.035839	0.036696	0.032525
509733.013	581280.462	526649.131	566250.039	369798.584	382423.364	496892.905	571440.519	619868.056	335723.872	534894.979
1076551.54	1448542.71	1285290.87	1278805.87	891189.542	867267.588	1055276.28	1341482.62	1390130.55	721342.643	1149883.94
3.464441	3.631904	3.642219	3.538873	3.477825	3.493861	3.450024	3.616069	3.534842	3.42197	3.498418
807567.885	875984.766	797205.909	859251.448	503859.329	592687.026	759020.226	823908.064	920596.615	526496.408	817151.88
37824.6623	52085.9361	41824.8097	25376.1917	34465.1235	15824.4037	31427.0978	90562.561	73699.9986	11474.0532	17508.0629
123538.301	124703.643	112909.749	129774.405	95453.026	115135.009	124493.516	112949.138	129667.643	111857.093	124441.392
350.961082	354.271713	352.842965	352.647839	298.290706	327.088093	353.674761	352.966056	352.357725	349.553415	353.526681
129219.2	129219.2	117472	135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59	52311.262	56769.858	29192.558	48746.568
245.835931	274.203782	306.118292	301.172954	252.882961	233.460966	235.004449	353.017479	305.068524	238.663721	248.014346
40.301293	42.257894	42.256451	41.384368	40.784397	41.872105	40.710475	41.964603	41.038231	41.556222	40.833796
2016819.78	2477119.77	2218324.21	2288441.91	1504986.48	1565984.02	1942474.1	2324868.49	2478866.82	1343842.45	2110740.81
3150687.58	5644051.02	4609543.38	4061192.96	2501729.67	3866065.76	3738389.69	4414941.37	4442251.39	3998586.3	3391808.7
121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715	112781.312	122349.644	88836.3854	96206.4204
1133867.8	3166931.25	2391219.17	1772751.05	996743.195	2300081.75	1795915.59	2090072.88	1963384.57	2654743.85	1281067.89
4057923.25	7036714.39	5763943.19	5218018.82	3469674.56	4890154.82	4590570.96	5185159.46	5256671.74	4732530.91	4266701.27
1245.08	1544.99	1484.67	1561.47	1153.55	1087.91	1368.92	1538.77	1590.97	1117.6	1322.65
76837.3482	279519.105	265972.95	373043.777	249909.457	298558.834	207467.023	59354.496	117437.73	207556.027	357470.425
34.290133	47.205759	44.292366	37.240065	34.207338	35.206731	34.962085	42.977024	39.455952	33.933279	34.127172
1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407	1646820.05	1508665.23	379958.98	678988.713
332.54	309.21	275.56	294.87	264.87	307	305.8	297.52	331.62	294.12	273.55

267.956649	244.151403	233.986083	208.99508	205.947046	194.583697	254.472561	288.032072	270.910365	242.690173	201.144028
9.977912	8.827724	8.221679	6.907117	7.246746	7.254639	8.439624	9.649403	9.067288	9.151513	6.877474
55,108	47,943	39,889	37,512	33,554	38,815	45,068	47,725	51,190	46,142	32,612
112973.67	614991.506	530693.283	690567.3	440215.516	1182308.57	495093.604	96842.7038	204327.897	1078209.29	646520.179
0.79514	1.31808	2.034404	2.763207	3.25714	1.610048	1.861429	1.327443	1.507696	0.987493	2.767765
620	2,111	2,248	4,308	3,461	3,260	2,462	597	1,220	2,122	4,740
43.532346	50.752575	52.770841	46.69664	39.635063	28.663633	39.03515	57.941386	50.715076	20.075824	39.775287
43.530158	50.711428	52.741274	46.658272	39.591196	28.638604	39.028589	57.912759	50.705835	20.075196	39.721052
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66804.0569	72550.1249	65056.9959	70649.3178	51683.7285	52112.0697	60705.6846	65056.625	71159.3847	42694.7603	63594.6278
3053714.34	3393024.61	2984670.59	3219792.01	2458609.44	2452482.37	2742278.63	2977943.78	3199327.67	1990223.84	2858830.8
8311589.24	8274697.5	7336922.89	7841671.74	6635818.07	6008492.91	7347155.28	8155547.73	8722521.51	5062353.45	7168735.93
9647575.05	8955483.24	7861010.2	7991574.72	6999570.46	5356564.35	7829420.08	9705525.07	10026858.8	4364103.14	7201204.46
0.008264				0.045454	0.049586				0.004545	
967361.669	1005207.02	871052.321	887477.888	658599.524	689993.205	866179.267	956086.277	1019695.02	710868.637	774990.752
4.6	5.8	5.75	6.49	3.68	5.66	4.74	6.19	5.86	5.11	4.76
44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426	43967.7594	47914.3145	40833.7929	43749.775
12611630.6	15572598.6	13338540.5	13317204.8	10263326.4	11071866.8	12165671.8	13587184	14255485.9	9951104.79	11680758.3
8819103.49	11704221	9821833.54	9272991.76	6746619.42	7203489.18	8297294.11	10070477	10211272.9	6434397.82	7812380.61
1884119.42	2324527.48	2082496.78	2138057.32	1395048.87	1459954.61	1814296.51	2165390.68	2310727.17	1247839.05	1967035.82
67423.6448	74661.5114	67304.7866	74957.2741	55144.8019	55372.4476	63167.9236	65653.5305	72378.9901	44816.2761	68334.5943
44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426	43967.7594	47914.3145	40833.7929	43749.775
8819103.49	11704221	9821833.54	9272991.76	6746619.42	7203489.18	8297294.11	10070477	10211272.9	6434397.82	7812380.61
88010.6548	108335.172	98041.7239	104627.828	71275.2981	70653.7296	89200.4431	115510.055	120225.339	55169.6059	99955.2126
1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76	755136.87	885224.519	894483.262	1148491.78
20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336	13342.2685	15609.1321	15623.7181	19588.0263
907235.676	1392663.38	1154399.81	1156825.86	967944.89	1024089.06	852181.272	770218.089	814420.351	733944.61	874892.573
-250672.16	153799.066	84839.5376	-192754.75	-273795.68	-195748.94	-193442.49	15081.2191	-70804.168	-160538.65	-273599.2
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2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09
3692542.32	3516706.97									
-3692542.3	-3516707									
-3692542.3	-3516707									
3692542.32	3516706.97									
3692542.32	3516706.97									
3692542.32	3516706.97									
44.567717	45.478397	65.559033	61.091343	50.387503	45.826733	47.409043	47.036733	59.322883	53.924423	45.454423
20.775813	20.775799	20.680513	20.6805	20.680447	20.6805	20.680565	20.68046	20.680578	20.680486	20.680565
44.442232	45.352912	65.432225	60.964535	50.260695	45.699925	47.282235	46.909925	59.196075	53.797615	45.327615
44.538759	45.449439	65.529769	61.062079	50.358239	45.797469	47.379779	47.007469	59.293619	53.895159	45.425159
43.814803	44.725483	64.798183	60.330493	49.626653	45.065883	46.648193	46.275883	58.562033	53.163573	44.693573
44.094733	45.005413	65.081063	60.613373	49.909533	45.348763	46.931073	46.558763	58.844913	53.446453	44.976453
44.519454	45.430134	65.51026	61.04257	50.33873	45.77796	47.360271	46.98796	59.27411	53.87565	45.40565
44.558064	45.468745	65.549278	61.081588	50.377748	45.816978	47.399288	47.026978	59.313128	53.914668	45.444668

25.16182	25.16182	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057
1.55	1.55	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
44.25883	45.16951	65.24689	60.7792	50.07536	45.51459	47.096899	46.72459	59.01074	53.61228	45.14228
6.759169	7.664591	7.689539	7.708009	6.825409	6.154707	5.763301	5.725209	5.751817	5.753272	5.765468
34.086783	34.769354	48.194317	45.217396	38.007948	34.911547	35.933809	35.682419	43.875413	40.276553	34.630909
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	0.27788	0.27788	0.83364	0.13894	0.55576	0.27788	0.55576	0.27788	0.27788	0.83364
	0.000409	0.014015	0.012885	0.001237	0.005321	0.012598	0.004682	0.008333	0.008671	0.015646
	0.000388	0.014015	0.012527	0.001237	0.005238	0.01101	0.004391	0.008333	0.008671	0.01459
	431.973956	8994.34036	16532.1124	75.944989	45.091007	1550.2379	3239.55696	15821.0468	3809.62143	3115.98276
	1.127913	25.194679	47.094835	0.233791	0.159518	5.77169	8.819775	42.248476	10.331635	10.307426
	2.8	111	90.2	9.8	39.6	87.2	33.2	63	71.8	99.8
0.029583	0.028218	0.027329	0.025187	0.035056	0.026607	0.026022	0.029404	0.027083	0.034864	0.04194
	38.9032	1542.234	1253.2388	136.1612	550.202399	1211.5568	461.2808	875.321999	997.5892	1386.6212
	978.87535	39581.524	32164.4456	3494.585	14120.9761	31094.6747	11838.7982	22465.1893	25603.184	35587.7126
	0.533862	0.544501	1.633503	0.27225	1.089002	0.544501	1.089002	0.544501	0.544501	1.633503
	59.57247	2405.88504	1955.05253	212.411472	858.315744	1890.02861	719.598048	1365.50232	1556.23915	2163.12907
7336.35	6996.825	7703.55	7018.65	7642.35	7358.85	7713.9	7337.7	7355.25	7991.325	6553.125
21.834375	21.865078	21.885085	21.933281	21.711221	21.901339	21.914488	21.838392	21.890625	21.715557	21.556332
7560	7200	7920	7200	7920	7560	7920	7560	7560	8280	6840
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	2.8	111	90.2	9.8	39.6	87.2	33.2	63	71.8	99.8
	7.690522	7.599017	23.176674	3.797249	15.309811	7.602412	15.221042	7.603882	7.594498	22.849322
	7.690522	7.599017	23.176674	3.797249	15.309811	7.602412	15.221042	7.603882	7.594498	22.849322
	1076.67312	42172.7394	34286.0957	3721.30447	15072.0135	33146.9209	12641.7738	23934.3068	27264.2511	37966.3608
	1132.45106	64818.1112	57087.3221	4574.85782	20541.5429	87769.36	15980.6155	49341.5558	75866.1862	58336.5046
	55.777937	22645.3717	22801.2264	853.553351	5469.52943	54622.4391	3338.84174	25407.249	48601.935	20370.1438

1132.45106	64818.1112	57087.3221	4574.85782	20541.5429	87769.36	15980.6155	49341.5558	75866.1862	58336.5046	
2.86	7.04	13.51	3.52	5.62	9.69	9.22	6.48	7.15	15.74	
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1.670367	87.313538	46.693568	9.6	39.481253	83.117471	24.699316	21.335508	61.767418	91.624746	
381.865807	382.173175	385.020314		379.724946	379.836666	384.08075	381.001363	382.128108	385.603706	
7.637316	7.643463	15.400812		3.797249	7.596733	11.522422	7.620027	7.642562	19.280185	
2.8	111	90.2	9.8	39.6	87.2	33.2	63	71.8	99.8	
0.00875	0.31534	0.281875	0.02784	0.117857	0.247727	0.098809	0.1875	0.195108	0.328289	
55.777937	22645.3717	22801.2264	853.553351	5469.52943	54622.4391	3338.84174	25407.249	48601.935	20370.1438	
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1.129632	23.686461	43.506431	0.2	0.118746	4.082528	8.500683	41.664491	10.032581	8.175253	
431.973956	8994.34036	16532.1124	75.944989	45.091007	1550.2379	3239.55696	15821.0468	3809.62143	3115.98276	
0.06	0.5	0.37	0.11	0.35	0.33	0.29	0.11	0.14	0.71	
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0.03	0.17	0.14			0.01	0.11	0.05	0.03	0.03	
53.3192	1952.6215	1580.4936	158.2151	551.1903	1140.9142	543.5094	1165.6141	1173.9085	1442.5467	
0.03	0.02	0.03		0.03	0.03	0.03	0.01		0.06	
34.2213	23.2704	34.9056		34.9056	34.9056	34.9056	11.6352		69.8112	
1076.67312	42172.7394	34286.0957	3721.30447	15072.0135	33146.9209	12641.7738	23934.3068	27264.2511	37966.3608	
1076.67312	42172.7394	34286.0957	3721.30447	15072.0135	33146.9209	12641.7738	23934.3068	27264.2511	37966.3608	
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2.8	111	90.2	9.8	39.6	87.2	33.2	63	71.8	99.8	
34.2213	23.2704	34.9056		34.9056	34.9056	34.9056	11.6352		69.8112	
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4.004	162.06	131.692	14.308	57.815999	127.312	48.472	91.979999	104.828	145.708	

3.57922	2.54313	4.615309	5.6514	5.086259	4.33274	3.20246	4.52112	6.02816	3.955979	2.73151
0.140829	0.155829	0.229772	0.259968	0.308478	0.194552	0.171302	0.228127	0.258538	0.18395	0.190654
0.138214	0.152031	0.22588	0.253343	0.300426	0.188839	0.164943	0.222232	0.250952	0.178804	0.182993
131763.933	233582.102	353590.45	328555.185	235128.614	83828.9173	76270.6471	192274.368	300647.558	226992.467	125417.265
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2693.52	2821.7	4611.58	4702.06	6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54

0.026369	0.025875	0.024573	0.02825	0.029971	0.032678	0.033096	0.031934	0.030595	0.024048	0.031677
25370.2649	26577.5923	43436.472	44288.7031	57771.4365	34662.8619	31718.2941	40792.3703	46064.1846	35946.6716	30390.7803
187735.052	209501.101	330932.695	312955.436	256420.661	200186.825	143650.818	199811.478	252688.613	196474.427	153727.751
2.688926	2.159608	3.329478	3.811158	2.849219	2.687619	1.623998	2.455874	3.681859	2.467543	1.570096
15510.8175	26085.5404	40561.0208	40362.4148	46098.309	15158.4919	16427.6229	33036.6984	45739.6261	34752.5209	21298.9606
18974.12	18079.76	19914.3	18035.68	19804.1	18851.16	19740.3	18865.66	18891.76	20830.7	17073.46
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19488	18560	20416	18560	20416	19488	20416	19488	19488	21344	17632
58	58	58	58	58	58	58	58	58	58	58
2693.52	2821.7	4611.58	4702.06	6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54
29.262301	23.104	36.446353	42.057586	32.391129	30.116081	18.857689	28.109853	41.438572	27.584331	17.775141
29.262301	23.104	36.446353	42.057586	32.391129	30.116081	18.857689	28.109853	41.438572	27.584331	17.775141
214864.213	237954	378227.472	361199.845	319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261
338050.957	400013.266	760826.538	659530.189	573208.87	411633.055	602886.465	499728.242	690265.409	649481.158	576326.201
123186.744	162059.266	382599.066	298330.345	253943.112	173722.062	424603.954	255437.207	387366.912	413886.956	389505.941
338050.957	400013.266	760826.538	659530.189	573208.87	411633.055	602886.465	499728.242	690265.409	649481.158	576326.201
95.06	78.5	197.88	203.11	187.84	148.9	109.79	149.42	179.07	142.57	94.42
83100.2797	4371.89761	24637.0222	32644.6594	84137.1439	154082.076	102011.863	52016.6666	2250.93984	8601.73563	61402.9959
128019.873	6824.85205	44538.1896	52381.5617	134438.17	263476.011	359943.339	98422.9139	3305.79675	25032.1104	185692.669
12.857552	2.892657	5.542317	11.775965	13.678394	17.413024	13.535762	11.980074	3.534792	4.724375	8.938759
1046.76159	52.240353	305.282004	416.847683	1239.31708	2070.74742	1623.38584	823.407147	34.457859	126.781052	965.263788
79.915262	95.034685	80.826154	81.772141	71.926121	71.436973	61.084969	63.85425	72.533078	70.914781	66.105087
30.298341	25.659362	39.59636	45.785475	32.924175	28.549285	17.597874	28.080722	44.967465	29.072513	17.803476
2693.52	2821.7	4611.58	4702.06	6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54
8.016428	8.817812	13.101079	14.693937	17.424715	10.952678	9.566704	12.889464	14.555238	10.370652	10.613618
123186.744	162059.266	382599.066	298330.345	253943.112	173722.062	424603.954	255437.207	387366.912	413886.956	389505.941
123186.744	162059.266	382599.066	298330.345	253943.112	173722.062	424603.954	255437.207	387366.912	413886.956	389505.941
1646.75841	2769.45965	4306.298	4285.21232	4894.18292	1609.35258	1744.09416	3507.45285	4856.10214	3689.61895	2261.27621
131763.933	233582.102	353590.45	328555.185	235128.614	83828.9173	76270.6471	192274.368	300647.558	226992.467	125417.265
12.25	1.73	5.36	5.14	10.08	13.03	7.78	7	0.96	1.39	4.89
-123186.74	-162059.27	-382599.07	-298330.34	-253943.11	-173722.06	-424603.95	-255437.21	-387366.91	-413886.96	-389505.94
-251206.62	-168884.12	-427137.26	-350711.91	-388381.28	-437198.07	-784547.29	-353860.12	-390672.71	-438919.07	-575198.61
6.01	15.91	18.21	14.51	6.08	1.79	1.78	8.91	19.7	11.85	2.68
13779.6669	17376.8268	27530.3238	27265.3047	32086.4034	17299.9076	15355.3404	23620.5197	31291.7403	22753.6383	16069.8303
0.37	0.45	0.48	0.53	0.53	0.35	0.53	0.57	0.61	0.36	0.34

193.9614	235.899	256.6608	283.3963	283.3963	187.1485	283.3963	304.7847	326.1731	192.4956	181.8014
214864.213	237954	378227.472	361199.845	319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261
214864.213	237954	378227.472	361199.845	319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261
187735.052	209501.101	330932.695	312955.436	256420.661	200186.825	143650.818	199811.478	252688.613	196474.427	153727.751
2693.52	2821.7	4611.58	4702.06	6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54
193.9614	235.899	256.6608	283.3963	283.3963	187.1485	283.3963	304.7847	326.1731	192.4956	181.8014
214864.213	237954	378227.472	361199.845	319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261
26935.2	28217	47038.116	47961.012	62561.7	37537.02	34348.296	44174.772	49883.712	38927.28	32910.708
		0.07	1.14	2.13	2.12	1.83	0.92	0.13	0.22	0.64
11.078035	11.168152	10.980386	11.005368	11.054329	11.082768	11.229	11.103137	10.999717	11.135752	11.269847
0.640758	0.603757	0.706055	0.67529	0.650433	0.62616	0.566564	0.625244	0.665709	0.607802	0.55367
0.621117	0.584489	0.683367	0.655296	0.627339	0.602384	0.549449	0.602729	0.640906	0.585194	0.534166
918091.654	834835.525	1081619.74	928278.274	906870.928	825425.805	795635.687	895762.451	973388.71	981009.881	709507.205
3107.31599	2372.60844	3124.15231	2784.37687	3022.21807	3043.89229	3021.17436	2951.41585	2724.5529	2925.34699	2502.69373
23165.204	20761.05	26700.54	23276.128	24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912
0.035	0.032687	0.032954	0.032	0.036221	0.039523	0.031107	0.038244	0.035565	0.037581	0.03773
252669.654	227832.796	288809.987	252744.176	267068.04	245619.765	237271.015	245757.375	259952.193	262133.4	199507.656
394109.248	353297.979	459878.413	402055.555	424684.244	391281.987	377298.698	391234.484	414557.53	417908.284	317271.403
3.4886	3.4886	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618
489825.392	441676.659	569475.533	498360.967	526604.761	484313.053	467850.988	484584.392	512573.734	516874.638	393389.196
35990.64	34358.94	37784.4	34383.36	37656.75	35821.92	37856.55	35869.65	35969.55	39312.87	32470.83
107.115	107.371687	107.342045	107.448	106.979403	106.612857	107.547017	106.75491	107.052232	106.828451	106.81194
37296	35520	39072	35520	39072	37296	39072	37296	37296	40848	33744
111	111	111	111	111	111	111	111	111	111	111
23165.204	20761.05	26700.54	23276.128	24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912
40.977786	41.324091	41.420351	41.560611	41.734456	41.933544	42.370255	41.951265	41.465789	42.137691	42.680804
40.556083	40.880541	41.066407	41.155554	41.331717	41.426645	41.954059	41.503151	41.130821	41.616641	42.098733
935283.912	842011.114	1089169.12	953319.172	1007435.47	928664.572	894614.565	928088.952	981262.089	991698.391	753897.747
1342191.33	1289196.99	2230317.54	1839667.55	1588707.91	1372121.4	1498549.11	1412373.09	1809073.04	1806774.97	1334658.65
406907.419	447185.878	1141148.41	886348.38	581272.447	443456.831	603934.543	484284.143	827810.951	815076.583	580760.905
1342191.33	1289196.99	2230317.54	1839667.55	1588707.91	1372121.4	1498549.11	1412373.09	1809073.04	1806774.97	1334658.65
324.24	309.54	340.4	309.76	339.25	322.72	341.05	323.15	324.05	354.17	292.53
10320.1779	0.328664	24.547894	17722.2177	92421.2185	94167.7264	91557.1178	24080.1002	554.69897	586.670501	36453.3817
19526.1996	1.127602	50.020637	27552.8594	166743.813	198291.619	241838.115	42585.5167	891.214666	1101.0507	94235.8885

7.826178	0.008208	0.272613	7.320153	19.136904	20.105312	16.962017	11.594067	1.751786	2.836131	8.810363
264.600358	0.008208	0.620002	460.120165	2377.68588	2396.7761	2339.46069	618.254578	14.353416	14.813813	939.827944
33.113902	34.572242	43.479938	42.798384	34.805049	29.878408	22.881729	29.953676	33.583122	30.958144	19.225427
33.1096	34.572242	40.871142	42.7891	34.69449	29.792249	22.840428	29.937531	33.246661	30.95725	19.215291
23165.204	20761.05	26700.54	23276.128	24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912
68.944059	64.878281	75.853806	72.7379	69.634681	66.864732	60.988909	66.903005	71.140654	64.95657	59.292473
274836.991	328097.675	990187.433	754238.999	441675.983	315071.38	479912.983	355826.763	691933.94	678059.454	476478.253
274836.991	328097.675	990187.433	754238.999	441675.983	315071.38	479912.983	355826.763	691933.94	678059.454	476478.253
22900.6036	20761.0418	26699.92	22816.0078	22133.7221	20069.7739	19128.6353	21861.1554	23888.9066	23889.2042	17085.0841
918091.654	834835.525	1081619.74	928278.274	906870.928	825425.805	795635.687	895762.451	973388.71	981009.881	709507.205
6.11		0.04	2.89	12.92	12.37	8.59	4.08	0.2	0.29	3.9
-406907.42	-447185.88	-1141148.4	-886348.38	-581272.45	-443456.83	-603934.54	-484284.14	-827810.95	-815076.58	-580760.9
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256.01	254.03	254.33	226.77	230.58	219.25	256.41	236.31	236.97	282.13	224.46
93251.4729	105875.771	114947.582	100650.007	98744.0491	84743.1822	87744.6542	95723.2163	112645.764	115829.807	80909.1016
0.68	0.71	0.73	0.71	0.79	0.88	0.72	0.8	0.71	0.98	0.77
6872.08	7175.26	7524.84	7318.68	8143.32	9071.04	7421.76	8246.4	7318.68	10101.84	7937.16
1067354.34	961099.316	1240130.1	1085428.55	1147031.93	1057050.02	1018636.12	1056546.33	1117139.1	1128715.52	858180.399
1067354.34	961099.316	1240130.1	1085428.55	1147031.93	1057050.02	1018636.12	1056546.33	1117139.1	1128715.52	858180.399
883934.64	794974.638	1029353.95	900416.523	951289.006	875595.04	845149.685	875818.875	927131.265	934782.922	710660.599
23165.204	20761.05	26700.54	23276.128	24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912
6872.08	7175.26	7524.84	7318.68	8143.32	9071.04	7421.76	8246.4	7318.68	10101.84	7937.16
1067354.34	961099.316	1240130.1	1085428.55	1147031.93	1057050.02	1018636.12	1056546.33	1117139.1	1128715.52	858180.399
44477.1917	39861.216	52290.3375	45583.9691	48003.1414	43998.4915	42043.1192	44023.6765	46812.1444	46813.6289	35299.9877
7.33		0.05	3.87	17.29	25.22	20.02	7.11	0.42	0.53	5.29
	0.3	0.3	0.75	0.45	0.45	0.3	0.6	0.6	0.3	0.9
	0.000258	0.013892	0.013062	0.00114	0.00494	0.013065	0.003906	0.009024	0.009283	0.015025
	0.00025	0.013892	0.013062	0.001136	0.00494	0.01284	0.003839	0.00875	0.009266	0.014605
	47.685627	773.742086	1984.75391	24.476721		195.813772	256.315371	1863.40026	358.249669	394.353595
	0.124781	2.16364	5.71219	0.072003		0.728875	0.668706	4.948703	0.962708	1.336004
	0.24	14.67	12.54	1.2	4.98	13.56	3.87	8.82	10.23	13.32
0.025565	0.030593	0.033352	0.030406	0.021647	0.032648	0.030482	0.035565	0.037321	0.026494	0.033125
	3.6	220.05	188.1	18	74.7	203.4	58.05	132.3	153.45	199.8

	90.582555	5647.59586	4827.59728	461.971031	1917.17978	5220.27265	1489.85658	3395.48708	3938.30304	5127.87845
	0.533862	0.543927	1.359817	0.81589	0.81589	0.543927	1.087854	1.087854	0.543927	1.631781
	5.51268	336.962565	288.03753	27.5634	114.38811	311.46642	88.891964	202.590989	234.977985	305.953739
982.23	930.63	1020.78	930.81	1033.14	975.09	1023.81	972.15	970.38	1074.75	881.79
2.923303	2.908218	2.899943	2.908781	2.935056	2.902053	2.908551	2.893303	2.888035	2.920516	2.900625
1008	960	1056	960	1056	1008	1056	1008	1008	1104	912
3	3	3	3	3	3	3	3	3	3	3
	0.24	14.67	12.54	1.2	4.98	13.56	3.87	8.82	10.23	13.32
	8.007936	8.158907	20.397267	12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721
	8.007936	8.158907	20.397267	12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721
	96.095235	5984.55842	5115.63481	489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219
	103.735013	8940.751	8297.31503	580.906129	2700.89405	15014.8247	1960.44935	7011.05849	11162.1798	8249.47368
	7.639778	2956.19258	3181.68023	91.371697	669.326156	9483.08566	381.700807	3412.98042	6988.89877	2815.6415
	103.735013	8940.751	8297.31503	580.906129	2700.89405	15014.8247	1960.44935	7011.05849	11162.1798	8249.47368
	0.08	4.89	4.18	0.4	1.66	4.52	1.29	2.94	3.41	4.44
	48.409607	5210.81634	3130.88089	465.057709	2031.56789	5335.9253	1322.43317	1734.67781	3815.03136	5039.47859
	51.817825	7795.6063	4851.54277	556.003014	2700.89405	14478.1726	1643.36068	2978.82045	9910.11935	7604.11323
	0.052726	0.059384	0.148583	0.06	0.09	0.06	0.118951	0.057143	0.059876	0.179819
	0.120904	12.773319	7.674755	1.14	4.98	13.08	3.241691	4.25223	9.351819	12.353317
	400.396813	407.945359	407.945359				407.945359	407.945359	407.945359	407.945359
	4.003968	8.158907	8.158907				4.079453	8.158907	4.079453	4.079453
	0.24	14.67	12.54	1.2	4.98	13.56	3.87	8.82	10.23	13.32
	0.00075	0.041676	0.039187	0.003409	0.014821	0.038522	0.011517	0.02625	0.027798	0.043815
	7.639778	2956.19258	3181.68023	91.371697	669.326156	9483.08566	381.700807	3412.98042	6988.89877	2815.6415
	7.639778	2956.19258	3181.68023	91.371697	669.326156	9483.08566	381.700807	3412.98042	6988.89877	2815.6415
	0.119095	1.89668	4.865244	0.06		0.48	0.628308	4.567769	0.87818	0.966682
	47.685627	773.742086	1984.75391	24.476721		195.813772	256.315371	1863.40026	358.249669	394.353595
		0.01								
	-7.639778	-2956.1926	-3181.6802	-91.371697	-669.32616	-9483.0857	-381.70081	-3412.9804	-6988.8988	-2815.6415
	-59.457603	-10751.799	-8033.223	-647.37471	-3370.2202	-23961.258	-2025.0615	-6391.8009	-16899.018	-10419.755
	30.3351	1722.2419	1460.6649	130.0736	463.682	1186.5927	421.9051	1089.3783	1113.56	1284.4236
	0.06	0.42	0.77	0.21	0.3	0.35	0.32	0.39	0.28	0.85
	96.095235	5984.55842	5115.63481	489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219
	96.095235	5984.55842	5115.63481	489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219

	96.095235	5984.55842	5115.63481	489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219
	0.24	14.67	12.54	1.2	4.98	13.56	3.87	8.82	10.23	13.32
	96.095235	5984.55842	5115.63481	489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219
11.660113	11.847895	11.545323	11.591683	11.652826	11.692453	11.979335	11.740708	11.579136	11.790279	12.145733
0.709661	0.644909	0.745913	0.724585	0.705926	0.686526	0.608129	0.680037	0.724472	0.661388	0.56909
0.67601	0.558293	0.705991	0.690162	0.673118	0.657906	0.582172	0.648168	0.691164	0.6277	0.542425
308512.703	244631.033	341533.384	304646.711	327799.491	307447.132	289509.652	303382.517	321009.863	323116.953	235157.465
1045.48836	692.450219	986.783437	915.128967	1095.89785	1137.58351	1101.81935	1002.2145	900.700856	965.60187	832.604479
9767	7682.12	10685.88	9496.63	10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59
0.047529	0.042156	0.051392	0.048437	0.048892	0.042351	0.044943	0.046636	0.046369	0.050054	0.050986
111557.761	88658.737	121204.128	108098.037	116390.025	109020.585	102856.541	107607.044	113747.699	114553.186	83544.944
173646.195	137548.102	192698.51	171948.582	184970.45	173807.759	163536.012	171399.836	181385.286	182661.017	132916.259
2.6495	2.6495	2.706	2.706	2.706	2.706	2.706	2.706	2.706	2.706	2.706
122657.759	97480.2814	135263.806	120637.409	129891.268	121666.973	114787.9	120089.461	126942.433	127841.356	93236.1575
13761.29	11866.71	14358.13	13093.5	14395.97	13836.11	14455.74	13774.19	13778.06	15031.94	12405.5
40.95622	37.083468	40.790142	40.917187	40.897642	41.178898	41.067443	40.994613	41.00613	40.847663	40.807565
14448	13760	15136	13760	15136	14448	15136	14448	14448	15824	13072
43	43	43	43	43	43	43	43	43	43	43
9767	7682.12	10685.88	9496.63	10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59
32.822108	33.327729	33.131015	33.28916	33.552797	33.68168	34.547659	33.7455	33.268569	33.923905	35.116293
32.129704	32.637578	32.505535	32.63398	32.803001	32.897897	33.686644	33.03458	32.592992	33.164252	34.134812
313960.523	248579.453	347497.997	309744.671	333765.498	313766.14	295581.42	309041.253	326668.598	329540.382	240255.425
526309.468	456948.792	826279.391	699453.289	625695.2	542753.873	614076.683	551774.934	713205.946	691247.044	497430.744
212348.945	208369.338	478781.394	389708.619	291929.702	228987.733	318495.263	242733.681	386537.348	361706.661	257175.319
526309.468	456948.792	826279.391	699453.289	625695.2	542753.873	614076.683	551774.934	713205.946	691247.044	497430.744
319.72	275.97	333.91	304.5	334.79	321.77	336.18	320.33	320.42	349.58	288.5
				1.393681	99.49629	5.195169				
				3.100273	119.273942	6.619775				
				0.023113	0.238501	0.058986				
				0.046226	3.379893	0.17696				
32.351062	27.508108	48.866374	41.559498	39.000945	28.822284	21.080558	28.173685	32.911639	32.911892	22.329968
5.823191	4.401297	8.307283	8.311899	9.360226	6.911412	3.7945	5.071263	5.265862	10.531805	4.912593
9767	7682.12	10685.88	9496.63	10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59
29.068452	24.006625	30.357613	29.676968	28.94409	28.28997	25.033409	27.87125	29.720059	26.991141	23.324309

154037.703	162027.416	415427.997	333205.775	231092.636	172002.673	264732.149	186487.479	327081.425	301829.711	213506.376
154037.703	162027.416	415427.997	333205.775	231092.636	172002.673	264732.149	186487.479	327081.425	301829.711	213506.376
9767	7682.12	10685.88	9496.63	10188.2738	9502.05011	8811.58304	9364.74	9985.94	9932.74	7090.59
308512.703	244631.033	341533.384	304646.711	327799.491	307447.132	289509.652	303382.517	321009.863	323116.953	235157.465
-212348.94	-208369.34	-478781.39	-389708.62	-291929.7	-228987.73	-318495.26	-242733.68	-386537.35	-361706.66	-257175.32
-212348.94	-208369.34	-478781.39	-389708.62	-291932.8	-229107.01	-318501.88	-242733.68	-386537.35	-361706.66	-257175.32
2.11	1.66	2.3	1.8	2.2	2.71	1.52	1.84	1.29	3.5	2.36
	0.099999									
90977.1163	92137.8539	110593.245	97122.0221	96208.3902	83507.5822	85102.5942	94236.3448	110093.56	112963.491	78803.6851
1.09	0.79	1.17	1	1.17	1.22	1.19	1.11	1.11	1.26	1
5447.82	3948.42	5964.6132	5097.96	5964.6132	6219.5112	6066.5724	5658.7356	5658.7356	6423.4296	5097.96
372271.765	294921.375	410851.394	366247.514	394602.564	370751.2	349344.534	365287.455	386124.521	389417.333	283924.368
372271.765	294921.375	410851.394	366247.514	394602.564	370751.2	349344.534	365287.455	386124.521	389417.333	283924.368
296303.953	235028.383	327962.316	292585.991	314861.719	295474.733	278323.912	291489.297	308327.719	310502.373	226152.416
9767	7682.12	10685.88	9496.63	10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59
5447.82	3948.42	5964.6132	5097.96	5964.6132	6219.5112	6066.5724	5658.7356	5658.7356	6423.4296	5097.96
372271.765	294921.375	410851.394	366247.514	394602.564	370751.2	349344.534	365287.455	386124.521	389417.333	283924.368
12208.75	9602.65	13571.0676	12060.7201	12939.1664	12071.8961	11190.9352	11893.2198	12682.1438	12614.5798	9005.0493
	0.3	0.3	0.75	0.45	0.45	0.3	0.6	0.6	0.3	0.9
	0.000335	0.013633	0.013218	0.001136	0.00494	0.013285	0.003839	0.009062	0.009293	0.014913
	0.000312	0.012982	0.012843	0.001136	0.00494	0.013181	0.003839	0.008005	0.009293	0.014506
	60.059521	535.519065	1862.31364	24.476721		189.904414	220.290432	1696.74829	332.108203	342.674101
	0.15564	1.488373	5.365046	0.072003		0.706409	0.563466	4.499882	0.895692	1.16846
	0.3	13.71	12.33	1.2	4.98	13.92	3.87	8.07	10.26	13.23
0.030119	0.026875	0.027244	0.036218	0.026505	0.02869	0.029659	0.040654	0.039791	0.016521	0.026019
	4.5	205.65	184.95	18	74.7	208.8	58.05	121.05	153.9	198.45
	113.228193	5278.01903	4746.75235	461.971031	1917.17978	5358.86396	1489.85658	3106.75519	3949.85232	5093.23062
	0.533862	0.543927	1.359817	0.81589	0.81589	0.543927	1.087854	1.087854	0.543927	1.631781
	6.89085	314.911845	283.213935	27.5634	114.38811	319.73544	88.891964	185.363864	235.66707	303.886484
977.64	934.2	1027.23	925.23	1028.01	979.08	1024.68	967.02	967.89	1085.76	888.27
2.909642	2.919375	2.918267	2.891343	2.920482	2.913928	2.911022	2.878035	2.880625	2.950434	2.92194
1008	960	1056	960	1056	1008	1056	1008	1008	1104	912
3	3	3	3	3	3	3	3	3	3	3

	0.3	13.71	12.33	1.2	4.98	13.92	3.87	8.07	10.26	13.23
	8.007936	8.158907	20.397267	12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721
	8.007936	8.158907	20.397267	12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721
	120.119043	5592.93088	5029.96628	489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711
	128.959539	8476.90282	8198.02831	580.906129	2700.89405	15186.3915	1960.44935	6556.70202	11175.4485	8213.27521
	8.840495	2883.97194	3168.06203	91.371697	669.326156	9507.79207	381.700807	3264.58297	6989.92908	2816.1581
	128.959539	8476.90282	8198.02831	580.906129	2700.89405	15186.3915	1960.44935	6556.70202	11175.4485	8213.27521
	0.1	4.57	4.11	0.4	1.66	4.64	1.29	2.69	3.42	4.41
	60.059521	5057.41181	3167.65265	465.057709	2031.56789	5488.69499	1358.45811	1595.37076	3853.41118	5054.443
	63.953512	7675.46717	4956.10806	556.003014	2700.89405	14657.6104	1685.57017	2845.92183	10010.5099	7627.51039
	0.06	0.059608	0.149349	0.06	0.09	0.059952	0.119361	0.058454	0.05989	0.18
	0.15	12.397277	7.764894	1.14	4.98	13.454485	3.33	3.910746	9.4459	12.39
		507.448745	408.00677			474.644067	407.945359	443.865529	407.945359	
		10.148974	8.160135			4.74644	8.158907	8.87731	4.079453	
	0.3	13.71	12.33	1.2	4.98	13.92	3.87	8.07	10.26	13.23
	0.000937	0.038948	0.038531	0.003409	0.014821	0.039545	0.011517	0.024017	0.02788	0.043519
	8.840495	2883.97194	3168.06203	91.371697	669.326156	9507.79207	381.700807	3264.58297	6989.92908	2816.1581
	8.840495	2883.97194	3168.06203	91.371697	669.326156	9507.79207	381.700807	3264.58297	6989.92908	2816.1581
	0.15	1.312722	4.565105	0.06		0.465514	0.539999	4.159253	0.814099	0.84
	60.059521	535.519065	1862.31364	24.476721		189.904414	220.290432	1696.74829	332.108203	342.674101
		0.33			0.02	0.74	0.02	0.04		0.01
	-8.840495	-2883.9719	-3168.062	-91.371697	-669.32616	-9507.7921	-381.70081	-3264.583	-6989.9291	-2816.1581
	-72.794008	-10559.439	-8124.1701	-647.37471	-3370.2202	-24165.402	-2067.271	-6110.5048	-17000.439	-10443.668
		0.18	0.01			0.01		0.04		
	38.1248	1606.7464	1436.36	130.0736	463.682	1217.1078	421.9051	997.8559	1117.1219	1278.365
	0.08	0.38	0.75	0.21	0.3	0.36	0.32	0.36	0.29	0.83
	120.119043	5592.93088	5029.96628	489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711
	120.119043	5592.93088	5029.96628	489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711
	120.119043	5592.93088	5029.96628	489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711
	0.3	13.71	12.33	1.2	4.98	13.92	3.87	8.07	10.26	13.23
	120.119043	5592.93088	5029.96628	489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711
2.849344	3.425656	4.855996	7.716524	7.450143	4.851842	3.995731	6.422557	7.571693	4.71527	3.745174
0.079184	0.09173	0.150402	0.183234	0.246051	0.136113	0.12569	0.164171	0.184213	0.140162	0.157915
0.07697	0.087981	0.143102	0.175693	0.235198	0.133386	0.122227	0.159595	0.178809	0.138434	0.151144

27243.1477	112847.627	152372.078	144325.164	86416.729	26344.0697	29101.126	78474.9945	199104.118	132881.726	51653.4916
89.547059	311.391305	433.539465	418.68834	280.200436	96.970604	109.552108	234.647894	533.940129	377.659481	171.259523
1293.1	1407.7	2518.6	2811.1	4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4
0.029687	0.032687	0.028082	0.030484	0.032386	0.027782	0.02973	0.031636	0.027261	0.028559	0.038782
18611.9	20317.7	36369.8	40580.3	59926.7	32310.1	31081.6	38714	43454	36893.2	33365.4
136513.842	158901.738	271137.337	263769.574	222320.949	165733.812	129654.466	178699.629	229579.13	196936.337	163272.414
1.469937	1.90926	2.235229	3.041015	2.434165	2.069659	1.298002	2.268904	2.890953	1.689856	1.33003
3643.2324	14458.8418	20014.5075	24554.4886	35231.1413	10156.2677	10390.9448	19035.3468	37622.7099	25838.1682	13002.8194
16296.3	15432.9	17025.8	15528.6	17015.6	16319	17110.2	16380.4	16306.3	17905.1	14541.8
48.500892	48.227812	48.36875	48.526875	48.339772	48.568452	48.608522	48.75119	48.530654	48.655163	47.834868
16800	16000	17600	16000	17600	16800	17600	16800	16800	18400	15200
50	50	50	50	50	50	50	50	50	50	50
1293.1	1407.7	2518.6	2811.1	4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4
38.61293	48.812516	62.139786	88.137791	62.101838	54.781352	32.563876	59.064169	73.987431	44.238312	38.08986
21.033096	27.456755	32.306436	43.779961	34.933398	29.584626	18.626921	32.535764	41.566721	24.240381	19.216335
136902.275	159388.653	272189.643	264621.442	223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74
194123.14	237815.244	504517.144	427686.727	384578.268	269201.901	448466.136	349427.887	500828.449	504874.222	463647.626
57220.8649	78426.5912	232327.501	163065.285	160898.353	102892.04	317988.57	169854.287	270249.046	307264.533	299636.886
194123.14	237815.244	504517.144	427686.727	384578.268	269201.901	448466.136	349427.887	500828.449	504874.222	463647.626
97.72	113.89	240.01	297.22	302.82	212.53	193.52	232.53	269.08	207.65	177.42
109659.127	46541.0254	119817.564	120296.277	137263.186	139965.791	101376.44	101098.606	31475.2846	64727.9629	112357.248
154106.988	65765.5985	214300.223	178398.646	207688.716	220684.121	360175.881	184082.238	55593.558	187084.334	319859.923
4.305073	3.130991	5.28442	8.652532	8.778132	6.734432	5.495367	7.775328	4.55071	3.815859	5.071476
1035.1496	394.321261	1111.56893	1090.92823	1689.37389	1525.15941	1418.07352	1347.43768	385.184559	740.234064	1384.38629
119.087052	131.83739	111.486864	103.492159	94.631069	97.467707	78.076484	92.034467	100.870796	93.068466	109.678653
23.752508	31.631944	35.478178	50.5479	42.579922	23.392249	17.082612	38.652494	51.431171	30.712593	25.127515
1293.1	1407.7	2518.6	2811.1	4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4
3.848511	4.399062	7.155113	8.784687	11.759943	6.669345	6.111363	7.979761	8.940476	6.921739	7.557236
57220.8649	78426.5912	232327.501	163065.285	160898.353	102892.04	317988.57	169854.287	270249.046	307264.533	299636.886
57220.8649	78426.5912	232327.501	163065.285	160898.353	102892.04	317988.57	169854.287	270249.046	307264.533	299636.886
257.950396	1013.37874	1407.03107	1720.17177	2450.12611	715.740585	733.126476	1333.76232	2618.81544	1806.96594	913.013714
27243.1477	112847.627	152372.078	144325.164	86416.729	26344.0697	29101.126	78474.9945	199104.118	132881.726	51653.4916
19.49	13.72	27.56	26.74	36.65	27.84	23.96	29.38	17.27	23.06	28.58
-57220.865	-78426.591	-232327.5	-163065.29	-160898.35	-102892.04	-317988.57	-169854.29	-270249.05	-307264.53	-299636.89
-211327.85	-144192.19	-446627.72	-341463.93	-368587.07	-323576.16	-678164.45	-353936.52	-325842.6	-494348.87	-619496.81

1.35	10.2	10.81	7.36	4.3	0.77	0.9	8.09	29.9	17.9	4.03
13423.4499	18103.1819	31458.1904	33964.0963	46385.5322	21670.2574	20565.3564	30530.914	40966.5529	32670.7674	25275.8027
0.2	0.26	0.62	0.3	0.48	0.15	0.44	0.35	0.41	0.08	0.18
146.048	196.196	512.398	255.75	398.432	119.799	353.564	301.067	319.913	73.584	153.45
136902.275	159388.653	272189.643	264621.442	223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74
136902.275	159388.653	272189.643	264621.442	223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74
136513.842	158901.738	271137.337	263769.574	222320.949	165733.812	129654.466	178699.629	229579.13	196936.337	163272.414
1293.1	1407.7	2518.6	2811.1	4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4
146.048	196.196	512.398	255.75	398.432	119.799	353.564	301.067	319.913	73.584	153.45
136902.275	159388.653	272189.643	264621.442	223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74
242.385	290.719	539.908	596.117999	960.533999	456.249999	469.536	572.903999	680.359999	599.767999	584.875999
			2.18	3.32	1.93	2.87	1.54	0.36	0.28	1.03
	0.3	0.3	0.75	0.45	0.45	0.3	0.6	0.6	0.3	0.9
	0.000312	0.013835	0.013062	0.001141	0.00488	0.013174	0.003955	0.009017	0.009293	0.015029
	0.000312	0.012414	0.013031	0.001136	0.00488	0.011022	0.003779	0.00875	0.009293	0.014934
	80.079362	508.243343	2364.1448	32.672348		228.706441	267.782913	2152.40054	406.203793	522.75758
	0.20752	1.396901	6.795072	0.096112		0.848991	0.689908	5.723795	1.089782	1.773026
	0.4	17.48	16.68	1.6	6.56	15.52	5.08	11.76	13.68	18.16
0.034107	0.033281	0.027926	0.024937	0.029517	0.020684	0.039204	0.037321	0.037767	0.030054	0.02046
	6	262.2	250.2	24	98.4	232.8	76.2	176.4	205.2	272.4
	150.970925	6729.37802	6421.39734	615.961375	2525.44164	5974.82534	1955.67737	4527.31611	5266.46976	6991.16161
	0.533862	0.544539	1.361347	0.816808	0.816808	0.544539	1.089078	1.089078	0.544539	1.633617
	9.1878	409.53018	390.78738	37.4856	153.69096	363.61032	119.01678	275.51916	320.50188	425.46156
1298.16	1237.4	1368.68	1248.08	1366.44	1316.2	1352.8	1293.84	1293.24	1427.76	1191.12
3.863571	3.866875	3.888295	3.90025	3.881931	3.917261	3.843181	3.850714	3.848928	3.879782	3.918157
1344	1280	1408	1280	1408	1344	1408	1344	1344	1472	1216
4	4	4	4	4	4	4	4	4	4	4
	0.4	17.48	16.68	1.6	6.56	15.52	5.08	11.76	13.68	18.16
	8.007936	8.168087	20.420217	12.25213	12.25213	8.168087	16.336174	16.336174	8.168087	24.504261
	8.007936	8.168087	20.420217	12.25213	12.25213	8.168087	16.336174	16.336174	8.168087	24.504261
	160.158725	7138.9082	6812.18472	653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317
	171.946053	10664.2388	11046.7549	774.541505	3568.53072	17010.9166	2580.98924	9502.03016	14900.598	11207.043
	11.787327	3525.33061	4234.57015	121.09453	889.398121	10672.4809	506.295091	4699.1949	9313.62632	3790.41984
	171.946053	10664.2388	11046.7549	774.541505	3568.53072	17010.9166	2580.98924	9502.03016	14900.598	11207.043

	0.1	4.37	4.17	0.4	1.64	3.88	1.27	2.94	3.42	4.54
	80.079362	6630.66486	4448.03992	620.774626	2679.1326	6109.72922	1806.91123	2650.43473	5180.76784	6893.86559
	85.271349	9986.7035	6913.10465	741.337352	3568.53072	16338.7583	2247.23473	4707.10847	13466.387	10351.786
	0.08	0.078863	0.1967	0.08	0.12	0.08	0.159439	0.076471	0.079634	0.24
	0.2	16.235538	10.891264	1.52	6.56	14.96	4.424319	6.489731	12.685388	16.88
	436.630943	543.567813	497.181873	416.404548		990.961608	487.448386	559.21385	907.284719	593.97548
	8.732618	10.871356	24.859093	4.164045		19.819232	9.748967	22.368554	18.145694	23.759019
	0.4	17.48	16.68	1.6	6.56	15.52	5.08	11.76	13.68	18.16
	0.00125	0.049659	0.052125	0.004545	0.019523	0.04409	0.015119	0.035	0.037173	0.059736
	11.787327	3525.33061	4234.57015	121.09453	889.398121	10672.4809	506.295091	4699.1949	9313.62632	3790.41984
	11.787327	3525.33061	4234.57015	121.09453	889.398121	10672.4809	506.295091	4699.1949	9313.62632	3790.41984
	0.2	1.244461	5.788735	0.08		0.56	0.65568	5.270268	0.994611	1.28
	80.079362	508.243343	2364.1448	32.672348		228.706441	267.782913	2152.40054	406.203793	522.75758
	0.04	4.09	1.7	0.38	1.61	3.73	1.1	1.68	3.2	4.2
	-11.787327	-3525.3306	-4234.5702	-121.09453	-889.39812	-10672.481	-506.29509	-4699.1949	-9313.6263	-3790.4198
	-97.058677	-13512.034	-11147.675	-862.43188	-4457.9288	-27011.239	-2753.5298	-9406.3034	-22780.013	-14142.206
	0.04	0.27	0.71	0.01		0.14	0.16	1.25	0.22	0.31
	38.1248	1536.8856	1457.396	130.0736	457.9049	1020.3617	414.0868	1087.1557	1117.1219	1316.5139
	0.08	0.39	0.78	0.21	0.3	0.31	0.31	0.37	0.29	0.88
	160.158725	7138.9082	6812.18472	653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317
	160.158725	7138.9082	6812.18472	653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317
	160.158725	7138.9082	6812.18472	653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317
	0.4	17.48	16.68	1.6	6.56	15.52	5.08	11.76	13.68	18.16
	160.158725	7138.9082	6812.18472	653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317
10.565313	10.690361	10.45083	10.483301	10.555108	10.568344	10.783943	10.613152	10.480986	10.655251	10.868311
0.513985	0.476751	0.595234	0.568298	0.533626	0.509432	0.424407	0.497302	0.559519	0.473668	0.40114
0.48619	0.453596	0.564616	0.540361	0.503676	0.483848	0.402768	0.472072	0.529029	0.440166	0.373758
352023.408	312986.667	431745.002	377136.228	384567.07	352901.992	310492.089	348760.216	388898.437	357524.141	252573.179
1192.84689	888.885979	1247.75598	1131.08646	1279.66765	1303.52099	1180.6063	1147.98897	1083.7732	1062.58508	891.589644
9572.89	8505.838	11646.464	10132.86	10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29
0.058095	0.052562	0.050738	0.053218	0.058096	0.04863	0.056363	0.052083	0.053958	0.072336	0.072171
98347.9421	87845.5172	118618.729	103633.541	106658.156	98108.5728	86526.6492	95772.4861	106708.961	98103.0719	69649.9956
154000.253	136138.757	188752.208	164904.81	169727.184	156661.316	137688.108	152781.158	170342.522	156654.391	110692.475
3.5012	3.5012	3.5747	3.5747	3.5747	3.5747	3.574699	3.5747	3.5747	3.5747	3.574699

191896.505	171404.173	235422.592	205681.489	211684.442	194716.084	171729.441	190079.653	211785.275	194705.167	138234.346
18545.728	17766.348	19580.604	17754.042	19428.83	18732.076	19464.576	18664.1	18627.182	20004.868	16528.716
55.195619	55.519837	55.626715	55.481381	55.195539	55.750226	55.29709	55.547916	55.438041	54.361054	54.370776
19689.6	18752	20627.2	18752	20627.2	19689.6	20627.2	19689.6	19689.6	21564.8	17814.4
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999	58.6
9572.89	8505.838	11646.464	10132.86	10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29
42.601403	43.409961	42.33175	42.365925	42.613103	42.48133	45.37858	42.744249	42.051779	43.326675	46.688408
37.619289	38.06813	38.004666	38.121476	38.380729	38.418936	39.199358	38.58448	38.1081	38.731726	39.499836
381956.084	341558.767	463895.035	403771.606	417076.653	384400.058	345811.297	373882.392	414109.614	388754.279	284016.971
589367.115	595925.465	1022548.09	859516.399	742296.719	642318.372	695699.624	636430.105	868855.909	846950.886	589716.144
207411.031	254366.698	558653.055	455744.793	325220.066	257918.314	349888.327	262547.713	454746.295	458196.607	305699.173
589367.115	595925.465	1022548.09	859516.399	742296.719	642318.372	695699.624	636430.105	868855.909	846950.886	589716.144
316.48	303.18	334.14	302.97	331.55	319.66	332.16	318.5	317.87	341.38	282.06
			36.429369	3597.68263	4667.82292	4325.65194	142.294274		5.286374	681.531275
			46.206296	6781.82912	8583.31662	10930.4927	209.877213		5.928616	1741.75067
			0.408176	2.575544	1.679841	1.467503	0.336242		0.13	0.786352
			1.000883	101.140469	131.567321	122.393808	4.014195		0.13	19.31687
33.767229	32.214313	41.402874	46.977377	39.297055	36.071375	26.708477	32.481292	37.738732	33.042072	21.438434
28.702144	23.516449	30.224098	37.110026	32.987435	30.573127	20.287045	25.983823	28.304049	26.103237	14.577638
9572.89	8505.838	11646.464	10132.86	10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29
28.490744	26.580743	33.086545	31.665187	29.515414	28.353547	23.602238	27.663458	31.001101	25.793766	21.902269
156004.562	208449.847	496651.046	401575.541	269469.848	206636.963	304660.847	212487.435	398969.521	406918.131	269293.12
156004.562	208449.847	496651.046	401575.541	269469.848	206636.963	304660.847	212487.435	398969.521	406918.131	269293.12
9572.89	8505.838	11646.464	10131.8591	10288.2855	9395.22468	8185.59419	9290.9078	10416.37	9491.976	6638.97313
352023.408	312986.667	431745.002	377136.228	384567.07	352901.992	310492.089	348760.216	388898.437	357524.141	252573.179
				0.09		0.05				
-207411.03	-254366.7	-558653.06	-455744.79	-325220.07	-257918.31	-349888.33	-262547.71	-454746.29	-458196.61	-305699.17
-207411.03	-254366.7	-558653.06	-455791	-332001.9	-266501.63	-360818.82	-262757.59	-454746.29	-458202.54	-307440.92
17.25	14.3	15.05	13.06	14.32	17.79	13.59	16.88	13.67	15.49	14.63
83352.1421	96126.888	103983.165	91771.2118	90603.0527	78935.2149	78703.3073	87359.0357	103722.44	103454.086	72523.5904
1.32	1.26	1.39	1.15	1.25	1.16	1.34	1.08	1.09	1.35	1.33
29932.6764	28572.1002	32150.0328	26598.948	28911.9	26830.2432	30993.5568	24979.8816	25211.1768	31224.852	30762.2616
433362.553	387475.619	525897.044	457940.858	472826.871	435681.409	391038.777	423942.67	469886.388	440032.755	320423.024
433362.553	387475.619	525897.044	457940.858	472826.871	435681.409	391038.777	423942.67	469886.388	440032.755	320423.024

345896.758	307542.93	424174.8	370586.299	381411.626	351377.4	309417.548	342860.811	382127.797	351359.558	248926.821
9572.89	8505.838	11646.464	10132.86	10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29
29932.6764	28572.1002	32150.0328	26598.948	28911.9	26830.2432	30993.5568	24979.8816	25211.1768	31224.852	30762.2616
433362.553	387475.619	525897.044	457940.858	472826.871	435681.409	391038.777	423942.67	469886.388	440032.755	320423.024
6126.6496	5443.73632	7570.2016	6586.359	6753.1269	6192.4148	5400.1922	6041.6993	6770.6405	6169.8689	4327.8885
			0.02	0.16	0.19	0.08	0.01		0.01	0.02
2.85	2.85	4.05	7.35	7.2	4.2	3.6	6	6.75	4.35	3.75
0.075191	0.087345	0.142964	0.172081	0.237137	0.130503	0.120067	0.157906	0.177358	0.135744	0.155547
0.072738	0.086906	0.136732	0.163406	0.225	0.126458	0.117244	0.15494	0.170684	0.131684	0.148947
4019.43096	24170.6762	29085.1756	26053.0286	19447.6917	5597.03208	6650.47801	15799.117	48475.6627	27341.9551	9965.11654
13.029292	66.150755	82.265872	75.583148	63.367259	20.6308	24.970665	46.58934	128.492159	76.089384	32.601004
342.16	389.34	673.82	732.06	1108.8	594.86	577.78	728.84	802.9	678.44	633.92
0.03491	0.022687	0.018607	0.02875	0.034943	0.042113	0.035767	0.02494	0.029464	0.036141	0.02444
5132.4	5840.1	10107.3	10980.9	16632	8922.9	8666.7	10932.6	12043.5	10176.6	9508.8
37498.2906	45581.0611	75411.1273	71531.4415	61841.371	45448.0544	36478.2775	49929.771	63389.1021	54165.7193	46015.6099
1.384094	1.491949	1.837147	2.793413	2.307142	1.655911	1.084522	1.966753	2.414258	1.467099	1.268779
532.288611	3126.00306	3758.98971	4975.87666	8907.30513	2457.38501	2418.69998	4091.73052	9255.82898	5419.05547	2845.81161
4539.78	4378.36	4836.3	4351.2	4755.8	4505.9	4751.74	4586.68	4565.4	4965.8	4151.98
13.51125	13.682375	13.739488	13.5975	13.510795	13.410416	13.499261	13.650833	13.5875	13.494021	13.657828
4704	4480	4928	4480	4928	4704	4928	4704	4704	5152	4256
14	14	14	14	14	14	14	14	14	14	14
342.16	389.34	673.82	732.06	1108.8	594.86	577.78	728.84	802.9	678.44	633.92
21.078521	22.653797	27.86037	42.25261	35.07544	25.080403	16.567015	29.717942	36.350724	22.132294	19.067425
21.078521	22.653797	27.86037	42.25261	35.07544	25.080403	16.567015	29.717942	36.350724	22.132294	19.067425
37613.7906	45675.5611	75726.1273	71709.9415	62124.871	45563.5544	36698.7775	50108.271	63578.1021	54239.2193	46099.6099
52356.6037	67217.1303	139025.628	111834.284	104947.542	73170.5175	130943.224	97546.6941	137093.577	133618.669	126508.573
14742.813	21541.5691	63299.5007	40124.3429	42822.6714	27606.9631	94244.4463	47438.4231	73515.4752	79379.4495	80408.9629
52356.6037	67217.1303	139025.628	111834.284	104947.542	73170.5175	130943.224	97546.6941	137093.577	133618.669	126508.573
53.81	66.54	128.1	150.35	152.95	109.9	104.67	129.34	137.81	102.92	106.74
33594.3597	21504.885	46640.9516	45656.9129	42677.1793	39966.5223	30048.2995	34309.154	15102.4394	26897.2642	36134.4933
46626.5531	30551.4698	83853.2107	68436.0533	64156.319	62905.1521	108377.411	62742.231	27304.2049	73890.1265	101987.769
2.603216	2.340916	3.475038	5.968324	5.682394	3.449544	3.191951	4.759648	4.312953	3.14432	3.160434
306.674092	180.939796	423.220685	400.334889	514.979657	431.034332	416.533334	456.057965	185.844734	317.169635	444.199225
117.821418	123.949493	112.939636	97.853882	79.070026	88.599978	77.589951	83.364996	90.05802	80.33085	83.289903

18.799064	23.535929	29.307894	43.785403	30.714348	16.702621	13.040949	28.344098	39.578954	23.295946	18.323778
342.16	389.34	673.82	732.06	1108.8	594.86	577.78	728.84	802.9	678.44	633.92
1.018333	1.216687	1.914261	2.287687	3.15	1.770416	1.64142	2.169166	2.389583	1.843586	2.085263
14742.813	21541.5691	63299.5007	40124.3429	42822.6714	27606.9631	94244.4463	47438.4231	73515.4752	79379.4495	80408.9629
14742.813	21541.5691	63299.5007	40124.3429	42822.6714	27606.9631	94244.4463	47438.4231	73515.4752	79379.4495	80408.9629
35.485907	208.400203	250.599314	331.72511	593.820342	163.825667	161.246665	272.782034	617.055265	361.270364	189.720774
4019.43096	24170.6762	29085.1756	26053.0286	19447.6917	5597.03208	6650.47801	15799.117	48475.6627	27341.9551	9965.11654
7.35	4.25	8.83	7.25	7.65	7.79	5.23	7.67	3.49	3.74	4.42
-14742.813	-21541.569	-63299.501	-40124.343	-42822.671	-27606.963	-94244.446	-47438.423	-73515.475	-79379.449	-80408.963
-61369.366	-52093.039	-147152.71	-108560.4	-106978.99	-90512.115	-202621.86	-110180.65	-100819.68	-153269.58	-182396.73
0.6	3.32	3.84	2.48	1.57	0.36	0.83	2.93	8.13	3.4	0.67
7284.1039	9978.3744	16680.3312	17600.2483	24057.967	11581.3517	10900.2349	16511.398	21363.8464	16785.4519	13095.8443
0.11	0.09	0.3	0.17	0.27	0.11	0.21	0.17	0.18	0.07	0.08
115.5	94.5	315	178.5	283.5	115.5	220.5	178.5	189	73.5	84
37613.7906	45675.5611	75726.1273	71709.9415	62124.871	45563.5544	36698.7775	50108.271	63578.1021	54239.2193	46099.6099
37613.7906	45675.5611	75726.1273	71709.9415	62124.871	45563.5544	36698.7775	50108.271	63578.1021	54239.2193	46099.6099
37498.2906	45581.0611	75411.1273	71531.4415	61841.371	45448.0544	36478.2775	49929.771	63389.1021	54165.7193	46015.6099
342.16	389.34	673.82	732.06	1108.8	594.86	577.78	728.84	802.9	678.44	633.92
115.5	94.5	315	178.5	283.5	115.5	220.5	178.5	189	73.5	84
37613.7906	45675.5611	75726.1273	71709.9415	62124.871	45563.5544	36698.7775	50108.271	63578.1021	54239.2193	46099.6099
			1.66	1.88	0.76	1.43	1.43	0.28	0.38	0.39
11.136432	11.250869	11.06467	11.124885	11.224458	11.186483	11.38175	11.237553	11.120839	11.272371	11.486208
0.393741	0.371437	0.457634	0.452365	0.455175	0.40462	0.359684	0.412197	0.447915	0.389414	0.35652
0.379696	0.353884	0.441062	0.436551	0.437123	0.389724	0.346809	0.396657	0.430454	0.373645	0.341189
1741654.28	1763673.43	2400757.67	2131737.92	1960388.1	1601590.04	1509824.34	1838437.61	2253057.95	2053773.3	1388649.49
5886.63813	4987.92247	6923.58153	6357.52845	6504.00147	5906.92033	5731.91227	5991.12099	6246.64862	6081.04004	4868.63574
46833.874	41571.488	56993.744	51282.588	56484.754	48070.752	44814.504	48925.992	53094.68	50476.874	38076.162
0.034604	0.032755	0.031844	0.033488	0.035056	0.03359	0.0351	0.036369	0.035676	0.035019	0.037828
511689.922	457125.446	620776.55	562202.146	624642.519	529442.788	499977.356	540229.456	583275.61	559316.269	428024.847
1083502.88	1042302.39	1576046.81	1435325.59	1324999.35	1153600.53	1035955.02	1160630.54	1345436.93	1243557.98	976695.895
3.485907	3.565279	3.737623	3.732725	3.453756	3.530987	3.454112	3.500118	3.606779	3.527716	3.524422
804379.655	710642.277	943629.221	827596.956	868485.495	801936.893	757253.169	795769.904	853330.418	841768.547	628058.131
19686.3385	43670.3853	64334.518	69892.7801	90236.7554	27772.1446	29237.2677	56163.7758	92618.1649	66009.7445	37147.5917
118702.238	111982.073	124619.774	113269.152	124126.99	118695.386	124494.296	118711.39	118725.012	129630.873	106686.591

353.28047	349.943978	354.033448	353.9661	352.633494	353.260077	353.676977	353.307708	353.34825	352.257807	350.942733
123345.6	117472	129219.2	117472	129219.2	123345.6	129219.2	123345.6	123345.6	135092.8	111598.4
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46833.874	41571.488	56993.744	51282.588	56484.754	48070.752	44814.504	48925.992	53094.68	50476.874	38076.162
205.355052	244.346426	275.414546	374.055113	287.994868	280.113056	222.37339	299.525828	325.138552	245.42361	295.724959
40.471155	41.762448	43.205601	43.416954	40.721609	41.261467	41.116782	41.214514	42.063807	41.56873	42.252688
2020580.8	1876620.59	2687594.53	2415610.56	2368701.98	2098429.46	1932161.83	2102859.47	2354723.64	2238646.19	1731314.69
3042398.61	3048653.98	5576414.33	4682317.86	4025945.73	3340710.98	4125602.73	3569763.46	4791733.68	4746051.36	3674294.24
1021817.82	1172033.39	2888819.8	2266707.3	1657243.74	1242281.52	2193440.9	1466903.99	2437010.03	2507405.18	1942979.55
3042398.61	3048653.98	5576414.33	4682317.86	4025945.73	3340710.98	4125602.73	3569763.46	4791733.68	4746051.36	3674294.24
1207.03	1150.76	1595.31	1593.88	1653.92	1446.06	1440.1	1486.34	1563.35	1515.67	1270.8
236673.944	73251.3843	241197.378	244857.054	365294.054	454718.626	377855.6	225536.84	63477.1062	137122.76	298867.816
348279.614	104020.053	419316.182	370863.559	586156.858	783519.5	1210187.52	405614.91	111952.458	384141.122	782345.08
4.556727	1.095796	1.857307	4.033735	5.368419	5.223128	4.254655	4.124444	1.743837	1.729452	3.054542
2653.18565	629.650891	1969.41129	2442.25633	5935.9432	6614.66574	6044.63611	3284.86689	655.828787	1292.37909	3886.24218
42.783734	44.518496	56.736403	58.496147	46.989074	40.792719	32.412626	44.895645	56.443447	43.61251	32.983751
42.732958	44.513599	56.660737	58.375658	46.885072	40.716103	32.275821	44.885951	56.429627	43.611945	32.943776
46833.874	41571.488	56993.744	51282.588	56484.754	48070.752	44814.504	48925.992	53094.68	50476.874	38076.162
139.386529	129.9109	161.914045	160.258087	160.468051	143.067714	127.313931	145.613071	158.01988	137.165418	125.250532
780029.678	960686.41	2612503.41	2023925.83	1401059.99	1005629.66	1970428.75	1232140.13	2185900.33	2259232.62	1758621.9
780029.678	960686.41	2612503.41	2023925.83	1401059.99	1005629.66	1970428.75	1232140.13	2185900.33	2259232.62	1758621.9
44180.6884	40941.8371	55024.3327	48840.3317	50548.8108	41456.0863	38769.8679	45641.1251	52438.8512	49184.4949	34189.9198
1741654.28	1763673.43	2400757.67	2131737.92	1960388.1	1601590.04	1509824.34	1838437.61	2253057.95	2053773.3	1388649.49
45.2	19.8	46.72	44.09	67.88	63.01	50.41	49.54	23.75	31.82	46.71
-1021817.8	-1172033.4	-2888819.8	-2266707.3	-1657243.7	-1242281.5	-2193440.9	-1466904	-2437010	-2507405.2	-1942979.5
-1370097.4	-1276053.4	-3308136	-2637570.9	-2243400.6	-2025801	-3403628.4	-1872518.9	-2548962.5	-2891546.3	-2725324.6
283.33	299.49	305.16	266.84	259.06	242.67	275.19	275.23	311	334.52	249.17
	0.00909									
302067.952	339758.8	412011.333	374307.804	388633.831	299673.955	302936.464	349782.835	424423.908	408978.953	291999.704
3.77	3.81	5.9	6.19	5.12	4.8	5.48	5.06	5.24	4.96	6.32
42708.0858	40256.5965	46746.8152	39768.1399	43985.1615	42578.1475	45374.2551	39704.2745	39035.3137	48089.7012	44286.4442
2262368.94	2087967.57	2963910.92	2658392.03	2624885.73	2335081.32	2155173.98	2337623.33	2605833.35	2486818.74	1915672.33
2262368.94	2087967.57	2963910.92	2658392.03	2624885.73	2335081.32	2155173.98	2337623.33	2605833.35	2486818.74	1915672.33
1887882.54	1752944.67	2519676.03	2262922.55	2193484.84	1955537.42	1793208.19	1956400.45	2198767.35	2085326.53	1604754.03
46833.874	41571.488	56993.744	51282.588	56484.754	48070.752	44814.504	48925.992	53094.68	50476.874	38076.162

42708.0858	40256.5965	46746.8152	39768.1399	43985.1615	42578.1475	45374.2551	39704.2745	39035.3137	48089.7012	44286.4442
2262368.94	2087967.57	2963910.92	2658392.03	2624885.73	2335081.32	2155173.98	2337623.33	2605833.35	2486818.74	1915672.33
89990.1763	83419.3253	121171.691	112919.87	131231.977	100313.888	93579.3906	106754.744	116920.981	105229.954	82274.2175
7.33		0.12	8.87	24.78	30.22	26.23	11.01	1.19	1.42	7.37

4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
869297.613	1366406.79	1457849.74	1123411.23	816685.259	572170.183	488663.131	928638.755	1804387.52	1561119.87	420636.427
2917.41045	3857.9455	4177.06897	3347.61265	2698.33176	2105.58475	1846.0049	2953.38758	4939.43997	4532.51119	1448.54279
-99367.58	-112625.53	-122077.67	-106704.14	-105482.27	-90908.958	-92727.541	-102695.57	-120114.51	-124044.73	-86675.968
99367.5799	112625.534	122077.669	106704.137	105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683
869297.613	1366406.79	1457849.74	1123411.23	816685.259	572170.183	488663.131	928638.755	1804387.52	1561119.87	420636.427
282.62	299.84	304.67	266.4	258.49	242.11	274.75	274.71	310.53	334.35	249.56
211.716729	267.456744	245.368109	246.645889	209.688476	188.624051	185.237709	247.003345	294.107874	291.012782	226.864092
113.709604	168.746913	135.60727	132.289277	106.711276	96.485832	105.267292	128.635	164.97729	166.73166	131.018417
35818.6298	52827.3163	45428.7363	38696.1837	32472.0552	26843.4041	32600.4572	39471.2644	53602.2263	59331.2447	37544.6825
-99367.58	-112625.53	-122077.67	-106704.14	-105482.27	-90908.958	-92727.541	-102695.57	-120114.51	-124044.73	-86675.968
-295.73684	-351.95479	-346.81156	-333.45043	-299.66553	-270.56238	-263.43051	-305.64158	-357.48366	-337.07808	-285.11832
-4440583.2	-5164896.2	-8017830.1	-6590818.6	-5381402.1	-4188012.8	-4403687.6	-4926209	-7293056.1	-6750749.6	-3987752.5
-44.702055	-45.62087	-65.634801	-61.384509	-50.88324	-46.046748	-47.598973	-48.094086	-60.946575	-54.874057	-46.098008
-4440583.2	-5164896.2	-8017830.1	-6590818.6	-5381402.1	-4188012.8	-4403687.6	-4926209	-7293056.1	-6750749.6	-3987752.5
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
5309880.77	6531303.04	9475679.85	7714229.83	6198087.33	4760182.99	4892350.71	5854847.74	9097443.62	8311869.49	4408388.93
99367.5799	112625.534	122077.669	106704.137	105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51

4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
869297.613	1366406.79	1457849.74	1123411.23	816685.259	572170.183	488663.131	928638.755	1804387.52	1561119.87	420636.427
2917.41045	3857.9455	4177.06897	3347.61265	2698.33176	2105.58475	1846.0049	2953.38758	4939.43997	4532.51119	1448.54279
-99367.58	-112625.53	-122077.67	-106704.14	-105482.27	-90908.958	-92727.541	-102695.57	-120114.51	-124044.73	-86675.968
99367.5799	112625.534	122077.669	106704.137	105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683
869297.613	1366406.79	1457849.74	1123411.23	816685.259	572170.183	488663.131	928638.755	1804387.52	1561119.87	420636.427
282.62	299.84	304.67	266.4	258.49	242.11	274.75	274.71	310.53	334.35	249.56

211.716729	267.456744	245.368109	246.645889	209.688476	188.624051	185.237709	247.003345	294.107874	291.012782	226.864092
113.709604	168.746913	135.60727	132.289277	106.711276	96.485832	105.267292	128.635	164.97729	166.73166	131.018417
35818.6298	52827.3163	45428.7363	38696.1837	32472.0552	26843.4041	32600.4572	39471.2644	53602.2263	59331.2447	37544.6825
-99367.58	-112625.53	-122077.67	-106704.14	-105482.27	-90908.958	-92727.541	-102695.57	-120114.51	-124044.73	-86675.968
-295.73684	-351.95479	-346.81156	-333.45043	-299.66553	-270.56238	-263.43051	-305.64158	-357.48366	-337.07808	-285.11832
-4440583.2	-5164896.2	-8017830.1	-6590818.6	-5381402.1	-4188012.8	-4403687.6	-4926209	-7293056.1	-6750749.6	-3987752.5
-44.702055	-45.62087	-65.634801	-61.384509	-50.88324	-46.046748	-47.598973	-48.094086	-60.946575	-54.874057	-46.098008
-4440583.2	-5164896.2	-8017830.1	-6590818.6	-5381402.1	-4188012.8	-4403687.6	-4926209	-7293056.1	-6750749.6	-3987752.5
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
5309880.77	6531303.04	9475679.85	7714229.83	6198087.33	4760182.99	4892350.71	5854847.74	9097443.62	8311869.49	4408388.93
99367.5799	112625.534	122077.669	106704.137	105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51

357016.274	345847.468									
1211.98609	986.010714									
6446.66438	6244.98859	7109.88178	6707.20149	7348.39871	7535.25334	7308.98476	5633.941	4331.30521	4668.98192	4950.62321
287493	282475.139	462395.589	405918.671	368379.295	347102.214	342960.251	264148.159	251387.49	248844.864	223180.084
6446.66438	6244.98859	7109.88178	6707.20149	7348.39871	7535.25334	7308.98476	5633.941	4331.30521	4668.98192	4950.62321
19.186501	19.515589	20.198527	20.960004	20.876132	22.426349	20.764161	16.767681	12.890789	12.68745	16.284944
-69523.273	-63372.329	462395.589	405918.671	368379.295	347102.214	342960.251	264148.159	251387.49	248844.864	223180.084
-69523.273	-63372.329	462395.589	405918.671	368379.295	347102.214	342960.251	264148.159	251387.49	248844.864	223180.084
6446.66438	6244.98859	7109.88178	6707.20149	7348.39871	7535.25334	7308.98476	5633.941	4331.30521	4668.98192	4950.62321
357016.274	345847.468									
69523.2733	63372.3288	-462395.59	-405918.67	-368379.3	-347102.21	-342960.25	-264148.16	-251387.49	-248844.86	-223180.08
69523.2733	63372.3288	-462395.59	-405918.67	-368379.3	-347102.21	-342960.25	-264148.16	-251387.49	-248844.86	-223180.08
99367.5799	112625.534	122077.669	106704.137	105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683
357016.274	345847.468									

357016.274	345847.468									
6446.66438	6244.98859	7109.88178	6707.20149	7348.39871	7535.25334	7308.98476	5633.941	4331.30521	4668.98192	4950.62321
357016.274	345847.468									
357016.274	345847.468									
6446.66438	6244.98859	7109.88178	6707.20149	7348.39871	7535.25334	7308.98476	5633.941	4331.30521	4668.98192	4950.62321
287493	282475.139	462395.589	405918.671	368379.295	347102.214	342960.251	264148.159	251387.49	248844.864	223180.084
-69523.273	-63372.329	462395.589	405918.671	368379.295	347102.214	342960.251	264148.159	251387.49	248844.864	223180.084
357016.274	345847.468									
335962.703	325383.162									
1140.52554	927.675556									
7242.1363	7014.07979	7988.00811	7537.13634	8255.16916	8476.60047	8214.24582	6318.01991	4874.4106	5251.2342	5557.62498
323009.562	317174.778	519478.518	456215.176	413763.314	390219.287	385548.33	296196.616	283222.682	279984.999	250479.879
14.268895	19.849276		24.085761	22.124982	27.176201	16.756146	33.288447	31.345952	39.245751	21.932397
0.285377	2.18342		0.481715	1.106249	0.543524	0.335122	1.331537	0.313459	1.962287	1.535267
7242.1363	7014.07979	7988.00811	7537.13634	8255.16916	8476.60047	8214.24582	6318.01991	4874.4106	5251.2342	5557.62498
21.553977	21.918999	22.693204	23.553551	23.452185	25.227977	23.335925	18.80363	14.507174	14.269658	18.281661
-12953.141	-8208.384	519478.518	456215.176	413763.314	390219.287	385548.33	296196.616	283222.682	279984.999	250479.879
-12953.141	-8208.384	519478.518	456215.176	413763.314	390219.287	385548.33	296196.616	283222.682	279984.999	250479.879
7242.1363	7014.07979	7988.00811	7537.13634	8255.16916	8476.60047	8214.24582	6318.01991	4874.4106	5251.2342	5557.62498
335962.703	325383.162									
12953.1408	8208.38404	-519478.52	-456215.18	-413763.31	-390219.29	-385548.33	-296196.62	-283222.68	-279985	-250479.88
12953.1408	8208.38404	-519478.52	-456215.18	-413763.31	-390219.29	-385548.33	-296196.62	-283222.68	-279985	-250479.88
0.14	0.71		0.2	0.28	0.1	0.17	0.22	0.06	0.24	0.75
99367.5799	112625.534	122077.669	106704.137	105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683
335962.703	325383.162									
335962.703	325383.162									
7242.1363	7014.07979	7988.00811	7537.13634	8255.16916	8476.60047	8214.24582	6318.01991	4874.4106	5251.2342	5557.62498
335962.703	325383.162									
335962.703	325383.162									
7242.1363	7014.07979	7988.00811	7537.13634	8255.16916	8476.60047	8214.24582	6318.01991	4874.4106	5251.2342	5557.62498
323009.562	317174.778	519478.518	456215.176	413763.314	390219.287	385548.33	296196.616	283222.682	279984.999	250479.879
-12953.141	-8208.384	519478.518	456215.176	413763.314	390219.287	385548.33	296196.616	283222.682	279984.999	250479.879
335962.703	325383.162									

125192.819	144712.789									
425.269528	411.960379									
2443.74038	2824.76653	3194.33662	2634.56064	3291.33826	3097.09745	2876.28262	3092.13646	2951.40289	3486.96439	2148.2045
111444.301	126406.329	202825.034	155083.094	160208.605	145565.182	131192.088	146478.968	167725.031	184410.403	95289.7831
2443.74038	2824.76653	3194.33662	2634.56064	3291.33826	3097.09745	2876.28262	3092.13646	2951.40289	3486.96439	2148.2045
7.273036	8.827395	9.074819	8.233001	9.350392	9.217551	8.171257	9.202787	8.783937	9.475446	7.066462
-13748.518	-18306.46	202825.034	155083.094	160208.605	145565.182	131192.088	146478.968	167725.031	184410.403	95289.7831
-13748.518	-18306.46	202825.034	155083.094	160208.605	145565.182	131192.088	146478.968	167725.031	184410.403	95289.7831
2443.74038	2824.76653	3194.33662	2634.56064	3291.33826	3097.09745	2876.28262	3092.13646	2951.40289	3486.96439	2148.2045
125192.819	144712.789									
13748.5184	18306.4601	-202825.03	-155083.09	-160208.6	-145565.18	-131192.09	-146478.97	-167725.03	-184410.4	-95289.783
13748.5184	18306.4601	-202825.03	-155083.09	-160208.6	-145565.18	-131192.09	-146478.97	-167725.03	-184410.4	-95289.783
99367.5799	112625.534	122077.669	106704.137	105482.265	87926.8094	92727.5407	102695.572	120114.509	124044.733	86675.9683
125192.819	144712.789									
125192.819	144712.789									
2443.74038	2824.76653	3194.33662	2634.56064	3291.33826	3097.09745	2876.28262	3092.13646	2951.40289	3486.96439	2148.2045
125192.819	144712.789									
125192.819	144712.789									
2443.74038	2824.76653	3194.33662	2634.56064	3291.33826	3097.09745	2876.28262	3092.13646	2951.40289	3486.96439	2148.2045
111444.301	126406.329	202825.034	155083.094	160208.605	145565.182	131192.088	146478.968	167725.031	184410.403	95289.7831
-13748.518	-18306.46	202825.034	155083.094	160208.605	145565.182	131192.088	146478.968	167725.031	184410.403	95289.7831
125192.819	144712.789									
303737.102	260258.882									
1032.85517	742.905185									
3235.7207	2772.54589	3332.37318	2288.72362	3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327
146572.477	120281.487	208192.204	129787.469	172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501
3235.7207	2772.54589	3332.37318	2288.72362	3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327
9.630121	8.664205	9.466969	7.152261	10.132083	10.418204	8.402563	7.5568	5.70331	5.765796	7.516162
-157164.63	-139977.4	208192.204	129787.469	172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501
-157164.63	-139977.4	208192.204	129787.469	172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501
3235.7207	2772.54589	3332.37318	2288.72362	3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327
303737.102	260258.882									
157164.625	139977.396	-208192.2	-129787.47	-172162.01	-166497.42	-131306.48	-117829.45	-97262.177	-105300.49	-99440.95
157164.625	139977.396	-208192.2	-129787.47	-172162.01	-166497.42	-131306.48	-117829.45	-97262.177	-105300.49	-99440.95

99367.5799	112625.534	122077.669	102260.982	105482.265	90908.9583	92478.2089	102207.8	120114.509	124044.733	86675.9683
303737.102	260258.882									
303737.102	260258.882									
3235.7207	2772.54589	3332.37318	2288.72362	3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327
303737.102	260258.882									
303737.102	260258.882									
3235.7207	2772.54589	3332.37318	2288.72362	3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327
146572.477	120281.487	208192.204	129787.469	172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501
-157164.63	-139977.4	208192.204	129787.469	172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501
303737.102	260258.882									
1121908.9	1076202.3									
3810.63633	3068.55184									
19368.2618	18856.3808	21624.5997	19167.6221	22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366
868519.34	846337.733	1392891.34	1147004.41	1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697
14.268895	19.849276		24.085761	22.124982	27.176201	16.756146	33.288447	31.345952	39.245751	21.932397
0.285377	2.18342		0.481715	1.106249	0.543524	0.335122	1.331537	0.313459	1.962287	1.535267
19368.2618	18856.3808	21624.5997	19167.6221	22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366
57.643636	58.92619	61.433521	59.898818	63.810793	67.290083	60.673907	52.330899	41.885211	42.198352	49.14923
-253389.56	-229864.57	1392891.34	1147004.41	1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697
-253389.56	-229864.57	1392891.34	1147004.41	1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697
19368.2618	18856.3808	21624.5997	19167.6221	22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366
1121908.9	1076202.3									
253389.558	229864.569	-1392891.3	-1147004.4	-1114513.2	-1049384.1	-991007.15	-824653.2	-799597.38	-818540.75	-668390.7
253389.558	229864.569	-1392891.3	-1147004.4	-1114513.2	-1049384.1	-991007.15	-824653.2	-799597.38	-818540.75	-668390.7
0.14	0.71		0.2	0.28	0.1	0.17	0.22	0.06	0.24	0.75
397470.32	450502.137	488310.675	422373.394	421929.062	360653.684	370660.831	410294.516	480458.034	496178.933	346703.873
1121908.9	1076202.3									
1121908.9	1076202.3									
19368.2618	18856.3808	21624.5997	19167.6221	22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366
1121908.9	1076202.3									
1121908.9	1076202.3									
19368.2618	18856.3808	21624.5997	19167.6221	22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366
868519.34	846337.733	1392891.34	1147004.41	1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697
-253389.56	-229864.57	1392891.34	1147004.41	1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697

1121908.9 1076202.3

11.136432	11.250869	11.06467	11.124885	11.224458	11.186483	11.38175	11.237553	11.120839	11.272371	11.486208
0.393741	0.371437	0.457634	0.452365	0.455175	0.40462	0.359684	0.412197	0.447915	0.389414	0.35652
0.379696	0.353884	0.441062	0.436551	0.437123	0.389724	0.346809	0.396657	0.430454	0.373645	0.341189
4440583.15	5164896.25	8017830.11	6590818.6	5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51
3732860.79	4206282.52	3858607.41	3255149.15	2777073.35	2173760.22	1998487.47	2767076.36	4057445.46	3614893.18	1809285.92
12614.6849	11914.4198	11100.6505	9705.1411	9202.33323	8012.50508	7577.91717	8944.50857	11186.0886	10613.5512	6317.17852
-33165.444	-52197.665	-43459.325	-36253.927	-26536.112	-20228.738	-26555.821	-36186.398	-52946.397	-58038.866	-33658.44
3692542.32	3516706.97									
0.034604	0.032755	0.031844	0.033488	0.035056	0.03359	0.0351	0.036369	0.035676	0.035019	0.037828
511689.922	457125.446	620776.55	562202.146	624642.519	529442.788	499977.356	540229.456	583275.61	559316.269	428024.847
1083502.88	1042302.39	1576046.81	1435325.59	1324999.35	1153600.53	1035955.02	1160630.54	1345436.93	1243557.98	976695.895
3.485907	3.565279	3.737623	3.732725	3.453756	3.530987	3.454112	3.500118	3.606779	3.527716	3.524422
804379.655	710642.277	943629.221	827596.956	868485.495	801936.893	757253.169	795769.904	853330.418	841768.547	628058.131
19686.3385	43670.3853	64334.518	69892.7801	90236.7554	27772.1446	29237.2677	56163.7758	92618.1649	66009.7445	37147.5917
118702.238	111982.073	124619.774	113269.152	124126.99	118695.386	124494.296	118711.39	118725.012	129630.873	106686.591
353.28047	349.943978	354.033448	353.9661	352.633494	353.260077	353.676977	353.307708	353.34825	352.257807	350.942733
123345.6	117472	129219.2	117472	129219.2	123345.6	129219.2	123345.6	123345.6	135092.8	111598.4
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46833.874	41571.488	56993.744	51282.588	56484.754	48070.752	44814.504	48925.992	53094.68	50476.874	38076.162
205.355052	244.346426	275.414546	374.055113	287.994868	280.113056	222.37339	299.525828	325.138552	245.42361	295.724959
40.471155	41.762448	43.205601	43.416954	40.721609	41.261467	41.116782	41.214514	42.063807	41.56873	42.252688
2020580.8	1876620.59	2687594.53	2415610.56	2368701.98	2098429.46	1932161.83	2102859.47	2354723.64	2238646.19	1731314.69
3042398.61	3048653.98	5576414.33	4682317.86	4025945.73	3340710.98	4125602.73	3569763.46	4791733.68	4746051.36	3674294.24
99367.5799	112625.534	122077.669	106704.137	105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683
1021817.82	1172033.39	2888819.8	2266707.3	1657243.74	1242281.52	2193440.9	1466903.99	2437010.03	2507405.18	1942979.55
3910917.95	3894991.71	6969305.67	5829322.27	5140458.95	4390095.09	5116609.88	4394416.66	5591331.06	5564592.12	4342684.93
1207.03	1150.76	1595.31	1593.88	1653.92	1446.06	1440.1	1486.34	1563.35	1515.67	1270.8
236673.944	73251.3843	241197.378	244857.054	365294.054	454718.626	377855.6	225536.84	63477.1062	137122.76	298867.816
34.086783	34.769354	48.194317	45.217396	38.007948	34.911547	35.933809	35.682419	43.875413	40.276553	34.630909
869297.613	1366406.79	1457849.74	1123411.23	816685.259	572170.183	488663.131	928638.755	1804387.52	1561119.87	420636.427
282.62	299.84	304.67	266.4	258.49	242.11	274.75	274.71	310.53	334.35	249.56

211.716729	267.456744	245.368109	246.645889	209.688476	188.624051	185.237709	247.003345	294.107874	291.012782	226.864092
9.4758	10.546682	8.475454	8.268079	6.669454	6.030364	6.579205	8.039687	10.31108	10.420728	8.188651
35,819	52,827	45,429	38,696	32,472	26,843	32,600	39,471	53,602	59,331	37,545
348279.614	104020.053	419316.182	370863.559	586156.858	783519.5	1210187.52	405614.91	111952.458	384141.122	782345.08
2.658091	0.753359	1.276898	2.773193	3.690788	3.590901	2.925075	2.835555	1.198888	1.188998	2.099998
2,653	630	1,969	2,442	5,936	6,615	6,045	3,285	656	1,292	3,886
42.785805	44.460721	56.736403	58.499172	47.0036	40.798806	32.411965	44.869673	56.418709	43.580681	32.94751
42.735029	44.455824	56.660737	58.378683	46.899613	40.724707	32.275159	44.859991	56.404988	43.580118	32.911064
-33165.444	-52197.665	-43459.325	-36253.927	-26536.112	-20228.738	-26555.821	-36186.398	-52946.397	-58038.866	-33658.44
-98.706678	-163.1177	-123.46399	-113.29352	-75.386681	-60.204578	-75.442673	-107.69761	-157.57856	-157.71431	-110.71855
-7606485.3	-7950781.4	-4012435.4	-3419888.4	-2865828.9	-2132999	-1442251.7	-2869415.7	-4307558.4	-3672976.2	-1560739.9
-76.569345	-70.533686	-32.880266	-31.991716	-27.123756	-23.463089	-15.522631	-27.947456	-35.891238	-29.525253	-17.957977
-7606485.3	-7950781.4	-4012435.4	-3419888.4	-2865828.9	-2132999	-1442251.7	-2869415.7	-4307558.4	-3672976.2	-1560739.9
63548.9501	59798.2179	76648.9324	68007.9537	73010.2102	64065.5542	60127.0835	63224.3075	66512.2823	64713.4885	49131.2858
2863563.18	2839875.73	2400757.67	2131737.92	1960388.1	1601590.04	1509824.34	1838437.61	2253057.95	2053773.3	1388649.49
7364697.21	7739434.4	3736118.96	3177106.89	2609645.1	1896347.17	1219239.53	2634651.8	4056448.69	3424803.68	1376382.26
7885715.21	9001821.14	4774652.53	3929654.56	2840173.5	1684997.86	497715.134	3157675.64	5748883.75	4601782.44	1014673.61
	0.00909									
798905.852	902886.471	1022399.68	903385.335	916045.158	751236.598	766324.836	862772.922	1024996.45	1029202.62	725379.545
3.77	3.81	5.9	6.19	5.12	4.8	5.48	5.06	5.24	4.96	6.32
42708.0858	40256.5965	46746.8152	39768.1399	43985.1615	42578.1475	45374.2551	39704.2745	39035.3137	48089.7012	44286.4442
11517403.3	11845773.1	10981741	9249210.63	8006287.8	6523094.12	6558861.56	7263832.32	9898889.46	9237568.36	5903424.84
7824860.99	8329066.12	10981741	9249210.63	8006287.8	6523094.12	6558861.56	7263832.32	9898889.46	9237568.36	5903424.84
1887882.54	1752944.67	2519676.03	2262922.55	2193484.84	1955537.42	1793208.19	1956400.45	2198767.35	2085326.53	1604754.03
66202.1358	60427.8688	78618.3437	70450.2101	78946.1534	70680.22	66171.7196	66509.1744	67168.1111	66005.8676	53017.528
42708.0858	40256.5965	46746.8152	39768.1399	43985.1615	42578.1475	45374.2551	39704.2745	39035.3137	48089.7012	44286.4442
7824860.99	8329066.12	10981741	9249210.63	8006287.8	6523094.12	6558861.56	7263832.32	9898889.46	9237568.36	5903424.84
89990.1763	83419.3253	121171.691	112919.87	131231.977	100313.888	93579.3906	106754.744	116920.981	105229.954	82274.2175
1121908.9	1076202.3									
19368.2618	18856.3808	21624.5997	19167.6221	22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366
868519.34	846337.733	1392891.34	1147004.41	1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697
-253389.56	-229864.57	1392891.34	1147004.41	1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697
1121908.9	1076202.3									

2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07	2036-08
45.733653	45.547503	46.478273	66.083543	61.579783	50.789513	46.191923	47.787013	47.411693	59.797043	54.354993
20.680486	20.680513	20.680565	20.725787	20.725799	20.725875	20.725799	20.725812	20.725837	20.72585	20.725812
45.606845	45.420695	46.351465	65.957665	61.453905	50.663635	46.066045	47.661135	47.285815	59.671165	54.229115
45.704389	45.518239	46.449009	66.054494	61.550734	50.760464	46.162874	47.757964	47.382644	59.767994	54.325944
44.972803	44.786653	45.717423	65.328276	60.824516	50.034246	45.436656	47.031746	46.656426	59.041776	53.599726
45.255683	45.069533	46.000303	65.60908	61.10532	50.31505	45.71746	47.31255	46.93723	59.32258	53.88053
45.68488	45.49873	46.4295	66.035128	61.531368	50.741098	46.143508	47.738598	47.363278	59.748628	54.306578
45.723898	45.537748	46.468518	66.07386	61.5701	50.77983	46.18224	47.77733	47.40201	59.78736	54.34531

25.665057	25.665057	25.665057	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358
1.59	1.59	1.59	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
45.42151	45.23536	46.16613	65.77369	61.26993	50.47966	45.88207	47.47716	47.10184	59.48719	54.04514
5.906555	6.914022	7.808756	7.735353	7.828369	6.900012	6.197728	5.787219	5.767876	5.787877	5.793503
34.828813	34.788671	35.48375	48.599603	45.604848	38.333978	35.210388	36.239574	35.98775	44.246318	40.618751
34.828813	34.788671	35.48375	48.599603	45.604848	38.333978	35.210388	36.239574	35.98775	44.246318	40.618751
0.27788	0.41682	0.27788	0.6947	0.6947	0.55576	0.27788	0.55576	0.27788	1.11152	0.6947
0.001545	0.007335	0.003611	0.010502	0.011662	0.003413	0.003294	0.008638	0.005	0.009242	0.011772
0.001545	0.006984	0.003611	0.010454	0.011613	0.003359	0.00308	0.007645	0.005	0.009242	0.011772
	1472.42493	3049.36542	13970.6552	9396.06218	199.609275			3547.87269	20705.5662	21564.9163
	4.680108	8.266391	38.983473	26.834714	0.61373			9.55275	49.910508	54.382248
12.8	52.8	26	82.8	87.8	25.4	24.4	57.8	37.8	73.2	89
0.02269	0.039761	0.029468	0.024715	0.032351	0.027321	0.027045	0.02863	0.028422	0.02625	0.032916
177.8432	733.6032	361.244	1150.4232	1219.8932	352.9076	339.0136	803.073199	525.1932	1017.0408	1236.566
4564.35592	18827.9682	9271.34796	30116.1909	31934.8015	9238.54165	8874.81954	21023.1381	13748.6958	26624.4586	32371.268
0.544501	0.816751	0.544501	1.388417	1.388417	1.110734	0.555367	1.110734	0.555367	2.221468	1.388417
277.435392	1144.42099	563.54064	1829.17289	1939.63019	561.123084	539.031624	1276.88639	835.057188	1617.09487	1966.13994
8092.125	7259.4	6987.825	7724.25	7315.425	7353.45	7705.8	7343.55	7345.125	7712.1	7311.15
21.98947	21.605357	21.836953	21.943892	21.772098	21.885267	21.891477	21.855803	21.860491	21.909375	21.759375
8280	7560	7200	7920	7560	7560	7920	7560	7560	7920	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
12.8	52.8	26	82.8	87.8	25.4	24.4	57.8	37.8	73.2	89
7.691458	11.438199	7.600375	19.442393	19.477223	15.705978	7.751889	15.854483	7.7542	31.173543	19.449949
7.691458	11.438199	7.600375	19.442393	19.477223	15.705978	7.751889	15.854483	7.7542	31.173543	19.449949
4907.02011	20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429	28445.5647	34481.8858
5690.70376	23985.2944	12039.3859	37742.8476	42580.0371	11714.9951	11505.3629	33755.8792	20012.9308	34830.7233	43088.1103
783.683649	3889.27649	2154.90215	5614.77228	8539.17978	1841.88066	2043.28779	11310.3932	5360.98787	6385.15858	8606.22451

5690.70376	23985.2944	12039.3859	37742.8476	42580.0371	11714.9951	11505.3629	33755.8792	20012.9308	34830.7233	43088.1103
0.68	8.94	6.26	12.57	16.87	9.53	6.68	6.2	6.26	24.22	13.67
4907.02011	18623.593	6835.11837	18157.42	24644.7952	9673.50516	9462.07506	22445.486	11104.0702	7739.99854	12916.9695
5690.70376	22256.4511	8276.94382	20845.1384	30766.4698	11500.9605	11505.3629	33755.8792	14908.9901	9210.5348	15625.2199
0.4	0.588144	0.344248	0.939978	0.951161	0.788736	0.4	0.8	0.385907	1.306572	0.821943
12.8	48.953031	17.969541	46.728411	63.570442	24.884618	24.4	57.8	28.639555	19.852735	33.320378
	381.222447	383.797065	396.392853	391.740819	395.165967			391.243374	396.835038	392.501997
	7.624448	7.675941	19.819642	15.669632	7.903319			7.824867	31.737686	19.625099
12.8	52.8	26	82.8	87.8	25.4	24.4	57.8	37.8	73.2	89
0.034782	0.157142	0.08125	0.235227	0.261309	0.075595	0.069318	0.172023	0.1125	0.207954	0.26488
783.683649	3889.27649	2154.90215	5614.77228	8539.17978	1841.88066	2043.28779	11310.3932	5360.98787	6385.15858	8606.22451
783.683649	3889.27649	2154.90215	5614.77228	8539.17978	1841.88066	2043.28779	11310.3932	5360.98787	6385.15858	8606.22451
	3.846968	8.030458	36.071588	24.229557	0.515381			9.160444	53.347264	55.679621
	1472.42493	3049.36542	13970.6552	9396.06218	199.609275			3547.87269	20705.5662	21564.9163
0.25	0.66	0.27	1.03	0.8	0.39	0.32	0.32	0.21	0.44	0.58
-783.68365	-3889.2765	-2154.9021	-5614.7723	-8539.1798	-1841.8807	-2043.2878	-11310.393	-5360.9879	-6385.1586	-8606.2245
-6474.3874	-26145.728	-10431.846	-26459.911	-39305.65	-13342.841	-13548.651	-45066.272	-20269.978	-15595.693	-24231.444
	0.03	0.08	0.55	0.17	0.01			0.05	0.65	0.46
182.7317	816.6671	473.893	1478.412	1512.6708	397.5835	335.7081	794.9445	632.2629	1480.7491	1693.3764
0.04	0.04	0.01	0.05	0.03	0.03	0.01	0.05	0.01	0.08	0.01
46.5408	46.5408	11.6352	59.3395	35.6037	35.6037	11.8679	59.3395	11.8679	94.9432	11.8679
4907.02011	20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429	28445.5647	34481.8858
4907.02011	20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429	28445.5647	34481.8858
4841.79131	19972.3892	9834.8886	31945.3638	33874.4316	9799.66474	9413.85116	22300.0245	14583.753	28241.5535	34337.4079
12.8	52.8	26	82.8	87.8	25.4	24.4	57.8	37.8	73.2	89
46.5408	46.5408	11.6352	59.3395	35.6037	35.6037	11.8679	59.3395	11.8679	94.9432	11.8679
4907.02011	20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429	28445.5647	34481.8858
18.688	77.087999	37.96	123.372	130.822	37.846	36.356	86.122	56.322	109.068	132.61
3.29665	2.91989	3.10827	4.426929	4.99207	4.709499	4.05017	3.202459	4.14436	5.46302	3.86179
0.190416	0.160129	0.173706	0.238506	0.23251	0.29104	0.184665	0.220634	0.222144	0.274013	0.211816
0.184646	0.152113	0.167687	0.232414	0.222113	0.28116	0.178863	0.214583	0.217113	0.263835	0.203422
128932.745	143647.311	210795.572	394688.435	291329.658	184382.673	100164.111	98287.4071	188063.159	368111.074	298437.603
455.106076	468.182214	589.864515	1111.27398	868.930714	595.505323	357.92966	360.793645	581.026683	970.850605	842.890601
3941.1	2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1	5386.46	3964.3

0.031086	0.037857	0.029218	0.025994	0.036785	0.033065	0.026988	0.029851	0.027172	0.037926	0.030952
37121.2209	27921.4952	29314.5653	44692.9666	40770.5183	51609.1499	34395.1739	39388.3742	39852.7309	50735.0667	37339.7417
241531.888	172121.635	184045.095	363151.39	279279.914	187963.953	216572.484	169604.038	183776.03	312747.764	262908.68
2.225281	2.179548	2.069723	3.183402	3.764684	2.228958	2.851091	1.4662	2.196284	3.508616	2.675137
17246.2667	20894.9322	28697.2318	42969.1201	37193.5106	42754.4255	14976.7533	20187.6461	33378.4675	50563.4289	36758.1092
20680.48	18750.24	18017.7	19885.3	18771.12	18843.62	19865	18906.26	18958.46	19641.7	18884.8
56.196956	55.804285	56.305312	56.492329	55.866428	56.082202	56.434659	56.26863	56.423988	55.800284	56.204761
21344	19488	18560	20416	19488	19488	20416	19488	19488	20416	19488
58	58	58	58	58	58	58	58	58	58	58
3941.1	2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1	5386.46	3964.3
24.572013	24.022207	22.96799	34.956477	41.012836	26.393309	31.420911	17.403406	25.377351	39.193692	29.504608
24.572013	24.022207	22.96799	34.956477	41.012836	26.393309	31.420911	17.403406	25.377351	39.193692	29.504608
281961.034	202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532	369214.176	304426.462
541990.37	411795.832	418690.653	814346.751	659633.341	573672.402	456947.179	605173.831	515246.003	758422.707	613879.434
260029.337	209207.596	202670.377	401482.152	335080.273	328418.721	202146.339	391773.65	287177.471	389208.531	309452.972
541990.37	411795.832	418690.653	814346.751	659633.341	573672.402	456947.179	605173.831	515246.003	758422.707	613879.434
125.96	96.77	101.71	201.03	178.77	167.33	137.89	133.25	136.57	174.01	121.55
153028.289	58940.9251	5224.70403	18176.1649	33223.41	60871.0075	154636.728	115112.774	40005.3728	1103.10259	5988.85835
292215.604	119071.37	9504.54465	33035.6428	60123.2757	138067.237	274023.875	339228.483	77094.6925	1831.66471	9709.24292
13.112599	8.194678	2.90707	5.540346	8.975262	12.565514	17.369273	13.691485	9.735184	2.506167	3.711569
2110.09175	745.998833	65.541304	183.018001	379.765122	940.091778	2061.62232	2038.51026	687.362076	18.222511	61.750979
71.713339	84.399552	82.495323	84.008621	88.557134	65.229345	76.810109	54.307397	62.376403	79.153101	80.654367
22.927994	23.47923	23.915936	37.790639	45.16028	26.653063	31.395043	16.747479	26.089821	42.742674	32.219241
3941.1	2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1	5386.46	3964.3
10.70951	8.822559	9.725875	13.480056	12.882559	16.307321	10.37409	12.445833	12.592559	15.302443	11.798511
260029.337	209207.596	202670.377	401482.152	335080.273	328418.721	202146.339	391773.65	287177.471	389208.531	309452.972
260029.337	209207.596	202670.377	401482.152	335080.273	328418.721	202146.339	391773.65	287177.471	389208.531	309452.972
1831.00825	2218.38117	3046.7387	4561.962	3948.77488	4539.16822	1590.05768	2143.28974	3543.73792	5368.23749	3902.54902
128932.745	143647.311	210795.572	394688.435	291329.658	184382.673	100164.111	98287.4071	188063.159	368111.074	298437.603
10.37	4.93	1.08	2.07	3.79	4.18	10.22	4.47	4.92	0.16	1.5
-260029.34	-209207.6	-202670.38	-401482.15	-335080.27	-328418.72	-202146.34	-391773.65	-287177.47	-389208.53	-309452.97
-552244.94	-328278.97	-212174.92	-434517.79	-395203.55	-466485.96	-476170.21	-731002.13	-364272.16	-391040.2	-319162.21
1.95	4.27	11.18	14.46	10.15	2.99	2.67	1.84	8.73	19.39	17.26
18914.9887	15539.2137	19219.9255	28988.2786	24783.4493	28976.203	17404.3185	19500.5215	23189.7665	35223.4644	24361.0184
0.43	0.43	0.43	0.67	0.47	0.56	0.46	0.56	0.53	0.82	0.53

229.9253	229.9253	229.9253	365.418	256.338	305.424	250.884	305.424	289.062	447.228	289.062
281961.034	202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532	369214.176	304426.462
281961.034	202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532	369214.176	304426.462
241531.888	172121.635	184045.095	363151.39	279279.914	187963.953	216572.484	169604.038	183776.03	312747.764	262908.68
3941.1	2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1	5386.46	3964.3
229.9253	229.9253	229.9253	365.418	256.338	305.424	250.884	305.424	289.062	447.228	289.062
281961.034	202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532	369214.176	304426.462
40199.22	30236.676	31745.256	49347.792	45016.816	56984.304	37977.472	43490.72	44003.44	56019.184	41228.72
2.41	1.36	0.18	0.63	1.02	1.56	3.97	1.82	1.66	0.15	0.24
11.17533	11.236515	11.198566	11.06532	11.09045	11.086844	11.163365	11.227218	11.147092	11.06331	11.14363
0.592366	0.567875	0.590065	0.655157	0.636002	0.631254	0.592572	0.566096	0.605705	0.640848	0.612392
0.574756	0.544689	0.572066	0.635256	0.609493	0.610315	0.568659	0.547384	0.583486	0.617312	0.59206
934909.353	816151.6	830198.759	1029213.39	927997.493	847966.171	863985.012	779096.904	874381.737	1004139.68	926204.871
3380.19894	2711.87446	2326.19016	2921.00643	2815.93389	2777.77808	3146.26177	2902.23628	2849.46781	2766.27233	2699.63377
23477.654	20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698	24119.624	22081.472
0.032635	0.042321	0.031968	0.029857	0.040357	0.034345	0.040795	0.035505	0.0375	0.038778	0.032797
258150.955	224221.804	223560.05	270333.054	248274.133	248707.969	244264.917	225392.994	238735.961	263072.4	242079.935
411090.675	356980.49	355725.244	445200.676	408499.67	407196.745	401314.984	368966.668	391792.084	433944.77	400042.039
3.5618	3.5618	3.5618	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364
509022.052	442120.553	440815.707	539692.908	495654.478	496520.589	487650.48	449974.574	476612.472	525197.739	483288.382
39514.89	35717.58	34384.47	37905.39	35790.84	36015.06	37478.04	35971.77	35897.4	37556.85	36072.78
107.377418	106.302321	107.451468	107.685767	106.520357	107.187678	106.471704	107.058839	106.8375	106.695596	107.359464
40848	37296	35520	39072	37296	37296	39072	37296	37296	39072	37296
111	111	111	111	111	111	111	111	111	111	111
23477.654	20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698	24119.624	22081.472
42.229378	42.58599	42.294508	42.582653	42.744556	42.806782	43.043081	43.384692	43.019719	42.670024	42.901653
41.759381	41.97903	41.844567	42.228829	42.318368	42.317496	42.587126	42.824954	42.530422	42.216111	42.50569
974234.685	848574.954	843447.759	1041520.55	958080.118	957599.324	941971.804	868450.175	920498.024	1016366.77	934800.869
1521325.04	1357524.91	1350083.62	2211939.42	1891776.52	1560312.7	1414135.09	1456850.55	1410208.48	1938104.95	1675164.26
547090.355	508949.96	506635.862	1170418.87	933696.399	602713.372	472163.291	588400.378	489710.454	921738.176	740363.386
1521325.04	1357524.91	1350083.62	2211939.42	1891776.52	1560312.7	1414135.09	1456850.55	1410208.48	1938104.95	1675164.26
355.99	321.78	309.77	341.49	322.44	324.46	337.64	324.07	323.4	338.35	324.98
31182.0114	22733.8336	6136.48024	5262.11314	21565.4757	101221.153	69364.4919	80625.8204	37493.9872	3184.19062	1235.49799
65815.5031	37355.8551	11571.605	7101.2372	40968.8347	196767.065	156552.182	195893.709	89850.6873	4425.05907	2266.98352

8.415744	6.537908	1.063299	4.699679	11.418694	20.123531	16.48022	16.884073	11.437472	1.452264	1.791432
796.481355	584.939182	159.566627	134.334119	551.398109	2571.01104	1733.38719	2037.74598	961.506786	83.102894	32.262723
26.696979	29.977149	33.821624	43.51573	41.895693	31.894631	28.992052	24.441817	29.893939	35.001439	33.978252
26.686031	29.969107	33.144774	40.467191	41.883165	31.797923	28.974534	24.398656	29.879605	35.000211	33.977879
23477.654	20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698	24119.624	22081.472
63.797972	60.460541	63.499362	70.513471	67.653833	67.74497	63.121255	60.759642	64.766958	68.521659	65.718666
412154.851	391749.223	389781.023	1029115.79	803923.51	472713.716	344486.019	470587.46	364923.167	784230.233	613828.204
412154.851	391749.223	389781.023	1029115.79	803923.51	472713.716	344486.019	470587.46	364923.167	784230.233	613828.204
22681.1726	19729.8028	20160.2294	24686.4079	22180.2899	20191.299	20485.2948	18377.494	20800.1912	24036.5211	22049.2093
934909.353	816151.6	830198.759	1029213.39	927997.493	847966.171	863985.012	779096.904	874381.737	1004139.68	926204.871
6.7	5.09	2.81	0.2	3.09	13.3	12.3	6.18	6.55	1.17	0.12
-547090.35	-508949.96	-506635.86	-1170418.9	-933696.4	-602713.37	-472163.29	-588400.38	-489710.45	-921738.18	-740363.39
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266.36	258.49	252.14	255.95	243.96	225.17	243.29	230.89	241.86	243.7	251.54
96081.2335	93769.3693	107994.696	117211.325	103581.092	96224.5624	89882.8403	84234.6893	96947.709	119207.488	109077.481
0.79	0.94	0.69	0.67	0.81	0.8	0.82	0.83	0.82	0.86	0.7
8143.32	9689.52	7112.52	7045.05	8517.15	8412	8622.3	8727.45	8622.3	9042.9	7360.5
1109170.19	965775.691	960302.597	1182823.64	1087853.01	1087598.98	1069649.08	986263.093	1045285.31	1153874.71	1061336.05
1109170.19	965775.691	960302.597	1182823.64	1087853.01	1087598.98	1069649.08	986263.093	1045285.31	1153874.71	1061336.05
920112.727	799101.043	796540.951	984893.585	904154.148	903717.334	888965.465	818941.241	868404.556	959142.509	883330.421
23477.654	20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698	24119.624	22081.472
8143.32	9689.52	7112.52	7045.05	8517.15	8412	8622.3	8727.45	8622.3	9042.9	7360.5
1109170.19	965775.691	960302.597	1182823.64	1087853.01	1087598.98	1069649.08	986263.093	1045285.31	1153874.71	1061336.05
45978.6376	39784.3907	39794.2885	49581.9142	45408.8199	45469.9905	44384.0392	40781.4834	43471.1679	48181.3609	44109.9485
10.77	3.87	1.12	1.97	3.56	17.68	14.17	14.84	6.04	2.06	0.21
0.3	0.45	0.3	0.75	0.75	0.75	0.3	0.6	0.3	1.2	0.75
0.001181	0.005892	0.002943	0.007155	0.010274	0.00277	0.002986	0.008936	0.004851	0.007479	0.009786
0.001168	0.005892	0.002687	0.00713	0.010089	0.002619	0.002926	0.008571	0.004851	0.007357	0.009761
	122.383607	292.287687	1034.29205	1020.27188				430.113092	2203.71266	2405.30876
	0.389517	0.801789	2.901651	2.896198				1.134513	5.240058	5.95135
1.29	5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89	7.77	9.84
0.027826	0.027559	0.027531	0.028409	0.025892	0.023958	0.025909	0.021041	0.026547	0.038579	0.034285
19.35	89.1	38.7	112.95	152.55	39.6	46.35	129.6	73.35	116.55	147.6

496.618858	2286.75661	993.237717	2956.84559	3993.50858	1036.66299	1213.36691	3392.71526	1920.18259	3051.08768	3863.92571
0.543927	0.81589	0.543927	1.385482	1.385482	1.385482	0.554193	1.108386	0.554193	2.216772	1.385482
29.630655	136.43883	59.26131	172.960334	233.599815	60.63948	70.975754	198.456479	112.320855	178.473015	226.019879
1073.28	980.22	933.57	1026	981.9	983.85	1028.64	986.79	981.24	1015.26	973.44
2.916521	2.917321	2.917406	2.914772	2.922321	2.928125	2.922272	2.936875	2.920357	2.884261	2.897142
1104	1008	960	1056	1008	1008	1056	1008	1008	1056	1008
3	3	3	3	3	3	3	3	3	3	3
1.29	5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89	7.77	9.84
8.158907	12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897	33.25159	20.782243
8.158907	12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897	33.25159	20.782243
526.249513	2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345	3229.56069	4089.94559
602.450886	2819.0573	1264.70833	3698.97275	5180.47148	1277.74038	1543.93519	5258.6517	2685.6439	3935.14571	5033.86711
76.201372	395.861862	212.209301	569.166827	953.363081	180.437905	259.592516	1667.47996	653.140454	705.585022	943.921524
602.450886	2819.0573	1264.70833	3698.97275	5180.47148	1277.74038	1543.93519	5258.6517	2685.6439	3935.14571	5033.86711
0.43	1.98	0.86	2.51	3.39	0.88	1.03	2.88	1.63	2.59	3.28
526.249513	2300.81183	760.211339	2095.51387	3206.83651	1097.30247	1284.34267	3591.17174	1602.39035	1025.84804	1684.63683
602.450886	2678.33055	903.243247	2461.79999	3940.10805	1277.74038	1543.93519	5258.6517	2071.292	1224.66936	2044.4551
0.06	0.09	0.05949	0.149554	0.149344	0.15	0.06	0.12	0.059242	0.223378	0.118986
1.29	5.64	1.863512	5.041596	7.715327	2.64	3.09	8.64	3.85519	2.468087	4.053067
		407.945359	415.644876	415.644876				415.644876	447.809829	415.644876
		4.079453	4.156448	12.469346				8.312897	22.390491	8.312897
1.29	5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89	7.77	9.84
0.003505	0.017678	0.008062	0.021392	0.030267	0.007857	0.008778	0.025714	0.014553	0.022073	0.029285
76.201372	395.861862	212.209301	569.166827	953.363081	180.437905	259.592516	1667.47996	653.140454	705.585022	943.921524
76.201372	395.861862	212.209301	569.166827	953.363081	180.437905	259.592516	1667.47996	653.140454	705.585022	943.921524
	0.3	0.716487	2.488403	2.454672				1.034809	5.301912	5.786932
	122.383607	292.287687	1034.29205	1020.27188				430.113092	2203.71266	2405.30876
-76.201372	-395.86186	-212.2093	-569.16683	-953.36308	-180.43791	-259.59252	-1667.48	-653.14045	-705.58502	-943.92152
-678.65226	-3074.1924	-1115.4525	-3030.9668	-4893.4711	-1458.1783	-1803.5277	-6926.1317	-2724.4325	-1930.2544	-2988.3766
									0.14	
122.172	614.4711	316.699	893.5768	1175.7366	274.6867	287.8963	801.5057	549.2246	1054.6712	1258.4851
0.1	0.62	0.29	0.42	1.13	0.49	0.23	0.31	0.36	0.83	0.66
526.249513	2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345	3229.56069	4089.94559
526.249513	2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345	3229.56069	4089.94559

526.249513	2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345	3229.56069	4089.94559
1.29	5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89	7.77	9.84
526.249513	2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345	3229.56069	4089.94559
11.915888	11.990516	11.904704	11.682318	11.733291	11.720086	11.838471	11.947903	11.836056	11.668615	11.848336
0.626804	0.60464	0.639545	0.706626	0.680392	0.690252	0.642629	0.616222	0.654242	0.692803	0.648815
0.597794	0.574934	0.613693	0.675336	0.64417	0.666646	0.609951	0.58768	0.628073	0.660909	0.615454
310009.407	273395.516	275913.152	336757.627	307791.278	317653.559	307749.198	284612.246	301854.8	330440.725	296708.754
1123.20402	909.251907	773.206227	956.38048	936.916457	1044.33968	1123.46975	1063.36606	986.996481	911.966915	866.012666
9459.5	8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4	10003.52	8892.09
0.046114	0.049613	0.040781	0.047215	0.055119	0.035029	0.049971	0.044642	0.040833	0.046448	0.052053
110030.121	97060.0857	97956.1802	116786.347	106829.089	110488.879	106886.296	98997.7256	104877.526	114578.047	102774.455
175202.226	154527.002	155869.642	192259.709	175669.736	181005.646	175660.546	162354.824	172228.179	188707.713	169681.936
2.706	2.706	2.706	2.763499	2.7635	2.7635	2.763499	2.763499	2.7635	2.7635	2.763499
122793.616	108319.056	109319.097	131209.461	120022.481	124134.256	120086.753	111223.945	117829.9	128728.436	115467.101
15094.29	13731.19	13198.85	14421.34	13651.64	13941.89	14379.63	13803	13858.04	14432.95	13695.93
41.017092	40.866636	41.246406	40.969715	40.62988	41.49372	40.851221	41.080357	41.244166	41.002698	40.761696
15824	14448	13760	15136	14448	14448	15136	14448	14448	15136	14448
43	43	43	43	43	43	43	43	43	43	43
9459.5	8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4	10003.52	8892.09
34.150581	34.460122	34.094177	34.214578	34.546905	34.312204	34.791661	35.092853	34.694347	34.18837	34.722431
33.508728	33.713046	33.480025	33.572035	33.711101	33.692388	34.004662	34.316861	34.004276	33.527618	34.01907
315209.326	278595.435	280246.418	342061.546	313875.185	322549.049	314145.1	289972.74	306690.725	336160.637	302116.671
587870.31	522805.161	528253.106	868808.392	741632.791	616172.45	557564.229	557993.782	560976.068	749644.085	624473.361
272660.983	244209.726	248006.687	526746.846	427757.606	293623.401	243419.129	268021.042	254285.343	413483.448	322356.69
587870.31	522805.161	528253.106	868808.392	741632.791	616172.45	557564.229	557993.782	560976.068	749644.085	624473.361
351.03	319.33	306.95	335.38	317.48	324.23	334.41	321	322.28	335.65	318.51
					7.565711		4.575951			
					8.201442		7.089785			
					0.124188		0.03986			
					0.247086		0.15678			
24.324028	25.988733	31.397658	37.781294	47.120593	32.116494	22.615369	25.449871	32.371064	32.608989	28.021256
4.864805	5.197746	8.163391	6.800633	11.308942	7.381025	6.332303	6.871465	7.121634	5.869618	4.483401
9459.5	8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4	10003.52	8892.09
25.705163	24.722202	26.388812	29.03946	27.699315	28.665803	26.227926	25.270267	27.007142	28.41909	26.464553

215148.239	193476.419	196804.992	465702.623	371918.041	235870.864	187549.662	216274.931	199465.86	353593.503	268636.483
215148.239	193476.419	196804.992	465702.623	371918.041	235870.864	187549.662	216274.931	199465.86	353593.503	268636.483
9459.5	8306.66	8444.42	10221.89	9306.97	9631.46291	9232.23	8490.65322	9074.4	10003.52	8892.09
310009.407	273395.516	275913.152	336757.627	307791.278	317653.559	307749.198	284612.246	301854.8	330440.725	296708.754
-272660.98	-244209.73	-248006.69	-526746.85	-427757.61	-293623.4	-243419.13	-268021.04	-254285.34	-413483.45	-322356.69
-272660.98	-244209.73	-248006.69	-526746.85	-427757.61	-293631.6	-243419.13	-268028.13	-254285.34	-413483.45	-322356.69
2.34	2.41	3.28	1.75	2.91	3.05	3.36	2.93	2.14	1.99	1.22
93906.9055	92354.129	106302.437	113692.169	100274.587	95513.4866	87879.5002	83006.599	96069.0961	116826.835	105054.999
1.02	1.02	0.85	1.02	1.17	0.94	1.23	1.03	0.93	1.1	1.04
5199.9192	5199.9192	4333.266	5303.9184	6083.9064	4887.9248	6395.9016	5355.9176	4835.9256	5719.912	5407.9168
372722.071	329328.742	331448.114	403105.769	369714.749	380301.586	370014.566	341718.851	361510.208	396050.582	355836.879
372722.071	329328.742	331448.114	403105.769	369714.749	380301.586	370014.566	341718.851	361510.208	396050.582	355836.879
297995.842	262846.058	265188.739	323469.17	295692.217	305139.901	295747.299	273578.769	290058.08	317436.149	285149.037
9459.5	8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4	10003.52	8892.09
5199.9192	5199.9192	4333.266	5303.9184	6083.9064	4887.9248	6395.9016	5355.9176	4835.9256	5719.912	5407.9168
372722.071	329328.742	331448.114	403105.769	369714.749	380301.586	370014.566	341718.851	361510.208	396050.582	355836.879
12013.565	10549.4582	10724.4134	13288.457	12099.061	12521.223	12001.899	11038.053	11796.72	13004.576	11559.717
0.3	0.45	0.3	0.75	0.75	0.75	0.3	0.6	0.3	1.2	0.75
0.001285	0.005892	0.002892	0.00713	0.010075	0.002678	0.002926	0.008883	0.004812	0.007356	0.010173
0.001086	0.005892	0.002843	0.00713	0.009523	0.002678	0.002926	0.007797	0.004642	0.006761	0.00991
	122.383607	252.62526	1009.16036	918.243465				388.192082	1934.44429	2335.78084
	0.389517	0.701104	2.829229	2.602878				1.016293	4.639507	5.751329
1.2	5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68	7.14	9.99
0.031168	0.028184	0.027687	0.023977	0.034375	0.032172	0.027727	0.019642	0.036458	0.049744	0.028244
18	89.1	40.95	112.95	144	40.5	46.35	117.9	70.2	107.1	149.85
461.971031	2286.75661	1050.9841	2956.84559	3769.68362	1060.22352	1213.36691	3086.42846	1837.72076	2803.70219	3922.82701
0.543927	0.81589	0.543927	1.385482	1.385482	1.385482	0.554193	1.108386	0.554193	2.216772	1.385482
27.5634	136.43883	62.706734	172.960334	220.5072	62.01765	70.975754	180.540269	107.49726	164.00223	229.465304
1069.59	979.59	933.42	1030.68	973.35	975.57	1026.72	988.2	971.25	1003.47	979.53
2.906494	2.915446	2.916937	2.928068	2.896875	2.903482	2.916818	2.941071	2.890625	2.850767	2.915267
1104	1008	960	1056	1008	1008	1056	1008	1008	1056	1008
3	3	3	3	3	3	3	3	3	3	3

1.2	5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68	7.14	9.99
8.158907	12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897	33.25159	20.782243
8.158907	12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897	33.25159	20.782243
489.534431	2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802	2967.70442	4152.29232
563.518865	2819.0573	1336.46893	3698.97275	4888.15172	1311.43669	1543.93519	4734.61852	2584.79992	3589.79078	5092.474
73.984434	395.861862	222.778099	569.166827	897.960907	189.195524	259.592516	1467.64979	639.581895	622.086359	940.181685
563.518865	2819.0573	1336.46893	3698.97275	4888.15172	1311.43669	1543.93519	4734.61852	2584.79992	3589.79078	5092.474
0.4	1.98	0.91	2.51	3.2	0.9	1.03	2.62	1.56	2.38	3.33
489.534431	2300.81183	861.06557	2120.64556	3071.94735	1122.24117	1284.34267	3266.96873	1557.02594	1033.26013	1816.51148
563.518865	2678.33055	1021.46824	2497.16224	3770.71672	1311.43669	1543.93519	4734.61852	2018.3447	1230.63722	2199.18708
0.06	0.09	0.059689	0.149788	0.149023	0.15	0.06	0.12	0.05932	0.230117	0.145888
1.2	5.64	2.110737	5.102061	7.390798	2.7	3.09	7.86	3.746048	2.48592	4.370344
		407.945359	415.644876	438.88072				415.644876	442.250692	415.878376
		4.079453	4.156448	13.166421				4.156448	13.26752	16.635135
1.2	5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68	7.14	9.99
0.00326	0.017678	0.008531	0.021392	0.028571	0.008035	0.008778	0.023392	0.013928	0.020284	0.029732
73.984434	395.861862	222.778099	569.166827	897.960907	189.195524	259.592516	1467.64979	639.581895	622.086359	940.181685
73.984434	395.861862	222.778099	569.166827	897.960907	189.195524	259.592516	1467.64979	639.581895	622.086359	940.181685
	0.3	0.619262	2.427938	2.209201				0.933951	4.654079	5.619655
	122.383607	252.62526	1009.16036	918.243465				388.192082	1934.44429	2335.78084
	0.01	0.01	0.02	0.12	0.04		0.39	0.11	0.06	
-73.984434	-395.86186	-222.7781	-569.16683	-897.96091	-189.19552	-259.59252	-1467.6498	-639.5819	-622.08636	-940.18169
-637.5033	-3074.1924	-1244.2463	-3066.3291	-4668.6776	-1500.6322	-1803.5277	-6202.2683	-2657.9266	-1852.7236	-3139.3688
				0.02					0.08	0.03
114.2049	614.4711	332.1906	893.5768	1110.193	281.2482	287.8963	722.5466	527.2303	959.9495	1278.7341
0.08	0.62	0.32	0.42	1.07	0.49	0.23	0.29	0.34	0.8	0.67
489.534431	2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802	2967.70442	4152.29232
489.534431	2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802	2967.70442	4152.29232
489.534431	2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802	2967.70442	4152.29232
1.2	5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68	7.14	9.99
489.534431	2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802	2967.70442	4152.29232
4.155665	3.717102	3.996687	5.853037	6.874858	6.616411	5.132667	4.033043	5.577346	7.583508	5.423369
0.140842	0.121815	0.133497	0.176518	0.175765	0.258865	0.124364	0.188	0.165971	0.205103	0.142561
0.137603	0.117773	0.13115	0.169869	0.172738	0.251976	0.12184	0.182845	0.15997	0.202465	0.137589

32539.7019	52479.4243	114925.652	209425.891	134227.218	82450.1044	26482.7234	29862.3948	75679.1783	272396.873	181740.739
115.762575	170.795082	317.465816	584.309305	395.638319	267.154798	95.116796	110.054163	228.318874	706.337815	496.790549
2531.9	1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5	3563.4	2311.5
0.024565	0.035223	0.034718	0.035127	0.033824	0.026741	0.02723	0.026517	0.037872	0.019517	0.030491
36615.1	28649	30337.6	43274.5	41968.4	61420	30900	44534.6	38924.3	51568.2	33416.7
236219.425	167552.947	164288.507	331491.286	243722.888	196487.953	171624.913	184916.52	159549.992	295857.195	230070.477
1.840385	1.409039	1.538498	2.46995	3.028054	1.867636	2.348524	1.156556	1.877282	3.173895	2.430202
6318.36311	11729.8373	22903.988	27851.7127	25490.6694	37108.7315	6687.12755	10308.3738	20972.4336	47336.196	26999.1329
17981.6	16183.5	15494.9	16924.6	16245.7	16396.5	17043.5	16340.7	16136.9	17324.9	16345.2
48.863043	48.165178	48.421562	48.08125	48.350297	48.799107	48.419034	48.633035	48.026488	49.218465	48.646428
18400	16800	16000	17600	16800	16800	17600	16800	16800	17600	16800
50	50	50	50	50	50	50	50	50	50	50
2531.9	1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5	3563.4	2311.5
50.452896	38.504569	39.899851	66.53908	85.030913	51.487988	61.207249	35.692284	50.733508	85.800998	66.505253
26.513571	20.269188	22.109246	35.589219	43.467862	26.951481	33.514432	16.774597	27.087519	45.743464	34.796901
237044.294	168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847	297098.317	230722.502
391423.031	303196.084	294427.454	562592.36	465128.789	446334.804	293872.449	475356.27	368744.163	553081.727	430983.33
154378.737	135067.968	129443.816	229901.696	220595.083	248382.369	121655.652	289326.358	208338.317	255983.41	200260.829
391423.031	303196.084	294427.454	562592.36	465128.789	446334.804	293872.449	475356.27	368744.163	553081.727	430983.33
182.14	137.42	140.13	277.51	304.63	297.92	229.22	206.36	193.46	291.22	205.73
204504.592	115648.692	50057.9868	123264.773	110306.488	115502.33	145734.073	156167.517	84726.6683	24701.4438	48981.7626
338313.321	208680.653	85486.9119	202615.116	197663.937	248713.84	244118.845	409275.667	176746.027	42915.17	81087.6275
6.38003	4.510953	3.099104	6.175854	7.61814	8.066917	7.090856	5.770827	6.081307	4.177945	4.233565
2089.28084	1155.92033	496.465759	1033.94557	1115.99519	1650.95355	1669.19472	2349.88405	1221.89848	276.167137	428.301736
104.378886	101.707861	99.193426	108.042613	113.49263	80.944145	109.567393	74.754989	88.300654	114.21873	113.624175
29.226088	22.35831	25.728606	42.006866	51.071683	32.35671	31.774543	19.434679	32.424988	56.723908	43.171789
2531.9	1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5	3563.4	2311.5
6.880163	5.88869	6.5575	8.493465	8.636904	12.598809	6.092045	9.142261	7.998511	10.123295	6.879464
154378.737	135067.968	129443.816	229901.696	220595.083	248382.369	121655.652	289326.358	208338.317	255983.41	200260.829
154378.737	135067.968	129443.816	229901.696	220595.083	248382.369	121655.652	289326.358	208338.317	255983.41	200260.829
442.619159	822.679667	1601.93424	1955.75443	1786.00481	2582.24645	475.205279	721.915951	1465.60152	3287.23286	1883.19826
32539.7019	52479.4243	114925.652	209425.891	134227.218	82450.1044	26482.7234	29862.3948	75679.1783	272396.873	181740.739
37.35	22.72	18.01	32.01	27.25	37.85	27.92	42.96	28.48	14.02	14.87
-154378.74	-135067.97	-129443.82	-229901.7	-220595.08	-248382.37	-121655.65	-289326.36	-208338.32	-255983.41	-200260.83
-492692.06	-343748.62	-214930.73	-432516.81	-418259.02	-497096.21	-365774.5	-698602.03	-385084.34	-298898.58	-281348.46

1.69	3.61	9.12	13.92	9.33	4.18	1.38	1.34	7.32	37.63	20.18
25804.9341	22231.5255	27422.3352	39082.8663	35184.8176	49031.1147	20902.6895	31115.4204	31625.229	50002.3426	30359.5555
0.31	0.13	0.28	0.61	0.17	0.45	0.16	0.41	0.28	0.48	0.15
256.199	113.517	227.932	494.758	145.086	394.066	155.612	353.79	210.536	406.424	127.694
237044.294	168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847	297098.317	230722.502
237044.294	168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847	297098.317	230722.502
236219.425	167552.947	164288.507	331491.286	243722.888	196487.953	171624.913	184916.52	159549.992	295857.195	230070.477
2531.9	1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5	3563.4	2311.5
256.199	113.517	227.932	494.758	145.086	394.066	155.612	353.79	210.536	406.424	127.694
237044.294	168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847	297098.317	230722.502
568.669999	461.651999	467.199999	704.621	665.732	1070.416	436.272	759.602	645.319	834.698	524.331
1.18	2.02	0.26	1.73	2.58	3.57	3.76	1.17	1.64	0.44	0.82
0.3	0.45	0.3	0.75	0.75	0.75	0.3	0.6	0.3	1.2	0.75
0.001168	0.005863	0.002937	0.007118	0.010146	0.002722	0.002926	0.008813	0.00475	0.007042	0.010066
0.001168	0.005863	0.002937	0.007073	0.009672	0.002559	0.002926	0.007857	0.004523	0.006562	0.010059
	163.361743	315.447984	1251.45674	1192.15839				498.540053	2282.14452	3021.58749
	0.51994	0.872259	3.501075	3.379614				1.299547	5.455306	7.425929
1.72	7.88	3.76	9.96	13	3.44	4.12	10.56	6.08	9.24	13.52
0.024103	0.036755	0.036593	0.030284	0.025238	0.019761	0.021363	0.027916	0.030952	0.03625	0.036279
25.8	118.2	56.4	149.4	195	51.6	61.8	158.4	91.2	138.6	202.8
662.158478	3033.60977	1447.50923	3911.04675	5104.7799	1350.8033	1617.82255	4146.65198	2387.46629	3628.32048	5308.97109
0.544539	0.816808	0.544539	1.388577	1.388577	1.388577	0.555431	1.110862	0.555431	2.221724	1.388577
40.29702	184.61658	88.09116	238.02408	310.674	82.20912	98.459759	252.36288	145.29984	220.81752	323.10096
1436.52	1294.6	1233.16	1365.36	1310.08	1317.44	1377.92	1306.48	1302.4	1356.96	1295.24
3.903586	3.852976	3.853625	3.878863	3.899047	3.920952	3.914545	3.888333	3.87619	3.855	3.85488
1472	1344	1280	1408	1344	1344	1408	1344	1344	1408	1344
4	4	4	4	4	4	4	4	4	4	4
1.72	7.88	3.76	9.96	13	3.44	4.12	10.56	6.08	9.24	13.52
8.168087	12.25213	8.168087	20.828668	20.828668	20.828668	8.331467	16.662935	8.331467	33.32587	20.828668
8.168087	12.25213	8.168087	20.828668	20.828668	20.828668	8.331467	16.662935	8.331467	33.32587	20.828668
702.455498	3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613	3849.138	5632.07205
803.267848	3742.41779	1837.76918	4898.67604	6627.01089	1676.00198	2058.58025	6341.30663	3328.00758	4660.62982	6898.53852
100.81235	524.191437	302.168792	749.605207	1211.55699	242.989559	342.297934	1942.29177	795.241451	811.491821	1266.46647
803.267848	3742.41779	1837.76918	4898.67604	6627.01089	1676.00198	2058.58025	6341.30663	3328.00758	4660.62982	6898.53852

0.43	1.97	0.94	2.49	3.25	0.86	1.03	2.64	1.52	2.31	3.38
702.455498	3054.86461	1220.15241	2897.61409	4223.29551	1433.01242	1716.28231	4399.01486	2034.22608	1566.99348	2610.48457
803.267848	3554.78212	1445.85591	3421.60564	5171.40335	1676.00198	2058.58025	6341.30663	2596.18331	1863.35137	3155.31085
0.08	0.12	0.074484	0.195072	0.197809	0.2	0.08	0.16	0.079366	0.304371	0.19188
1.72	7.48	2.987608	6.955831	10.138179	3.44	4.12	10.56	4.883235	3.761626	6.266566
	469.352542	466.647123	422.798442	471.663265				536.69985	481.379836	494.60281
	4.693525	9.332942	21.139922	18.86653				10.733997	38.510386	19.784112
1.72	7.88	3.76	9.96	13	3.44	4.12	10.56	6.08	9.24	13.52
0.004673	0.023452	0.01175	0.028295	0.03869	0.010238	0.011704	0.031428	0.018095	0.02625	0.040238
100.81235	524.191437	302.168792	749.605207	1211.55699	242.989559	342.297934	1942.29177	795.241451	811.491821	1266.46647
100.81235	524.191437	302.168792	749.605207	1211.55699	242.989559	342.297934	1942.29177	795.241451	811.491821	1266.46647
	0.4	0.772391	3.004168	2.86182				1.196764	5.478373	7.253433
	163.361743	315.447984	1251.45674	1192.15839				498.540053	2282.14452	3021.58749
0.39	1.87	0.77	1.26	2.37	0.84	1.02	2.61	1.23	0.97	1.65
-100.81235	-524.19144	-302.16879	-749.60521	-1211.557	-242.98956	-342.29793	-1942.2918	-795.24145	-811.49182	-1266.4665
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	0.1	0.17	0.35	0.62				0.29	1.32	1.73
122.172	611.6335	344.9176	886.5538	1126.5807	267.9521	287.8963	736.0713	513.4617	929.4479	1296.8382
0.1	0.62	0.33	0.42	1.09	0.46	0.23	0.3	0.35	0.78	0.68
702.455498	3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613	3849.138	5632.07205
702.455498	3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613	3849.138	5632.07205
702.455498	3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613	3849.138	5632.07205
1.72	7.88	3.76	9.96	13	3.44	4.12	10.56	6.08	9.24	13.52
702.455498	3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613	3849.138	5632.07205
10.71747	10.807471	10.75439	10.562549	10.608212	10.58835	10.688127	10.768561	10.673197	10.562946	10.679251
0.447001	0.426457	0.457378	0.529889	0.503398	0.511975	0.471847	0.426521	0.474217	0.520104	0.473265
0.419787	0.403293	0.437596	0.500051	0.474385	0.48668	0.447919	0.401631	0.449641	0.491215	0.443383
340972.632	300720.916	309377.231	394104.474	358054.428	363814.11	353970.114	303967.949	339314.264	388823.731	337051.178
1233.47753	998.542737	868.046278	1118.9118	1088.56545	1193.0345	1289.90621	1134.03055	1103.96111	1066.3404	978.438386
9052.638	7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264	10132.41	8730.044
0.069184	0.054404	0.049593	0.058096	0.059345	0.051636	0.060994	0.057976	0.058958	0.054744	0.063273
93786.2604	82658.6278	85011.4775	105764.017	96131.9511	98641.0333	95478.3328	82418.7185	91484.342	104190.574	90209.3357
149524.851	131656.859	135322.653	174666.197	158726.391	161337.637	157480.59	135021.021	150348.691	172664.058	149926.389
3.5747	3.574699	3.5747	3.6495	3.649499	3.649499	3.6495	3.649499	3.649499	3.649499	3.649499

186137.591	164052.579	168722.279	212532.791	193177.156	198219.156	191863.71	165620.415	183837.785	209370.958	181275.66
20072.844	18618.392	17822.018	19428.83	18521.116	18672.89	19369.058	18548.072	18528.734	19497.978	18443.764
54.545771	55.41188	55.693806	55.195539	55.122369	55.574077	55.025732	55.202595	55.145041	55.391982	54.892154
21564.8	19689.6	18752	20627.2	19689.6	19689.6	20627.2	19689.6	19689.6	20627.2	19689.6
58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
9052.638	7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264	10132.41	8730.044
45.188759	46.217517	44.732882	44.858671	44.145114	43.869818	46.349881	44.715636	44.497512	44.011496	44.978614
38.95699	39.280647	39.091314	39.208833	39.373016	39.314802	39.667771	39.968727	39.618011	39.203266	39.625158
376472.232	334408.69	334358.592	428318.376	386944.025	395939.076	388327.685	331419.248	368428.696	420437.159	368428.685
681960.329	613752.65	620419.854	1008304.21	864146.331	719478.283	682860.651	644195.382	643407.702	893441.7	748626.34
305488.097	279343.96	286061.262	579985.833	477202.306	323539.208	294532.966	312776.134	274979.006	473004.541	380197.655
681960.329	613752.65	620419.854	1008304.21	864146.331	719478.283	682860.651	644195.382	643407.702	893441.7	748626.34
342.54	317.72	304.13	331.55	316.06	318.65	330.53	316.52	316.19	332.73	314.74
574.024252	149.970034	1.479365	5.342005	107.221833	2162.9855	1564.53741	1971.81925	803.899631		
820.235021	231.02017	2.260932	4.931692	206.931284	3841.83405	4323.36041	3526.05825	2109.70833		
0.158747	0.451002	0.042176	0.13	0.72718	2.706233	0.876687	1.564846	0.763292		
16.350961	4.18045	0.042176	0.13	2.879705	59.441219	43.825544	55.79981	22.428843		
30.022929	30.531498	33.191114	36.695397	44.326574	35.393843	34.319928	25.855677	32.936729	35.233232	33.625506
21.615538	25.035584	23.23378	26.420686	34.129816	28.98496	26.426345	21.609794	25.027386	28.538918	24.882874
9052.638	7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264	10132.41	8730.044
24.599559	23.633005	25.643162	29.303034	27.798964	28.519464	26.248096	23.535595	26.349	28.785255	25.982273
256466.019	236138.295	241625.763	524702.982	426954.135	271979.54	244626.442	269695.87	227160.14	418544.128	333045.235
256466.019	236138.295	241625.763	524702.982	426954.135	271979.54	244626.442	269695.87	227160.14	418544.128	333045.235
9036.28704	7936.50955	8205.76982	10314.538	9337.57229	9523.09878	9195.50446	7852.16019	8830.83516	10132.41	8730.044
340972.632	300720.916	309377.231	394104.474	358054.428	363814.11	353970.114	303967.949	339314.264	388823.731	337051.178
0.01	0.01			0.02	0.06		0.03	0.15		
-305488.1	-279343.96	-286061.26	-579985.83	-477202.31	-323539.21	-294532.97	-312776.13	-274979.01	-473004.54	-380197.66
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15.47	18.16	12.58	13.59	15.12	13.93	16.69	16.01	15.55	16.32	13.08
84620.0596	85716.489	98205.0114	104248.959	93208.8606	88294.3333	82140.3019	76927.3917	87923.0709	109619.261	97147.1566
1.51	1.45	1.08	1.45	1.22	1.27	1.39	1.08	1.2	1.34	1.33
34925.5752	33537.804	24979.8816	34208.5601	28782.3747	29961.9802	32793.0335	25479.4792	28310.5325	31613.4279	31377.5068
425494.31	377614.355	378794.091	483601.227	437192.195	447498.744	438234.209	374499.512	416247.562	474897.572	415581.105
425494.31	377614.355	378794.091	483601.227	437192.195	447498.744	438234.209	374499.512	416247.562	474897.572	415581.105

335662.442	295709.438	304044.932	387198.988	351903.547	359556.794	349344.3	300641.435	334186.477	382035.016	331202.049
9052.638	7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264	10132.41	8730.044
34925.5752	33537.804	24979.8816	34208.5601	28782.3747	29961.9802	32793.0335	25479.4792	28310.5325	31613.4279	31377.5068
425494.31	377614.355	378794.091	483601.227	437192.195	447498.744	438234.209	374499.512	416247.562	474897.572	415581.105
5884.2147	5161.4485	5333.7778	6910.82756	6258.10284	6420.3018	6190.3511	5298.3332	5931.68688	6788.7147	5849.12948
	0.01		0.01	0.04	0.08	0.01	0.16	0.07		
4.05	3.15	3.9	5.55	6.9	6.6	4.8	4.05	4.65	6.6	5.1
0.13566	0.117532	0.128265	0.170115	0.168133	0.254793	0.118271	0.182335	0.160402	0.196628	0.135988
0.130951	0.112827	0.125968	0.16696	0.164285	0.242857	0.114829	0.172023	0.156815	0.192755	0.131398
5053.25958	10366.5377	22380.4882	44834.6747	26254.9506	19119.9754	4314.91585	5260.90315	15810.0069	69696.6568	41831.4654
18.026791	33.575127	61.307655	124.477874	77.311504	62.183656	15.49528	19.587897	47.894073	179.166036	112.53629
674.66	530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66	949.9	618.1
0.027907	0.031785	0.028531	0.025823	0.026309	0.032559	0.031505	0.038244	0.027946	0.027414	0.03244
10119.9	7961.1	8465.1	12341.7	11592	17136	8488.2	12138	11064.9	14248.5	9271.5
65269.0352	47455.2879	44735.7518	97815.5117	67750.638	55502.7779	46697.2906	51071.7429	44773.3333	81656.1674	63660.2002
1.720003	1.163412	1.435089	2.342965	2.85884	1.722511	2.002857	1.126076	1.477848	2.721152	2.221364
1221.7379	2498.52319	5087.01165	5820.45297	5436.62704	9410.99219	1143.9646	2087.96576	5042.42188	12177.7024	6324.17807
5008.22	4554.48	4352.18	4800.74	4580.24	4550.84	4772.74	4524.1	4572.54	4792.9	4551.4
13.609293	13.555	13.600562	13.638465	13.631666	13.544166	13.55892	13.464583	13.60875	13.616193	13.545833
5152	4704	4480	4928	4704	4704	4928	4704	4704	4928	4704
14	14	14	14	14	14	14	14	14	14	14
674.66	530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66	949.9	618.1
26.264482	17.634891	21.860008	35.534898	43.042021	26.035771	30.144826	16.983055	22.388414	41.294012	33.436813
26.264482	17.634891	21.860008	35.534898	43.042021	26.035771	30.144826	16.983055	22.388414	41.294012	33.436813
65437.0352	47549.7879	44914.2518	98162.0117	67855.638	55712.7779	46791.7906	51292.2429	44878.3333	81950.1674	63723.2002
106370.94	84463.9534	79315.7229	162037.545	127213.281	123386.73	79025.0609	131080.003	103135.671	150904.386	118615.059
40933.9048	36914.1655	34401.4711	63875.5334	59357.6428	67673.9523	32233.2703	79787.7601	58257.3376	68954.219	54891.8591
106370.94	84463.9534	79315.7229	162037.545	127213.281	123386.73	79025.0609	131080.003	103135.671	150904.386	118615.059
99.32	61.97	83.72	146.74	166.46	153.22	122.57	105.16	106.47	146.35	118.44
60383.7756	37183.2502	22533.7636	53327.3369	41600.6873	36592.8025	42476.8747	46031.3398	29068.3265	12253.5106	21891.7349
98176.1911	66394.4074	38448.7532	87769.9563	74903.5502	78879.923	70581.7482	119613.366	61088.4358	21826.6133	36611.1961
3.60868	2.471173	2.563538	4.559849	5.426748	5.013813	4.268027	3.461775	3.711309	3.880141	3.386736
593.210806	364.171787	225.20589	434.749801	410.358197	515.00052	489.615693	670.002282	401.498541	138.053172	196.488128
115.381797	89.641617	93.081796	105.61202	105.516758	66.174187	102.777754	71.778644	81.391479	106.973647	103.427671

20.711611	17.592638	20.440881	37.247485	44.29132	21.769918	22.611105	15.791301	23.577048	41.609182	35.165408
674.66	530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66	949.9	618.1
1.833315	1.579583	1.763562	2.337443	2.3	3.4	1.607613	2.408333	2.195416	2.698579	1.839583
40933.9048	36914.1655	34401.4711	63875.5334	59357.6428	67673.9523	32233.2703	79787.7601	58257.3376	68954.219	54891.8591
40933.9048	36914.1655	34401.4711	63875.5334	59357.6428	67673.9523	32233.2703	79787.7601	58257.3376	68954.219	54891.8591
81.449193	166.568212	339.134109	388.030198	362.441802	627.399479	76.264306	139.197717	336.161458	811.846827	421.611871
5053.25958	10366.5377	22380.4882	44834.6747	26254.9506	19119.9754	4314.91585	5260.90315	15810.0069	69696.6568	41831.4654
8.51	4.38	3.35	5.44	4.87	4.38	6.61	6.47	6.18	2.27	4.03
-40933.905	-36914.166	-34401.471	-63875.533	-59357.643	-67673.952	-32233.27	-79787.76	-58257.338	-68954.219	-54891.859
-139110.1	-103308.57	-72850.224	-151645.49	-134261.19	-146553.88	-102815.02	-199401.13	-119345.77	-90780.832	-91503.055
0.87	0.9	2.93	3.74	2.19	0.7	0.53	0.45	1.7	8.36	5.43
13428.5044	11528.9373	14449.758	20841.4977	18304.8768	25067.7071	11188.5818	15648.0234	16720.0991	25852.2805	15854.3589
0.16	0.09	0.17	0.33	0.1	0.2	0.09	0.21	0.1	0.28	0.06
168	94.5	178.5	346.5	105	210	94.5	220.5	105	294	63
65437.0352	47549.7879	44914.2518	98162.0117	67855.638	55712.7779	46791.7906	51292.2429	44878.3333	81950.1674	63723.2002
65437.0352	47549.7879	44914.2518	98162.0117	67855.638	55712.7779	46791.7906	51292.2429	44878.3333	81950.1674	63723.2002
65269.0352	47455.2879	44735.7518	97815.5117	67750.638	55502.7779	46697.2906	51071.7429	44773.3333	81656.1674	63660.2002
674.66	530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66	949.9	618.1
168	94.5	178.5	346.5	105	210	94.5	220.5	105	294	63
65437.0352	47549.7879	44914.2518	98162.0117	67855.638	55712.7779	46791.7906	51292.2429	44878.3333	81950.1674	63723.2002
1.14	0.89	0.45	1.27	1.79	1.93	3.45	0.7	0.76	0.31	0.67
11.3336	11.396193	11.345588	11.194896	11.241499	11.286294	11.285611	11.411653	11.298694	11.221423	11.287042
0.377331	0.356895	0.377098	0.433723	0.419338	0.444268	0.37936	0.37862	0.398732	0.435917	0.394901
0.363857	0.341385	0.364172	0.418069	0.401335	0.428597	0.364395	0.364517	0.384278	0.419849	0.378771
1752417.1	1598641.86	1767500.58	2426290.05	2058181.76	1815586.2	1656666.07	1501087.81	1799967.86	2460734.61	2111302.2
6325.77593	5298.20061	4946.7222	6864.5753	6219.00974	5940.60976	6028.17947	5590.0686	5810.66815	6666.17949	6069.81312
49154.462	42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072	54252.664	46719.856
0.032895	0.038062	0.03371	0.033148	0.036674	0.031212	0.033341	0.032408	0.035503	0.035924	0.036747
546064.551	469502.116	475142.267	594718.307	547277.534	588487.639	520906.433	504079.386	525699.703	599772.079	516828.484
1285023.2	1056729.31	1052749.97	1644525.7	1378452.01	1202180.94	1182270.18	1103583.75	1122362.37	1521685.24	1321756.71
3.602114	3.533307	3.521604	3.842891	3.742376	3.425983	3.625112	3.516977	3.53051	3.752603	3.745091
818328.185	716094.102	719630.683	885848.278	811558.526	819639.99	800380.386	728727.179	779480.333	865477.521	782775.869
24786.3677	35123.2927	56688.2314	76641.2857	68120.807	89274.1491	22807.8454	32583.9856	59393.323	110077.327	70081.4202
130023.839	118069.192	113358.093	124512.49	118141.411	119051.11	124047.048	118718.922	118552.089	124335.068	118553.234

353.325649	351.396404	354.24404	353.728664	351.611342	354.318779	352.406386	353.330125	352.833598	353.224625	352.837005
135092.8	123345.6	117472	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
49154.462	42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072	54252.664	46719.856
255.035473	251.59235	237.935695	340.521908	372.392728	303.005009	279.666764	259.040938	253.422316	418.161189	333.892481
42.590623	41.981282	41.660329	44.911346	43.901863	40.650873	42.700003	42.017342	41.783983	44.029864	44.096075
2256983.86	1908005.85	1897557.21	2698154.5	2343515.35	2188532.01	2132001.06	1974267.14	2050132.59	2559719.19	2252574.58
3838599.96	3326904.42	3307668.74	5678068.15	4808806.72	4055337.54	3501056.48	3920740.28	3630329.47	5090615.84	4271854.77
1581616.1	1418898.57	1410111.53	2979913.65	2465291.37	1866805.53	1369055.42	1946473.14	1580196.88	2530896.65	2019280.19
3838599.96	3326904.42	3307668.74	5678068.15	4808806.72	4055337.54	3501056.48	3920740.28	3630329.47	5090615.84	4271854.77
1458.92	1269.86	1255.38	1653.78	1632.55	1597.98	1502.03	1420.7	1409.34	1649.81	1427.61
456297.951	260936.752	93630.9618	225306.924	241950.158	329683.906	427523.748	433616.488	208395.967	52608.3478	97126.4561
803000.796	462901.2	156661.587	359752.59	417515.227	682044.241	766251.823	1117634.83	428484.361	84527.6999	152699.223
3.514166	2.505892	1.2102	2.610543	3.930136	5.268713	4.88872	4.398517	3.490337	1.6599	1.694142
5622.42572	2922.92362	971.753158	1850.00539	2549.21107	5770.40981	6032.34547	7236.95916	3335.81876	544.114085	766.813925
38.340472	39.870464	43.58088	58.903615	59.494459	41.811784	41.606974	30.17644	43.056152	61.082457	51.402858
38.318208	39.7319	43.557341	58.707925	59.487053	41.73145	41.58084	30.100208	42.950489	60.96212	51.393718
49154.462	42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072	54252.664	46719.856
133.571907	125.322535	133.687868	153.473238	147.330416	157.338095	133.769607	133.814494	141.068666	154.126886	139.04719
1340145.77	1207758.86	1197619.5	2722283.48	2229430.75	1627493.67	1135602.16	1733833.84	1352771.24	2279038.34	1791872.38
1340145.77	1207758.86	1197619.5	2722283.48	2229430.75	1627493.67	1135602.16	1733833.84	1352771.24	2279038.34	1791872.38
43532.0363	39185.4484	41808.3648	52172.5746	46953.8089	47095.1902	41054.5565	37724.7108	44063.2532	53708.5499	45953.0421
1752417.1	1598641.86	1767500.58	2426290.05	2058181.76	1815586.2	1656666.07	1501087.81	1799967.86	2460734.61	2111302.2
63.58	39.67	26.3	42.03	42.31	61.04	58.39	63.43	47.83	19.09	22.75
-1581616.1	-1418898.6	-1410111.5	-2979913.6	-2465291.4	-1866805.5	-1369055.4	-1946473.1	-1580196.9	-2530896.6	-2019280.2
-2384616.9	-1881799.8	-1566773.1	-3339666.2	-2882806.6	-2548849.8	-2135307.2	-3064108	-2008681.2	-2615424.3	-2171979.4
288.68	287.97	291.48	304.31	284.47	250.03	267.92	253.46	277.64	329.58	310.93
333297.906	323796.907	375061.864	428217.215	380262.864	384328.878	310597.629	313487.713	354697.15	461156.489	387382.003
4.54	5.96	4.45	6.06	7.26	5.69	4.85	5.07	4.92	7.37	5.83
48969.4795	48911.7263	37073.6601	47823.544	43925.4588	44206.9987	48324.099	40501.9003	42385.224	47618.8351	44637.5475
2498454.19	2119145.56	2110049.24	2955784.67	2579375.98	2427843.87	2365454.32	2186906.43	2277558.22	2811577.5	2479982.39
2498454.19	2119145.56	2110049.24	2955784.67	2579375.98	2427843.87	2365454.32	2186906.43	2277558.22	2811577.5	2479982.39
2103351.39	1772823.41	1772380.65	2530373.98	2190010.54	2021820.93	1982650.57	1832310.93	1901842.71	2387162.76	2104532.58
49154.462	42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072	54252.664	46719.856

48969.4795	48911.7263	37073.6601	47823.544	43925.4588	44206.9987	48324.099	40501.9003	42385.224	47618.8351	44637.5475
2498454.19	2119145.56	2110049.24	2955784.67	2579375.98	2427843.87	2365454.32	2186906.43	2277558.22	2811577.5	2479982.39
104662.995	86270.7134	88102.8957	119956.984	109579.354	122504.081	101026.389	101454.314	105904.656	124937.602	103404.456
15.5	8.15	2.01	5.61	8.99	24.82	25.36	18.69	10.17	2.96	1.94

4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
689559.223	885860.285	1306567.43	1503393.02	1307810.68	768032.368	644145.698	547690.436	1002695.07	2022451.56	1571234.68
2472.19936	2921.76933	3625.34772	4236.03866	3919.12227	2495.41532	2336.20952	2034.56781	3152.71602	5430.4874	4452.44409
-102003.56	-101193.78	-114457.28	-124063.63	-110924.93	-102471.34	-96564.647	-90248.692	-103717.98	-127903.49	-115788.26
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977	127903.494	115788.259
689559.223	885860.285	1306567.43	1503393.02	1307810.68	768032.368	644145.698	547690.436	1002695.07	2022451.56	1571234.68
288.17	287.71	291.16	303.71	284.17	249.54	267.65	253.5	277.35	329.38	310.76
206.239124	219.36442	275.728132	255.326615	256.838281	211.439449	192.710428	189.710459	254.740023	304.129354	288.291183
119.286515	134.771707	173.370162	150.419011	143.058615	115.237047	104.386152	108.857683	135.020008	173.882166	170.909011
37995.132	42715.0174	53919.1126	50241.0987	44583.6058	33902.8346	31762.555	32187.3154	42078.8548	59454.7573	55611.6618
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-277.18358	-301.17196	-357.67899	-352.45349	-330.13372	-304.97421	-274.33138	-268.5973	-308.68445	-363.3622	-344.60791
-4669796.2	-4634358.1	-5326932.2	-8240413	-6893402.5	-5244120	-4475319.8	-4339424.7	-5030689.1	-7908406	-6459660.5
-45.819208	-45.677617	-46.608745	-66.109233	-62.011983	-51.258778	-46.41751	-48.027237	-48.51186	-61.481885	-55.38119
-4669796.2	-4634358.1	-5326932.2	-8240413	-6893402.5	-5244120	-4475319.8	-4339424.7	-5030689.1	-7908406	-6459660.5
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
5359355.45	5520218.38	6633499.6	9743806.02	8201213.13	6012152.39	5119465.53	4887115.16	6033384.2	9930857.57	8030895.16
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977	127903.494	115788.259
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48

4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
689559.223	885860.285	1306567.43	1503393.02	1307810.68	768032.368	644145.698	547690.436	1002695.07	2022451.56	1571234.68
2472.19936	2921.76933	3625.34772	4236.03866	3919.12227	2495.41532	2336.20952	2034.56781	3152.71602	5430.4874	4452.44409
-102003.56	-101193.78	-114457.28	-124063.63	-110924.93	-102471.34	-96564.647	-90248.692	-103717.98	-127903.49	-115788.26
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977	127903.494	115788.259
689559.223	885860.285	1306567.43	1503393.02	1307810.68	768032.368	644145.698	547690.436	1002695.07	2022451.56	1571234.68
288.17	287.71	291.16	303.71	284.17	249.54	267.65	253.5	277.35	329.38	310.76

206.239124	219.36442	275.728132	255.326615	256.838281	211.439449	192.710428	189.710459	254.740023	304.129354	288.291183
119.286515	134.771707	173.370162	150.419011	143.058615	115.237047	104.386152	108.857683	135.020008	173.882166	170.909011
37995.132	42715.0174	53919.1126	50241.0987	44583.6058	33902.8346	31762.555	32187.3154	42078.8548	59454.7573	55611.6618
-102003.56	-101193.78	-114457.28	-124063.63	-110924.93	-102471.34	-96564.647	-90248.692	-103717.98	-127903.49	-115788.26
-277.18358	-301.17196	-357.67899	-352.45349	-330.13372	-304.97421	-274.33138	-268.5973	-308.68445	-363.3622	-344.60791
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-4669796.2	-4634358.1	-5326932.2	-8240413	-6893402.5	-5244120	-4475319.8	-4339424.7	-5030689.1	-7908406	-6459660.5
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
5359355.45	5520218.38	6633499.6	9743806.02	8201213.13	6012152.39	5119465.53	4887115.16	6033384.2	9930857.57	8030895.16
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977	127903.494	115788.259
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48

6870.29428	6439.85947	6236.31192	7118.68532	6793.75726	7016.99445	7900.65726	6970.3048	5631.9641	4532.15772	4264.41063
313444.823	292648.884	288561.433	466266.067	416436.574	356162.58	363460.473	333391.041	265122.307	267665.361	229872.022
6870.29428	6439.85947	6236.31192	7118.68532	6793.75726	7016.99445	7900.65726	6970.3048	5631.9641	4532.15772	4264.41063
18.669277	19.166248	19.488474	20.223537	20.219515	20.883912	22.445049	20.744954	16.761797	12.875448	12.691698
313444.823	292648.884	288561.433	466266.067	416436.574	356162.58	363460.473	333391.041	265122.307	267665.361	229872.022
313444.823	292648.884	288561.433	466266.067	416436.574	356162.58	363460.473	333391.041	265122.307	267665.361	229872.022
6870.29428	6439.85947	6236.31192	7118.68532	6793.75726	7016.99445	7900.65726	6970.3048	5631.9641	4532.15772	4264.41063

-313444.82	-292648.88	-288561.43	-466266.07	-416436.57	-356162.58	-363460.47	-333391.04	-265122.31	-267665.36	-229872.02
-313444.82	-292648.88	-288561.43	-466266.07	-416436.57	-356162.58	-363460.47	-333391.04	-265122.31	-267665.36	-229872.02
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977	127903.494	115788.259

6870.29428	6439.85947	6236.31192	7118.68532	6793.75726	7016.99445	7900.65726	6970.3048	5631.9641	4532.15772	4264.41063
6870.29428	6439.85947	6236.31192	7118.68532	6793.75726	7016.99445	7900.65726	6970.3048	5631.9641	4532.15772	4264.41063
313444.823	292648.884	288561.433	466266.067	416436.574	356162.58	363460.473	333391.041	265122.307	267665.361	229872.022
313444.823	292648.884	288561.433	466266.067	416436.574	356162.58	363460.473	333391.041	265122.307	267665.361	229872.022
7713.08381	7234.20269	7003.31956	7997.98189	7634.37823	7883.06982	8887.06472	7833.88981	6315.45339	5100.78618	4796.14451
351941.736	328752.72	323993.111	523828.299	467984.897	400172.077	408882.868	374646.864	297086.821	301421.911	258598.702
22.569697	13.468594	16.840028	50.30271	124.365433	7.611716	37.120852	22.783689	23.991804	13.649146	18.327937
0.67709	0.269371	0.5052	0.503027	2.487308	0.076117	1.113625	1.594858	0.959672	0.545965	0.916396
7713.08381	7234.20269	7003.31956	7997.98189	7634.37823	7883.06982	8887.06472	7833.88981	6315.45339	5100.78618	4796.14451
20.959466	21.530365	21.885373	22.721539	22.721363	23.461517	25.247342	23.315148	18.795992	14.490869	14.274239
351941.736	328752.72	323993.111	523828.299	467984.897	400172.077	408882.868	374646.864	297086.821	301421.911	258598.702
351941.736	328752.72	323993.111	523828.299	467984.897	400172.077	408882.868	374646.864	297086.821	301421.911	258598.702
7713.08381	7234.20269	7003.31956	7997.98189	7634.37823	7883.06982	8887.06472	7833.88981	6315.45339	5100.78618	4796.14451
-351941.74	-328752.72	-323993.11	-523828.3	-467984.9	-400172.08	-408882.87	-374646.86	-297086.82	-301421.91	-258598.7
-351941.74	-328752.72	-323993.11	-523828.3	-467984.9	-400172.08	-408882.87	-374646.86	-297086.82	-301421.91	-258598.7
0.24	0.21	0.21	0.05	0.23	0.11	0.33	0.42	0.36	0.37	0.38
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977	127903.494	115788.259
7713.08381	7234.20269	7003.31956	7997.98189	7634.37823	7883.06982	8887.06472	7833.88981	6315.45339	5100.78618	4796.14451
7713.08381	7234.20269	7003.31956	7997.98189	7634.37823	7883.06982	8887.06472	7833.88981	6315.45339	5100.78618	4796.14451
351941.736	328752.72	323993.111	523828.299	467984.897	400172.077	408882.868	374646.864	297086.821	301421.911	258598.702
351941.736	328752.72	323993.111	523828.299	467984.897	400172.077	408882.868	374646.864	297086.821	301421.911	258598.702

2137.02474	2414.9699	2774.67533	3189.05938	2650.73636	3149.39513	3274.88879	2731.14166	3095.41912	3112.99826	3217.3062
98646.4601	109435.47	126324.715	210659.907	163062.411	158996.896	147205.378	136115.956	142067.938	191179.573	172280.449
2137.02474	2414.9699	2774.67533	3189.05938	2650.73636	3149.39513	3274.88879	2731.14166	3095.41912	3112.99826	3217.3062
5.807132	7.18741	8.67086	9.059827	7.889096	9.373199	9.303661	8.128397	9.212556	8.843745	9.575316
98646.4601	109435.47	126324.715	210659.907	163062.411	158996.896	147205.378	136115.956	142067.938	191179.573	172280.449
98646.4601	109435.47	126324.715	210659.907	163062.411	158996.896	147205.378	136115.956	142067.938	191179.573	172280.449
2137.02474	2414.9699	2774.67533	3189.05938	2650.73636	3149.39513	3274.88879	2731.14166	3095.41912	3112.99826	3217.3062
-98646.46	-109435.47	-126324.71	-210659.91	-163062.41	-158996.9	-147205.38	-136115.96	-142067.94	-191179.57	-172280.45
-98646.46	-109435.47	-126324.71	-210659.91	-163062.41	-158996.9	-147205.38	-136115.96	-142067.94	-191179.57	-172280.45
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	93526.5156	90248.6924	103717.977	127903.494	115788.259
2137.02474	2414.9699	2774.67533	3189.05938	2650.73636	3149.39513	3274.88879	2731.14166	3095.41912	3112.99826	3217.3062
2137.02474	2414.9699	2774.67533	3189.05938	2650.73636	3149.39513	3274.88879	2731.14166	3095.41912	3112.99826	3217.3062
98646.4601	109435.47	126324.715	210659.907	163062.411	158996.896	147205.378	136115.956	142067.938	191179.573	172280.449
98646.4601	109435.47	126324.715	210659.907	163062.411	158996.896	147205.378	136115.956	142067.938	191179.573	172280.449
3755.98545	3204.28091	2715.49398	3344.22723	2308.64416	3423.85168	3684.92452	2801.32989	2533.03196	1994.2443	1945.69366
171851.802	145601.245	122071.181	208009.165	137949.417	177497.535	167782.401	136299.985	113264.37	109950.633	100221.342
3755.98545	3204.28091	2715.49398	3344.22723	2308.64416	3423.85168	3684.92452	2801.32989	2533.03196	1994.2443	1945.69366
10.206482	9.53655	8.485918	9.500645	6.870964	10.190034	10.468535	8.337291	7.538785	5.665466	5.790754
171851.802	145601.245	122071.181	208009.165	137949.417	177497.535	167782.401	136299.985	113264.37	109950.633	100221.342
171851.802	145601.245	122071.181	208009.165	137949.417	177497.535	167782.401	136299.985	113264.37	109950.633	100221.342
3755.98545	3204.28091	2715.49398	3344.22723	2308.64416	3423.85168	3684.92452	2801.32989	2533.03196	1994.2443	1945.69366
-171851.8	-145601.25	-122071.18	-208009.16	-137949.42	-177497.53	-167782.4	-136299.99	-113264.37	-109950.63	-100221.34
-171851.8	-145601.25	-122071.18	-208009.16	-137949.42	-177497.53	-167782.4	-136299.99	-113264.37	-109950.63	-100221.34

102003.557	101193.779	114457.278	121575.989	110924.931	102471.336	96564.6468	90052.9522	103262.718	124352.686	112038.728
3755.98545	3204.28091	2715.49398	3344.22723	2308.64416	3423.85168	3684.92452	2801.32989	2533.03196	1994.2443	1945.69366
3755.98545	3204.28091	2715.49398	3344.22723	2308.64416	3423.85168	3684.92452	2801.32989	2533.03196	1994.2443	1945.69366
171851.802	145601.245	122071.181	208009.165	137949.417	177497.535	167782.401	136299.985	113264.37	109950.633	100221.342
171851.802	145601.245	122071.181	208009.165	137949.417	177497.535	167782.401	136299.985	113264.37	109950.633	100221.342
20476.3883	19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686	14740.1865	14223.555
935884.821	876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437	870217.478	760972.516
22.569697	13.468594	16.840028	50.30271	124.365433	7.611716	37.120852	22.783689	23.991804	13.649146	18.327937
0.67709	0.269371	0.5052	0.503027	2.487308	0.076117	1.113625	1.594858	0.959672	0.545965	0.916396
20476.3883	19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686	14740.1865	14223.555
55.642359	57.420574	58.530627	61.50555	57.70094	63.908663	67.464588	60.525792	52.309132	41.875529	42.332008
935884.821	876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437	870217.478	760972.516
935884.821	876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437	870217.478	760972.516
20476.3883	19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686	14740.1865	14223.555
-935884.82	-876438.32	-860950.44	-1408763.4	-1185433.3	-1092829.1	-1087331.1	-980453.85	-817541.44	-870217.48	-760972.52
-935884.82	-876438.32	-860950.44	-1408763.4	-1185433.3	-1092829.1	-1087331.1	-980453.85	-817541.44	-870217.48	-760972.52
0.24	0.21	0.21	0.05	0.23	0.11	0.33	0.42	0.36	0.37	0.38
408014.226	404775.115	457829.113	493766.87	443699.723	409885.344	383220.456	360799.029	414416.648	508063.167	459403.505
20476.3883	19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686	14740.1865	14223.555
20476.3883	19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686	14740.1865	14223.555
935884.821	876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437	870217.478	760972.516
935884.821	876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437	870217.478	760972.516

11.3336	11.396193	11.345588	11.194896	11.241499	11.286294	11.285611	11.411653	11.298694	11.221423	11.287042
0.377331	0.356895	0.377098	0.433723	0.419338	0.444268	0.37936	0.37862	0.398732	0.435917	0.394901
0.363857	0.341385	0.364172	0.418069	0.401335	0.428597	0.364395	0.364517	0.384278	0.419849	0.378771
4669796.23	4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13	7908406.01	6459660.48
2441976.32	2484502.14	3074068.01	3929683.07	3365992.44	2583618.57	2300811.77	2048778.24	2802662.94	4483186.17	3682536.89
8797.97529	8219.96994	8572.06992	11100.614	10138.132	8436.02509	8364.38899	7624.63641	8963.38417	12096.6669	10522.2572
-32372.706	-39792.094	-52947.359	-48391.093	-42034.395	-28132.425	-25730.21	-24950.356	-38743.036	-58910.643	-54844.848
0.032895	0.038062	0.03371	0.033148	0.036674	0.031212	0.033341	0.032408	0.035503	0.035924	0.036747
546064.551	469502.116	475142.267	594718.307	547277.534	588487.639	520906.433	504079.386	525699.703	599772.079	516828.484
1285023.2	1056729.31	1052749.97	1644525.7	1378452.01	1202180.94	1182270.18	1103583.75	1122362.37	1521685.24	1321756.71
3.602114	3.533307	3.521604	3.842891	3.742376	3.425983	3.625112	3.516977	3.53051	3.752603	3.745091
818328.185	716094.102	719630.683	885848.278	811558.526	819639.99	800380.386	728727.179	779480.333	865477.521	782775.869
24786.3677	35123.2927	56688.2314	76641.2857	68120.807	89274.1491	22807.8454	32583.9856	59393.323	110077.327	70081.4202
130023.839	118069.192	113358.093	124512.49	118141.411	119051.11	124047.048	118718.922	118552.089	124335.068	118553.234
353.325649	351.396404	354.24404	353.728664	351.611342	354.318779	352.406386	353.330125	352.833598	353.224625	352.837005
135092.8	123345.6	117472	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
49154.462	42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072	54252.664	46719.856
255.035473	251.59235	237.935695	340.521908	372.392728	303.005009	279.666764	259.040938	253.422316	418.161189	333.892481
42.590623	41.981282	41.660329	44.911346	43.901863	40.650873	42.700003	42.017342	41.783983	44.029864	44.096075
2256983.86	1908005.85	1897557.21	2698154.5	2343515.35	2188532.01	2132001.06	1974267.14	2050132.59	2559719.19	2252574.58
3838599.96	3326904.42	3307668.74	5678068.15	4808806.72	4055337.54	3501056.48	3920740.28	3630329.47	5090615.84	4271854.77
102003.557	101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977	127903.494	115788.259
1581616.1	1418898.57	1410111.53	2979913.65	2465291.37	1866805.53	1369055.42	1946473.14	1580196.88	2530896.65	2019280.19
4774484.78	4203342.74	4168619.18	7086831.59	5994240.02	5148166.63	4588387.6	4901194.12	4447870.9	5960833.32	5032827.29
1458.92	1269.86	1255.38	1653.78	1632.55	1597.98	1502.03	1420.7	1409.34	1649.81	1427.61
456297.951	260936.752	93630.9618	225306.924	241950.158	329683.906	427523.748	433616.488	208395.967	52608.3478	97126.4561
34.828813	34.788671	35.48375	48.599603	45.604848	38.333978	35.210388	36.239574	35.98775	44.246318	40.618751
689559.223	885860.285	1306567.43	1503393.02	1307810.68	768032.368	644145.698	547690.436	1002695.07	2022451.56	1571234.68
288.17	287.71	291.16	303.71	284.17	249.54	267.65	253.5	277.35	329.38	310.76

206.239124	219.36442	275.728132	255.326615	256.838281	211.439449	192.710428	189.710459	254.740023	304.129354	288.291183
7.455407	8.423231	10.835635	9.401188	8.941163	7.202315	6.524134	6.803605	8.43875	10.867635	10.681813
37,995	42,715	53,919	50,241	44,584	33,903	31,763	32,187	42,079	59,455	55,612
803000.796	462901.2	156661.587	359752.59	417515.227	682044.241	766251.823	1117634.83	428484.361	84527.6999	152699.223
2.415989	1.7228	0.832012	1.794748	2.701969	3.62224	3.360995	3.023981	2.399606	1.141181	1.164723
5,622	2,923	972	1,850	2,549	5,770	6,032	7,237	3,336	544	767
38.374562	39.861682	43.522798	58.895805	59.346008	41.807243	41.574656	30.123719	43.031343	61.070941	51.344573
38.352322	39.723118	43.499259	58.725341	59.338601	41.72691	41.548616	30.04755	42.925683	60.950604	51.335458
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-87.96931	-118.42885	-165.4605	-137.4747	-125.10237	-83.727454	-73.097186	-74.257012	-115.30665	-167.35978	-163.22871
-2393765.6	-2550160.9	-3268362.2	-4109366.1	-3478538.4	-2523797.3	-2252386.6	-1625137	-2860376.4	-4759150.2	-3906815.6
-23.4597	-25.186925	-28.554564	-33.067655	-31.372524	-24.619172	-23.29807	-18.057246	-27.522011	-37.115579	-33.690512
-2393765.6	-2550160.9	-3268362.2	-4109366.1	-3478538.4	-2523797.3	-2252386.6	-1625137	-2860376.4	-4759150.2	-3906815.6
64008.4246	58478.7613	60538.1656	73822.5284	66341.3249	68568.5013	64802.0918	58061.377	61639.1218	68448.7364	60176.5971
1752417.1	1598641.86	1767500.58	2426290.05	2058181.76	1815586.2	1656666.07	1501087.81	1799967.86	2460734.61	2111302.2
2152295.31	2339021.2	3055870.2	3851735.92	3242677.78	2284485.4	2018933.3	1412497.74	2632950.81	4507291.88	3679407.78
2038853.74	2761980.29	4205776.04	4995376.34	4132973.24	2370473.53	1896827.17	842553.35	3207161.53	6445215.74	5097943.24
843315.689	829765.8	947348.255	1046047.71	934887.518	896685.557	790382.732	764535.435	872831.774	1097123.15	962573.766
4.54	5.96	4.45	6.06	7.26	5.69	4.85	5.07	4.92	7.37	5.83
48969.4795	48911.7263	37073.6601	47823.544	43925.4588	44206.9987	48324.099	40501.9003	42385.224	47618.8351	44637.5475
7168250.42	6753503.65	7436981.41	11196197.7	9472778.43	7671963.89	6840774.16	6526331.16	7308247.35	10719983.5	8939642.87
7168250.42	6753503.65	7436981.41	11196197.7	9472778.43	7671963.89	6840774.16	6526331.16	7308247.35	10719983.5	8939642.87
2103351.39	1772823.41	1772380.65	2530373.98	2190010.54	2021820.93	1982650.57	1832310.93	1901842.71	2387162.76	2104532.58
69630.8503	61401.685	61509.9188	75672.5338	68890.536	74338.9111	70834.4373	65298.3362	64974.9406	68992.8505	60943.411
48969.4795	48911.7263	37073.6601	47823.544	43925.4588	44206.9987	48324.099	40501.9003	42385.224	47618.8351	44637.5475
7168250.42	6753503.65	7436981.41	11196197.7	9472778.43	7671963.89	6840774.16	6526331.16	7308247.35	10719983.5	8939642.87
104662.995	86270.7134	88102.8957	119956.984	109579.354	122504.081	101026.389	101454.314	105904.656	124937.602	103404.456
20476.3883	19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686	14740.1865	14223.555
935884.821	876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437	870217.478	760972.516
935884.821	876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437	870217.478	760972.516

2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03	2037-04	2037-05	2037-06	2037-07
45.816613	46.098093	45.910443	46.848723	67.784375	63.164485	52.095995	47.379855	49.016065	48.631075	61.335775
20.725749	20.725787	20.725774	20.725812	21.139524	21.139574	21.13965	21.139549	21.139574	21.13965	21.139562
45.690735	45.972215	45.784565	46.722845	67.656526	63.036636	51.968146	47.252006	48.888216	48.503226	61.207926
45.787564	46.069044	45.881394	46.819674	67.754872	63.134982	52.066492	47.350352	48.986562	48.601572	61.306271
45.061346	45.342826	45.155176	46.093456	67.01728	62.39739	51.3289	46.61276	48.24897	47.86398	60.56868
45.34215	45.62363	45.43598	46.37426	67.302482	62.682592	51.614102	46.897962	48.534172	48.149182	60.853882
45.768198	46.049678	45.862028	46.800308	67.735202	63.115312	52.046822	47.330682	48.966892	48.581902	61.286602
45.80693	46.08841	45.90076	46.83904	67.774541	63.154651	52.086161	47.370021	49.006231	48.621241	61.325941

26.178358	26.178358	26.178358	26.178358	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925
1.64	1.64	1.64	1.64	1.69	1.69	1.69	1.69	1.69	1.69	1.69
45.50676	45.78824	45.60059	46.53887	67.46967	62.84978	51.78129	47.06515	48.70136	48.31637	61.02107
5.820378	5.955354	6.958898	7.868285	7.962331	7.991776	7.133812	6.360531	5.947721	5.93136	5.942571
34.928732	35.127636	35.086164	35.787469	49.832394	46.754925	39.304441	36.095899	37.152307	36.89429	45.365017
34.928732	35.127636	35.086164	35.787469	49.832394	46.754925	39.304441	36.095899	37.152307	36.89429	45.365017
0.6947	0.41682	0.416819	0.416819	0.41682	0.555759	0.83364	0.55576	0.55576	0.55576	0.55576
0.007987	0.003984	0.014092	0.014034	0.018273	0.021108	0.008075	0.010984	0.01816	0.008131	0.006714
0.007301	0.003913	0.013333	0.013712	0.016719	0.020583	0.007954	0.010984	0.017777	0.008131	0.006714
3643.98496	1801.91882	19584.9837	22773.8554	14858.8566	13951.5864	2470.91323	2844.49927	3442.90385	4094.43555	13929.1825
11.509774	6.090736	64.471285	62.621769	41.19808	39.357168	7.902744	10.119642	12.67833	11.323609	34.295869
55.2	32.4	91.2	108.6	126.4	148.2	63	87	128	64.4	55.6
0.038869	0.029565	0.028289	0.0325	0.036934	0.040593	0.02767	0.031988	0.037562	0.02571	0.030625
766.948799	450.1656	1267.1328	1508.8884	1756.2016	2059.0908	875.321999	1208.778	1778.432	894.773599	772.5064
20077.4606	11784.5964	33171.4566	39500.2214	46893.9645	54981.6894	23372.7829	32276.7002	47487.559	23892.1781	20627.4084
1.388417	0.83305	0.83305	0.83305	0.849957	1.133277	1.699915	1.133277	1.133277	1.133277	1.133277
1219.44859	715.763304	2014.74115	2399.13256	2862.60861	3356.318	1426.77486	1970.30814	2898.84416	1458.48097	1259.18543
7266.15	8035.2	6646.5	7662.6	7280.775	6907.725	7700.85	7666.65	6929.55	7716.375	8026.425
21.625446	21.834782	21.863486	21.76875	21.668973	21.58664	21.877414	21.780255	21.654843	21.921519	21.810937
7560	8280	6840	7920	7560	7200	7920	7920	7200	7920	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
55.2	32.4	91.2	108.6	126.4	148.2	63	87	128	64.4	55.6
19.646781	11.637365	11.626524	11.627915	11.873288	15.812456	23.888675	15.82072	15.97473	15.842178	15.830671
19.646781	11.637365	11.626524	11.627915	11.873288	15.812456	23.888675	15.82072	15.97473	15.842178	15.830671
21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482	24943.739	34403.459	50641.4896	25472.7577	22007.4218
29645.538	14305.0038	47627.8954	56090.6948	65846.096	87320.1922	37390.5609	49794.3202	108248.365	36272.8745	27102.5008
8183.3055	1732.63229	12293.9417	14005.7911	15836.8684	28732.7102	12446.8219	15390.8612	57606.875	10800.1168	5095.07907

29645.538	14305.0038	47627.8954	56090.6948	65846.096	87320.1922	37390.5609	49794.3202	108248.365	36272.8745	27102.5008
12.78	8.94	8.4	13.3	8.72	13.78	10.77	13	8.82	12.08	14.4
17818.2475	10770.4527	15748.9699	19311.0483	35150.371	44635.8956	22472.8258	31558.9597	47198.5858	21378.3221	8078.23926
24209.9398	12213.1443	20654.6155	23664.5694	44756.326	65828.0812	33808.6493	45088.5105	102188.558	30226.2865	9686.72003
0.768535	0.557474	0.478737	0.516678	0.549797	0.753889	1.156972	0.796841	0.791447	0.773006	0.617398
45.852683	27.747528	40.632473	49.813913	88.798231	112.894166	56.747116	79.80172	119.318033	54.038636	20.381495
395.121485	393.494102	392.347885	393.948859	397.088034	396.81665	397.904318	402.686688	396.895113	403.577519	403.451461
19.756074	11.804823	11.770436	11.80472	11.912641	15.872666	11.937129	8.053733	11.906853	16.1431	16.138058
55.2	32.4	91.2	108.6	126.4	148.2	63	87	128	64.4	55.6
0.164285	0.088043	0.3	0.308522	0.37619	0.463125	0.178977	0.247159	0.4	0.182954	0.151086
8183.3055	1732.63229	12293.9417	14005.7911	15836.8684	28732.7102	12446.8219	15390.8612	57606.875	10800.1168	5095.07907
8183.3055	1732.63229	12293.9417	14005.7911	15836.8684	28732.7102	12446.8219	15390.8612	57606.875	10800.1168	5095.07907
9.347316	4.652471	50.567526	58.786086	37.601768	35.305833	6.252883	7.198279	8.681966	10.361363	35.218504
3643.98496	1801.91882	19584.9837	22773.8554	14858.8566	13951.5864	2470.91323	2844.49927	3442.90385	4094.43555	13929.1825
0.42	0.43	0.4	0.59	0.98	0.74	0.38	0.62	0.47	0.44	0.37
-8183.3055	-1732.6323	-12293.942	-14005.791	-15836.868	-28732.71	-12446.822	-15390.861	-57606.875	-10800.117	-5095.0791
-32393.245	-13945.777	-32948.557	-37670.361	-60593.194	-94560.791	-46255.471	-60479.372	-159795.43	-41026.403	-14781.799
0.07	0.02	0.27	0.27	0.08	0.09	0.03	0.02	0.01	0.06	0.31
838.0475	458.7103	1387.1585	1965.4982	2257.5546	2585.0908	974.0664	1238.4039	1758.2557	1077.6555	1090.8274
0.07	0.02	0.01	0.02	0.05	0.02	0.04	0.02	0.05	0.02	0.03
83.0753	23.7358	11.8679	23.7358	60.5265	24.2106	48.4212	24.2106	60.5265	24.2106	36.3159
21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482	24943.739	34403.459	50641.4896	25472.7577	22007.4218
21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482	24943.739	34403.459	50641.4896	25472.7577	22007.4218
21296.9092	12500.3597	35186.1978	41899.354	49756.5731	58338.0074	24799.5578	34247.0084	50386.4031	25350.6591	21886.5939
55.2	32.4	91.2	108.6	126.4	148.2	63	87	128	64.4	55.6
83.0753	23.7358	11.8679	23.7358	60.5265	24.2106	48.4212	24.2106	60.5265	24.2106	36.3159
21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482	24943.739	34403.459	50641.4896	25472.7577	22007.4218
82.248	48.276	135.888	161.814	192.127999	225.263999	95.759999	132.24	194.559999	97.887999	84.512
2.91989	4.23855	2.63732	2.8257	4.803689	5.08626	4.332739	3.579219	2.8257	3.7676	6.310729
0.181519	0.171852	0.122608	0.148849	0.252982	0.253439	0.235649	0.183628	0.167738	0.210544	0.29966
0.175714	0.167391	0.116973	0.146732	0.248005	0.245031	0.227215	0.177897	0.160031	0.200738	0.290706
145234.334	144335.587	152789.401	231511.482	372390.57	295035.808	198086.368	109509.356	74027.7986	185443.11	394735.739
472.104333	498.139567	493.963667	639.714285	1036.17001	847.871121	627.340846	383.369988	266.728498	568.942047	1038.59006
3424.32	3572.8	2062.48	2995.7	4833.14	4547.78	4638.84	3631.96	2970.18	4098.28	6204.84

0.032023	0.025842	0.032828	0.02409	0.023988	0.037312	0.032301	0.029829	0.030281	0.033721	0.030842
32253.6701	33652.2032	19426.4991	28216.4983	45523.3457	42835.5398	43693.234	34209.4312	27976.1254	38601.6993	58443.388
179391.102	254605.372	209093.707	206208.208	334531.767	266040.641	214208.54	184866.481	163702.556	194347.532	331102.14
1.739138	3.02946	2.81657	1.999516	3.51595	3.540418	2.472547	2.139557	1.654058	2.126519	3.807916
21684.2034	17871.66	14366.1711	27775.9808	43904.445	40583.3749	35588.3728	19439.9486	11553.2984	30668.2307	58084.2754
18863.92	20792.42	17053.16	19924.16	19020.52	17867.48	19756.54	19807	17997.98	19727.54	20685.7
56.142619	56.501141	56.095921	56.602727	56.60869	55.835875	56.126534	56.269886	56.243687	56.044147	56.211141
19488	21344	17632	20416	19488	18560	20416	20416	18560	20416	21344
58	58	58	58	58	58	58	58	58	58	58
3424.32	3572.8	2062.48	2995.7	4833.14	4547.78	4638.84	3631.96	2970.18	4098.28	6204.84
19.646675	33.330274	29.563712	22.104885	38.683427	39.120263	28.264718	24.248007	18.897083	24.445003	43.179704
19.646675	33.330274	29.563712	22.104885	38.683427	39.120263	28.264718	24.248007	18.897083	24.445003	43.179704
215173.104	292078.824	230690.757	237603.464	386161.858	314587.431	263660.283	223640.79	195449.816	238119.564	397425.045
568859.34	466396.017	359569.832	444767.281	781066.206	704599.05	625460.028	538607.761	662300.863	582896.935	811477.596
353686.236	174317.193	128879.075	207163.817	394904.348	390011.618	361799.745	314966.971	466851.047	344777.371	414052.551
568859.34	466396.017	359569.832	444767.281	781066.206	704599.05	625460.028	538607.761	662300.863	582896.935	811477.596
107.64	111.8	71.34	93.7	203.5	177.81	157.69	123.03	98.73	124.38	213.43
69938.7696	147743.237	77901.3558	6091.98162	13771.2878	19551.623	65573.915	114131.434	121422.017	52676.4541	2689.30573
156912.779	232839.465	112598.497	10768.4298	28148.5224	44783.136	149512.142	248308.851	403178.365	108591.546	4416.31886
9.045526	15.427659	8.038899	2.609284	6.50382	8.072773	9.796982	15.817939	12.718112	9.190704	3.176897
1122.14318	1675.39475	537.246839	46.769029	171.876065	239.108706	860.480005	1568.05209	1743.58499	842.283532	38.126395
66.78768	77.011969	111.313105	85.124942	88.258949	87.209256	70.671285	66.455272	64.076057	63.485277	71.551581
20.008529	33.064064	29.962414	22.922628	42.345408	42.730033	29.610903	21.849513	19.029047	25.29536	47.224043
3424.32	3572.8	2062.48	2995.7	4833.14	4547.78	4638.84	3631.96	2970.18	4098.28	6204.84
10.191428	9.708695	6.784473	8.510511	14.384345	14.211812	13.178522	10.318068	9.281812	11.64284	16.860978
353686.236	174317.193	128879.075	207163.817	394904.348	390011.618	361799.745	314966.971	466851.047	344777.371	414052.551
353686.236	174317.193	128879.075	207163.817	394904.348	390011.618	361799.745	314966.971	466851.047	344777.371	414052.551
2302.17682	1897.40525	1525.23316	2948.93097	4661.26393	4308.67129	3778.35999	2063.90791	1226.59501	3255.99647	6166.7136
145234.334	144335.587	152789.401	231511.482	372390.57	295035.808	198086.368	109509.356	74027.7986	185443.11	394735.739
6.05	11.89	6.46	0.67	3.08	2.98	5.59	5.63	5.15	4.73	0.63
-353686.24	-174317.19	-128879.07	-207163.82	-394904.35	-390011.62	-361799.75	-314966.97	-466851.05	-344777.37	-414052.55
-510599.02	-407156.66	-241477.57	-217932.25	-423052.87	-434794.75	-511311.89	-563275.82	-870029.41	-453368.92	-418468.87
4.81	4.15	4.32	8.39	20.24	13.43	3.88	2.09	1.21	6.2	22.2
17429.7331	17488.9774	10909.9615	18750.4868	29888.2311	27205.252	24993.8691	17664.1976	14060.775	22630.031	41003.9674
0.31	0.58	0.27	0.44	0.63	0.53	0.42	0.43	0.42	0.52	0.88

169.074	316.332	147.258	239.976	350.4753	294.8443	233.6502	239.2133	233.6502	289.2812	489.5528
215173.104	292078.824	230690.757	237603.464	386161.858	314587.431	263660.283	223640.79	195449.816	238119.564	397425.045
215173.104	292078.824	230690.757	237603.464	386161.858	314587.431	263660.283	223640.79	195449.816	238119.564	397425.045
179391.102	254605.372	209093.707	206208.208	334531.767	266040.641	214208.54	184866.481	163702.556	194347.532	331102.14
3424.32	3572.8	2062.48	2995.7	4833.14	4547.78	4638.84	3631.96	2970.18	4098.28	6204.84
169.074	316.332	147.258	239.976	350.4753	294.8443	233.6502	239.2133	233.6502	289.2812	489.5528
215173.104	292078.824	230690.757	237603.464	386161.858	314587.431	263660.283	223640.79	195449.816	238119.564	397425.045
35612.928	37157.12	21449.792	31155.28	51279.6154	48251.9458	49218.0924	38535.0956	31513.6098	43482.7508	65833.3524
1.02	3.57	1.17	0.36	0.37	0.69	1.12	2.95	1.48	1.57	0.23
11.248666	11.11686	11.282391	11.21881	11.048153	11.074833	11.157142	11.181679	11.322489	11.191984	10.99763
0.555869	0.605841	0.541575	0.570452	0.672673	0.643654	0.601976	0.579257	0.524046	0.585891	0.671695
0.534688	0.584854	0.522979	0.553185	0.649884	0.622027	0.582806	0.558301	0.505914	0.565498	0.646435
823240.419	983590.363	736656.436	908127.195	1018262.99	916663.119	906261.453	855755.847	747753.376	933772.557	1117755.02
2865.31088	3486.79448	2412.95788	2520.0413	2844.34813	2664.98876	2923.68267	3054.19554	2740.0441	3009.49462	3045.71458
19941.732	23890.128	17647.422	21614.072	24238.086	22094.432	22771.404	21813.968	17970.07	22095.16	26405.612
0.03866	0.035135	0.035131	0.031221	0.033601	0.0345	0.03321	0.036931	0.03475	0.035028	0.039429
220727.003	262105.54	195891.237	238532.072	263317.163	240934.856	250091.466	240367.962	200169.246	243223.534	286787.4
363379.048	432017.174	322620.308	392239.355	445050.053	405804.712	422756.32	405423.637	340300.174	411942.59	485326.558
3.6364	3.6364	3.6364	3.6364	3.711	3.711	3.711	3.711	3.711	3.711	3.711
440659.389	523267.5	391077.266	476205.428	532163.987	486929.345	505434.853	485783.651	404542.045	491554.762	579597.335
35854.11	39412.77	32558.52	37852.11	36042.81	34294.56	37774.41	37629	34285.68	37703.37	39237.39
106.70866	107.099918	107.100394	107.534403	107.270267	107.1705	107.313664	106.900568	107.14275	107.111846	106.623342
37296	40848	33744	39072	37296	35520	39072	39072	35520	39072	40848
111	111	111	111	111	111	111	111	111	111	111
19941.732	23890.128	17647.422	21614.072	24238.086	22094.432	22771.404	21813.968	17970.07	22095.16	26405.612
43.335013	42.811321	43.51207	43.297104	43.453027	43.582037	43.824933	44.03815	44.542097	44.0704	43.341871
42.894284	42.412554	43.017663	42.789706	43.038056	43.143128	43.443117	43.537238	44.046086	43.56767	42.850667
851339.691	1011209.29	756310.564	920663.954	1034213.89	946009.712	981451.908	944876.748	788641.987	957096.241	1129235.83
1381334.77	1495742.17	1209371.52	1443053.3	2184974.81	1896315.01	1644398.04	1455933.46	1411902.21	1533097.34	2090602.87
529995.082	484532.88	453060.956	522389.342	1150760.92	950305.299	662946.131	511056.708	623260.218	576001.103	961367.042
1381334.77	1495742.17	1209371.52	1443053.3	2184974.81	1896315.01	1644398.04	1455933.46	1411902.21	1533097.34	2090602.87
323.01	355.07	293.32	341.01	324.71	308.96	340.31	339	308.88	339.67	353.49
20633.6215	19417.2314	12293.6277	3493.85909	8336.14893	21088.3427	68326.4547	79897.4014	33702.861	14743.6838	970.30824
120528.68	44751.823	29368.6202	4599.46174	17458.1587	34944.7143	138101.982	206674.252	112492.649	26537.3853	1318.29814

8.075266	10.525313	4.427474	1.774076	3.489067	6.813221	14.305902	17.498748	9.090355	7.953035	1.658793
519.478611	478.646221	315.131103	88.981	217.574327	541.482668	1734.48184	2013.71051	816.18371	364.740268	25.331829
23.58218	30.559067	33.096419	34.697561	44.538103	38.684138	30.777923	26.867584	19.00297	27.295797	35.446098
23.577942	30.548598	33.094291	34.348874	42.30995	38.288485	30.705338	26.836765	18.997571	27.290895	35.445515
19941.732	23890.128	17647.422	21614.072	24238.086	22094.432	22771.404	21813.968	17970.07	22095.16	26405.612
59.350392	64.918826	58.05073	61.403613	72.13716	69.0451	64.691488	61.9715	56.156468	62.77034	71.75438
414621.077	347530.315	350668.606	397708.628	1013125.04	824368.649	532223.321	385416.374	518631.753	448868.162	811463.269
414621.077	347530.315	350668.606	397708.628	1013125.04	824368.649	532223.321	385416.374	518631.753	448868.162	811463.269
19422.2534	23411.4818	17332.2909	21525.091	24020.5117	21552.9493	21036.9222	19800.2575	17153.8863	21730.4197	26380.2802
823240.419	983590.363	736656.436	908127.195	1018262.99	916663.119	906261.453	855755.847	747753.376	933772.557	1117755.02
1.79	5.2	2.23	0.09	1.93	3.05	9.03	11.62	2.52	1.36	0.09
-529995.08	-484532.88	-453060.96	-522389.34	-1150760.9	-950305.3	-662946.13	-511056.71	-623260.22	-576001.1	-961367.04
-650523.76	-529284.7	-482429.58	-526988.8	-1168219.1	-985250.01	-801048.11	-717730.96	-735752.87	-602538.49	-962685.34
251.49	272	246.37	285.06	239.49	229.58	254.4	250.16	242.23	257.29	242.58
90520.6093	97503.5953	87175.1623	119510.677	113335.183	103338.885	103066.251	92025.9081	81806.4574	103264.784	126027.187
0.71	0.78	0.7	0.86	0.71	0.77	0.64	0.86	0.67	0.8	0.98
7465.65	8201.7	7360.5	9042.9	7614.75	8258.25	6864	9223.5	7185.75	8580	10510.5
966713.695	1148211.86	858702.914	1045344.67	1171849.77	1071946.36	1112174.72	1070517.08	893270.452	1084229.18	1279139.6
966713.695	1148211.86	858702.914	1045344.67	1171849.77	1071946.36	1112174.72	1070517.08	893270.452	1084229.18	1279139.6
804038.437	955284.674	713697.574	868444.784	977214.041	892734.057	928191.172	891207.289	744842.219	903497.352	1064923.89
19941.732	23890.128	17647.422	21614.072	24238.086	22094.432	22771.404	21813.968	17970.07	22095.16	26405.612
7465.65	8201.7	7360.5	9042.9	7614.75	8258.25	6864	9223.5	7185.75	8580	10510.5
966713.695	1148211.86	858702.914	1045344.67	1171849.77	1071946.36	1112174.72	1070517.08	893270.452	1084229.18	1279139.6
39835.6038	47722.9197	35252.4902	43176.2702	49385.1002	45017.4052	46396.7357	44445.9598	36614.0176	45018.8885	53801.4345
4.05	9.49	1.83	1.27	1.41	5.2	14.07	17.42	6.25	3.89	0.51
0.9	0.3	0.45	0.6	0.45	0.6	0.9	0.6	0.6	0.6	0.9
0.007356	0.002912	0.01389	0.013334	0.018095	0.021149	0.007997	0.010568	0.018532	0.007784	0.006108
0.007351	0.002798	0.013519	0.012386	0.018095	0.020125	0.007982	0.010568	0.018531	0.007784	0.005652
436.42712	224.448233	2298.661	2723.67636	2099.1604	1498.22708	194.558375	374.58214	428.102986	396.302921	1534.7922
1.382346	0.755037	7.52529	7.480839	5.720764	4.17761	0.625357	1.330992	1.588076	1.080906	3.731409
7.41	3.09	12.33	13.08	18.24	19.32	8.43	11.16	17.79	8.22	6.24
0.039702	0.029157	0.024473	0.037528	0.04125	0.0295	0.028267	0.029431	0.025343	0.030482	0.034972
111.15	46.35	184.95	196.2	273.6	289.8	126.45	167.4	266.85	123.3	93.6

2909.72454	1213.36691	4841.6874	5136.19393	7305.64685	7738.21804	3376.45849	4469.90235	7125.40885	3292.34743	2499.30024
1.662579	0.554193	0.831289	1.108386	0.846996	1.129329	1.693993	1.129329	1.129329	1.129329	1.693993
170.203995	70.975755	283.213934	300.441059	418.963679	443.770739	193.632884	256.339619	408.627404	188.80929	143.32968
967.98	1071.81	889.68	1016.37	966.42	931.68	1026.15	1024.92	935.67	1023.81	1065.39
2.880892	2.912527	2.926578	2.887414	2.87625	2.9115	2.915198	2.911704	2.923968	2.908551	2.895081
1008	1104	912	1056	1008	960	1056	1056	960	1056	1104
3	3	3	3	3	3	3	3	3	3	3
7.41	3.09	12.33	13.08	18.24	19.32	8.43	11.16	17.79	8.22	6.24
24.938692	8.312897	12.469346	16.625795	12.704951	16.939935	25.409903	16.939935	16.939935	16.939935	25.409903
24.938692	8.312897	12.469346	16.625795	12.704951	16.939935	25.409903	16.939935	16.939935	16.939935	25.409903
3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878	3570.09138	4726.24197	7534.03626	3481.15672	2642.62992
4146.97495	1420.84487	6763.61978	7017.41984	9968.99685	11791.8023	5199.67162	6691.06025	15655.6917	4847.75632	3189.07674
1067.04641	136.502201	1638.71845	1580.78486	2244.38632	3609.81354	1629.58024	1964.81828	8121.6554	1366.5996	546.446818
4146.97495	1420.84487	6763.61978	7017.41984	9968.99685	11791.8023	5199.67162	6691.06025	15655.6917	4847.75632	3189.07674
2.47	1.03	4.11	4.36	6.08	6.44	2.81	3.72	5.93	2.74	2.08
2643.50142	1059.89444	2826.24033	2712.95863	5625.45013	6683.7617	3375.533	4351.65983	7105.93327	3084.8538	1107.83772
3515.72545	1173.51583	3693.62906	3249.25951	7041.79082	9578.57392	4930.59559	6118.62971	15042.5373	4279.38251	1318.95069
0.15	0.06	0.08495	0.119087	0.088829	0.118964	0.178979	0.119801	0.119693	0.119961	0.118774
6.36	2.55	6.799651	6.527107	13.283285	15.78226	7.970592	10.275505	16.779127	7.284216	2.615919
		415.644876	415.644876	423.498384	423.498384	423.498384	423.498384	423.498384	423.498384	423.498384
		8.312897	4.156448	8.469967	12.704951	12.704951	4.234983	4.234983	4.234983	8.469967
7.41	3.09	12.33	13.08	18.24	19.32	8.43	11.16	17.79	8.22	6.24
0.022053	0.008396	0.040559	0.037159	0.054285	0.060375	0.023948	0.031704	0.055593	0.023352	0.016956
1067.04641	136.502201	1638.71845	1580.78486	2244.38632	3609.81354	1629.58024	1964.81828	8121.6554	1366.5996	546.446818
1067.04641	136.502201	1638.71845	1580.78486	2244.38632	3609.81354	1629.58024	1964.81828	8121.6554	1366.5996	546.446818
1.05	0.54	5.530348	6.552892	4.956714	3.537739	0.459407	0.884494	1.010872	0.935783	3.62408
436.42712	224.448233	2298.661	2723.67636	2099.1604	1498.22708	194.558375	374.58214	428.102986	396.302921	1534.7922
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-1067.0464	-136.5022	-1638.7185	-1580.7849	-2244.3863	-3609.8135	-1629.5802	-1964.8183	-8121.6554	-1366.5996	-546.44682
-4582.7719	-1310.018	-5332.3475	-4830.0444	-9286.1771	-13188.387	-6560.1758	-8083.448	-23164.193	-5645.9821	-1865.3975
750.7429	293.8914	1250.8913	1581.3189	2194.321	2260.0032	867.1087	1062.5024	1630.8229	921.5642	821.4112
0.56	0.14	0.59	0.82	0.63	1.36	0.91	0.56	0.5	0.51	0.66
3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878	3570.09138	4726.24197	7534.03626	3481.15672	2642.62992
3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878	3570.09138	4726.24197	7534.03626	3481.15672	2642.62992

3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878	3570.09138	4726.24197	7534.03626	3481.15672	2642.62992
7.41	3.09	12.33	13.08	18.24	19.32	8.43	11.16	17.79	8.22	6.24
3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878	3570.09138	4726.24197	7534.03626	3481.15672	2642.62992
12.00028	11.767703	12.049684	11.940362	11.682985	11.730678	11.826304	11.869302	12.187455	11.918017	11.59287
0.600415	0.660582	0.581794	0.623098	0.70932	0.685666	0.650487	0.634714	0.548675	0.628251	0.725268
0.573567	0.631622	0.554759	0.595613	0.677562	0.6503	0.622657	0.603656	0.525727	0.601121	0.69433
279344.091	332333.809	245367.413	302098.693	328231.348	300642.153	319342.567	310341.17	252242.1	310616.126	367175.363
972.655938	1180.181	805.083631	838.737877	917.562706	875.02473	1032.84449	1110.42088	925.123873	1003.84981	1001.99187
8286.9	9994.8	7251.82	9015.2	9789.42	8948.14	9424.55	9136.94	7234.01	9098.58	10987.08
0.04372	0.045869	0.048585	0.044772	0.044672	0.052656	0.044602	0.050738	0.043437	0.045539	0.045326
96938.871	115241.284	85204.8101	104941.004	111821.505	102645.966	108926.35	105947.641	85846.3765	105683.647	125090.447
159660.299	189866.987	140212.443	172477.715	188883.921	172779.08	183750.613	178497.637	145635.294	179120.069	211245.158
2.763499	2.7635	2.763499	2.7635	2.8206	2.8206	2.8206	2.8206	2.820599	2.8206	2.8206
108910.822	129473.582	95727.6041	117901.218	126425.393	116051.529	123152.131	119784.403	97057.9133	119485.932	141427.259
13816.33	15098.16	12436.89	14458.32	13802.57	13035.45	14460.9	14368.02	13162.3	14446.71	15106.76
41.120029	41.027608	40.910822	41.074772	41.079077	40.735781	41.082102	40.818238	41.132187	41.041789	41.050978
14448	15824	13072	15136	14448	13760	15136	15136	13760	15136	15824
43	43	43	43	43	43	43	43	43	43	43
8286.9	9994.8	7251.82	9015.2	9789.42	8948.14	9424.55	9136.94	7234.01	9098.58	10987.08
35.26622	34.551826	35.399079	34.930842	34.959757	35.105977	35.429076	35.682856	36.626263	35.674723	34.697684
34.44704	33.804275	34.586222	34.289925	34.278266	34.421109	34.685369	34.8095	35.682865	34.924974	34.028594
284752.007	338469.715	250203.339	307038.617	333747.425	305999.113	324700.11	316919.661	257864.255	316132.203	373327.911
549842.95	602050.772	473168.117	572074.183	835409.574	714835.541	652390.13	572216.333	578400.029	601997.658	826181.688
265090.943	263581.057	222964.778	265035.566	501662.149	408836.428	327690.02	255296.671	320535.774	285865.455	452853.777
549842.95	602050.772	473168.117	572074.183	835409.574	714835.541	652390.13	572216.333	578400.029	601997.658	826181.688
321.31	351.12	289.23	336.24	320.99	303.15	336.3	334.14	306.1	335.97	351.32
						0.583871	1.630097			
						0.808234	3.834443			
						0.009594	0.018603			
						0.019188	0.055809			
22.504327	31.105133	36.556108	22.463507	46.430682	40.786794	29.631431	27.964888	17.870944	22.385897	32.020138
4.725908	9.33154	5.848977	5.615876	10.21475	10.196698	5.926286	8.669115	3.752898	4.25332	6.083826
8286.9	9994.8	7251.82	9015.2	9789.42	8948.14	9424.55	9136.94	7234.01	9098.58	10987.08
24.663392	27.159782	23.854671	25.611363	29.135178	27.962937	26.774289	25.957215	22.606281	25.848238	29.856195

214420.995	203344.438	178428.223	210182.904	443213.048	355183.382	270754.217	199917.839	275663.873	230624.612	387469
214420.995	203344.438	178428.223	210182.904	443213.048	355183.382	270754.217	199917.839	275663.873	230624.612	387469
8286.9	9994.8	7251.82	9015.2	9789.42	8948.14	9424.53081	9136.88419	7234.01	9098.58	10987.08
279344.091	332333.809	245367.413	302098.693	328231.348	300642.153	319342.567	310341.17	252242.1	310616.126	367175.363
-265090.94	-263581.06	-222964.78	-265035.57	-501662.15	-408836.43	-327690.02	-255296.67	-320535.77	-285865.45	-452853.78
-265090.94	-263581.06	-222964.78	-265035.57	-501662.15	-408836.43	-327690.83	-255300.51	-320535.77	-285865.45	-452853.78
2.02	3.2	1.83	2.79	2.5	2.18	2.03	3.94	2.63	2.77	1.71
89102.2415	95217.3944	84832.4733	117315.091	110654.827	100223.576	100190.418	89702.5726	80481.3989	101117.646	124157.765
1.04	1.18	0.93	0.95	1.04	1.01	1.01	1.24	1.06	1.04	1.16
5407.9168	6135.9056	4835.9256	4939.924	5516.0768	5356.9592	5356.9592	6576.8608	5622.1552	5516.0768	6152.5472
335421.955	398706.334	294739.893	361891.28	392196.526	359652.159	381635.913	372298.493	302736.156	371373.046	438712.687
335421.955	398706.334	294739.893	361891.28	392196.526	359652.159	381635.913	372298.493	302736.156	371373.046	438712.687
268571.121	319340.569	235940.047	290378.933	315309.314	288830.609	306902.745	298282.04	242693.207	298606.001	352672.418
8286.9	9994.8	7251.82	9015.2	9789.42	8948.14	9424.55	9136.94	7234.01	9098.58	10987.08
5407.9168	6135.9056	4835.9256	4939.924	5516.0768	5356.9592	5356.9592	6576.8608	5622.1552	5516.0768	6152.5472
335421.955	398706.334	294739.893	361891.28	392196.526	359652.159	381635.913	372298.493	302736.156	371373.046	438712.687
10772.97	12993.24	9427.366	11719.76	12922.0344	11811.5448	12440.406	12060.7608	9548.8932	12010.1256	14502.9456
0.9	0.3	0.45	0.6	0.45	0.6	0.9	0.6	0.6	0.6	0.9
0.00739	0.003152	0.013815	0.013498	0.017967	0.021142	0.007982	0.010549	0.018392	0.007684	0.005818
0.007142	0.003152	0.013815	0.013267	0.016845	0.019281	0.007982	0.010198	0.017781	0.006931	0.005652
423.461665	224.448233	2268.72693	3024.14475	1947.40099	1100.96924	153.148508	355.738642	391.883908	383.549963	1448.36447
1.343092	0.755037	7.397871	8.318592	5.302481	3.044408	0.491551	1.266956	1.458304	1.04806	3.520585
7.2	3.48	12.6	14.01	16.98	18.51	8.43	10.77	17.07	7.32	6.24
0.024791	0.032038	0.031907	0.033693	0.033154	0.037781	0.034318	0.030227	0.029531	0.041619	0.044646
108	52.2	189	210.15	254.7	277.65	126.45	161.55	256.05	109.8	93.6
2827.26271	1366.51031	4947.70975	5501.38203	6800.98046	7413.78965	3376.45849	4313.69608	6837.02806	2931.87143	2499.30024
1.662579	0.554193	0.831289	1.108386	0.846996	1.129329	1.693993	1.129329	1.129329	1.129329	1.693993
165.3804	79.93386	289.415699	321.802694	390.022109	425.165444	193.632884	247.381514	392.089364	168.13674	143.32968
983.01	1068.63	882.9	1020.42	974.58	923.73	1019.76	1024.08	931.65	1012.05	1054.71
2.925625	2.903885	2.904276	2.89892	2.900535	2.886656	2.897045	2.909318	2.911406	2.875142	2.866059
1008	1104	912	1056	1008	960	1056	1056	960	1056	1104
3	3	3	3	3	3	3	3	3	3	3

7.2	3.48	12.6	14.01	16.98	18.51	8.43	10.77	17.07	7.32	6.24
24.938692	8.312897	12.469346	16.625795	12.704951	16.939935	25.409903	16.939935	16.939935	16.939935	25.409903
24.938692	8.312897	12.469346	16.625795	12.704951	16.939935	25.409903	16.939935	16.939935	16.939935	25.409903
2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509	3570.09138	4561.0776	7229.11742	3100.00817	2642.62992
4050.47674	1591.9528	6885.9022	7534.01941	9326.63744	11315.7689	5199.67162	6503.40684	15250.5069	4276.50648	3188.43224
1057.83362	145.508626	1648.77676	1710.83469	2135.63487	3476.81384	1629.58024	1942.32924	8021.38945	1176.4983	545.802318
4050.47674	1591.9528	6885.9022	7534.01941	9326.63744	11315.7689	5199.67162	6503.40684	15250.5069	4276.50648	3188.43224
2.4	1.16	4.2	4.67	5.66	6.17	2.81	3.59	5.69	2.44	2.08
2569.18145	1221.99594	2968.39852	2799.03997	5243.60158	6737.98586	3416.94287	4205.33896	6837.23351	2716.45821	1194.26544
3433.70429	1344.62376	3864.60087	3358.99318	6595.76828	9676.72674	4992.74484	5974.36212	14689.8937	3733.68425	1417.52901
0.149786	0.06	0.087966	0.117384	0.088866	0.119366	0.179967	0.12	0.119486	0.119721	0.12
6.181193	2.94	7.141669	6.73421	12.381633	15.910298	8.068372	9.93	16.14465	6.414329	2.82
431.934195		415.811192	423.216013	447.547164	423.635962	423.498384		423.498384	474.758378	
8.638683		8.316223	12.69648	13.426414	16.945438	4.234983		8.469967	14.242751	
7.2	3.48	12.6	14.01	16.98	18.51	8.43	10.77	17.07	7.32	6.24
0.021428	0.009456	0.041447	0.039801	0.050535	0.057843	0.023948	0.030596	0.053343	0.020795	0.016956
1057.83362	145.508626	1648.77676	1710.83469	2135.63487	3476.81384	1629.58024	1942.32924	8021.38945	1176.4983	545.802318
1057.83362	145.508626	1648.77676	1710.83469	2135.63487	3476.81384	1629.58024	1942.32924	8021.38945	1176.4983	545.802318
1.018806	0.54	5.45833	7.275789	4.598366	2.599701	0.361627	0.84	0.925349	0.90567	3.42
423.461665	224.448233	2268.72693	3024.14475	1947.40099	1100.96924	153.148508	355.738642	391.883908	383.549963	1448.36447
0.02			0.23	0.13	0.76	0.11	0.14	0.2	0.11	
-1057.8336	-145.50863	-1648.7768	-1710.8347	-2135.6349	-3476.8138	-1629.5802	-1942.3292	-8021.3895	-1176.4983	-545.80232
-4491.5379	-1490.1324	-5513.3776	-5069.8279	-8731.4032	-13153.541	-6622.3251	-7916.6914	-22711.283	-4910.1826	-1963.3313
0.02		0.03	0.02	0.13	0.01				0.06	
730.114	330.0376	1279.8121	1691.732	2047.59	2166.0367	867.1087	1026.9935	1566.6114	826.1433	818.6778
0.53	0.16	0.63	0.83	0.61	1.3	0.91	0.53	0.49	0.47	0.67
2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509	3570.09138	4561.0776	7229.11742	3100.00817	2642.62992
2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509	3570.09138	4561.0776	7229.11742	3100.00817	2642.62992
2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509	3570.09138	4561.0776	7229.11742	3100.00817	2642.62992
7.2	3.48	12.6	14.01	16.98	18.51	8.43	10.77	17.07	7.32	6.24
2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509	3570.09138	4561.0776	7229.11742	3100.00817	2642.62992
3.873312	4.417641	3.270163	3.430539	6.130573	7.433304	6.004673	4.439684	3.168795	4.733135	8.444191
0.140272	0.108522	0.07221	0.11094	0.173617	0.191053	0.199465	0.141856	0.135756	0.1658	0.220397
0.133654	0.104559	0.070006	0.107556	0.16488	0.184675	0.195897	0.137914	0.130868	0.162147	0.213945

52342.0014	29636.6918	32773.8405	109959.594	169464.417	142615.751	89232.822	39515.0199	21355.2368	85324.4541	274327.988
165.221045	101.074399	105.353922	298.882708	467.000273	405.032394	280.898988	139.436623	77.020064	250.024574	708.805625
2245.4	1923.9	1064.1	1893	2770	2954.8	3447.8	2427.3	2093.9	2853.8	3936.6
0.035684	0.031725	0.030575	0.027357	0.033229	0.032984	0.026889	0.033309	0.031453	0.02838	0.029375
32581	27699.9	15317.7	27315	40103.6	42738.8	49893.4	35138.1	30431.5	41339.8	56945.4
166879.261	186337.32	127462.724	172382.532	262032.46	238274.821	217818.73	191596.452	174622.897	202010.325	309123.886
1.524801	2.138297	2.219331	1.428185	2.641552	3.059055	1.914768	1.62623	1.239026	1.641832	3.363414
10258.7739	4577.41917	4954.74258	19795.4977	27228.3443	29165.0597	28910.2257	11319.0186	4329.83345	18374.3712	50830.6349
16174.1	17836.8	14748.6	17140.4	16236.8	15453.5	17144.6	17011.5	15506.8	17119.4	17887.4
48.137202	48.469565	48.515131	48.694318	48.323809	48.292187	48.70625	48.328125	48.45875	48.634659	48.607065
16800	18400	15200	17600	16800	16000	17600	17600	16000	17600	18400
50	50	50	50	50	50	50	50	50	50	50
2245.4	1923.9	1064.1	1893	2770	2954.8	3447.8	2427.3	2093.9	2853.8	3936.6
44.129007	53.836604	63.020616	41.546917	65.303309	83.148386	51.52158	46.292561	35.222678	46.481881	92.720176
22.008412	30.625484	31.644773	20.52987	37.847761	43.859812	27.524462	23.382859	17.9462	23.711658	48.530856
167668.747	187026.815	127799.167	173018.368	263232.484	239158.369	218860.14	192312.824	175496.442	202997.643	310609.082
423340.126	272041.415	185240.836	296132.97	511032.98	504085.957	483132.774	415802.715	517522.786	464419.346	585092.361
255671.379	85014.6	57441.6688	123114.602	247800.496	264927.588	264272.634	223489.891	342026.344	261421.702	274483.279
423340.126	272041.415	185240.836	296132.97	511032.98	504085.957	483132.774	415802.715	517522.786	464419.346	585092.361
153.98	155.29	98.82	137.5	259.05	285.61	274.41	192.17	152.36	196.51	336.49
115326.746	157390.123	95025.327	63058.7739	93768.0662	96542.6177	129627.318	152797.804	154141.205	117673.189	36281.0941
257924.925	227477.778	136221.105	103591.532	179829.623	203448.007	271777.18	300176.405	447740.106	258539.779	63041.9788
4.908257	6.308678	4.488756	2.930267	5.722953	7.229516	6.998424	6.639776	4.93784	6.080265	5.272349
1524.33731	1600.42153	713.08831	502.676095	864.783112	916.619466	1431.41262	1635.20592	1790.02854	1565.00063	401.869229
111.858348	111.649923	158.940359	106.951585	109.591134	104.347552	91.818107	94.578047	93.364752	94.253945	105.919862
29.041088	32.363578	33.377475	24.561373	42.70016	49.943693	32.978659	25.500129	19.604232	31.095788	61.288521
2245.4	1923.9	1064.1	1893	2770	2954.8	3447.8	2427.3	2093.9	2853.8	3936.6
6.682738	5.227989	3.500328	5.37784	8.244047	9.23375	9.794886	6.895738	6.543437	8.107386	10.697282
255671.379	85014.6	57441.6688	123114.602	247800.496	264927.588	264272.634	223489.891	342026.344	261421.702	274483.279
255671.379	85014.6	57441.6688	123114.602	247800.496	264927.588	264272.634	223489.891	342026.344	261421.702	274483.279
721.062685	323.478474	351.011689	1390.3239	1905.21689	2038.18053	2016.38738	792.094075	303.871464	1288.79937	3534.73077
52342.0014	29636.6918	32773.8405	109959.594	169464.417	142615.751	89232.822	39515.0199	21355.2368	85324.4541	274327.988
33.2	26.38	13.94	14.95	24.49	21.22	28.42	25.23	30.06	35.08	18.25
-255671.38	-85014.6	-57441.669	-123114.6	-247800.5	-264927.59	-264272.63	-223489.89	-342026.34	-261421.7	-274483.28
-513596.3	-312492.38	-193662.77	-226706.13	-427630.12	-468375.6	-536049.81	-523666.3	-789766.45	-519961.48	-337525.26

5.02	2	1.35	9.58	11.9	9.17	4.96	1.5	2	10.8	46.47
24917.7711	19131.6129	11360.1877	24574.8535	36710.9547	37510.8226	39672.1399	25251.1194	22060.6149	34235.0305	55584.6477
0.26	0.4	0.15	0.27	0.66	0.2	0.24	0.16	0.35	0.34	0.64
220.604	309.396	127.694	232.046	529.4	188.604	218.482	130.716	307.649	284.774	556.476
167668.747	187026.815	127799.167	173018.368	263232.484	239158.369	218860.14	192312.824	175496.442	202997.643	310609.082
167668.747	187026.815	127799.167	173018.368	263232.484	239158.369	218860.14	192312.824	175496.442	202997.643	310609.082
166879.261	186337.32	127462.724	172382.532	262032.46	238274.821	217818.73	191596.452	174622.897	202010.325	309123.886
2245.4	1923.9	1064.1	1893	2770	2954.8	3447.8	2427.3	2093.9	2853.8	3936.6
220.604	309.396	127.694	232.046	529.4	188.604	218.482	130.716	307.649	284.774	556.476
167668.747	187026.815	127799.167	173018.368	263232.484	239158.369	218860.14	192312.824	175496.442	202997.643	310609.082
568.882	380.099	208.749	403.79	670.623999	694.943999	822.927999	585.655999	565.895999	702.543999	928.719999
0.41	2.01	0.83	1.68	0.99	1.7	3.76	3.44	1.01	1.78	1.02
0.75	0.3	0.45	0.6	0.45	0.6	0.9	0.6	0.6	0.6	0.9
0.007232	0.003152	0.013717	0.013059	0.017701	0.021032	0.008263	0.010786	0.018544	0.007462	0.005842
0.007232	0.003152	0.013717	0.012613	0.017321	0.01875	0.007642	0.010142	0.017906	0.007301	0.005842
507.930208	299.932831	2798.13357	3894.71292	2187.69376	1747.04524	160.204517	448.346769	477.604	382.453243	1974.56448
1.610346	1.008966	9.136787	10.710067	5.972777	4.875788	0.510154	1.592202	1.784032	1.060384	4.793443
9.72	4.64	16.68	17.76	23.28	24	10.76	14.28	22.92	10.28	8.6
0.025773	0.029048	0.029276	0.03159	0.038392	0.017812	0.025142	0.029346	0.034781	0.033607	0.038396
145.8	69.6	250.2	266.4	349.2	360	161.4	214.2	343.8	154.2	129
3816.80466	1822.01375	6549.82528	6973.91469	9324.31243	9612.69322	4309.6908	5719.55247	9180.12203	4117.43693	3444.5484
1.388577	0.555431	0.833146	1.110862	0.849807	1.133077	1.699615	1.133077	1.133077	1.133077	1.699615
232.28856	110.88672	398.61864	424.42848	567.45	585	262.275	348.075	558.675	250.575	209.625
1309.36	1429.24	1180.4	1363.52	1292.4	1257.2	1372.6	1366.68	1235.48	1360.68	1415.48
3.896904	3.883804	3.882894	3.873636	3.846428	3.92875	3.899431	3.882613	3.860875	3.865568	3.846413
1344	1472	1216	1408	1344	1280	1408	1408	1280	1408	1472
4	4	4	4	4	4	4	4	4	4	4
9.72	4.64	16.68	17.76	23.28	24	10.76	14.28	22.92	10.28	8.6
20.828668	8.331467	12.497201	16.662935	12.747116	16.996155	25.494233	16.996155	16.996155	16.996155	25.494233
20.828668	8.331467	12.497201	16.662935	12.747116	16.996155	25.494233	16.996155	16.996155	16.996155	25.494233
4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932	4571.9658	6067.62747	9738.79703	4368.01193	3654.1734
5460.18588	2122.60373	9131.25048	9573.10707	12765.069	14645.1779	6674.77111	8607.58339	20249.6982	6116.53937	4387.5926
1411.09266	189.703261	2182.80656	2174.7639	2873.3066	4447.48466	2102.80531	2539.95592	10510.9012	1748.52744	733.419197
5460.18588	2122.60373	9131.25048	9573.10707	12765.069	14645.1779	6674.77111	8607.58339	20249.6982	6116.53937	4387.5926

2.43	1.16	4.17	4.44	5.82	6	2.69	3.57	5.73	2.57	2.15
3541.16301	1632.96764	4150.31036	3503.63025	7704.06866	8450.64799	4411.76128	5619.2807	9261.19303	3985.55869	1679.60892
4706.58863	1792.83168	5394.28971	4184.4559	9653.66142	12024.0481	6476.40597	7936.90401	19569.5595	5587.8704	1991.52687
0.199858	0.08	0.117256	0.157059	0.117523	0.159235	0.239591	0.159929	0.159978	0.159869	0.140136
8.500694	3.92	9.962975	8.410595	18.13132	19.888375	10.382962	13.224827	21.795971	9.379906	3.952914
555.5158	458.278175	456.018318	488.448358	547.06093	612.075325	488.245924	597.285525	594.828482	525.865864	485.389166
16.665474	4.582781	13.680549	14.65345	16.411827	24.483013	14.647377	11.94571	11.896569	21.034634	29.123349
9.72	4.64	16.68	17.76	23.28	24	10.76	14.28	22.92	10.28	8.6
0.028928	0.012608	0.054868	0.050454	0.069285	0.075	0.030568	0.040568	0.071625	0.029204	0.023369
1411.09266	189.703261	2182.80656	2174.7639	2873.3066	4447.48466	2102.80531	2539.95592	10510.9012	1748.52744	733.419197
1411.09266	189.703261	2182.80656	2174.7639	2873.3066	4447.48466	2102.80531	2539.95592	10510.9012	1748.52744	733.419197
1.219305	0.72	6.717024	9.349404	5.148679	4.111624	0.377037	1.055172	1.124028	0.900093	4.647085
507.930208	299.932831	2798.13357	3894.71292	2187.69376	1747.04524	160.204517	448.346769	477.604	382.453243	1974.56448
2.11	0.91	1.4	1.88	4.46	4.98	2.58	3.3	5.44	2.33	1.02
-1411.0927	-189.70326	-2182.8066	-2174.7639	-2873.3066	-4447.4847	-2102.8053	-2539.9559	-10510.901	-1748.5274	-733.4192
-6117.6813	-1982.5349	-7577.0963	-6359.2198	-12526.968	-16471.533	-8579.2113	-10476.86	-30080.461	-7336.3978	-2724.9461
0.29	0.18	0.68	0.84	1.02	1	0.08	0.26	0.28	0.22	1.11
738.5604	330.0376	1270.3054	1609.7918	2093.9199	2098.8125	832.6745	1018.8376	1574.7092	858.362	847.3109
0.55	0.16	0.61	0.79	0.61	1.28	0.88	0.56	0.49	0.48	0.7
4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932	4571.9658	6067.62747	9738.79703	4368.01193	3654.1734
4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932	4571.9658	6067.62747	9738.79703	4368.01193	3654.1734
4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932	4571.9658	6067.62747	9738.79703	4368.01193	3654.1734
9.72	4.64	16.68	17.76	23.28	24	10.76	14.28	22.92	10.28	8.6
4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932	4571.9658	6067.62747	9738.79703	4368.01193	3654.1734
10.805188	10.616921	10.867101	10.783583	10.552242	10.590606	10.684692	10.706691	10.914621	10.733962	10.481736
0.416364	0.475748	0.396716	0.432879	0.544646	0.51179	0.469908	0.445429	0.37525	0.452155	0.55855
0.390937	0.448896	0.378316	0.410222	0.507227	0.482458	0.447386	0.418198	0.354453	0.426802	0.529422
299447.749	372791.119	263164.586	327629.21	387905.97	352091.162	360114.986	335224.923	266208.373	346508.996	443575.117
1042.58797	1322.57402	862.659005	909.35206	1083.95902	1025.7658	1162.01547	1196.31895	975.649733	1118.14192	1204.64538
7697.4	9680.358	6739.48	8461.742	9987.104	9047.068	9228.322	8626.256	6646.716	8803.746	11416.9
0.055476	0.058777	0.047565	0.056051	0.064791	0.058437	0.051221	0.059005	0.055093	0.057187	0.051739
80441.5591	99954.8081	70672.5504	88046.8334	102236.468	93007.4446	95458.9591	89599.7384	69974.5697	91319.2024	116885.035
132788.165	165461.762	116811.777	145036.971	173145.264	156761.59	161195.133	150893.999	119355.962	154769.847	198032.398
3.649499	3.649499	3.649499	3.649499	3.724299	3.724299	3.724299	3.724299	3.724299	3.724299	3.7243

161647.313	200859.187	142016.49	176930.112	207979.646	189205.044	194192.161	182272.748	142349.267	185770.653	237779.227
18597.296	20297.282	16967.044	19471.022	18413.878	17656.18	19570.642	19410.078	17718.882	19447.582	20449.056
55.349095	55.155657	55.812644	55.315403	54.803208	55.175562	55.598414	55.142267	55.371506	55.248812	55.568086
19689.6	21564.8	17814.4	20627.2	19689.6	18752	20627.2	20627.2	18752	20627.2	21564.8
58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999
7697.4	9680.358	6739.48	8461.742	9987.104	9047.068	9228.322	8626.256	6646.716	8803.746	11416.9
44.917155	44.672433	46.151647	46.264627	44.921133	44.804691	45.944689	45.811865	47.281959	46.013237	44.214565
40.091517	39.403211	40.319227	40.019104	39.979589	40.129548	40.474863	40.559522	41.31715	40.648821	39.72119
326251.821	405363.901	289530.961	360665.405	420883.756	382198.581	392464.412	370315.739	291973.425	374922.512	477024.011
631130.932	697103.566	559054.749	689310.385	976854.61	856997.086	754390.27	652489.108	680154.181	713263.009	977314.702
304879.111	291739.665	269523.787	328644.98	555970.855	474798.504	361925.858	282173.369	388180.756	338340.497	500290.691
631130.932	697103.566	559054.749	689310.385	976854.61	856997.086	754390.27	652489.108	680154.181	713263.009	977314.702
317.36	346.37	289.54	332.27	314.23	301.3	333.97	331.23	302.37	331.87	348.96
144.986787	15.669783	179.132817	7.24046	10.170833	27.478499	1547.56651	3807.67812	16.623139	18.051988	
1553.12798	23.341411	520.164662	7.072885	13.182927	37.094222	3044.56337	12308.7965	26.564027	30.154414	
0.196065	0.39	0.244143	0.089987	0.26	0.457273	1.580796	1.238137	0.318278	0.268634	
4.101976	0.39	5.038186	0.179975	0.26	0.70514	42.630184	108.975701	0.406248	0.444855	
27.755948	36.107699	35.121931	37.039819	43.483911	38.860802	33.247391	30.112047	18.594465	29.987628	36.251547
20.260635	27.441851	28.097545	28.891059	30.438737	29.915086	27.511843	24.08335	12.830181	21.89039	30.451299
7697.4	9680.358	6739.48	8461.742	9987.104	9047.068	9228.322	8626.256	6646.716	8803.746	11416.9
22.908928	26.30532	22.169342	24.039039	29.723523	28.272087	26.216823	24.506409	20.770987	25.010642	31.024184
262832.308	239493.287	232583.245	282622.9	502531.853	426183.513	312029.46	235339.585	351605.048	290607.95	439194.883
262832.308	239493.287	232583.245	282622.9	502531.853	426183.513	312029.46	235339.585	351605.048	290607.95	439194.883
7693.29802	9679.968	6734.44181	8461.56202	9986.844	9046.36286	9185.69182	8517.2803	6646.30975	8803.30114	11416.9
299447.749	372791.119	263164.586	327629.21	387905.97	352091.162	360114.986	335224.923	266208.373	346508.996	443575.117
				0.01	0.01	0.11	0.22			
-304879.11	-291739.67	-269523.79	-328644.98	-555970.85	-474798.5	-361925.86	-282173.37	-388180.76	-338340.5	-500290.69
-306432.24	-291763.01	-270043.95	-328652.05	-555984.04	-474835.6	-364970.42	-294482.17	-388207.32	-338370.65	-500290.69
15.95	16.08	15.31	15.49	13.6	13.91	13.54	15.31	13.4	14.33	16.54
83620.1934	87677.3898	80884.5113	108447.984	100576.165	92603.6613	93242.17	83833.6023	75019.6126	93802.3528	115939.864
1.13	1.38	1.11	1.4	1.37	1.25	1.28	1.3	1.07	1.18	1.39
26659.0848	32557.1124	26187.2425	33028.9546	32967.6151	30079.9408	30801.8593	31283.1384	25748.4293	28395.4641	33448.8941
368298.624	457610.279	326471.503	406687.484	474322.757	430813.573	442360.81	417149.523	328549.133	422655.059	538119.819
368298.624	457610.279	326471.503	406687.484	474322.757	430813.573	442360.81	417149.523	328549.133	422655.059	538119.819

294435.478	366320.949	258828.267	321967.083	381124.91	345966.634	355387.294	333166.747	261705.229	340540.5	435811.625
7697.4	9680.358	6739.48	8461.742	9987.104	9047.068	9228.322	8626.256	6646.716	8803.746	11416.9
26659.0848	32557.1124	26187.2425	33028.9546	32967.6151	30079.9408	30801.8593	31283.1384	25748.4293	28395.4641	33448.8941
368298.624	457610.279	326471.503	406687.484	474322.757	430813.573	442360.81	417149.523	328549.133	422655.059	538119.819
5157.258	6485.83986	4515.4516	5669.36714	6791.23072	6152.00624	6275.25896	5865.85408	4519.76688	5986.54728	7763.492
0.01	0.01	0.01	0.02	0.01	0.04	0.16	0.23	0.01	0.02	
3.9	3.9	2.55	3.15	6.15	7.35	5.1	4.2	2.85	4.8	7.95
0.136141	0.099909	0.06648	0.106305	0.165622	0.183553	0.19182	0.137868	0.132354	0.161271	0.211765
0.129494	0.09625	0.06648	0.103522	0.160178	0.178375	0.18571	0.132045	0.130156	0.15034	0.205326
10523.3885	5574.48981	5983.5094	20648.6932	35913.6173	29605.1291	19712.0657	7749.42479	3785.79251	15781.1331	69502.4689
32.919277	19.078533	19.288312	55.614489	98.488461	83.735789	62.053254	27.429732	13.674603	45.320459	178.149491
609.14	495.88	282.94	510.16	753.48	799.12	915.18	650.72	583.1	740.88	1057.84
0.035535	0.034429	0.027171	0.020852	0.024702	0.028718	0.035568	0.037954	0.03175	0.031761	0.023423
9137.1	7438.2	4244.1	7652.4	11302.2	11986.8	13727.7	9760.8	8746.5	11113.2	15867.6
45892.9302	50836.9977	34059.2277	47157.7695	72365.3092	66697.4423	59980.1803	53073.4469	50201.6705	54689.813	85820.8326
1.473012	1.651191	1.898861	1.330623	2.514403	2.852835	1.628835	1.494955	1.100534	1.554561	2.908411
2188.73579	824.05148	984.272587	4246.68312	6199.2266	6753.2255	7138.62038	2635.80189	720.022625	3417.10482	13118.7009
4536.84	4974.62	4140.36	4825.24	4587.8	4351.34	4752.72	4740.96	4337.76	4771.48	5031.32
13.5025	13.517989	13.619605	13.708068	13.654166	13.597937	13.502045	13.468636	13.5555	13.55534	13.672065
4704	5152	4256	4928	4704	4480	4928	4928	4480	4928	5152
14	14	14	14	14	14	14	14	14	14	14
609.14	495.88	282.94	510.16	753.48	799.12	915.18	650.72	583.1	740.88	1057.84
22.411311	24.935926	28.494593	20.095818	38.176386	42.880013	24.521681	22.570319	16.571839	23.591292	43.924733
22.411311	24.935926	28.494593	20.095818	38.176386	42.880013	24.521681	22.570319	16.571839	23.591292	43.924733
46018.9302	51004.9977	34080.2277	47283.7695	72701.3092	66760.4423	60137.6803	53199.4469	50348.6705	54878.813	86167.3326
116810.253	73072.8327	49488.3568	80109.9073	141066.328	142433.992	130384.807	112797.556	148927.807	122384.273	159452.486
70791.3225	22067.835	15408.1291	32826.1378	68365.019	75673.55	70247.1272	59598.1091	98579.1369	67505.4596	73285.1531
116810.253	73072.8327	49488.3568	80109.9073	141066.328	142433.992	130384.807	112797.556	148927.807	122384.273	159452.486
101.35	90.16	63.41	77.36	150.71	162.28	135.86	99.03	98.93	109.7	180.83
35495.5417	45430.5079	28096.7183	26635.0763	36787.6919	37155.3132	40425.6146	45450.0221	46562.878	39097.6799	16664.8636
80152.7489	64848.4337	40621.3376	44474.7505	70337.4352	78506.9779	83271.5779	87482.4339	136465.855	86123.4586	29226.6305
3.398528	3.351381	2.127522	2.261635	4.330936	5.488112	4.35739	3.724131	2.639558	3.911835	4.719189
463.22428	440.943234	217.321827	227.047792	340.198226	348.904966	439.271974	474.999873	535.098491	513.073012	183.25994
89.241005	103.718449	154.176991	99.473379	100.149775	103.170285	89.732954	81.509068	83.793314	76.759239	89.138484

23.151527	22.453335	21.584778	20.877893	38.746263	44.363222	25.103023	15.486722	11.731064	24.436121	47.098524
609.14	495.88	282.94	510.16	753.48	799.12	915.18	650.72	583.1	740.88	1057.84
1.812916	1.3475	0.930723	1.449318	2.2425	2.49725	2.599943	1.848636	1.822187	2.104772	2.874565
70791.3225	22067.835	15408.1291	32826.1378	68365.019	75673.55	70247.1272	59598.1091	98579.1369	67505.4596	73285.1531
70791.3225	22067.835	15408.1291	32826.1378	68365.019	75673.55	70247.1272	59598.1091	98579.1369	67505.4596	73285.1531
145.915719	54.936765	65.618172	283.112207	413.281773	450.215033	475.908025	175.720126	48.001508	227.806987	874.580059
10523.3885	5574.48981	5983.5094	20648.6932	35913.6173	29605.1291	19712.0657	7749.42479	3785.79251	15781.1331	69502.4689
5.22	7.83	4.28	3.54	4.59	4.74	4.56	5.14	4.22	5.49	2.79
-70791.322	-22067.835	-15408.129	-32826.138	-68365.019	-75673.55	-70247.127	-59598.109	-98579.137	-67505.46	-73285.153
-150944.07	-86916.269	-56029.467	-77300.888	-138702.45	-154180.53	-153518.71	-147080.54	-235044.99	-153628.92	-102511.78
1.21	0.71	0.84	2.88	3.59	3.43	1.08	0.3	0.4	2.15	11.58
12826.368	10082.0806	6185.8787	13236.8334	19302.2533	19787.605	20467.7516	13097.1626	11449.2432	17040.4573	29127.6087
0.12	0.16	0.02	0.12	0.32	0.06	0.15	0.12	0.14	0.18	0.33
126	168	21	126	336	63	157.5	126	147	189	346.5
46018.9302	51004.9977	34080.2277	47283.7695	72701.3092	66760.4423	60137.6803	53199.4469	50348.6705	54878.813	86167.3326
46018.9302	51004.9977	34080.2277	47283.7695	72701.3092	66760.4423	60137.6803	53199.4469	50348.6705	54878.813	86167.3326
45892.9302	50836.9977	34059.2277	47157.7695	72365.3092	66697.4423	59980.1803	53073.4469	50201.6705	54689.813	85820.8326
609.14	495.88	282.94	510.16	753.48	799.12	915.18	650.72	583.1	740.88	1057.84
126	168	21	126	336	63	157.5	126	147	189	346.5
46018.9302	51004.9977	34080.2277	47283.7695	72701.3092	66760.4423	60137.6803	53199.4469	50348.6705	54878.813	86167.3326
0.52	1.37	0.4	1.16	0.81	1.06	1.65	2.46	0.51	1.18	0.56

11.411087	11.212386	11.415053	11.361461	11.177751	11.23733	11.334846	11.323429	11.525694	11.363674	11.14646
0.358085	0.381431	0.32718	0.35745	0.443777	0.430905	0.405133	0.373992	0.33397	0.384556	0.462157
0.342812	0.367165	0.315246	0.345485	0.426088	0.413727	0.390938	0.359159	0.320789	0.369764	0.444772
1615143.79	1870812.81	1463685.69	1932391.26	2333262.03	2054950.95	1895729.09	1662118.91	1370113.17	1882703.12	2685958.6
5566.645	6616.45177	4787.83765	5351.47399	6505.7227	5953.87357	6098.36553	5925.4815	5015.74962	6010.2864	7224.23831
42284.422	49601.476	35181.052	44643.324	52556.13	48601.37	50516.716	46410.354	37683.756	47780.666	60085.552
0.036902	0.034846	0.033307	0.033365	0.037086	0.036661	0.033279	0.036552	0.035039	0.035583	0.036195
473211.102	546710.251	392648.18	496885.446	576937.983	537135.947	563080.731	516775.601	425789.449	532563.156	661107.976
1077622.06	1295312.1	999770.866	1192614.26	1546333.68	1386104.68	1294144.91	1211131.5	1064448.67	1231114.01	1649721.53
3.58877	3.693135	3.749862	3.647689	3.870505	3.812788	3.630767	3.668514	3.6932	3.645156	3.789766
713004.845	854577.829	631807.349	774482.563	870808.071	796996.172	824855.46	790662.907	648207.462	798877.349	960559.29
34131.7131	23273.1307	20305.1863	51818.1616	77332.0159	76501.6601	71637.2188	33394.7691	16603.1545	52459.7067	122033.611
118369.096	130016.932	107504.054	124734.162	118618.553	112678.845	124579.172	124048.888	113041.752	124328.997	129959.631

352.288976	353.30688	353.631756	354.358414	353.031407	352.12139	353.918102	352.411613	353.255475	353.207377	353.151171
123345.6	135092.8	111598.4	129219.2	123345.6	117472	129219.2	129219.2	117472	129219.2	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
42284.422	49601.476	35181.052	44643.324	52556.13	48601.37	50516.716	46410.354	37683.756	47780.666	60085.552
300.05822	270.733014	295.204137	269.782636	315.52735	355.329851	329.709393	285.340507	265.992679	286.994743	394.223446
42.725602	43.196108	44.383598	43.17581	45.217233	44.802165	43.069111	43.424226	44.365943	43.318683	44.331134
1922788.2	2302389.61	1741259.44	2107016.64	2585757.33	2339519.77	2277930.42	2151023.62	1834918.04	2180568.91	2804736.06
3714621.55	3625847.18	2906302.08	3605663.26	5528311.31	4944339.58	4344620.72	3819443.3	4158612.13	4069572.24	5487989.3
1791833.35	1323457.58	1165042.64	1498646.62	2942553.98	2604819.81	2066690.3	1668419.68	2323694.1	1889003.33	2683253.24
3714621.55	3625847.18	2906302.08	3605663.26	5528311.31	4944339.58	4344620.72	3819443.3	4158612.13	4069572.24	5487989.3
1344.73	1422.1	1126.54	1344.85	1599.47	1571.5	1597.62	1442.48	1293.54	1457.93	1805.23
268111.759	384682.08	239190.081	127613.608	206396.857	240873.666	339178.516	441821.209	426248.53	255374.252	68665.523
652938.219	586464.957	352936.86	197898.525	363834.469	458827.36	695916.649	920072.98	1251394.09	523649.547	112417.953
2.890916	3.91538	2.234951	1.227793	2.443159	3.312897	4.163911	4.797607	3.257508	3.150663	1.917808
3700.17994	4232.95326	1852.36304	937.13972	1727.2862	2211.29605	4591.46485	5914.23197	5059.33976	3362.65939	678.357724
38.256172	44.603519	43.902131	43.724193	59.401125	57.42551	47.454955	37.778476	29.55459	43.142163	60.429159
38.228925	44.509363	43.874456	43.696121	59.327075	57.386127	47.389491	37.731555	29.498912	43.097641	60.360503
42284.422	49601.476	35181.052	44643.324	52556.13	48601.37	50516.716	46410.354	37683.756	47780.666	60085.552
125.846494	134.786619	115.727144	126.827625	156.417053	151.879281	143.513397	131.847596	117.761737	135.740528	163.275956
1583742.6	1073972.01	981173.191	1273091.16	2693030	2376615.12	1829135.29	1440566.73	2137618.02	1658897	2406868.88
1583742.6	1073972.01	981173.191	1273091.16	2693030	2376615.12	1829135.29	1440566.73	2137618.02	1658897	2406868.88
38584.2421	45368.5227	33328.689	43706.1843	50828.8438	46390.074	45925.2511	40496.122	32624.4162	44418.0066	59407.1943
1615143.79	1870812.81	1463685.69	1932391.26	2333262.03	2054950.95	1895729.09	1662118.91	1370113.17	1882703.12	2685958.6
48.81	52.64	28.71	21.95	39.67	38.48	50.78	51.91	48.06	49.54	23.15
-1791833.4	-1323457.6	-1165042.6	-1498646.6	-2942554	-2604819.8	-2066690.3	-1668419.7	-2323694.1	-1889003.3	-2683253.2
-2444771.6	-1909922.5	-1517979.5	-1696545.1	-3306388.5	-3063647.2	-2762607	-2588492.7	-3575088.2	-2412652.9	-2795671.2
280.88	298.34	271	325.32	292.55	272.8	280	273.58	262.16	293.88	342.5
321474.381	328513.727	286536.342	408684.267	419060.999	389779.745	385173.557	325921.3	291408.501	375774.026	495419.267
5.28	4.96	5.02	6.5	6.63	7.78	6.48	5.78	5.24	5.54	7.44
40131.4049	47712.1818	38691.488	47633.5364	47374.8437	44265.8089	43680.8719	47603.6391	39305.1602	43278.8067	51540.786
2130878.95	2551875.17	1925128.89	2332572.1	2835281.31	2567724.45	2515485.43	2378876.57	2020994.11	2410675.24	3081120.42
2130878.95	2551875.17	1925128.89	2332572.1	2835281.31	2567724.45	2515485.43	2378876.57	2020994.11	2410675.24	3081120.42
1790626.9	2149889.93	1631578.22	1967096.83	2417141.75	2183100.85	2119000.37	2001794.41	1712656.13	2029991.36	2610280.82
42284.422	49601.476	35181.052	44643.324	52556.13	48601.37	50516.716	46410.354	37683.756	47780.666	60085.552

40131.4049	47712.1818	38691.488	47633.5364	47374.8437	44265.8089	43680.8719	47603.6391	39305.1602	43278.8067	51540.786
2130878.95	2551875.17	1925128.89	2332572.1	2835281.31	2567724.45	2515485.43	2378876.57	2020994.11	2410675.24	3081120.42
92029.8898	104787.495	70989.7368	92286.2814	121240.733	112153.11	115249.181	101625.566	82956.7435	107298.744	142914.456
6.01	16.45	4.24	4.49	3.59	8.69	20.76	26.5	9.26	8.44	2.32

4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4	882536.442	657701.357	417357.71	1003714.19	2151641.57
2387.07028	2892.05738	2964.92819	4245.56174	4309.88382	3546.64796	2809.92096	2338.16753	1517.98536	3104.49252	5726.06132
-97074.625	-103943.34	-92980.688	-127211.85	-120564.48	-110260.81	-109116.59	-98497.558	-87485.997	-110163.87	-135316.91
97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811	109116.591	98497.5577	87485.9966	110163.868	135316.906
708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4	882536.442	657701.357	417357.71	1003714.19	2151641.57
280.79	298.07	270.6	325.17	292.2	272.26	279.98	273.11	262.44	293.65	341.88
237.509692	217.11728	234.975378	289.315539	261.258122	264.997736	223.308085	197.606031	193.582117	260.122938	305.55554
133.125876	119.309497	144.062282	182.735488	151.169095	148.320465	125.339411	109.560867	117.138487	143.326364	169.091388
41898.2301	38184.2025	42110.6354	62373.0926	48379.9396	43919.2684	40098.5729	33929.0124	34933.9921	47050.8792	60288.6681
-97074.625	-103943.34	-92980.688	-127211.85	-120564.48	-110260.81	-109116.59	-98497.558	-87485.997	-110163.87	-135316.91
-288.91257	-282.45472	-305.85753	-361.39731	-358.82286	-344.56503	-309.99031	-279.82261	-273.39374	-312.96553	-367.70898
-4546665.2	-4802225.2	-4269610.1	-5957121.1	-8177246.1	-6996905.4	-5732256	-4692165.7	-4302503.8	-5473463.6	-8502136.4
-46.578053	-46.214743	-45.990498	-46.968371	-67.877114	-63.505439	-52.642523	-47.598117	-49.246347	-49.82679	-63.014865
-4546665.2	-4802225.2	-4269610.1	-5957121.1	-8177246.1	-6996905.4	-5732256	-4692165.7	-4302503.8	-5473463.6	-8502136.4
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
5255080.03	5625591.66	5185044.23	7499620.49	9732513.2	8227721.81	6614792.49	5349867.04	4719861.48	6477177.84	10653778
97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811	109116.591	98497.5577	87485.9966	110163.868	135316.906
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41

4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4	882536.442	657701.357	417357.71	1003714.19	2151641.57
2387.07028	2892.05738	2964.92819	4245.56174	4309.88382	3546.64796	2809.92096	2338.16753	1517.98536	3104.49252	5726.06132
-97074.625	-103943.34	-92980.688	-127211.85	-120564.48	-110260.81	-109116.59	-98497.558	-87485.997	-110163.87	-135316.91
97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811	109116.591	98497.5577	87485.9966	110163.868	135316.906
708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4	882536.442	657701.357	417357.71	1003714.19	2151641.57
280.79	298.07	270.6	325.17	292.2	272.26	279.98	273.11	262.44	293.65	341.88

237.509692	217.11728	234.975378	289.315539	261.258122	264.997736	223.308085	197.606031	193.582117	260.122938	305.55554
133.125876	119.309497	144.062282	182.735488	151.169095	148.320465	125.339411	109.560867	117.138487	143.326364	169.091388
41898.2301	38184.2025	42110.6354	62373.0926	48379.9396	43919.2684	40098.5729	33929.0124	34933.9921	47050.8792	60288.6681
-97074.625	-103943.34	-92980.688	-127211.85	-120564.48	-110260.81	-109116.59	-98497.558	-87485.997	-110163.87	-135316.91
-288.91257	-282.45472	-305.85753	-361.39731	-358.82286	-344.56503	-309.99031	-279.82261	-273.39374	-312.96553	-367.70898
-4546665.2	-4802225.2	-4269610.1	-5957121.1	-8177246.1	-6996905.4	-5732256	-4692165.7	-4302503.8	-5473463.6	-8502136.4
-46.578053	-46.214743	-45.990498	-46.968371	-67.877114	-63.505439	-52.642523	-47.598117	-49.246347	-49.82679	-63.014865
-4546665.2	-4802225.2	-4269610.1	-5957121.1	-8177246.1	-6996905.4	-5732256	-4692165.7	-4302503.8	-5473463.6	-8502136.4
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
5255080.03	5625591.66	5185044.23	7499620.49	9732513.2	8227721.81	6614792.49	5349867.04	4719861.48	6477177.84	10653778
97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811	109116.591	98497.5577	87485.9966	110163.868	135316.906
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41

5480.35683	6866.64312	5836.93922	6879.08198	6799.58042	6702.32081	7344.41445	7900.44891	6638.9579	5897.39767	4750.4578
251316.889	315439.19	266266.733	322464.372	460813.421	424345.481	381128.157	371836.67	324256.756	286685.879	290819.212
5480.35683	6866.64312	5836.93922	6879.08198	6799.58042	6702.32081	7344.41445	7900.44891	6638.9579	5897.39767	4750.4578
16.310585	18.659356	19.200457	19.542846	20.236846	20.944752	20.864813	22.444457	20.746743	16.75397	12.908852
251316.889	315439.19	266266.733	322464.372	460813.421	424345.481	381128.157	371836.67	324256.756	286685.879	290819.212
251316.889	315439.19	266266.733	322464.372	460813.421	424345.481	381128.157	371836.67	324256.756	286685.879	290819.212
5480.35683	6866.64312	5836.93922	6879.08198	6799.58042	6702.32081	7344.41445	7900.44891	6638.9579	5897.39767	4750.4578

-251316.89	-315439.19	-266266.73	-322464.37	-460813.42	-424345.48	-381128.16	-371836.67	-324256.76	-286685.88	-290819.21
-251316.89	-315439.19	-266266.73	-322464.37	-460813.42	-424345.48	-381128.16	-371836.67	-324256.76	-286685.88	-290819.21
97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811	109116.591	98497.5577	87485.9966	110163.868	135316.906

5480.35683	6866.64312	5836.93922	6879.08198	6799.58042	6702.32081	7344.41445	7900.44891	6638.9579	5897.39767	4750.4578
5480.35683	6866.64312	5836.93922	6879.08198	6799.58042	6702.32081	7344.41445	7900.44891	6638.9579	5897.39767	4750.4578
251316.889	315439.19	266266.733	322464.372	460813.421	424345.481	381128.157	371836.67	324256.756	286685.879	290819.212
251316.889	315439.19	266266.733	322464.372	460813.421	424345.481	381128.157	371836.67	324256.756	286685.879	290819.212
6152.76596	7707.48512	6557.35564	7727.38626	7639.50338	7531.76463	8250.38959	8886.84895	7461.46663	6612.61233	5345.70492
282200.448	353968.887	299088.97	362352.683	517743.033	476817.327	428100.729	418393.54	364442.382	321567.894	327256.416
36.026751	30.013768	114.931882	29.365902	33.672229	115.458956	13.363108	40.774194	4.70734	28.803019	10.351165
1.080802	2.100963	1.149318	0.587318	1.010166	2.309179	0.400893	0.407741	0.188293	0.28803	0.207023
6152.76596	7707.48512	6557.35564	7727.38626	7639.50338	7531.76463	8250.38959	8886.84895	7461.46663	6612.61233	5345.70492
18.311803	20.944253	21.570248	21.952801	22.736617	23.536764	23.438606	25.246729	23.317083	18.78583	14.526372
282200.448	353968.887	299088.97	362352.683	517743.033	476817.327	428100.729	418393.54	364442.382	321567.894	327256.416
282200.448	353968.887	299088.97	362352.683	517743.033	476817.327	428100.729	418393.54	364442.382	321567.894	327256.416
6152.76596	7707.48512	6557.35564	7727.38626	7639.50338	7531.76463	8250.38959	8886.84895	7461.46663	6612.61233	5345.70492
-282200.45	-353968.89	-299088.97	-362352.68	-517743.03	-476817.33	-428100.73	-418393.54	-364442.38	-321567.89	-327256.42
-282200.45	-353968.89	-299088.97	-362352.68	-517743.03	-476817.33	-428100.73	-418393.54	-364442.38	-321567.89	-327256.42
0.3	0.57	0.05	0.24	0.19	0.03	0.46	0.01	0.52	0.14	0.03
97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811	109116.591	98497.5577	87485.9966	110163.868	135316.906
6152.76596	7707.48512	6557.35564	7727.38626	7639.50338	7531.76463	8250.38959	8886.84895	7461.46663	6612.61233	5345.70492
6152.76596	7707.48512	6557.35564	7727.38626	7639.50338	7531.76463	8250.38959	8886.84895	7461.46663	6612.61233	5345.70492
282200.448	353968.887	299088.97	362352.683	517743.033	476817.327	428100.729	418393.54	364442.382	321567.894	327256.416
282200.448	353968.887	299088.97	362352.683	517743.033	476817.327	428100.729	418393.54	364442.382	321567.894	327256.416

2406.41049	2101.08612	2204.83206	3157.26051	3048.60676	2621.04021	3273.96003	3268.97256	2612.37447	3220.83428	3245.46337
116582.453	93619.5605	97851.3973	148792.136	204930.24	167820.665	166885.638	150597.883	126328.534	159840.787	206932.063
2406.41049	2101.08612	2204.83206	3157.26051	3048.60676	2621.04021	3273.96003	3268.97256	2612.37447	3220.83428	3245.46337
7.161935	5.709473	7.252737	8.96949	9.073234	8.19075	9.301022	9.286853	8.16367	9.150097	8.819193
116582.453	93619.5605	97851.3973	148792.136	204930.24	167820.665	166885.638	150597.883	126328.534	159840.787	206932.063
116582.453	93619.5605	97851.3973	148792.136	204930.24	167820.665	166885.638	150597.883	126328.534	159840.787	206932.063
2406.41049	2101.08612	2204.83206	3157.26051	3048.60676	2621.04021	3273.96003	3268.97256	2612.37447	3220.83428	3245.46337
-116582.45	-93619.56	-97851.397	-148792.14	-204930.24	-167820.66	-166885.64	-150597.88	-126328.53	-159840.79	-206932.06
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97074.6249	93037.1303	92980.6881	127211.854	120564.482	110260.811	107205.571	95143.1841	80297.6808	110163.868	135316.906
2406.41049	2101.08612	2204.83206	3157.26051	3048.60676	2621.04021	3273.96003	3268.97256	2612.37447	3220.83428	3245.46337
2406.41049	2101.08612	2204.83206	3157.26051	3048.60676	2621.04021	3273.96003	3268.97256	2612.37447	3220.83428	3245.46337
116582.453	93619.5605	97851.3973	148792.136	204930.24	167820.665	166885.638	150597.883	126328.534	159840.787	206932.063
116582.453	93619.5605	97851.3973	148792.136	204930.24	167820.665	166885.638	150597.883	126328.534	159840.787	206932.063
2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256	4224.00273	4016.15288	3214.78922	2964.13767	2279.41723
118851.899	167502.235	130673.403	164255.527	264173.029	202520.373	214879.034	184887.331	155564.757	146889.013	139274.643
2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256	4224.00273	4016.15288	3214.78922	2964.13767	2279.41723
7.597081	10.096184	9.67841	9.570592	11.511927	9.67607	12.000007	11.409525	10.046216	8.420845	6.194068
118851.899	167502.235	130673.403	164255.527	264173.029	202520.373	214879.034	184887.331	155564.757	146889.013	139274.643
118851.899	167502.235	130673.403	164255.527	264173.029	202520.373	214879.034	184887.331	155564.757	146889.013	139274.643
2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256	4224.00273	4016.15288	3214.78922	2964.13767	2279.41723
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-118851.9	-167502.24	-130673.4	-164255.53	-264173.03	-202520.37	-214879.03	-184887.33	-155564.76	-146889.01	-139274.64

96252.9108	103943.335	92827.3321	125051.845	118367.218	105462.294	109116.591	98497.5577	87485.9966	109632.734	131365.717
2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256	4224.00273	4016.15288	3214.78922	2964.13767	2279.41723
2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256	4224.00273	4016.15288	3214.78922	2964.13767	2279.41723
118851.899	167502.235	130673.403	164255.527	264173.029	202520.373	214879.034	184887.331	155564.757	146889.013	139274.643
118851.899	167502.235	130673.403	164255.527	264173.029	202520.373	214879.034	184887.331	155564.757	146889.013	139274.643
16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682	23092.7668	24072.4233	19927.5882	18694.982	15621.0433
768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85	1190993.56	1125715.42	970592.43	914983.573	964282.335
36.026751	30.013768	114.931882	29.365902	33.672229	115.458956	13.363108	40.774194	4.70734	28.803019	10.351165
1.080802	2.100963	1.149318	0.587318	1.010166	2.309179	0.400893	0.407741	0.188293	0.28803	0.207023
16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682	23092.7668	24072.4233	19927.5882	18694.982	15621.0433
49.381406	55.409266	57.701854	60.03573	63.558625	62.348338	65.604451	68.387566	62.273713	53.110744	42.448487
768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85	1190993.56	1125715.42	970592.43	914983.573	964282.335
768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85	1190993.56	1125715.42	970592.43	914983.573	964282.335
16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682	23092.7668	24072.4233	19927.5882	18694.982	15621.0433
-768951.69	-930529.87	-793880.5	-997864.72	-1447659.7	-1271503.8	-1190993.6	-1125715.4	-970592.43	-914983.57	-964282.33
-768951.69	-930529.87	-793880.5	-997864.72	-1447659.7	-1271503.8	-1190993.6	-1125715.4	-970592.43	-914983.57	-964282.33
0.3	0.57	0.05	0.24	0.19	0.03	0.46	0.01	0.52	0.14	0.03
387476.786	404867.137	371769.396	506687.408	480060.663	436244.725	434555.343	390635.857	342755.671	440124.338	537316.434
16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682	23092.7668	24072.4233	19927.5882	18694.982	15621.0433
16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682	23092.7668	24072.4233	19927.5882	18694.982	15621.0433
768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85	1190993.56	1125715.42	970592.43	914983.573	964282.335
768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85	1190993.56	1125715.42	970592.43	914983.573	964282.335

11.411087	11.212386	11.415053	11.361461	11.177751	11.23733	11.334846	11.323429	11.525694	11.363674	11.14646
0.358085	0.381431	0.32718	0.35745	0.443777	0.430905	0.405133	0.373992	0.33397	0.384556	0.462157
0.342812	0.367165	0.315246	0.345485	0.426088	0.413727	0.390938	0.359159	0.320789	0.369764	0.444772
4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41	5732256.05	4692165.68	4302503.77	5473463.65	8502136.41
2323558.57	2694179.23	2379119.81	3474890.63	3888529.18	3285767.35	2778265.53	2319820.27	1787470.88	2886417.3	4837600.17
7953.71528	9508.50915	7752.76584	9597.03573	10815.6065	9500.52153	8908.2865	8263.64904	6533.73498	9114.77891	12950.2996
-38198.05	-33951.249	-40258.272	-61435.953	-46652.653	-41707.972	-35507.108	-28014.78	-29874.652	-43688.22	-59610.31
0.036902	0.034846	0.033307	0.033365	0.037086	0.036661	0.033279	0.036552	0.035039	0.035583	0.036195
473211.102	546710.251	392648.18	496885.446	576937.983	537135.947	563080.731	516775.601	425789.449	532563.156	661107.976
1077622.06	1295312.1	999770.866	1192614.26	1546333.68	1386104.68	1294144.91	1211131.5	1064448.67	1231114.01	1649721.53
3.58877	3.693135	3.749862	3.647689	3.870505	3.812788	3.630767	3.668514	3.6932	3.645156	3.789766
713004.845	854577.829	631807.349	774482.563	870808.071	796996.172	824855.46	790662.907	648207.462	798877.349	960559.29
34131.7131	23273.1307	20305.1863	51818.1616	77332.0159	76501.6601	71637.2188	33394.7691	16603.1545	52459.7067	122033.611
118369.096	130016.932	107504.054	124734.162	118618.553	112678.845	124579.172	124048.888	113041.752	124328.997	129959.631
352.288976	353.30688	353.631756	354.358414	353.031407	352.12139	353.918102	352.411613	353.255475	353.207377	353.151171
123345.6	135092.8	111598.4	129219.2	123345.6	117472	129219.2	129219.2	117472	129219.2	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
42284.422	49601.476	35181.052	44643.324	52556.13	48601.37	50516.716	46410.354	37683.756	47780.666	60085.552
300.05822	270.733014	295.204137	269.782636	315.52735	355.329851	329.709393	285.340507	265.992679	286.994743	394.223446
42.725602	43.196108	44.383598	43.17581	45.217233	44.802165	43.069111	43.424226	44.365943	43.318683	44.331134
1922788.2	2302389.61	1741259.44	2107016.64	2585757.33	2339519.77	2277930.42	2151023.62	1834918.04	2180568.91	2804736.06
3714621.55	3625847.18	2906302.08	3605663.26	5528311.31	4944339.58	4344620.72	3819443.3	4158612.13	4069572.24	5487989.3
97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811	109116.591	98497.5577	87485.9966	110163.868	135316.906
1791833.35	1323457.58	1165042.64	1498646.62	2942553.98	2604819.81	2066690.3	1668419.68	2323694.1	1889003.33	2683253.24
4483573.24	4556377.06	3700182.58	4603527.98	6975971.03	6215843.42	5535614.28	4945158.72	5129204.56	4984555.81	6452271.64
1344.73	1422.1	1126.54	1344.85	1599.47	1571.5	1597.62	1442.48	1293.54	1457.93	1805.23
268111.759	384682.08	239190.081	127613.608	206396.857	240873.666	339178.516	441821.209	426248.53	255374.252	68665.523
34.928732	35.127636	35.086164	35.787469	49.832394	46.754925	39.304441	36.095899	37.152307	36.89429	45.365017
708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4	882536.442	657701.357	417357.71	1003714.19	2151641.57
280.79	298.07	270.6	325.17	292.2	272.26	279.98	273.11	262.44	293.65	341.88

237.509692	217.11728	234.975378	289.315539	261.258122	264.997736	223.308085	197.606031	193.582117	260.122938	305.55554
8.320367	7.456843	9.003892	11.420968	9.448068	9.270029	7.833713	6.847554	7.321155	8.957897	10.568211
41,898	38,184	42,111	62,373	48,380	43,919	40,099	33,929	34,934	47,051	60,289
652938.219	586464.957	352936.86	197898.525	363834.469	458827.36	695916.649	920072.98	1251394.09	523649.547	112417.953
1.987505	2.691824	1.536529	0.844108	1.679671	2.277616	2.862689	3.298355	2.239537	2.166081	1.318493
3,700	4,233	1,852	937	1,727	2,211	4,591	5,914	5,059	3,363	678
38.222785	44.553632	43.902921	43.719967	59.385448	57.334891	47.368568	37.748231	29.556976	43.11373	60.446234
38.195548	44.459823	43.875246	43.691895	59.311465	57.295535	47.303107	37.701365	29.501298	43.069216	60.377578
-38198.05	-33951.249	-40258.272	-61435.953	-46652.653	-41707.972	-35507.108	-28014.78	-29874.652	-43688.22	-59610.31
-113.68467	-92.258829	-132.42853	-174.53396	-138.84718	-130.33741	-100.87247	-79.587444	-93.358288	-124.11426	-161.98454
-2193971	-2797723.4	-2494556.4	-3686165.2	-4036556.3	-3348786.4	-2712127.2	-2125883.5	-1194293.3	-2899583.1	-5130985.2
-22.507195	-26.905786	-26.830026	-29.006591	-33.502995	-30.388017	-24.80155	-21.567938	-13.62888	-26.300835	-37.922455
-2193971	-2797723.4	-2494556.4	-3686165.2	-4036556.3	-3348786.4	-2712127.2	-2125883.5	-1194293.3	-2899583.1	-5130985.2
55176.3948	65759.1329	50870.0527	64838.7615	72184.5419	66341.5422	69018.0179	64568.5453	52552.0045	63112.9886	75028.2376
1615143.79	1870812.81	1463685.69	1932391.26	2333262.03	2054950.95	1895729.09	1662118.91	1370113.17	1882703.12	2685958.6
1985880.2	2548237.79	2310686.96	3460609.77	3787032.34	3120581.75	2474572.19	1898030.57	1008217.24	2669476.75	4854600.84
2041356.77	2785139.25	2873184.23	4805210.63	4978465.03	3892570.79	2661191.98	1635658.95	174180.866	3149541.39	6893824.46
806025.792	837324.199	751286.427	1042583.53	1019686.14	936285.281	928845.491	815054.715	721650.168	926062.231	1168052.61
5.28	4.96	5.02	6.5	6.63	7.78	6.48	5.78	5.24	5.54	7.44
40131.4049	47712.1818	38691.488	47633.5364	47374.8437	44265.8089	43680.8719	47603.6391	39305.1602	43278.8067	51540.786
6677544.2	7354100.41	6194738.99	8289693.21	11012527.4	9564629.86	8247741.48	7071042.25	6323497.88	7884138.89	11583256.8
6677544.2	7354100.41	6194738.99	8289693.21	11012527.4	9564629.86	8247741.48	7071042.25	6323497.88	7884138.89	11583256.8
1790626.9	2149889.93	1631578.22	1967096.83	2417141.75	2183100.85	2119000.37	2001794.41	1712656.13	2029991.36	2610280.82
58876.5747	69992.0862	52722.4157	65775.9012	73911.8281	68552.8382	73609.4828	70482.7773	57611.3442	66475.648	75706.5953
40131.4049	47712.1818	38691.488	47633.5364	47374.8437	44265.8089	43680.8719	47603.6391	39305.1602	43278.8067	51540.786
6677544.2	7354100.41	6194738.99	8289693.21	11012527.4	9564629.86	8247741.48	7071042.25	6323497.88	7884138.89	11583256.8
92029.8898	104787.495	70989.7368	92286.2814	121240.733	112153.11	115249.181	101625.566	82956.7435	107298.744	142914.456
16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682	23092.7668	24072.4233	19927.5882	18694.982	15621.0433
768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85	1190993.56	1125715.42	970592.43	914983.573	964282.335
768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85	1190993.56	1125715.42	970592.43	914983.573	964282.335

2037-08	2037-09	2037-10	2037-11	2037-12
55.753405	46.994865	47.283605	47.091115	48.053585
21.139625	21.139599	21.139574	21.1396	21.139524
55.625556	46.867016	47.155756	46.963266	47.925736
55.723901	46.965362	47.254102	47.061612	48.024082
54.98631	46.22777	46.51651	46.32402	47.28649
55.271512	46.512972	46.801712	46.609222	47.571692
55.704232	46.945692	47.234432	47.041942	48.004412
55.743571	46.985031	47.273771	47.081281	48.043751

26.701925	26.701925	26.701925	26.701925	26.701925
1.69	1.69	1.69	1.69	1.69
55.4387	46.680159	46.9689	46.77641	47.73888
5.941336	5.968533	6.112492	7.138082	8.077888
41.643339	35.806577	36.011065	35.968206	36.688164
41.643339	35.806577	36.011065	35.968206	36.688164
0.55576	0.41682	0.416819	0.27788	0.41682
0.00673	0.01291	0.010782	0.002722	0.008875
0.00664	0.012354	0.009621	0.002722	0.008484
10344.1658	3442.70711	2580.87685	454.220458	8677.17466
28.414188	10.10045	8.790176	1.474081	23.183745
50.2	93.4	76.2	19.6	67.2
0.027529	0.032916	0.027698	0.022187	0.022017
697.478799	1297.6996	1058.7228	272.3224	933.676799
18624.027	34651.0782	28269.9375	7271.53247	24930.9685
1.133277	0.849957	0.849957	0.566638	0.849957
1136.89044	2115.25035	1725.71816	443.885512	1521.89318
7351.875	7311.15	7700.625	7040.25	7745.625
21.88058	21.759375	21.876775	22.000781	22.004616
7560	7560	7920	7200	7920
22.5	22.5	22.5	22.5	22.5
50.2	93.4	76.2	19.6	67.2
15.872121	11.877097	11.947432	7.926554	11.937341
15.872121	11.877097	11.947432	7.926554	11.937341
19861.4321	36944.6124	30147.7955	7757.31528	26603.4269
26516.4147	183303.224	42120.2008	8805.27952	38526.6704
6654.98264	146358.612	11972.4052	1047.96424	11923.2436

26516.4147	183303.224	42120.2008	8805.27952	38526.6704
12.13	15.31	6.47	6.04	7.79
9517.26624	33501.9053	27566.9187	7303.09482	17926.2522
12900.8367	158517.205	38586.9262	8282.21719	26338.2219
0.582332	0.591937	0.596999	0.392616	0.472984
24.059625	84.687898	69.683353	18.450551	45.261352
402.639385	400.692752	401.266517	401.686894	402.695901
16.052999	12.020782	8.02533	8.033737	12.003377
50.2	93.4	76.2	19.6	67.2
0.149404	0.277976	0.216477	0.06125	0.190909
6654.98264	146358.612	11972.4052	1047.96424	11923.2436
6654.98264	146358.612	11972.4052	1047.96424	11923.2436
26.140374	8.712101	6.516646	1.149448	21.938647
10344.1658	3442.70711	2580.87685	454.220458	8677.17466
0.29	0.34	0.45	0.31	0.38
-6654.9826	-146358.61	-11972.405	-1047.9642	-11923.244
-19555.819	-304875.82	-50559.331	-9330.1814	-38261.465
0.2	0.01	0.01	0.01	0.1
895.1098	1416.0297	1107.2447	305.8502	1252.0941
0.02	0.03	0.03	0.01	0.04
24.2106	36.3159	36.3159	12.1053	48.4212
19861.4321	36944.6124	30147.7955	7757.31528	26603.4269
19861.4321	36944.6124	30147.7955	7757.31528	26603.4269
19760.9175	36766.3285	29995.6556	7715.41798	26452.8617
50.2	93.4	76.2	19.6	67.2
24.2106	36.3159	36.3159	12.1053	48.4212
19861.4321	36944.6124	30147.7955	7757.31528	26603.4269
76.303999	141.968	115.824	29.792	102.144
4.52112	1.60123	3.39084	3.7676	3.014079
0.27019	0.09406	0.184122	0.199017	0.162248
0.26122	0.091994	0.177471	0.191593	0.158494
317489.21	79221.0673	140553.423	178325.569	205579.982
894.649178	259.365342	475.815041	567.870207	556.732284
5090.66	1792.78	3623.26	3555.98	3235.82

0.026785	0.029791	0.028011	0.030437	0.028352
47948.9265	16886.1948	34127.4859	33493.7756	30478.1886
270216.901	94828.1789	204033.373	188703.173	173202.213
2.687705	1.046738	2.305981	2.460373	1.93957
47017.4797	12389.6354	19768.0772	27037.2882	30138.4904
18966	18907.42	19844.12	17995.08	19837.16
56.446428	56.272083	56.37534	56.234625	56.355568
19488	19488	20416	18560	20416
58	58	58	58	58
5090.66	1792.78	3623.26	3555.98	3235.82
30.470803	11.687916	25.602923	27.622859	21.726837
30.470803	11.687916	25.602923	27.622859	21.726837
324484.706	113966.4	242809.947	226704.712	207723.408
649616.105	706477.985	525896.742	409773.67	467977.061
325131.399	592511.585	283086.795	183068.957	260253.653
649616.105	706477.985	525896.742	409773.67	467977.061
151.86	88.17	117.39	112.12	105.58
6995.49551	34745.3325	102256.524	48379.1437	2143.42631
12416.5756	204915.854	231888.515	85976.6625	3482.76432
5.595951	5.83544	11.584911	9.032695	2.09794
98.890208	477.392438	1524.5152	685.474831	36.065207
69.799756	71.579605	73.797146	77.295223	78.12948
32.800519	12.099962	25.801028	26.998171	22.621878
5090.66	1792.78	3623.26	3555.98	3235.82
15.150773	5.335654	10.293352	11.112437	9.19267
325131.399	592511.585	283086.795	183068.957	260253.653
325131.399	592511.585	283086.795	183068.957	260253.653
4991.76979	1315.38756	2098.7448	2870.50517	3199.75479
317489.21	79221.0673	140553.423	178325.569	205579.982
1.69	2.42	10.46	5.92	0.55
-325131.4	-592511.59	-283086.79	-183068.96	-260253.65
-337547.97	-797427.44	-514975.31	-269045.62	-263736.42
18.15	2.36	5.41	6.96	8.21
31382.3247	9251.2775	18123.842	19098.9227	20589.2789
0.46	0.21	0.6	0.49	0.34

255.9026	116.8251	333.786	272.5919	189.1454
324484.706	113966.4	242809.947	226704.712	207723.408
324484.706	113966.4	242809.947	226704.712	207723.408
270216.901	94828.1789	204033.373	188703.173	173202.213
5090.66	1792.78	3623.26	3555.98	3235.82
255.9026	116.8251	333.786	272.5919	189.1454
324484.706	113966.4	242809.947	226704.712	207723.408
54011.9026	19021.3958	38442.7886	37728.9478	34332.0502
0.37	0.54	2.63	1.17	0.17
11.072901	11.419116	11.188522	11.13416	11.16061
0.649129	0.474228	0.584947	0.61598	0.601523
0.62853	0.455439	0.563553	0.592473	0.584973
993926.874	735482.477	929416.031	877080.734	974315.976
2855.2088	2536.5019	3233.53505	2828.75178	2650.27108
23441.664	16986.068	22019.18	21044.674	22856.082
0.03369	0.040386	0.037272	0.039062	0.030369
255481.279	191468.787	242399.744	230457.613	250868.134
431495.299	324401.914	408924.178	389414.251	425389.481
3.711	3.711	3.711	3.711	3.711
516327.664	386958.419	489889.883	465754.836	507004.499
36039.48	35789.73	37615.68	34132.5	37885.41
107.260357	106.517053	106.862727	106.664062	107.629005
37296	37296	39072	35520	39072
111	111	111	111	111
23441.664	16986.068	22019.18	21044.674	22856.082
43.588637	45.033841	43.989417	43.830722	43.889931
43.131829	44.409687	43.559981	43.35863	43.446709
1004272.6	754763.947	951936.39	906091.36	986899.747
1728245.05	1544366.39	1483484.07	1336393.52	1524853.71
723972.441	789602.447	531547.683	430302.157	537953.961
1728245.05	1544366.39	1483484.07	1336393.52	1524853.71
324.68	322.43	338.88	307.5	341.31
1658.47998	10486.97	14262.109	20966.8769	4647.27116
2274.93075	34838.7259	33085.464	37170.753	13970.3923

2.320164	4.169201	7.823422	8.655817	1.759388
43.99611	254.515369	350.099655	537.527879	119.833978
35.256089	12.745232	28.058803	33.874621	32.667806
35.25527	12.74189	28.055282	33.863908	32.013504
23441.664	16986.068	22019.18	21044.674	22856.082
69.766857	50.553773	62.554488	65.764606	64.932051
590432.377	689521.712	404845.337	309841.962	406825.187
590432.377	689521.712	404845.337	309841.962	406825.187
23397.6679	16731.5526	21669.0803	20507.1461	22736.248
993926.874	735482.477	929416.031	877080.734	974315.976
0.04	1.19	3.32	3.91	1.23
-723972.44	-789602.45	-531547.68	-430302.16	-537953.96
-726247.37	-824441.17	-564633.15	-467472.91	-551924.35
231.79	279.68	259.42	237.83	281.63
110679.089	91476.1465	94723.1994	92728.5252	122129.266
0.81	0.82	0.77	0.75	0.74
8687.25	8794.5	8258.25	8043.75	7936.5
1137812.67	854844.682	1078638.74	1026551.55	1118028.52
1137812.67	854844.682	1078638.74	1026551.55	1118028.52
947822.964	711360.333	898814.061	855169.087	932393.98
23441.664	16986.068	22019.18	21044.674	22856.082
8687.25	8794.5	8258.25	8043.75	7936.5
1137812.67	854844.682	1078638.74	1026551.55	1118028.52
47762.3904	34609.1136	44864.0793	42878.5233	46569.2671
0.55	2.88	6.12	4.1	1.28
0.6	0.45	0.3	0.3	0.45
0.00616	0.013533	0.010028	0.002074	0.00895
0.00616	0.013482	0.010028	0.001781	0.008181
1120.64438	464.955078	571.722818	38.114854	689.024931
3.093003	1.350311	1.941572	0.126347	1.85946
6.21	13.59	10.59	1.71	8.64
0.0325	0.034077	0.02321	0.023187	0.028295
93.15	203.85	158.85	25.65	129.6

2487.28437	5443.18754	4241.60088	684.904392	3460.56956
1.129329	0.846996	0.564664	0.564664	0.846996
142.640595	312.155505	243.247004	39.277845	198.456479
975.24	973.65	1031.49	937.74	1026.12
2.9025	2.897767	2.930369	2.930437	2.915113
1008	1008	1056	960	1056
3	3	3	3	3
6.21	13.59	10.59	1.71	8.64
16.939935	12.704951	8.469967	8.469967	12.704951
16.939935	12.704951	8.469967	8.469967	12.704951
2629.92497	5755.34304	4484.84789	724.182237	3659.02604
3440.13386	28744.9652	6050.27248	805.365008	5175.44159
810.208897	22989.6221	1565.42459	81.182771	1516.41555
3440.13386	28744.9652	6050.27248	805.365008	5175.44159
2.07	4.53	3.53	0.57	2.88
1509.28058	5290.38796	3913.12507	686.067382	2970.00111
1991.29419	25370.3724	5296.36863	764.275762	4257.46796
0.11866	0.08994	0.06	0.06	0.082452
3.56384	12.492108	9.24	1.62	7.013016
423.498384	423.498384			423.498384
8.469967	4.234983			12.704951
6.21	13.59	10.59	1.71	8.64
0.018482	0.040446	0.030085	0.005343	0.024545
810.208897	22989.6221	1565.42459	81.182771	1516.41555
810.208897	22989.6221	1565.42459	81.182771	1516.41555
2.646159	1.097891	1.35	0.09	1.626983
1120.64438	464.955078	571.722818	38.114854	689.024931
-810.2089	-22989.622	-1565.4246	-81.182771	-1516.4156
-2801.5031	-48359.995	-6861.7932	-845.45853	-5773.8835
737.551	1367.5654	1028.4178	175.8995	1075.219
0.44	0.49	0.36	0.2	0.54
2629.92497	5755.34304	4484.84789	724.182237	3659.02604
2629.92497	5755.34304	4484.84789	724.182237	3659.02604

2629.92497	5755.34304	4484.84789	724.182237	3659.02604
6.21	13.59	10.59	1.71	8.64
2629.92497	5755.34304	4484.84789	724.182237	3659.02604
11.696587	12.407237	11.940382	11.810498	11.819739
0.695608	0.482541	0.621504	0.660403	0.659076
0.662705	0.461985	0.597624	0.625312	0.630803
321921.519	237546.851	308678.453	291020.955	324033.095
925.851205	821.49974	1075.58211	939.607973	881.715684
9574.77	6674.77	9045.65	8604.3	9547.84
0.046666	0.043869	0.040795	0.051531	0.04392
109669.304	80961.7817	105288.581	99222.6312	110177.572
185290.708	137200.765	177698.926	167482.173	186863.183
2.8206	2.820599	2.8206	2.8206	2.8206
123992.115	91535.3904	119039.269	112181.107	124566.763
13773.76	13814.18	14518.52	13050.93	14471.22
40.993333	41.11363	41.245795	40.784156	41.11142
14448	14448	15136	13760	15136
43	43	43	43	43
9574.77	6674.77	9045.65	8604.3	9547.84
34.978155	37.211596	35.720223	35.437454	35.456892
34.316506	36.307986	35.001974	34.637376	34.646046
327119.36	242691.654	313717.177	296961.346	330344.76
664312.972	550689.67	590694.166	521375.821	589528.86
337193.612	307998.016	276976.989	224414.475	259184.1
664312.972	550689.67	590694.166	521375.821	589528.86
320.32	321.26	337.64	303.51	336.54
27.606724	8.99266	25.121387	34.066433	40.424515
5.797412	2.338091	6.029132	6.472622	8.084903
9574.77	6674.77	9045.65	8604.3	9547.84
28.496339	19.865386	25.697869	26.888437	27.124545

279869.467	265679.293	221942.648	172550.805	201594.283
279869.467	265679.293	221942.648	172550.805	201594.283
9574.77	6674.77	9045.65	8604.3	9547.84
321921.519	237546.851	308678.453	291020.955	324033.095
-337193.61	-307998.02	-276976.99	-224414.47	-259184.1
-337193.61	-307998.02	-276976.99	-224414.47	-259184.1
2.13	2.78	2.68	1.57	2.09
107664.05	90008.5882	93732.2383	90287.389	119252.171
0.98	0.97	0.95	1.12	1.19
5197.8416	5144.8024	5038.724	5940.3904	6311.6648
384443.505	285010.377	368751.518	348825.015	387934.577
384443.505	285010.377	368751.518	348825.015	387934.577
309282.822	228736.155	296738.195	279663.279	311429.947
9574.77	6674.77	9045.65	8604.3	9547.84
5197.8416	5144.8024	5038.724	5940.3904	6311.6648
384443.505	285010.377	368751.518	348825.015	387934.577
12638.6964	8810.6964	11940.258	11357.676	12603.1488
0.6	0.45	0.3	0.3	0.45
0.006165	0.01356	0.010028	0.002034	0.008691
0.00616	0.013511	0.010028	0.001968	0.008323
1087.96003	445.668021	565.095326	26.250938	793.027144
3.008273	1.296806	1.919473	0.086183	2.120176
6.21	13.62	10.59	1.89	8.79
0.019702	0.023005	0.027272	0.030531	0.022954
93.15	204.3	158.85	28.35	131.85
2487.28437	5455.2034	4241.60088	756.999591	3520.64889
1.129329	0.846996	0.564664	0.564664	0.846996
142.640595	312.84459	243.247004	43.412355	201.901904
988.14	984.81	1027.2	930.69	1031.76
2.940892	2.930982	2.918181	2.908406	2.931136
1008	1008	1056	960	1056
3	3	3	3	3

6.21	13.62	10.59	1.89	8.79
16.939935	12.704951	8.469967	8.469967	12.704951
16.939935	12.704951	8.469967	8.469967	12.704951
2629.92497	5768.04799	4484.84789	800.411946	3722.5508
3440.13386	28757.9712	6050.27248	888.033095	5244.13417
810.208897	22989.9232	1565.42459	87.621148	1521.58338
3440.13386	28757.9712	6050.27248	888.033095	5244.13417
2.07	4.54	3.53	0.63	2.93
1541.96494	5322.37997	3919.75256	774.161007	2929.52365
2028.52571	25460.6941	5305.32757	859.270182	4190.79089
0.118668	0.08966	0.059906	0.059801	0.088479
3.641017	12.567651	9.255649	1.828014	6.917437
423.498384	423.498384	424.053626	423.498384	423.775984
8.469967	8.469967	8.481072	4.234983	8.475519
6.21	13.62	10.59	1.89	8.79
0.018482	0.040535	0.030085	0.005906	0.024971
810.208897	22989.9232	1565.42459	87.621148	1521.58338
810.208897	22989.9232	1565.42459	87.621148	1521.58338
2.568982	1.052348	1.33435	0.061985	1.872562
1087.96003	445.668021	565.095326	26.250938	793.027144
0.01	0.07	0.01	0.08	0.03
-810.2089	-22989.923	-1565.4246	-87.621148	-1521.5834
-2838.7346	-48450.617	-6870.7522	-946.89133	-5712.3743
		0.01		0.01
737.551	1370.1406	1028.4178	196.2758	1095.3084
0.44	0.5	0.36	0.22	0.56
2629.92497	5768.04799	4484.84789	800.411946	3722.5508
2629.92497	5768.04799	4484.84789	800.411946	3722.5508
2629.92497	5768.04799	4484.84789	800.411946	3722.5508
6.21	13.62	10.59	1.89	8.79
2629.92497	5768.04799	4484.84789	800.411946	3722.5508

6.297406	2.288016	4.133432	4.286465	3.72018
0.195249	0.072269	0.120619	0.144448	0.130393
0.188636	0.070833	0.118017	0.141162	0.125585

196613.95	26136.2849	27468.9029	59101.2556	129364.545
540.69534	82.899091	91.533821	187.793637	346.323387
3169.1	1190	2077.1	2258.6	2210.3
0.025491	0.028511	0.030852	0.03325	0.0324
45807.1	17226.4	29932.3	32596.6	32003.5
246085.436	92986.3907	153981.607	160985.168	173942.762
2.425987	0.981998	1.737846	1.63738	1.339766
36847.5976	5157.07464	5687.49512	14040.0879	24251.0812
16386.9	16252.9	17062.7	15499.5	16999.6
48.770535	48.371726	48.473579	48.435937	48.294318
16800	16800	17600	16000	17600
50	50	50	50	50
3169.1	1190	2077.1	2258.6	2210.3
66.972835	25.348782	43.19335	41.37452	34.563784
34.799627	14.048922	24.818422	23.466337	19.259828
246981.08	93332.6557	154692.915	161675.383	174605.522
463308.243	607014.941	358568.549	278696.388	348972.637
216327.163	513682.285	203875.634	117021.005	174367.115
463308.243	607014.941	358568.549	278696.388	348972.637
244.58	148.45	181.18	163.06	142.11
50367.13	67196.3707	127224.012	102574.127	45240.9777
86386.5716	415310.291	293077.312	174598.906	78312.554
5.173051	3.113127	5.936496	5.231967	2.562179
596.965432	827.063103	1676.20478	1270.92599	515.051399
99.560053	102.953976	104.103584	97.733877	99.836381
43.741956	14.390597	27.059001	27.310234	23.960096
3169.1	1190	2077.1	2258.6	2210.3
9.431845	3.541666	5.900852	7.058125	6.279261
216327.163	513682.285	203875.634	117021.005	174367.115
216327.163	513682.285	203875.634	117021.005	174367.115
2572.13457	362.936896	400.89522	987.674006	1695.2486
196613.95	26136.2849	27468.9029	59101.2556	129364.545
22.32	12.38	26.41	25.46	17.99
-216327.16	-513682.29	-203875.63	-117021	-174367.11
-302713.73	-928992.58	-496952.95	-291619.91	-252679.67

28.36	2.36	2.45	3.88	11.48
41502.4145	13081.706	21215.2277	25160.8194	30218.5573
0.2	0.07	0.34	0.23	0.18
166.196	59.289	279.172	195.607	126.048
246981.08	93332.6557	154692.915	161675.383	174605.522
246981.08	93332.6557	154692.915	161675.383	174605.522
246085.436	92986.3907	153981.607	160985.168	173942.762
3169.1	1190	2077.1	2258.6	2210.3
166.196	59.289	279.172	195.607	126.048
246981.08	93332.6557	154692.915	161675.383	174605.522
729.447999	286.975999	432.135999	494.607999	536.711999
1.46	1.45	1.4	3.28	0.87
0.6	0.45	0.3	0.3	0.45
0.006101	0.013565	0.009971	0.002164	0.008613
0.006101	0.013333	0.009971	0.001843	0.008465
1361.62706	487.492104	699.121093	22.768128	974.256586
3.75768	1.44466	2.375267	0.075378	2.598683
8.2	17.92	14.04	2.36	11.92
0.028779	0.018779	0.028181	0.035281	0.027017
123	268.8	210.6	35.4	178.8
3284.33685	7177.47761	5623.42554	945.248166	4774.3043
1.133077	0.849807	0.566538	0.566538	0.849807
199.875	436.8	342.225	57.525	290.55
1305.32	1318.76	1368.32	1234.84	1369.96
3.88488	3.92488	3.887272	3.858875	3.891931
1344	1344	1408	1280	1408
4	4	4	4	4
8.2	17.92	14.04	2.36	11.92
16.996155	12.747116	8.498077	8.498077	12.747116
16.996155	12.747116	8.498077	8.498077	12.747116
3484.21185	7614.27761	5965.65054	1002.77317	5064.8543
4552.9209	38215.214	8033.08821	1112.52904	7128.99674
1068.70905	30600.9364	2067.43768	109.755877	2064.14244
4552.9209	38215.214	8033.08821	1112.52904	7128.99674

2.05	4.48	3.51	0.59	2.98
2122.58479	7126.7855	5266.52944	980.005038	4090.59771
2773.50368	34454.4539	7108.88232	1087.22615	5829.84222
0.152533	0.119656	0.079711	0.079094	0.117164
4.995446	16.7727	12.394637	2.306415	9.627113
486.077488	1698.35732	551.756825	452.489167	487.441494
19.443099	33.967146	5.517568	4.524891	14.623244
8.2	17.92	14.04	2.36	11.92
0.024404	0.053333	0.039886	0.007375	0.033863
1068.70905	30600.9364	2067.43768	109.755877	2064.14244
1068.70905	30600.9364	2067.43768	109.755877	2064.14244
3.204553	1.147299	1.645362	0.053584	2.292886
1361.62706	487.492104	699.121093	22.768128	974.256586
1.27	4.2	3.1	0.57	2.41
-1068.709	-30600.936	-2067.4377	-109.75588	-2064.1424
-3842.2127	-65055.39	-9176.32	-1196.982	-7893.9847
0.77	0.26	0.39	0.01	0.55
730.7331	1354.31	1022.5509	183.4497	1114.3934
0.43	0.5	0.35	0.21	0.58
3484.21185	7614.27761	5965.65054	1002.77317	5064.8543
3484.21185	7614.27761	5965.65054	1002.77317	5064.8543
3484.21185	7614.27761	5965.65054	1002.77317	5064.8543
8.2	17.92	14.04	2.36	11.92
3484.21185	7614.27761	5965.65054	1002.77317	5064.8543

10.584083	11.051897	10.734837	10.664851	10.693378
0.515657	0.31151	0.445545	0.4966	0.472823
0.482069	0.293842	0.422709	0.471931	0.445883
369720.051	235039.859	342680.568	346003.444	362166.834
1060.20684	811.040371	1191.10228	1115.74686	983.931468
9491.75	5785.634	8719.32	8849.658	9197.318
0.069791	0.060654	0.054602	0.051531	0.056193
97465.2011	61896.236	90440.7769	91295.3215	95147.2544
164997.042	105201.002	152783.107	154334.626	162354.598
3.724299	3.724299	3.724299	3.724299	3.724299

198273.459	125915.513	183983.672	185722.072	193558.06
18315.43	18495.332	19500.908	17785.686	19468.092
54.510208	55.04563	55.400306	55.580268	55.307079
19689.6	19689.6	20627.2	18752	20627.2
58.6	58.6	58.6	58.6	58.6
9491.75	5785.634	8719.32	8849.658	9197.318
46.716711	49.460931	46.987049	44.97345	45.976966
40.100466	41.833377	40.659144	40.40187	40.49231
405820.82	265371.326	377107.37	371822.895	394412.531
782436.92	753243.02	687305.907	620831.626	686451.14
376616.1	487871.694	310198.537	249008.732	292038.609
782436.92	753243.02	687305.907	620831.626	686451.14
312.55	315.62	332.78	303.51	332.22
4.839406	10.887572	15.349472	71.021014	
5.794351	16.801609	19.16225	163.481428	
0.12709	0.13	0.13	0.60797	
0.12709	0.26	0.39	1.939124	
34.86827	13.476654	32.396254	35.336525	34.459216
24.756472	10.242257	25.593041	27.196615	26.878188
9491.75	5785.634	8719.32	8849.658	9197.318
28.249255	17.219148	24.770795	27.655181	26.128744
325671.039	455518.531	262925.143	201288.667	242305.139
325671.039	455518.531	262925.143	201288.667	242305.139
9491.62291	5785.374	8718.93	8847.71888	9197.318
369720.051	235039.859	342680.568	346003.444	362166.834
			0.01	
-376616.1	-487871.69	-310198.54	-249008.73	-292038.61
-376621.89	-487888.5	-310217.7	-249172.21	-292038.61
12.83	18.32	16.19	15.88	16.44
97250.4622	82815.0481	86248.5627	86646.1316	110939.141
1.5	1.26	1.43	1.07	1.34
36095.9289	30320.5803	34411.4522	25748.4293	32245.6965
456765.88	297724.489	424380.764	419542.959	444146.001
456765.88	297724.489	424380.764	419542.959	444146.001

363270.501	231116.515	336766.78	340056.698	355912.658
9491.75	5785.634	8719.32	8849.658	9197.318
36095.9289	30320.5803	34411.4522	25748.4293	32245.6965
456765.88	297724.489	424380.764	419542.959	444146.001
6454.39	3934.23112	5929.1376	6017.76744	6254.17624
			0.01	
6	1.95	4.05	4.05	3.6
0.187143	0.070713	0.114804	0.137787	0.126525
0.181458	0.066636	0.111136	0.134062	0.124034
44541.699	4179.93171	4574.34368	11496.4618	29504.6075
121.023179	12.79456	15.160286	36.617564	78.650459
853.58	313.46	547.68	600.6	611.24
0.033273	0.031875	0.030142	0.026937	0.021193
12803.7	4701.9	8215.2	9009	9168.6
67648.6493	25157.5763	41701.4647	44145.689	50162.7676
2.217237	0.74108	1.648216	1.447824	1.290889
8577.72721	818.226828	924.999644	2921.62912	5689.91621
4547.48	4554.06	4779.46	4359.32	4823.56
13.534166	13.55375	13.578011	13.622875	13.703295
4704	4704	4928	4480	4928
14	14	14	14	14
853.58	313.46	547.68	600.6	611.24
33.3102	11.167494	24.883285	22.016965	19.440309
33.3102	11.167494	24.883285	22.016965	19.440309
67753.6493	25231.0763	41900.9647	44282.189	50257.2676
126751.019	167201.453	97638.2053	75994.1431	99403.9088
58997.3699	141970.376	55737.2406	31711.9541	49146.6411
126751.019	167201.453	97638.2053	75994.1431	99403.9088
130.88	79.91	97.42	83.91	76.8
23211.9503	21051.1445	37326.621	32785.7272	20752.6602
40489.4003	136840.956	85221.0877	55490.3521	36455.3572
4.253933	1.624395	3.721606	3.386616	2.159913
281.731519	258.911544	486.013357	405.824725	231.912252
89.830458	89.718361	79.523911	90.739292	78.790475

35.019347	11.565006	15.109543	22.684823	16.545999
853.58	313.46	547.68	600.6	611.24
2.540416	0.932916	1.555909	1.876875	1.736477
58997.3699	141970.376	55737.2406	31711.9541	49146.6411
58997.3699	141970.376	55737.2406	31711.9541	49146.6411
571.84848	54.548455	61.666642	194.775274	379.327747
44541.699	4179.93171	4574.34368	11496.4618	29504.6075
5.37	1.8	8.93	4.77	2.79
-58997.37	-141970.38	-55737.241	-31711.954	-49146.641
-99486.77	-278811.33	-140958.33	-87202.306	-85601.998
7.11	0.6	0.94	1.92	2.97
21935.776	6707.0605	11347.0518	13341.8026	16129.818
0.1	0.07	0.19	0.13	0.09
105	73.5	199.5	136.5	94.5
67753.6493	25231.0763	41900.9647	44282.189	50257.2676
67753.6493	25231.0763	41900.9647	44282.189	50257.2676
67648.6493	25157.5763	41701.4647	44145.689	50162.7676
853.58	313.46	547.68	600.6	611.24
105	73.5	199.5	136.5	94.5
67753.6493	25231.0763	41900.9647	44282.189	50257.2676
1.02	2.02	1.3	1.99	0.7

11.225511	11.623068	11.331294	11.267362	11.288978
0.435562	0.277438	0.370837	0.397819	0.382973
0.419085	0.266578	0.357095	0.382553	0.369566
2258127.7	1322447.29	1757788.54	1763569.77	2036098.52
6435.90769	4538.29323	6097.75508	5678.15001	5527.38643
51692.344	32881.242	46143.61	44939.372	47755.15
0.033609	0.033852	0.032626	0.034289	0.031373
570182.289	375115.95	511991.11	496436.664	529217.176
1392616.97	832502.773	1181499.22	1114723.76	1208601.5
3.736738	3.604401	3.687593	3.650778	3.643676
840215.284	607586.373	795467.262	764242.116	827342.124
92442.8045	18364.9369	26380.572	43999.0052	60079.4878
118649.625	118401.992	124449.023	112966.536	124658.507

353.123883	352.38688	353.54836	353.020425	354.143485
123345.6	123345.6	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999
51692.344	32881.242	46143.61	44939.372	47755.15
322.78549	229.944679	257.761695	248.62054	251.149081
43.943712	43.622085	43.622537	42.990175	42.949321
2405037.71	1551439.34	2127247.91	2017822.57	2183293.09
4452619.91	4608014.84	3805841.48	3254676.37	3773262.56
2047582.19	3056575.5	1678593.57	1236853.8	1589969.46
4452619.91	4608014.84	3805841.48	3254676.37	3773262.56
1503.19	1304.7	1422.33	1281.44	1351.14
96928.9917	184732.164	321750.942	214520.224	100700.71
161267.433	1035725.35	699589.046	364393.144	172837.391
2.146858	1.716044	3.266322	2.976231	1.082062
1057.97029	1944.66281	4137.79664	2925.89754	971.681758
51.936284	23.824676	39.496721	43.6691	45.20606
51.903592	23.783215	39.485357	43.627193	45.184619
51692.344	32881.242	46143.61	44939.372	47755.15
153.846261	97.860839	131.089801	140.435537	135.668039
1805772.92	2881822.88	1449583.49	1016809.88	1351517.4
1805772.92	2881822.88	1449583.49	1016809.88	1351517.4
50634.3737	30936.5792	42005.8134	42013.4745	46783.4682
2258127.7	1322447.29	1757788.54	1763569.77	2036098.52
30.99	22.4	52.68	41.03	25.38
-2047582.2	-3056575.5	-1678593.6	-1236853.8	-1589969.5
-2208849.6	-4092300.9	-2378182.6	-1601246.9	-1762806.9
301.34	306.37	287.5	268.06	323.48
413515.061	298847.873	329576.753	328125.066	423795.247
5.38	4.92	5.38	4.43	5.6
50532.3297	44545.8127	48557.2001	40349.3739	46951.9759
2646846.98	1726191.96	2356257.99	2237866.5	2421745.16
2646846.98	1726191.96	2356257.99	2237866.5	2421745.16
2232832.25	1440089.15	1976966.48	1878965.88	2035943.62
51692.344	32881.242	46143.61	44939.372	47755.15

50532.3297	44545.8127	48557.2001	40349.3739	46951.9759
2646846.98	1726191.96	2356257.99	2237866.5	2421745.16
121673.131	66804.3809	101724.223	98507.3145	100397.498
3.4	6.89	11.45	10.55	3.02

6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
1545112.96	411701.032	771035.297	916299.859	1635514.87
4337.45648	1372.32301	2655.53856	2928.49042	4408.86152
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1545112.96	411701.032	771035.297	916299.859	1635514.87
300.69	306.53	287.27	267.85	323.21
287.703812	259.958976	223.102709	229.052126	286.956802
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-56.690431	-47.741311	-47.379678	-47.240974	-48.159295
-6634620.2	-4772202	-4809769.1	-4687436.8	-6250827.6
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
8179733.18	5183903.06	5580804.4	5603736.65	7886342.52
117511.226	98306.1288	101387.799	99435.5892	129623.806
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64

6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
1545112.96	411701.032	771035.297	916299.859	1635514.87
4337.45648	1372.32301	2655.53856	2928.49042	4408.86152
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117511.226	98306.1288	101387.799	99435.5892	129623.806
1545112.96	411701.032	771035.297	916299.859	1635514.87
300.69	306.53	287.27	267.85	323.21

287.703812	259.958976	223.102709	229.052126	286.956802
163.076833	155.090316	126.642667	130.0634	180.638608
52465.7963	50524.48	39842.2742	38552.9802	61840.8821
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-6634620.2	-4772202	-4809769.1	-4687436.8	-6250827.6
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-6634620.2	-4772202	-4809769.1	-4687436.8	-6250827.6
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
8179733.18	5183903.06	5580804.4	5603736.65	7886342.52
117511.226	98306.1288	101387.799	99435.5892	129623.806
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64

4274.82002	5471.31297	6571.28233	6128.36402	6870.05983
236307.462	255375.339	310053.554	286453.214	329102.55
4274.82002	5471.31297	6571.28233	6128.36402	6870.05983
12.722678	16.283669	18.668415	19.151137	19.517215
236307.462	255375.339	310053.554	286453.214	329102.55
236307.462	255375.339	310053.554	286453.214	329102.55
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-236307.46	-255375.34	-310053.55	-286453.21	-329102.55
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117511.226	98306.1288	101387.799	99435.5892	129623.806

4274.82002	5471.31297	6571.28233	6128.36402	6870.05983
4274.82002	5471.31297	6571.28233	6128.36402	6870.05983
236307.462	255375.339	310053.554	286453.214	329102.55
236307.462	255375.339	310053.554	286453.214	329102.55
4807.37252	6142.13444	7377.26695	6884.07934	7716.19759
265814.46	286630.626	348156.255	321719.364	369618.275
41.095177	5.605281	27.141199	37.559659	35.148899
2.46571	0.280264	1.085647	1.502386	0.702977
4807.37252	6142.13444	7377.26695	6884.07934	7716.19759
14.307656	18.280162	20.958144	21.512747	21.921015
265814.46	286630.626	348156.255	321719.364	369618.275
265814.46	286630.626	348156.255	321719.364	369618.275
4807.37252	6142.13444	7377.26695	6884.07934	7716.19759
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-265814.46	-286630.63	-348156.26	-321719.36	-369618.27
0.27	0.34	0.37	0.36	0.12
117511.226	98306.1288	101387.799	99435.5892	129623.806
4807.37252	6142.13444	7377.26695	6884.07934	7716.19759
4807.37252	6142.13444	7377.26695	6884.07934	7716.19759
265814.46	286630.626	348156.255	321719.364	369618.275
265814.46	286630.626	348156.255	321719.364	369618.275

3250.10007	2387.19904	2041.75801	2281.03365	3094.85815
177404.877	110171.66	96885.9161	102650.541	149241.406
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9.672916	7.104759	5.800448	7.12823	8.79221
177404.877	110171.66	96885.9161	102650.541	149241.406
177404.877	110171.66	96885.9161	102650.541	149241.406
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3250.10007	2387.19904	2041.75801	2281.03365	3094.85815
3250.10007	2387.19904	2041.75801	2281.03365	3094.85815
177404.877	110171.66	96885.9161	102650.541	149241.406
177404.877	110171.66	96885.9161	102650.541	149241.406
2078.76371	2844.42314	3549.40456	3575.65751	3318.34031
109437.743	129388.425	168991.235	161687.912	157351.853
2078.76371	2844.42314	3549.40456	3575.65751	3318.34031
6.186796	8.465545	10.083535	11.173929	9.427103
109437.743	129388.425	168991.235	161687.912	157351.853
109437.743	129388.425	168991.235	161687.912	157351.853
2078.76371	2844.42314	3549.40456	3575.65751	3318.34031
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114063.202	97588.276	101049.535	99435.5892	127213.755
2078.76371	2844.42314	3549.40456	3575.65751	3318.34031
2078.76371	2844.42314	3549.40456	3575.65751	3318.34031
109437.743	129388.425	168991.235	161687.912	157351.853
109437.743	129388.425	168991.235	161687.912	157351.853
14411.0563	16845.0696	19539.7119	18869.1345	20999.4559
788964.542	781566.05	924086.96	872511.031	1005314.08
41.095177	5.605281	27.141199	37.559659	35.148899
2.46571	0.280264	1.085647	1.502386	0.702977
14411.0563	16845.0696	19539.7119	18869.1345	20999.4559
42.890048	50.134135	55.510545	58.966045	59.657545
788964.542	781566.05	924086.96	872511.031	1005314.08
788964.542	781566.05	924086.96	872511.031	1005314.08
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0.27	0.34	0.37	0.36	0.12
466596.881	388683.203	405212.933	397742.357	516085.173
14411.0563	16845.0696	19539.7119	18869.1345	20999.4559
14411.0563	16845.0696	19539.7119	18869.1345	20999.4559
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788964.542	781566.05	924086.96	872511.031	1005314.08

11.225511	11.623068	11.331294	11.267362	11.288978
0.435562	0.277438	0.370837	0.397819	0.382973
0.419085	0.266578	0.357095	0.382553	0.369566
6634620.22	4772202.02	4809769.1	4687436.8	6250827.64
3803240.66	1734148.32	2528823.84	2679869.63	3671613.4
10773.3642	5910.61624	8753.29363	8606.64043	9936.24795
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0.033609	0.033852	0.032626	0.034289	0.031373
570182.289	375115.95	511991.11	496436.664	529217.176
1392616.97	832502.773	1181499.22	1114723.76	1208601.5
3.736738	3.604401	3.687593	3.650778	3.643676
840215.284	607586.373	795467.262	764242.116	827342.124
92442.8045	18364.9369	26380.572	43999.0052	60079.4878
118649.625	118401.992	124449.023	112966.536	124658.507
353.123883	352.38688	353.54836	353.020425	354.143485
123345.6	123345.6	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999
51692.344	32881.242	46143.61	44939.372	47755.15
322.78549	229.944679	257.761695	248.62054	251.149081
43.943712	43.622085	43.622537	42.990175	42.949321
2405037.71	1551439.34	2127247.91	2017822.57	2183293.09
4452619.91	4608014.84	3805841.48	3254676.37	3773262.56
117511.226	98306.1288	101387.799	99435.5892	129623.806
2047582.19	3056575.5	1678593.57	1236853.8	1589969.46
5241584.45	5389580.89	4729928.44	4127187.4	4778576.64
1503.19	1304.7	1422.33	1281.44	1351.14
96928.9917	184732.164	321750.942	214520.224	100700.71
41.643339	35.806577	36.011065	35.968206	36.688164
1545112.96	411701.032	771035.297	916299.859	1635514.87
300.69	306.53	287.27	267.85	323.21

287.703812	259.958976	223.102709	229.052126	286.956802
10.192302	9.693144	7.915166	8.128962	11.289913
52,466	50,524	39,842	38,553	61,841
161267.433	1035725.35	699589.046	364393.144	172837.391
1.475964	1.17978	2.245596	2.046159	0.743917
1,058	1,945	4,138	2,926	972
51.77618	23.799374	39.460079	43.606357	45.214167
51.74349	23.757913	39.448738	43.564452	45.192725
-51407.826	-48579.817	-35704.478	-35627.083	-60869.2
-152.99948	-144.58279	-101.43317	-111.33463	-172.92386
-4039882.8	-1108813.1	-2436098.7	-2798115.9	-3893996.2
-34.399759	-11.494336	-23.996358	-28.141109	-30.018277
-4039882.8	-1108813.1	-2436098.7	-2798115.9	-3893996.2
65045.43	47781.6488	61545.5252	60882.609	67782.9241
2258127.7	1322447.29	1757788.54	1763569.77	2036098.52
3798073.48	934060.477	2207088.57	2578071.96	3655544.1
5181919.01	310036.154	2278534.82	3129978.68	5118221.58
997623.168	785837.204	836177.485	825303.012	1069504.23
5.38	4.92	5.38	4.43	5.6
50532.3297	44545.8127	48557.2001	40349.3739	46951.9759
9281467.2	6498393.98	7166027.09	6925303.29	8672572.8
9281467.2	6498393.98	7166027.09	6925303.29	8672572.8
2232832.25	1440089.15	1976966.48	1878965.88	2035943.62
66103.4003	49726.3116	65683.3219	63808.5065	68754.6059
50532.3297	44545.8127	48557.2001	40349.3739	46951.9759
9281467.2	6498393.98	7166027.09	6925303.29	8672572.8
121673.131	66804.3809	101724.223	98507.3145	100397.498
14411.0563	16845.0696	19539.7119	18869.1345	20999.4559
788964.542	781566.05	924086.96	872511.031	1005314.08
788964.542	781566.05	924086.96	872511.031	1005314.08

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl base - SD_IRP_MainPortfolio_BaseCase
Date Intervals	Monthly
Stats	MEAN
Peak Period Label	Off Peak Wrap

Value	Column Labels				
Row Labels	2017-01	2017-02	2017-03	2017-04	2017-05
Fixed Cost					
FIXEDCOST - Fixed Cost	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
NETREVENUE - Net Revenue $	-3076588.1	-2762650.5	-2951013	-3139375.6	-3076588.1
NETREVENUEUNHEDGED - Net Revenue without hedges	-3076588.1	-2762650.5	-2951013	-3139375.6	-3076588.1
NWECOSTS - NWE Costs	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
NWECOSTSMPS - NWE Costs w/ MPS	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
TOTALCOSTOFSUPPLY - Total Cost of Supply	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
Forward Curve					
N/A					
Aberdeen					
MARKETPRICE - Market Price $/Unit	25.57	22.319999	18.22	14.32	16.269999
Basis\CO2 SD Triangular					
MARKETPRICE - Market Price $/Unit	0	0	0	0	0
Beethoven					
MARKETPRICE - Market Price $/Unit	25.44	22.189999	18.09	14.19	16.139999
Big Stone					
MARKETPRICE - Market Price $/Unit	25.54	22.289999	18.19	14.29	16.239999
Coyote					
MARKETPRICE - Market Price $/Unit	24.789999	21.54	17.44	13.539999	15.49
Huron					
MARKETPRICE - Market Price $/Unit	25.079999	21.83	17.73	13.829999	15.78
Load					
MARKETPRICE - Market Price $/Unit	25.52	22.269999	18.17	14.27	16.219999
Neal					
MARKETPRICE - Market Price $/Unit	25.56	22.309999	18.21	14.31	16.259999
Oil2 - SD					

MARKETPRICE - Market Price $/Unit	17.96963	17.96963	17.96963	17.96963	17.96963
PRB - SD 8400					
MARKETPRICE - Market Price $/Unit	0.89	0.89	0.89	0.889999	0.89
SPP - IND HUB					
MARKETPRICE - Market Price $/Unit	25.25	22	17.9	14	15.95
VENTURA - AECO					
MARKETPRICE - Market Price $/Unit		3.694825	3.308385	3.002444	2.827719
N/A - Total					
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
Forward Curve - Total					
Forward Curve - Total - Total					
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
Generation Asset					
Aberdeen					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.031862	0.034943	0.025053	0.034075	0.03176
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	8538.975	7643.25	8248.05	8693.325	8539.875
GENCAPACITYMW - Net Thermal Generation Capacity	21.783099	21.713778	21.9948	21.733312	21.785395
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	8820	7920	8460	9000	8820
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5	22.56	22.5	22.5
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					

GROSSREVENUE - Gross Revenue, $				
HOURSRUN - Runtime Hours				
MARKETGENERATIONCOST - Market Sales Generation Costs				
MARKETSALES - Spot Sales $				
MARKETSALESMW - Spot Sales				
MARKETSALESMWH - Spot Sales MWh				
MCP - MCP				
MCPMINSPOTPRICE - MCP min spot price				
NETPOS - Net Position (MWh)				
NETPOSMW - Net position per MW				
NETREVENUE - Net Revenue $				
NETREVENUEUNHEDGED - Net Revenue without hedges				
NLGENERATION - Native Load Generation MWh				
NLGENERATIONCOST - Native Load Generation Costs				
NonZeroMCPHour - Market sales hours greater than colstrip price				
NWECOSTS - NWE Costs				
NWECOSTSMPS - NWE Costs w/ MPS				
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load				
STARTS - Number Starts				
STARTUPCOST - StartupCost				
TOTALCOSTOFSUPPLY - Total Cost of Supply				
TOTALCOSTS - Total Cost				
TOTALFUELCOST - Total Fuel Cost				
TOTALGEN - All Generation				
TOTALSTARTUPCOST - TotalStartupCost				
TOTALVARIABLECOST - Variable Costs $				
VOMCOSTS - VOM Costs				
Aberdeen GS2				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	8.288719	7.064249	0.65933	4.23855
CAPACITYFACTOR - Net Generation Capacity Factor	0.057571	0.013616	0.000426	0.013419
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.055568	0.013218	0.000425	0.012984
COSTTOSERVELOAD - Cost to Serve Load	5772.19674	1282.83974		1021.744
COSTTOSERVELOADPMW - Cost to Serve Load PMW	25.665303	6.310349		5.685907
EXPORTGENERATION - Export generation	1134.48	288.26	9.86	295.22

FO - Forced Outage Rate	0.029795	0.037556	0.029574	0.0291	0.028877
FUELCONSUMED - Fuel Consumed		10685.6671	2715.12094	92.87134	2780.67718
FUELCOST - Fuel Cost		30776.469	7564.18159	294.295064	7997.63781
FUELCOSTPMMBTU - Cost, $/mmBtu		2.543876	2.082299	0.224645	1.269104
GASNLFUELCONSUMED - Native Load Gas Used		1684.94731	444.653991		274.854787
GENCAPACITY - Net Thermal Generation Capacity MWh	22058.56	19649.24	21163.04	22524.88	22079.44
GENCAPACITYMW - Net Thermal Generation Capacity	56.271836	55.821704	56.434773	56.3122	56.325102
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	22736	20416	21808	23200	22736
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58	58.154666	58	58
GENERATION - Thermal Generation MWh		1134.48	288.26	9.86	295.22
GENERATIONCOSTPMW - Generation Cost		30.545657	25.188346	2.64801	15.313277
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		30.545657	25.188346	2.64801	15.313277
GENERATIONCOSTS - Thermal Generation Costs		39090.0528	9686.00259	368.439264	10150.4342
GENERATIONGROSSREVENUE - Gross Generation Revenue		45541.9683	10658.6544	377.791761	11379.8929
GENERATIONNETREVENUE - Net Revenue Generation		6451.91553	972.651782	9.352497	1229.45868
GROSSREVENUE - Gross Revenue, $		45541.9683	10658.6544	377.791761	11379.8929
HOURSRUN - Runtime Hours		238.32	277.6	254.42	211.49
MARKETGENERATIONCOST - Market Sales Generation Costs		33317.8561	8403.16285	368.439264	9128.69021
MARKETSALES - Spot Sales $		38647.4005	9232.65703	377.791761	10227.0998
MARKETSALESMW - Spot Sales		47.494723	38.349962	4.06	24.035523
MARKETSALESMWH - Spot Sales MWh		955.591868	241.051804	9.86	266.039111
MCP - MCP		36.00216	32.476192		34.75505
MCPMINSPOTPRICE - MCP min spot price		21.170499	10.717079		8.99144
NETPOS - Net Position (MWh)		1134.48	288.26	9.86	295.22
NETPOSMW - Net position per MW		3.222954	0.768693	0.02465	0.753112
NETREVENUE - Net Revenue $		6451.91553	972.651782	9.352497	1229.45868
NETREVENUEUNHEDGED - Net Revenue without hedges		6451.91553	972.651782	9.352497	1229.45868
NLGENERATION - Native Load Generation MWh		178.888131	47.208195		29.180888
NLGENERATIONCOST - Native Load Generation Costs		5772.19674	1282.83974		1021.744
NonZeroMCPHour - Market sales hours greater than colstrip price		11.21	3.32	0.17	3.88
NWECOSTS - NWE Costs		-6451.9155	-972.65178	-9.352497	-1229.4587
NWECOSTSMPS - NWE Costs w/ MPS		-45099.316	-10205.309	-387.14426	-11456.559
OTHERMCPHOUR - Other MCP Hours		0.83	0.11		0.12
PORTFOLIOLOADNATIVE - Portfolio Load		4348.0261	1013.9217	31.2843	906.3486
STARTS - Number Starts		0.57	0.17	0.01	0.12

STARTUPCOST - StartupCost		213.3966	63.6446	3.7438	44.9256
TOTALCOSTOFSUPPLY - Total Cost of Supply		39090.0528	9686.00259	368.439264	10150.4342
TOTALCOSTS - Total Cost		39090.0528	9686.00259	368.439264	10150.4342
TOTALFUELCOST - Total Fuel Cost		30776.469	7564.18159	294.295064	7997.63781
TOTALGEN - All Generation		1134.48	288.26	9.86	295.22
TOTALSTARTUPCOST - TotalStartupCost		213.3966	63.6446	3.7438	44.9256
TOTALVARIABLECOST - Variable Costs $		39090.0528	9686.00259	368.439264	10150.4342
VOMCOSTS - VOM Costs		8100.1872	2058.1764	70.4004	2107.8708
zeroMCPHour - Market sales hours less than colstrip price					
Big Stone					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.869537	10.996643	11.220368	11.497652	11.35901
CAPACITYFACTOR - Net Generation Capacity Factor	0.690353	0.607939	0.494886	0.408063	0.449483
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.669306	0.586516	0.473862	0.391892	0.433374
COSTTOSERVELOAD - Cost to Serve Load	577744.265	462929.191	406267.218	409374.529	489296.928
COSTTOSERVELOADPMW - Cost to Serve Load PMW	2534.31856	2117.03914	2131.98605	2411.21915	2929.91074
EXPORTGENERATION - Export generation	29122.872	22916.384	19777.116	17400.026	18856.996
FO - Forced Outage Rate	0.032321	0.035681	0.043297	0.04105	0.036301
FUELCONSUMED - Fuel Consumed	315626.065	251312.646	221733.889	199970.358	213952.805
FUELCOST - Fuel Cost	280574.563	223619.526	197883.798	178189.222	190737.245
FUELCOSTPMMBTU - Cost, $/mmBtu	2.3267	2.3267	2.3267	2.3267	2.3267
FUELDELIVERYCOST - Fuel Delivery Cost	453459.968	361060.879	318565.079	287297.414	307385.995
GENCAPACITY - Net Thermal Generation Capacity MWh	42105.63	37677.84	39928.92	42577.38	41932.47
GENCAPACITYMW - Net Thermal Generation Capacity	107.412321	107.039318	106.47712	106.44345	106.970586
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	43512	39072	41736	44400	43512
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111	111.296	111	111
GENERATION - Thermal Generation MWh	29122.872	22916.384	19777.116	17400.026	18856.996
GENERATIONCOSTPMW - Generation Cost	26.901823	27.229919	27.833458	28.592961	28.181031
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	26.661124	26.955376	27.473247	28.119622	27.796272
GENERATIONCOSTS - Thermal Generation Costs	780068.166	621850.252	550328.446	496975.751	530814.425
GENERATIONGROSSREVENUE - Gross Generation Revenue	847903.781	591026.295	413863.198	263424.138	341922.96
GENERATIONNETREVENUE - Net Revenue Generation	67835.6154	-30823.957	-136465.25	-233551.61	-188891.46
GROSSREVENUE - Gross Revenue, $	847903.781	591026.295	413863.198	263424.138	341922.96
HOURSRUN - Runtime Hours	379.33	339.44	359.72	383.58	377.77
MARKETGENERATIONCOST - Market Sales Generation Costs	196188.6	153146.661	137276.307	79950.1415	34660.3974
MARKETSALES - Spot Sales $	247620.546	183120.684	149032.546	64636.2169	36916.4302

MARKETSALESMW - Spot Sales	41.630911	43.622711	49.368322	24.837871	25.156515
MARKETSALESMWH - Spot Sales MWh	7557.60676	5881.6638	5194.53939	2920.96949	1320.64992
MCP - MCP	22.399358	20.386886	17.943585	17.202913	16.279297
MCPMINSPOTPRICE - MCP min spot price	22.152016	20.052402	17.140163	13.838789	15.823803
NETPOS - Net Position (MWh)	29122.872	22916.384	19777.116	17400.026	18856.996
NETPOSMW - Net position per MW	74.29304	65.103363	52.738976	43.500065	48.104581
NETREVENUE - Net Revenue $	-97142.129	-162185.08	-252365.55	-338076.12	-300724.6
NETREVENUEUNHEDGED - Net Revenue without hedges	-97142.129	-162185.08	-252365.55	-338076.12	-300724.6
NLGENERATION - Native Load Generation MWh	21565.2652	17034.7202	14582.5766	14479.0565	17536.3461
NLGENERATIONCOST - Native Load Generation Costs	577744.265	462929.191	406267.218	409374.529	489296.928
NonZeroMCPHour - Market sales hours greater than colstrip price	175.74	110.15	96.98	76.03	39.46
NWECOSTS - NWE Costs	-67835.615	30823.9569	136465.248	233551.612	188891.465
NWECOSTSMPS - NWE Costs w/ MPS	-315456.16	-152296.73	-12567.298	168915.395	151975.035
OTHERMCPHOUR - Other MCP Hours	193.78	201.32	245.62	259.07	317.15
PO - Planned Outage Rate					
PORTFOLIOLOADNATIVE - Portfolio Load	83672.415	71732.8325	66402.4316	63121.7514	60997.9155
STARTS - Number Starts	0.85	0.8	0.94	1.06	0.95
STARTUPCOST - StartupCost	6135.3	5774.4	6784.92	7651.08	6857.1
TOTALCOSTOFSUPPLY - Total Cost of Supply	945045.91	753211.372	666228.75	601500.257	642647.556
TOTALCOSTS - Total Cost	945045.91	753211.372	666228.75	601500.257	642647.556
TOTALFUELCOST - Total Fuel Cost	734034.531	584680.406	516448.877	465486.635	498123.241
TOTALGEN - All Generation	29122.872	22916.384	19777.116	17400.026	18856.996
TOTALSTARTUPCOST - TotalStartupCost	6135.3	5774.4	6784.92	7651.08	6857.1
TOTALVARIABLECOST - Variable Costs $	945045.91	753211.372	666228.75	601500.257	642647.556
VOMCOSTS - VOM Costs	39898.3346	31395.4461	27094.6489	23838.0356	25834.0845
zeroMCPHour - Market sales hours less than colstrip price			1.68	35.56	3.92
Clark					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.043698	0.02571	0.030239	0.0345	0.036709
FUELCONSUMED - Fuel Consumed					

FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1124.61	1028.85	1093.89	1158.6	1132.83
GENCAPACITYMW - Net Thermal Generation Capacity	2.868903	2.922869	2.91704	2.8965	2.889872
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1176	1056	1128	1200	1176
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3.008	3	3
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					
HOURSRUN - Runtime Hours					
MARKETGENERATIONCOST - Market Sales Generation Costs					
MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					
TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					

TOTALVARIABLECOST - Variable Costs $					
Coyote					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.329909	11.482929	11.751656	12.260532	11.95628
CAPACITYFACTOR - Net Generation Capacity Factor	0.775502	0.70546	0.58894	0.462988	0.518381
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.741454	0.673579	0.565599	0.442595	0.34286
COSTTOSERVELOAD - Cost to Serve Load	274873.18	226685.326	206485.457	175533.551	133930.867
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1213.7432	1042.62245	1079.52193	1030.79276	798.272498
EXPORTGENERATION - Export generation	12497.96	10195.3	9144.61	7612.64	5779.26
FO - Forced Outage Rate	0.044234	0.045909	0.040478	0.042975	0.050688
FUELCONSUMED - Fuel Consumed	141238.989	116558.489	107367.993	93211.816	68893.7701
FUELCOST - Fuel Cost	125574.249	103817.727	95681.694	83101.5354	61381.6607
FUELCOSTPMMBTU - Cost, $/mmBtu	1.8684	1.8684	1.868399	1.868399	1.868399
FUELDELIVERYCOST - Fuel Delivery Cost	138188.227	114040.825	105048.845	91198.4408	67405.6646
GENCAPACITY - Net Thermal Generation Capacity MWh	16110.38	14441.12	15513.54	16419.98	11121.95
GENCAPACITYMW - Net Thermal Generation Capacity	41.097908	41.025909	41.36944	41.04995	28.372321
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	16856	15136	16168	17200	16856
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43	43.114666	43	43
GENERATION - Thermal Generation MWh	12497.96	10195.3	9144.61	7612.64	5779.26
GENERATIONCOSTPMW - Generation Cost	22.406884	22.765482	23.291524	24.318965	24.426762
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	22.060042	22.34367	22.843075	23.793396	23.226301
GENERATIONCOSTS - Thermal Generation Costs	278919.76	230930.77	212724.842	184823.726	140392.567
GENERATIONGROSSREVENUE - Gross Generation Revenue	343776.725	250099.812	186128.843	115666.881	106183.941
GENERATIONNETREVENUE - Net Revenue Generation	64856.965	19169.0426	-26595.999	-69156.845	-34208.625
GROSSREVENUE - Gross Revenue, $	343776.725	250099.812	186128.843	115666.881	106183.941
HOURSRUN - Runtime Hours	374.66	335.84	360.78	381.63	258.65
MARKETGENERATIONCOST - Market Sales Generation Costs	12.479545	247.043319	2383.78492	5541.67433	
MARKETSALES - Spot Sales $	14.305166	302.880231	2652.73574	5849.51692	
MARKETSALESMW - Spot Sales	0.173929	1.783216	7.453255	14.068692	
MARKETSALESMWH - Spot Sales MWh	0.579526	11.543365	110.452053	255.270805	
MCP - MCP	26.186366	20.799752	18.968546	17.270781	16.22777
MCPMINSPOTPRICE - MCP min spot price	20.945316	17.462655	18.533274	17.094253	10.710328
NETPOS - Net Position (MWh)	12497.96	10195.3	9144.61	7612.64	5779.26
NETPOSMW - Net position per MW	31.882551	28.96392	24.385626	19.0316	14.74301
NETREVENUE - Net Revenue $	-8968.6547	-41756.079	-82717.249	-117878.66	-70219.399
NETREVENUEUNHEDGED - Net Revenue without hedges	-8968.6547	-41756.079	-82717.249	-117878.66	-70219.399

NLGENERATION - Native Load Generation MWh	12497.3805	10183.7566	9034.15795	7357.36919	5779.26
NLGENERATIONCOST - Native Load Generation Costs	274873.18	226685.326	206485.457	175533.551	133930.867
NonZeroMCPHour - Market sales hours greater than colstrip price	0.01	0.1	0.83	1.06	
NWECOSTS - NWE Costs	-64856.965	-19169.043	26595.9989	69156.8449	34208.6253
NWECOSTSMPS - NWE Costs w/ MPS	-64871.27	-19471.923	23943.2632	63307.328	34208.6253
OTHERMCPHOUR - Other MCP Hours	19.91	19.42	25.21	25.15	15.52
PO - Planned Outage Rate				0.0025	0.303571
PORTFOLIOLOADNATIVE - Portfolio Load	82009.7136	70328.9897	66382.5583	62808.1203	40353.4637
STARTS - Number Starts	1.13	1.12	1.08	1.05	1.81
STARTUPCOST - StartupCost	4034.1	3998.4	3855.6	3748.5	6461.7
TOTALCOSTOFSUPPLY - Total Cost of Supply	352745.38	291855.892	268846.092	233545.542	176403.34
TOTALCOSTS - Total Cost	352745.38	291855.892	268846.092	233545.542	176403.34
TOTALFUELCOST - Total Fuel Cost	263762.476	217858.553	200730.539	174299.976	128787.325
TOTALGEN - All Generation	12497.96	10195.3	9144.61	7612.64	5779.26
TOTALSTARTUPCOST - TotalStartupCost	4034.1	3998.4	3855.6	3748.5	6461.7
TOTALVARIABLECOST - Variable Costs $	352745.38	291855.892	268846.092	233545.542	176403.34
VOMCOSTS - VOM Costs	11123.1844	9073.817	8138.7029	6775.2496	5143.5414
Faulkton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.030357	0.029857	0.03351	0.02155	0.019464
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1140.3	1024.47	1090.2	1174.14	1153.11
GENCAPACITYMW - Net Thermal Generation Capacity	2.908928	2.910426	2.9072	2.93535	2.941607
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1176	1056	1128	1200	1176
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3.008	3	3
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					

GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder			
GENERATIONCOSTS - Thermal Generation Costs			
GENERATIONGROSSREVENUE - Gross Generation Revenue			
GENERATIONNETREVENUE - Net Revenue Generation			
GROSSREVENUE - Gross Revenue, $			
HOURSRUN - Runtime Hours			
MARKETGENERATIONCOST - Market Sales Generation Costs			
MARKETSALES - Spot Sales $			
MARKETSALESMW - Spot Sales			
MARKETSALESMWH - Spot Sales MWh			
MCP - MCP			
MCPMINSPOTPRICE - MCP min spot price			
NETPOS - Net Position (MWh)			
NETPOSMW - Net position per MW			
NETREVENUE - Net Revenue $			
NETREVENUEUNHEDGED - Net Revenue without hedges			
NLGENERATION - Native Load Generation MWh			
NLGENERATIONCOST - Native Load Generation Costs			
NonZeroMCPHour - Market sales hours greater than colstrip price			
NWECOSTS - NWE Costs			
NWECOSTSMPS - NWE Costs w/ MPS			
OTHERMCPHOUR - Other MCP Hours			
PORTFOLIOLOADNATIVE - Portfolio Load			
STARTS - Number Starts			
TOTALCOSTOFSUPPLY - Total Cost of Supply			
TOTALCOSTS - Total Cost			
TOTALFUELCOST - Total Fuel Cost			
TOTALGEN - All Generation			
TOTALVARIABLECOST - Variable Costs $			
Huron			
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	9.851586	5.323193	2.242706
CAPACITYFACTOR - Net Generation Capacity Factor	0.018247	0.002855	0.002554
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.017727	0.002797	0.002489
COSTTOSERVELOAD - Cost to Serve Load	672.257528	161.274482	195.094882
COSTTOSERVELOADPMW - Cost to Serve Load PMW	2.963679	0.906813	1.05195

EXPORTGENERATION - Export generation		312	52.6		48.8
FO - Forced Outage Rate	0.032295	0.030582	0.031422	0.032575	0.031849
FUELCONSUMED - Fuel Consumed		4405.2	737		686.8
FUELCOST - Fuel Cost		11305.1763	1640.20098		1940.90133
FUELCOSTPMMBTU - Cost, $/mmBtu		1.879655	0.884471		0.440435
GASNLFUELCONSUMED - Native Load Gas Used		332.140238	106.994404		67.556953
GENCAPACITY - Net Thermal Generation Capacity MWh	18935.2	17044.5	18240.3	19246.8	18977.1
GENCAPACITYMW - Net Thermal Generation Capacity	48.304081	48.421875	48.6408	48.117	48.410969
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	19600	17600	18800	20000	19600
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50	50.133333	50	50
GENERATION - Thermal Generation MWh		312	52.6		48.8
GENERATIONCOSTPMW - Generation Cost		38.013466	13.232933		7.0924
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		26.830483	12.507071		6.174562
GENERATIONCOSTS - Thermal Generation Costs		11427.4643	1648.57298		1942.12533
GENERATIONGROSSREVENUE - Gross Generation Revenue		13103.8346	1805.84288		2149.09221
GENERATIONNETREVENUE - Net Revenue Generation		1676.37027	157.269899		206.966876
GROSSREVENUE - Gross Revenue, $		13103.8346	1805.84288		2149.09221
HOURSRUN - Runtime Hours		281.7	336.03	309.96	294.76
MARKETGENERATIONCOST - Market Sales Generation Costs		10755.2068	1487.2985		1747.03045
MARKETSALES - Spot Sales $		12234.4843	1619.49164		1937.92393
MARKETSALESMW - Spot Sales		14.81197	7.257167		3.155043
MARKETSALESMWH - Spot Sales MWh		288.275697	44.957542		43.974503
MCP - MCP		35.65743	25.586893		42.572318
MCPMINSPOTPRICE - MCP min spot price		5.626658	1.791082		1.277169
NETPOS - Net Position (MWh)		312	52.6		48.8
NETPOSMW - Net position per MW		0.886363	0.140266		0.124489
NETREVENUE - Net Revenue $		1676.37027	157.269899		206.966876
NETREVENUEUNHEDGED - Net Revenue without hedges		1676.37027	157.269899		206.966876
NLGENERATION - Native Load Generation MWh		23.724302	7.642457		4.825496
NLGENERATIONCOST - Native Load Generation Costs		672.257528	161.274482		195.094882
NonZeroMCPHour - Market sales hours greater than colstrip price		4.51	0.63		0.74
NWECOSTS - NWE Costs		-1676.3703	-157.2699		-206.96688
NWECOSTSMPS - NWE Costs w/ MPS		-13910.855	-1776.7615		-2144.8908
OTHERMCPHOUR - Other MCP Hours		0.02			0.04
PORTFOLIOLOADNATIVE - Portfolio Load		1942.5674	262.9306		235.8412

STARTS - Number Starts		0.25	0.02		
STARTUPCOST - StartupCost		109.64	8.168		
TOTALCOSTOFSUPPLY - Total Cost of Supply		11427.4643	1648.57298		1942.12533
TOTALCOSTS - Total Cost		11427.4643	1648.57298		1942.12533
TOTALFUELCOST - Total Fuel Cost		11305.1763	1640.20098		1940.90133
TOTALGEN - All Generation		312	52.6		48.8
TOTALSTARTUPCOST - TotalStartupCost		109.64	8.168		
TOTALVARIABLECOST - Variable Costs $		11427.4643	1648.57298		1942.12533
VOMCOSTS - VOM Costs		12.648	0.204		1.224
zeroMCPHour - Market sales hours less than colstrip price					
Mobile Unit					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.029872	0.031107	0.024574	0.0277	0.035306
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1521.16	1364.2	1467.04	1555.68	1512.64
GENCAPACITYMW - Net Thermal Generation Capacity	3.88051	3.875568	3.912106	3.8892	3.858775
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1568	1408	1504	1600	1568
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4	4.010666	4	4
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					
HOURSRUN - Runtime Hours					
MARKETGENERATIONCOST - Market Sales Generation Costs					

MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NonZeroMCPHour - Market sales hours greater than colstrip price					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					
TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					
TOTALVARIABLECOST - Variable Costs $					
Neal					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.142341	10.238023	10.366394	10.732871	
CAPACITYFACTOR - Net Generation Capacity Factor	0.694769	0.627377	0.491525	0.323768	
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.657688	0.593178	0.464212	0.303844	
COSTTOSERVELOAD - Cost to Serve Load	309377.793	252151.802	214504.331	154319.474	
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1364.50053	1158.61206	1115.73286	900.116887	
EXPORTGENERATION - Export generation	15107.896	12235.604	10228.268	7122.12	
FO - Forced Outage Rate	0.056938	0.05642	0.057792	0.06085	0.063724
FUELCONSUMED - Fuel Consumed	152849.482	124545.53	105870.197	76271.9394	
FUELCOST - Fuel Cost	136003.875	110923.471	94529.6746	68017.9714	
FUELCOSTPMMBTU - Cost, $/mmBtu	1.9798	1.9798	1.9798	1.9798	
FUELDELIVERYCOST - Fuel Delivery Cost	166575.365	135729.719	115377.34	83121.1595	
GENCAPACITY - Net Thermal Generation Capacity MWh	21663.248	19463.404	20760.222	21959.178	

GENCAPACITYMW - Net Thermal Generation Capacity	55.263387	55.293761	55.360591	54.897944	
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	22971.2	20627.2	22033.6	23440	22971.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.599999	58.6	58.756266	58.599999	58.599999
GENERATION - Thermal Generation MWh	15107.896	12235.604	10228.268	7122.12	
GENERATIONCOSTPMW - Generation Cost	22.251849	22.783811	23.081279	25.527436	
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.530426	20.718697	20.971131	21.695061	
GENERATIONCOSTS - Thermal Generation Costs	332374.04	273374.059	233943.184	178959.786	
GENERATIONGROSSREVENUE - Gross Generation Revenue	437060.782	320669.382	229044.311	122812.201	
GENERATIONNETREVENUE - Net Revenue Generation	104686.742	47295.3225	-4898.8721	-56147.585	
GROSSREVENUE - Gross Revenue, $	437060.782	320669.382	229044.311	122812.201	
HOURSRUN - Runtime Hours	369.68	332.14	354.27	373.63	
MARKETGENERATIONCOST - Market Sales Generation Costs		7.409706	5.404266	24.610745	
MARKETSALES - Spot Sales $		7.500598	5.130755	26.256521	
MARKETSALESMW - Spot Sales		0.358	0.131093	0.771947	
MARKETSALESMWH - Spot Sales MWh		0.358	0.24408	1.162574	
MCP - MCP	25.862512	21.600835	20.393059	17.302053	
MCPMINSPOTPRICE - MCP min spot price	8.276003	5.832225	5.286862	8.200395	
NETPOS - Net Position (MWh)	15107.896	12235.604	10228.268	7122.12	
NETPOSMW - Net position per MW	38.540551	34.760238	27.275381	17.8053	
NETREVENUE - Net Revenue $	24792.3181	-17804.626	-60237.224	-96014.927	
NETREVENUEUNHEDGED - Net Revenue without hedges	24792.3181	-17804.626	-60237.224	-96014.927	
NLGENERATION - Native Load Generation MWh	15107.896	12235.246	10228.0239	7120.95743	
NLGENERATIONCOST - Native Load Generation Costs	309377.793	252151.802	214504.331	154319.474	
NonZeroMCPHour - Market sales hours greater than colstrip price					
NWECOSTS - NWE Costs	-104686.74	-47295.323	4898.87209	56147.5845	
NWECOSTSMPS - NWE Costs w/ MPS	-104686.74	-47302.823	4893.74134	56121.328	
OTHERMCPHOUR - Other MCP Hours	2.35	1.13	0.84	2.71	
PO - Planned Outage Rate				0.0025	1
PORTFOLIOLOADNATIVE - Portfolio Load	75634.1893	65474.6523	61522.4145	57364.1051	
STARTS - Number Starts	1.42	1.31	1.2	1.52	
STARTUPCOST - StartupCost	22996.2468	21214.8474	19433.448	24615.7008	
TOTALCOSTOFSUPPLY - Total Cost of Supply	412268.464	338474.008	289281.535	218827.128	
TOTALCOSTS - Total Cost	412268.464	338474.008	289281.535	218827.128	
TOTALFUELCOST - Total Fuel Cost	302579.24	246653.19	209907.015	151139.131	
TOTALGEN - All Generation	15107.896	12235.604	10228.268	7122.12	

TOTALSTARTUPCOST - TotalStartupCost	22996.2468	21214.8474	19433.448	24615.7008	
TOTALVARIABLECOST - Variable Costs $	412268.464	338474.008	289281.535	218827.128	
VOMCOSTS - VOM Costs	6798.5532	5506.0218	4602.7206	3204.954	
zeroMCPHour - Market sales hours less than colstrip price					
Yankton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		7.65	2.4		1.05
CAPACITYFACTOR - Net Generation Capacity Factor		0.012052	0.001315		0.001334
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.011789	0.001276		0.001198
COSTTOSERVELOAD - Cost to Serve Load		75.307466	15.060425		1.899345
COSTTOSERVELOADPMW - Cost to Serve Load PMW		0.314745	0.08087		0.010487
EXPORTGENERATION - Export generation		58.1	6.72		6.58
FO - Forced Outage Rate	0.02102	0.029545	0.025212	0.035225	0.031045
FUELCONSUMED - Fuel Consumed		871.5	100.8		98.7
FUELCOST - Fuel Cost		2181.39839	218.881177		275.972314
FUELCOSTPMMBTU - Cost, $/mmBtu		1.325019	0.360621		0.198041
GASNLFUELCONSUMED - Native Load Gas Used		37.626931	11.724633		0.579691
GENCAPACITY - Net Thermal Generation Capacity MWh	5372.64	4782.4	5131.28	5402.74	5317.62
GENCAPACITYMW - Net Thermal Generation Capacity	13.705714	13.586363	13.683413	13.50685	13.565357
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	5488	4928	5264	5600	5488
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14	14.037333	14	14
GENERATION - Thermal Generation MWh		58.1	6.72		6.58
GENERATIONCOSTPMW - Generation Cost		22.44597	5.409316		3.045628
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		22.44597	5.409316		3.045628
GENERATIONCOSTS - Thermal Generation Costs		2317.89839	218.881177		286.472314
GENERATIONGROSSREVENUE - Gross Generation Revenue		2542.50153	238.672812		301.029844
GENERATIONNETREVENUE - Net Revenue Generation		224.603135	19.791634		14.557529
GROSSREVENUE - Gross Revenue, $		2542.50153	238.672812		301.029844
HOURSRUN - Runtime Hours		136.59	189.93	180.34	175.12
MARKETGENERATIONCOST - Market Sales Generation Costs		2242.59093	203.820751		284.572968
MARKETSALES - Spot Sales $		2434.51184	220.465134		299.093532
MARKETSALESMW - Spot Sales		7.124208	2.212785		0.960676
MARKETSALESMWH - Spot Sales MWh		55.591537	5.938357		6.541353
MCP - MCP		38.208534	19.267672		49.147184
MCPMINSPOTPRICE - MCP min spot price		1.146256	0.192676		0.491471
NETPOS - Net Position (MWh)		58.1	6.72		6.58

NETPOSMW - Net position per MW		0.165056	0.01792		0.016785
NETREVENUE - Net Revenue $		224.603135	19.791634		14.557529
NETREVENUEUNHEDGED - Net Revenue without hedges		224.603135	19.791634		14.557529
NLGENERATION - Native Load Generation MWh		2.508462	0.781642		0.038646
NLGENERATIONCOST - Native Load Generation Costs		75.307466	15.060425		1.899345
NonZeroMCPHour - Market sales hours greater than colstrip price		2.79	0.38		0.41
NWECOSTS - NWE Costs		-224.60314	-19.791634		-14.557529
NWECOSTSMPS - NWE Costs w/ MPS		-2659.115	-240.25677		-313.65106
OTHERMCPHOUR - Other MCP Hours		0.05			
PORTFOLIOLOADNATIVE - Portfolio Load		918.0878	94.1048		85.6181
STARTS - Number Starts		0.13			0.01
STARTUPCOST - StartupCost		136.5			10.5
TOTALCOSTOFSUPPLY - Total Cost of Supply		2317.89839	218.881177		286.472314
TOTALCOSTS - Total Cost		2317.89839	218.881177		286.472314
TOTALFUELCOST - Total Fuel Cost		2181.39839	218.881177		275.972314
TOTALGEN - All Generation		58.1	6.72		6.58
TOTALSTARTUPCOST - TotalStartupCost		136.5			10.5
TOTALVARIABLECOST - Variable Costs $		2317.89839	218.881177		286.472314
zeroMCPHour - Market sales hours less than colstrip price					
Generation Asset - Total					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.779489	10.89683	11.113942	11.507123	11.481697
CAPACITYFACTOR - Net Generation Capacity Factor	0.409175	0.377477	0.297667	0.228314	0.223523
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.394214	0.362576	0.286152	0.218909	0.173636
COSTTOSERVELOAD - Cost to Serve Load	1161995.24	948286.081	828716.181	739227.555	624446.533
COSTTOSERVELOADPMW - Cost to Serve Load PMW	5112.56228	4347.21738	4334.53888	4342.1288	3734.93159
EXPORTGENERATION - Export generation	56728.728	46851.868	39497.574	32144.646	24986.856
FO - Forced Outage Rate	0.034972	0.035263	0.03387	0.035652	0.036143
FUELCONSUMED - Fuel Consumed	609714.536	508379.033	438525	369546.985	286412.752
FUELCOST - Fuel Cost	542152.686	482623.768	397518.43	329603.023	262333.417
FUELCOSTPMMBTU - Cost, $/mmBtu	2.133281	2.150534	2.133022	2.139815	2.221975
FUELDELIVERYCOST - Fuel Delivery Cost	758223.56	610831.423	538991.264	461617.014	374791.66
GASNLFUELCONSUMED - Native Load Gas Used		2054.71448	563.373028		342.991432
GENCAPACITY - Net Thermal Generation Capacity MWh	138570.703	124119.274	132636.482	140712.703	111767.035
GENCAPACITYMW - Net Thermal Generation Capacity	353.496691	352.611573	353.697285	351.781757	285.119987
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	143903.2	129219.2	138029.6	146840	143903.2

GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999	368.078933	367.099999	367.099999
GENERATION - Thermal Generation MWh	56728.728	46851.868	39497.574	32144.646	24986.856
GENERATIONCOSTPMW - Generation Cost	71.560557	163.784307	118.036858	81.087374	78.0591
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.01612	24.59131	24.764045	25.675651	26.825184
GENERATIONCOSTS - Thermal Generation Costs	1391361.97	1178990.5	1008549.93	861127.702	683586.024
GENERATIONGROSSREVENUE - Gross Generation Revenue	1628741.29	1222983.79	841739.522	502281.012	461936.917
GENERATIONNETREVENUE - Net Revenue Generation	237379.322	43993.2972	-166810.41	-358846.69	-221649.11
GROSSREVENUE - Gross Revenue, $	1628741.29	1222983.79	841739.522	502281.012	461936.917
HOURSRUN - Runtime Hours	1123.67	1664.03	1878.33	1883.56	1317.79
MARKETGENERATIONCOST - Market Sales Generation Costs	196201.08	199716.767	149759.779	85884.8658	45820.691
MARKETSALES - Spot Sales $	247634.851	236747.462	162763.026	70889.7821	49380.5475
MARKETSALESMW - Spot Sales	13.934947	18.5724	16.00425	10.934627	9.410467
MARKETSALESMWH - Spot Sales MWh	7558.18628	7193.02427	5597.18323	3187.26287	1637.20489
MCP - MCP	24.053014	23.778058	20.077157	17.260683	18.296907
MCPMINSPOTPRICE - MCP min spot price	23.920343	23.597752	19.722626	15.753788	18.003585
NETPOS - Net Position (MWh)	56728.728	46851.868	39497.574	32144.646	24986.856
NETPOSMW - Net position per MW	144.716142	133.101897	105.326864	80.361615	63.741979
NETREVENUE - Net Revenue $	-81318.465	-213392.89	-394170.31	-551960.35	-369493.01
NETREVENUEUNHEDGED - Net Revenue without hedges	-81318.465	-213392.89	-394170.31	-551960.35	-369493.01
NLGENERATION - Native Load Generation MWh	49170.5417	39658.8437	33900.3908	28957.3831	23349.6511
NLGENERATIONCOST - Native Load Generation Costs	1161995.24	948286.081	828716.181	739227.555	624446.533
NonZeroMCPHour - Market sales hours greater than colstrip price	175.75	128.76	102.14	77.26	44.49
NWECOSTS - NWE Costs	-237379.32	-43993.297	166810.406	358846.689	221649.107
NWECOSTSMPS - NWE Costs w/ MPS	-485014.17	-280740.76	4047.37939	287956.907	172268.56
OTHERMCPHOUR - Other MCP Hours	216.04	222.77	271.78	286.93	332.83
PO - Planned Outage Rate				0.000454	0.118506
PORTFOLIOLOADNATIVE - Portfolio Load	241316.318	214745.156	195678.362	183325.261	102579.187
STARTS - Number Starts	3.4	4.18	3.41	3.64	2.89
STARTUPCOST - StartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALCOSTOFSUPPLY - Total Cost of Supply	1710059.75	1436376.69	1235909.83	1054241.37	831429.929
TOTALCOSTS - Total Cost	1710059.75	1436376.69	1235909.83	1054241.37	831429.929
TOTALFUELCOST - Total Fuel Cost	1300376.25	1093455.19	936509.694	791220.037	637125.077
TOTALGEN - All Generation	56728.728	46851.868	39497.574	32144.646	24986.856
TOTALSTARTUPCOST - TotalStartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALVARIABLECOST - Variable Costs $	1710059.75	1436376.69	1235909.83	1054241.37	831429.929

VOMCOSTS - VOM Costs	57820.0722	54088.1201	41894.4528	33888.6396	33086.7207
zeroMCPHour - Market sales hours less than colstrip price			1.68	35.56	3.92
Load					
South Dakota Load					
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
COSTTOSERVELOAD - Cost to Serve Load	254528.284	234906.19	192265.461	137009.888	258711.708
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1118.22953	1072.73855	997.54218	790.894765	1536.52402
EXPORTGENERATION - Export generation	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
GENERATIONLOAD - Load @ Generation	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
MARKETPURCHASES - Spot Purchases $	254528.284	234906.19	192265.461	137009.888	258711.708
MARKETPURCHASESHOURS - Market Purchase Flag	214.8	222.36	270.6	282.58	341.82
MARKETPURCHASESMAX - Max Spot Purchases	149.2413	144.332925	121.116933	102.990222	122.80247
MARKETPURCHASESMW - Spot Purchases	64.618927	65.131305	48.642858	35.561294	50.684003
MARKETPURCHASESMWH - Spot Purchases MWh	14421.1093	14932.0503	13315.7244	10334.6042	17469.9504
NETPOS - Net Position (MWh)	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
NETPOSMW - Net position per MW	-226.45456	-217.59926	-191.09911	-170.07527	-166.85971
NETREVENUE - Net Revenue $	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NETREVENUEPMW - Net Revenue $/MWh	-25.705063	-22.387854	-18.398349	-14.396074	-16.381939
NETREVENUEUNHEDGED - Net Revenue without hedges	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NWECOSTS - NWE Costs	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
NWECOSTSMPS - NWE Costs w/ MPS	2536497.68	1950457.83	1510907.06	1116212.86	1330350.29
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALCOSTS - Total Cost	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALVARIABLECOST - Variable Costs $	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
Load - Total					
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
COSTTOSERVELOAD - Cost to Serve Load	254528.284	234906.19	192265.461	137009.888	258711.708
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1118.22953	1072.73855	997.54218	790.894765	1536.52402
EXPORTGENERATION - Export generation	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
GENERATIONLOAD - Load @ Generation	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
MARKETPURCHASES - Spot Purchases $	254528.284	234906.19	192265.461	137009.888	258711.708
MARKETPURCHASESHOURS - Market Purchase Flag	214.8	222.36	270.6	282.58	341.82
MARKETPURCHASESMAX - Max Spot Purchases	149.2413	144.332925	121.116933	102.990222	122.80247
MARKETPURCHASESMW - Spot Purchases	64.618927	65.131305	48.642858	35.561294	50.684003

MARKETPURCHASESMWH - Spot Purchases MWh	14421.1093	14932.0503	13315.7244	10334.6042	17469.9504
NETPOS - Net Position (MWh)	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
NETPOSMW - Net position per MW	-226.45456	-217.59926	-191.09911	-170.07527	-166.85971
NETREVENUE - Net Revenue $	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NETREVENUEPMW - Net Revenue $/MWh	-25.705063	-22.387854	-18.398349	-14.396074	-16.381939
NETREVENUEUNHEDGED - Net Revenue without hedges	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NWECOSTS - NWE Costs	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
NWECOSTSMPS - NWE Costs w/ MPS	2536497.68	1950457.83	1510907.06	1116212.86	1330350.29
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALCOSTS - Total Cost	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALVARIABLECOST - Variable Costs $	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
N/A					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
Wind Asset					
B & H					
COSTTOSERVELOAD - Cost to Serve Load	217467.766	200328.305	211879.249	247784.927	222608.72
COSTTOSERVELOADPMW - Cost to Serve Load PMW	964.86361	925.164726	1120.01481	1465.0109	1339.95738
EXPORTGENERATION - Export generation	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461
GROSSREVENUE - Gross Revenue, $	216392.441	165113.77	142284.162	130230.161	133230.779
NETPOS - Net Position (MWh)	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461
NETPOSMW - Net position per MW	21.867691	21.16454	21.011949	23.036902	21.118608
NETREVENUE - Net Revenue $	-13635.632	-35214.535	-69595.086	-117554.77	-89377.941
NETREVENUEUNHEDGED - Net Revenue without hedges	-13635.632	-35214.535	-69595.086	-117554.77	-89377.941
NLGENERATION - Native Load Generation MWh	8095.49766	7449.91837	7879.48117	9214.76115	8278.49461
NLGENERATIONCOST - Native Load Generation Costs	217467.766	200328.305	211879.249	247784.927	222608.72
NWECOSTS - NWE Costs	13635.632	35214.5351	69595.0863	117554.766	89377.9411
NWECOSTSMPS - NWE Costs w/ MPS	13635.632	35214.5351	69595.0863	117554.766	89377.9411
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	230028.073	200328.305	211879.249	247784.927	222608.72
TOTALCOSTS - Total Cost	230028.073	200328.305	211879.249	247784.927	222608.72
TOTALGEN - All Generation	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461

TOTALVARIABLECOST - Variable Costs $	230028.073	200328.305	211879.249	247784.927	222608.72
WINDCOSTS - Wind Cost	230028.073	200328.305	211879.249	247784.927	222608.72
WINDGEN - Generation - Wind	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461
WINDGROSSREVENUE - Gross Wind Revenue	216392.441	165113.77	142284.162	130230.161	133230.779
WINDNETREVENUE - Net Wind Revenue $	-13635.632	-35214.535	-69595.086	-117554.77	-89377.941
WINDTOTALCOST - Wind Total Costs	230028.073	200328.305	211879.249	247784.927	222608.72
B & H II					
COSTTOSERVELOAD - Cost to Serve Load	226363.815	208582.646	220643.58	257775.086	231705.919
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1004.32598	963.270713	1166.39158	1523.96485	1394.69607
EXPORTGENERATION - Export generation	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
GROSSREVENUE - Gross Revenue, $	243157.239	185512.267	159863.556	146236.777	149654.023
MCP - MCP	16.666984	21.900654	16.159951	13.95914	15.835575
MCPMINSPOTPRICE - MCP min spot price	0.666679	0.876026	0.807997	1.256322	10.451479
NETPOS - Net Position (MWh)	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
NETPOSMW - Net position per MW	24.573083	23.778665	23.610869	25.860261	23.719363
NETREVENUE - Net Revenue $	3679.39336	-23070.378	-60780.024	-111538.31	-82051.896
NETREVENUEUNHEDGED - Net Revenue without hedges	3679.39336	-23070.378	-60780.024	-111538.31	-82051.896
NLGENERATION - Native Load Generation MWh	9097.02906	8370.09011	8854.07625	10344.1046	9297.99033
NLGENERATIONCOST - Native Load Generation Costs	226363.815	208582.646	220643.58	257775.086	231705.919
NWECOSTS - NWE Costs	-3679.3934	23070.3781	60780.0238	111538.309	82051.8964
NWECOSTSMPS - NWE Costs w/ MPS	-3679.3934	23070.3781	60780.0238	111538.309	82051.8964
OTHERMCPHOUR - Other MCP Hours	0.21	0.47	0.4	0.25	10.76
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	239477.846	208582.646	220643.58	257775.086	231705.919
TOTALCOSTS - Total Cost	239477.846	208582.646	220643.58	257775.086	231705.919
TOTALGEN - All Generation	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
TOTALVARIABLECOST - Variable Costs $	239477.846	208582.646	220643.58	257775.086	231705.919
WINDCOSTS - Wind Cost	239477.846	208582.646	220643.58	257775.086	231705.919
WINDGEN - Generation - Wind	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
WINDGROSSREVENUE - Gross Wind Revenue	243157.239	185512.267	159863.556	146236.777	149654.023
WINDNETREVENUE - Net Wind Revenue $	3679.39336	-23070.378	-60780.024	-111538.31	-82051.896
WINDTOTALCOST - Wind Total Costs	239477.846	208582.646	220643.58	257775.086	231705.919
OakTree					
COSTTOSERVELOAD - Cost to Serve Load	185383.774	175346.551	189615.164	224030.832	169030.081
COSTTOSERVELOADPMW - Cost to Serve Load PMW	820.372525	809.952913	1002.27313	1328.84065	1016.91169

EXPORTGENERATION - Export generation	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
GROSSREVENUE - Gross Revenue, $	91120.0197	74172.3782	65832.3551	59587.8653	52248.8114
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
NETPOSMW - Net position per MW	9.231266	9.723669	9.870006	10.932599	8.416927
NETREVENUE - Net Revenue $	-94263.754	-101174.17	-123782.81	-164442.97	-116781.27
NETREVENUEUNHEDGED - Net Revenue without hedges	-94263.754	-101174.17	-123782.81	-164442.97	-116781.27
NLGENERATION - Native Load Generation MWh	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
NLGENERATIONCOST - Native Load Generation Costs	185383.774	175346.551	189615.164	224030.832	169030.081
NWECOSTS - NWE Costs	94263.7544	101174.173	123782.809	164442.967	116781.27
NWECOSTSMPS - NWE Costs w/ MPS	94263.7544	101174.173	123782.809	164442.967	116781.27
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	185383.774	175346.551	189615.164	224030.832	169030.081
TOTALCOSTS - Total Cost	185383.774	175346.551	189615.164	224030.832	169030.081
TOTALGEN - All Generation	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
TOTALVARIABLECOST - Variable Costs $	185383.774	175346.551	189615.164	224030.832	169030.081
WINDCOSTS - Wind Cost	185383.774	175346.551	189615.164	224030.832	169030.081
WINDGEN - Generation - Wind	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
WINDGROSSREVENUE - Gross Wind Revenue	91120.0197	74172.3782	65832.3551	59587.8653	52248.8114
WINDNETREVENUE - Net Wind Revenue $	-94263.754	-101174.17	-123782.81	-164442.97	-116781.27
WINDTOTALCOST - Wind Total Costs	185383.774	175346.551	189615.164	224030.832	169030.081
Titan					
COSTTOSERVELOAD - Cost to Serve Load	275943.895	174624.898	253670.938	303945.001	234840.78
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1232.82596	811.293769	1350.34815	1803.90889	1416.77788
EXPORTGENERATION - Export generation	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
GROSSREVENUE - Gross Revenue, $	113924.333	60069.2087	70103.1322	65907.4782	58068.4764
NETPOS - Net Position (MWh)	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
NETPOSMW - Net position per MW	11.817764	7.844615	10.696645	12.015536	9.473175
NETREVENUE - Net Revenue $	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
NETREVENUEUNHEDGED - Net Revenue without hedges	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
NLGENERATION - Native Load Generation MWh	4367.35476	2761.30452	4011.2419	4806.21444	3713.48483
NLGENERATIONCOST - Native Load Generation Costs	275943.895	174624.898	253670.938	303945.001	234840.78
NWECOSTS - NWE Costs	178627.922	114555.689	183567.805	238037.523	176772.304

NWECOSTSMPS - NWE Costs w/ MPS	178627.922	114555.689	183567.805	238037.523	176772.304
PORTFOLIOLOADNATIVE - Portfolio Load	88123.4513	75044.0763	71547.8803	68030.1074	65347.8077
TOTALCOSTOFSUPPLY - Total Cost of Supply	292552.254	174624.898	253670.938	303945.001	234840.78
TOTALCOSTS - Total Cost	292552.254	174624.898	253670.938	303945.001	234840.78
TOTALGEN - All Generation	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
TOTALVARIABLECOST - Variable Costs $	292552.254	174624.898	253670.938	303945.001	234840.78
WINDCOSTS - Wind Cost	292552.254	174624.898	253670.938	303945.001	234840.78
WINDGEN - Generation - Wind	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
WINDGROSSREVENUE - Gross Wind Revenue	113924.333	60069.2087	70103.1322	65907.4782	58068.4764
WINDNETREVENUE - Net Wind Revenue $	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
WINDTOTALCOST - Wind Total Costs	292552.254	174624.898	253670.938	303945.001	234840.78
Wind Asset - Total					
COSTTOSERVELOAD - Cost to Serve Load	905159.251	758882.399	875808.93	1033535.85	858185.501
COSTTOSERVELOADPMW - Cost to Serve Load PMW	4022.38807	3509.68212	4639.02767	6121.72529	5168.34301
EXPORTGENERATION - Export generation	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
GROSSREVENUE - Gross Revenue, $	664594.033	484867.624	438083.206	401962.282	393202.089
MCP - MCP	16.666984	21.900654	16.159951	13.95914	15.835575
MCPMINSPOTPRICE - MCP min spot price	0.666679	0.876026	0.807997	1.256322	10.451479
NETPOS - Net Position (MWh)	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
NETPOSMW - Net position per MW	67.489805	62.51149	65.189471	71.8453	62.728074
NETREVENUE - Net Revenue $	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
NETREVENUEUNHEDGED - Net Revenue without hedges	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
NLGENERATION - Native Load Generation MWh	25178.538	22004.0448	24446.0518	28738.12	24589.4053
NLGENERATIONCOST - Native Load Generation Costs	905159.251	758882.399	875808.93	1033535.85	858185.501
NWECOSTS - NWE Costs	282847.915	274014.775	437725.724	631573.565	464983.411
NWECOSTSMPS - NWE Costs w/ MPS	282847.915	274014.775	437725.724	631573.565	464983.411
OTHERMCPHOUR - Other MCP Hours	0.21	0.47	0.4	0.25	10.76
PORTFOLIOLOADNATIVE - Portfolio Load	354434.018	304828.893	286534.381	272120.43	261574.828
TOTALCOSTOFSUPPLY - Total Cost of Supply	947441.948	758882.399	875808.93	1033535.85	858185.501
TOTALCOSTS - Total Cost	947441.948	758882.399	875808.93	1033535.85	858185.501
TOTALGEN - All Generation	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
TOTALVARIABLECOST - Variable Costs $	947441.948	758882.399	875808.93	1033535.85	858185.501
WINDCOSTS - Wind Cost	947441.948	758882.399	875808.93	1033535.85	858185.501
WINDGEN - Generation - Wind	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
WINDGROSSREVENUE - Gross Wind Revenue	664594.033	484867.624	438083.206	401962.282	393202.089

WINDNETREVENUE - Net Wind Revenue $	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
WINDTOTALCOST - Wind Total Costs	947441.948	758882.399	875808.93	1033535.85	858185.501
Total					
Total - Total					
Total - Total - Total					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.779489	10.89683	11.113942	11.507123	11.481697
CAPACITYFACTOR - Net Generation Capacity Factor	0.409175	0.377477	0.297667	0.228314	0.223523
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.394214	0.362576	0.286152	0.218909	0.173636
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
COSTTOSERVELOAD - Cost to Serve Load	2321682.77	1942074.67	1896790.57	1909773.29	1741343.74
COSTTOSERVELOADPMW - Cost to Serve Load PMW	10253.1799	8929.63806	9971.10873	11254.7489	10439.7986
EXPORTGENERATION - Export generation	-5585.4572	-7739.026	-7718.5411	-7147.3414	-15832.746
FIXEDCOST - Fixed Cost	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
FO - Forced Outage Rate	0.034972	0.035263	0.03387	0.035652	0.036143
FUELCONSUMED - Fuel Consumed	609714.536	508379.033	438525	369546.985	286412.752
FUELCOST - Fuel Cost	542152.686	482623.768	397518.43	329603.023	262333.417
FUELCOSTPMMBTU - Cost, $/mmBtu	2.133281	2.150534	2.133022	2.139815	2.221975
FUELDELIVERYCOST - Fuel Delivery Cost	758223.56	610831.423	538991.264	461617.014	374791.66
GASNLFUELCONSUMED - Native Load Gas Used		2054.71448	563.373028		342.991432
GENCAPACITY - Net Thermal Generation Capacity MWh	138570.703	124119.274	132636.482	140712.703	111767.035
GENCAPACITYMW - Net Thermal Generation Capacity	353.496691	352.611573	353.697285	351.781757	285.119987
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	143903.2	129219.2	138029.6	146840	143903.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999	368.078933	367.099999	367.099999
GENERATION - Thermal Generation MWh	56728.728	46851.868	39497.574	32144.646	24986.856
GENERATIONCOSTPMW - Generation Cost	71.560557	163.784307	118.036858	81.087374	78.0591
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.01612	24.59131	24.764045	25.675651	26.825184
GENERATIONCOSTS - Thermal Generation Costs	1391361.97	1178990.5	1008549.93	861127.702	683586.024
GENERATIONGROSSREVENUE - Gross Generation Revenue	1628741.29	1222983.79	841739.522	502281.012	461936.917
GENERATIONLOAD - Load @ Generation	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
GENERATIONNETREVENUE - Net Revenue Generation	237379.322	43993.2972	-166810.41	-358846.69	-221649.11
GROSSREVENUE - Gross Revenue, $	2293335.32	1707851.42	1279822.73	904243.294	855139.006
HOURSRUN - Runtime Hours	1123.67	1664.03	1878.33	1883.56	1317.79
MARKETGENERATIONCOST - Market Sales Generation Costs	196201.08	199716.767	149759.779	85884.8658	45820.691
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
MARKETPURCHASES - Spot Purchases $	254528.284	234906.19	192265.461	137009.888	258711.708

MARKETPURCHASESHOURS - Market Purchase Flag	214.8	222.36	270.6	282.58	341.82
MARKETPURCHASESMAX - Max Spot Purchases	149.2413	144.332925	121.116933	102.990222	122.80247
MARKETPURCHASESMW - Spot Purchases	8.077365	5.427608	4.053571	3.951254	4.607636
MARKETPURCHASESMWH - Spot Purchases MWh	14,421.11	14,932.05	13,315.72	10,334.60	17,469.95
MARKETSALES - Spot Sales $	247634.851	236747.462	162763.026	70889.7821	49380.5475
MARKETSALESMW - Spot Sales	5.225605	10.8339	9.335812	4.859834	5.132982
MARKETSALESMWH - Spot Sales MWh	7,558.19	7,193.02	5,597.18	3,187.26	1,637.20
MCP - MCP	23.971969	23.762702	20.041056	17.180051	17.859663
MCPMINSPOTPRICE - MCP min spot price	23.840331	23.583427	19.690342	15.705132	17.64107
NETPOS - Net Position (MWh)	-5585.4572	-7739.026	-7718.5411	-7147.3414	-15832.746
NETPOSMW - Net position per MW	-14.248615	-21.985869	-20.582776	-17.868353	-40.389656
NETREVENUE - Net Revenue $	-5722723.8	-4965609.8	-5101550.7	-5302112.5	-4982703.1
NETREVENUEPMW - Net Revenue $/MWh	-64.483109	-64.851213	-71.213056	-77.967038	-76.18382
NETREVENUEUNHEDGED - Net Revenue without hedges	-5722723.8	-4965609.8	-5101550.7	-5302112.5	-4982703.1
NLGENERATION - Native Load Generation MWh	74349.0797	61662.8885	58346.4425	57695.5032	47939.0564
NLGENERATIONCOST - Native Load Generation Costs	2067154.49	1707168.48	1704525.11	1772763.4	1482632.03
NWECOSTS - NWE Costs	5404026.05	4708223.63	4874190.77	5108998.8	4834859.16
NWECOSTSMPS - NWE Costs w/ MPS	5410919.48	4706382.36	4903693.2	5175118.9	5044190.32
PO - Planned Outage Rate				0.000454	0.118506
PORTFOLIOLOADNATIVE - Portfolio Load	684520.525	596168.987	553874.909	523475.798	429563.022
STARTS - Number Starts	3.4	4.18	3.41	3.64	2.89
STARTUPCOST - StartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALCOSTOFSUPPLY - Total Cost of Supply	8016059.16	6673461.24	6381373.4	6206355.76	5837842.07
TOTALCOSTS - Total Cost	4939471.1	3910810.73	3430360.36	3066980.18	2761254.01
TOTALFUELCOST - Total Fuel Cost	1300376.25	1093455.19	936509.694	791220.037	637125.077
TOTALGEN - All Generation	83184.7318	68855.9128	63943.6258	60882.766	49576.2613
TOTALSTARTUPCOST - TotalStartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALVARIABLECOST - Variable Costs $	4939471.1	3910810.73	3430360.36	3066980.18	2761254.01
VOMCOSTS - VOM Costs	57820.0722	54088.1201	41894.4528	33888.6396	33086.7207
WINDCOSTS - Wind Cost	947441.948	758882.399	875808.93	1033535.85	858185.501
WINDGEN - Generation - Wind	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
WINDGROSSREVENUE - Gross Wind Revenue	664594.033	484867.624	438083.206	401962.282	393202.089
WINDNETREVENUE - Net Wind Revenue $	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
WINDTOTALCOST - Wind Total Costs	947441.948	758882.399	875808.93	1033535.85	858185.501

2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
-2888225.5	-3327738.1	-2951013	-3139375.6	-3076588.1	-3013800.6	-3327895.1	-3138119.8	-2817903.5	-3138119.8	-3074077
-2888225.5	-3327738.1	-2951013	-3139375.6	-3076588.1	-3013800.6	-3327895.1	-3138119.8	-2817903.5	-3138119.8	-3074077
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6

15.87	18.17	15.869999	16.42	17.37	16.62	20.27	26.77	24.419999	19.869999	18.77
0	0	0	0	0	0	0	0	0	0	0
15.74	18.04	15.739999	16.29	17.24	16.49	20.14	26.64	24.289999	19.739999	18.64
15.84	18.14	15.839999	16.39	17.34	16.59	20.24	26.74	24.389999	19.839999	18.74
15.089999	17.389999	15.09	15.64	16.589999	15.839999	19.49	25.989999	23.64	19.09	17.99
15.379999	17.679999	15.38	15.93	16.879999	16.129999	19.78	26.279999	23.93	19.38	18.28
15.82	18.12	15.819999	16.37	17.32	16.57	20.22	26.72	24.369999	19.819999	18.72
15.86	18.16	15.859999	16.41	17.36	16.61	20.26	26.76	24.409999	19.859999	18.76

17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	18.329023	18.329023	18.329023	18.329023
0.89	0.889999	0.89	0.89	0.89	0.89	0.889999	0.969999	0.97	0.97	0.97
15.55	17.85	15.55	16.1	17.05	16.3	19.95	26.45	24.1	19.55	18.45
2.839587	2.857735	2.855461	2.847505	2.892249	3.345245	3.748458	4.017809	4.031241	3.631875	3.278932
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
0.023125	0.033018	0.031409	0.032025	0.031173	0.028906	0.024693	0.021122	0.034232	0.024132	0.034843
8088.525	9225	8194.275	8711.775	8545.05	8390.25	9304.425	8633.7	7648.875	8607.15	8338.95
21.979687	21.757075	21.793284	21.779437	21.798596	21.792857	21.944398	22.024744	21.729758	22.013171	21.716015
8280	9540	8460	9000	8820	8640	9540	8820	7920	8820	8640
22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.557544	22.5

5.74559	8.853859	6.40492	5.46302	3.01408	3.67341	3.10827	8.288719	7.911959	6.21654	4.99207
0.019972	0.057938	0.022638	0.029791	0.006291	0.003596	0.002363	0.085526	0.069331	0.013144	0.010811
0.019402	0.055872	0.021914	0.028575	0.005994	0.003463	0.002311	0.083392	0.067102	0.012704	0.010468
1969.12187	16566.2733	4287.42308	3000.67094	52.996558	381.996972	519.289177	11820.8263	8024.95672	1331.95922	433.677
8.942743	63.428385	17.483893	14.200197	0.276156	1.855447	2.070273	48.85541	34.889352	6.198211	2.357251
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16

0.033152	0.031957	0.032553	0.0308	0.030765	0.032369	0.021202	0.027933	0.03392	0.029056	0.031328
3900.59628	12941.8944	4501.52848	6244.23186	1283.8097	726.58166	535.37596	17858.6124	12903.6532	2720.58396	2196.134
11223.3755	37917.0559	13255.3873	17665.6912	3452.65139	2079.18536	1976.08827	56464.909	39329.725	8539.69684	7333.966
1.759866	2.70544	1.960542	1.640795	0.846661	1.140421	1.192313	2.841539	2.654972	2.072595	1.731023
538.16541	4448.59598	1135.99561	828.566683	14.169459	105.628611	117.352981	3018.28588	2254.42555	363.989189	107.17329
20636.4	23806.1	21098.08	22485.44	22036.52	21551.06	24070.58	22100.9	19723.48	22075.38	21574.26
56.077173	56.146462	56.111914	56.2136	56.215612	55.976779	56.770235	56.379846	56.032613	56.458772	56.182968
21344	24592	21808	23200	22736	22272	24592	22736	20416	22736	22272
58	58	58	58	58	57.84935	58	58	58	58.148337	58
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
21.129403	32.370204	23.479081	19.785825	10.396439	13.685982	13.712468	33.360194	31.268481	24.578053	20.362312
21.129403	32.370204	23.479081	19.785825	10.396439	13.685982	13.712468	33.360194	31.268481	24.578053	20.362312
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
16732.1788	57807.5457	19324.5164	26229.2216	4770.16237	2836.20386	2560.47848	81302.6334	58554.0113	11781.9481	10023.7
2510.80474	9919.00356	2596.87946	3759.00664	314.37858	180.032295	163.577414	10725.3841	9094.41075	1066.94074	927.41104
16732.1788	57807.5457	19324.5164	26229.2216	4770.16237	2836.20386	2560.47848	81302.6334	58554.0113	11781.9481	10023.7
222.33	368.33	306.79	190.26	196.05	187.56	189.08	288.63	248.42	218.81	179.74
12252.2522	31322.2688	12440.2138	19469.544	4402.78723	2274.17459	1877.61189	58756.423	41434.6438	9383.04812	8662.6117
14398.2707	37715.2215	14402.4873	22722.9637	4712.29926	2427.14874	1997.43716	67486.0595	48778.2654	10265.8829	9531.7915
31.872406	41.669961	31.045403	29.6015	18.285452	20.195998	16.09156	46.153144	44.100562	35.29797	29.475651
356.983848	901.719757	357.313183	574.972414	134.795651	65.925581	44.380823	1575.57347	1130.61128	250.195856	221.78159
35.056365	35.02945	35.296834	33.870285	32.765617	35.603615	41.745254	39.625358	38.132317	39.429751	38.638852
12.962225	32.151953	20.365523	14.194861	0.982862	4.942086	9.156422	32.801026	27.312193	10.251735	3.477496
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
1.125326	3.240613	1.271063	1.65735	0.347704	0.200363	0.134056	4.836785	3.891931	0.738721	0.607187
2510.80474	9919.00356	2596.87946	3759.00664	314.37858	180.032295	163.577414	10725.3841	9094.41075	1066.94074	927.41104
2510.80474	9919.00356	2596.87946	3759.00664	314.37858	180.032295	163.577414	10725.3841	9094.41075	1066.94074	927.41104
57.136151	472.300242	120.606816	87.967585	1.504348	11.214418	12.459176	320.446531	239.348715	38.644143	11.378414
1969.12187	16566.2733	4287.42308	3000.67094	52.996558	381.996972	519.289177	11820.8263	8024.95672	1331.95922	433.677
4.25	11.83	5.08	6.98	2.06	1.11	0.88	20.67	13.12	3.84	3.47
-2510.8047	-9919.0036	-2596.8795	-3759.0066	-314.37858	-180.0323	-163.57741	-10725.384	-9094.4108	-1066.9407	-927.411
-16909.075	-47634.225	-16999.367	-26481.97	-5026.6778	-2607.181	-2161.0146	-78211.444	-57872.676	-11332.824	-10459.2
0.27	2.06	0.63	0.39		0.1	0.07	1.54	0.97	0.15	0.09
1496.3134	5949.9155	1960.195	2237.8589	423.6893	272.9302	245.8124	7809.6678	5375.6197	1039.6229	728.3295
0.11	0.43	0.16	0.19	0.08	0.07	0.04	0.81	0.41	0.19	0.17

41.1818	160.9834	59.9008	71.1322	29.9504	26.2066	14.9752	309.3147	156.5667	72.5553	64.9179
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
11223.3755	37917.0559	13255.3873	17665.6912	3452.65139	2079.18536	1976.08827	56464.909	39329.725	8539.69684	7333.966
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
41.1818	160.9834	59.9008	71.1322	29.9504	26.2066	14.9752	309.3147	156.5667	72.5553	64.9179
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
2956.8168	9810.5028	3412.3488	4733.3916	973.182	550.7796	405.8376	13803.0256	9973.3088	2102.7552	1697.4048

11.360276	11.190404	11.336745	11.289732	11.337329	11.346685	11.109756	10.855335	10.943361	11.160155	11.245465
0.449369	0.508166	0.458264	0.47432	0.460784	0.452209	0.54444	0.705645	0.643596	0.523826	0.487081
0.432266	0.491569	0.443975	0.457176	0.44828	0.435042	0.526781	0.683559	0.618075	0.503339	0.464109
444865.807	604139.406	491349.379	457794.054	397311.467	439852.537	610439.403	628948.862	499367.872	455757.603	359628.28
2569.26773	2737.87661	2366.17893	2721.69533	2331.1704	2259.26131	2622.91131	2695.81333	2238.16113	2333.83915	2076.131
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
0.039211	0.033608	0.031675	0.036475	0.027474	0.038723	0.033207	0.031785	0.039289	0.040051	0.045364
200385.438	258707.154	209878.224	228823.938	220884.402	210259.991	275111.343	321748.594	263372.053	243973.719	222123.1
178832.229	230993.926	187245.998	203948.233	197359.54	187746.3	246049.047	311859.472	254973.484	237187.453	216346.56
2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.399699	2.3997	2.3997	2.3997
287893.759	371684.568	301532.045	328751.352	317344.621	302080.529	395252.466	460003.964	376543.024	348809.226	317569.4
39246.27	45482.25	40413.99	42780.51	42316.53	40973.43	45501.12	42128.94	37536.87	41769.3	40587.15
106.647472	107.269457	107.484015	106.951275	107.950331	106.424493	107.313962	107.471785	106.638835	106.826854	105.6957
40848	47064	41736	44400	43512	42624	47064	43512	39072	43512	42624
111	111	111	111	111	110.711688	111	111	111	111.283887	111
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
28.167786	27.727942	28.040633	28.020879	28.020407	28.173022	27.501766	27.691557	27.915743	28.534271	28.811264
27.798178	27.402818	27.742427	27.635836	27.742593	27.765275	27.213329	27.450986	27.663592	28.177304	28.379759
497051.664	641303.064	519288.569	567943.272	546695.938	522376.879	681835.564	820203.14	671215.327	623873.282	569709.23
317195.648	499362.551	336624.649	387046.151	371708.549	341831.838	568248.741	904221.951	679925.946	503246.371	420156.36
-179856.02	-141940.51	-182663.92	-180897.12	-174987.39	-180545.04	-113586.82	84018.8111	8710.61852	-120626.91	-149552.9
317195.648	499362.551	336624.649	387046.151	371708.549	341831.838	568248.741	904221.951	679925.946	503246.371	420156.36
353.57	409.75	364.09	385.41	381.23	369.13	409.92	379.54	338.17	376.3	365.65
46050.5565	30234.3777	22814.4106	102714.678	144115.33	75378.5221	64827.7801	184554.858	165957.855	160900.919	201982.76
47865.679	35095.9173	25713.9189	103567.109	139090.738	77650.577	71299.5466	235828.114	205918.835	181299.91	205285.44

27.786624	23.873067	26.400229	33.110434	42.272863	43.582192	29.273888	36.789623	42.746541	48.956076	45.823183
1732.11471	1155.00973	869.672577	3850.62033	5346.75981	2830.44795	2470.11702	6908.98219	6210.80113	5933.35617	7335.3696
16.164616	16.767188	15.320935	17.453262	18.148771	16.699925	19.718	22.888488	21.551464	19.191051	19.884198
15.280727	16.698973	15.260639	15.506097	16.690225	16.242644	19.572569	22.728245	21.3316	18.562724	17.274205
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
47.981543	54.564264	49.281228	50.74662	49.759117	48.164244	58.472783	75.875153	68.606369	56.013595	51.51614
-284597.48	-277166.74	-292367.27	-300503.39	-290443.67	-290447.94	-257387.52	-84159.179	-128953.95	-248151.97	-265656.6
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15925.0933	21980.2383	17660.0694	16448.0277	14158.8142	15712.7861	22322.343	22834.0778	17938.6409	15967.9598	12446.828
444865.807	604139.406	491349.379	457794.054	397311.467	439852.537	610439.403	628948.862	499367.872	455757.603	359628.28
42.5	35.81	25.61	75.1	111.59	60.85	80.81	146.49	116.62	107.71	133.37
179856.015	141940.513	182663.921	180897.121	174987.389	180545.041	113586.823	-84018.811	-8710.6185	120626.91	149552.87
131990.336	106844.595	156950.002	77330.012	35896.6513	102894.464	42287.2763	-319846.92	-214629.45	-60672.999	-55732.57
284.74	340.15	321.05	266.31	253.74	295.38	317.35	191.93	189.56	251.81	201.29
										0.002604
60058.4523	87175.9545	73463.223	62857.9546	63617.8475	69753.6031	92418.0231	85684.1535	72838.613	71200.5586	61100.873
0.85	0.96	0.71	1.03	0.73	0.99	0.91	0.91	0.8	0.98	1.1
6135.3	6929.28	5124.78	7434.54	5269.14	7145.82	6568.38	6699.42	5889.6	7214.76	8098.2
601793.132	776529.293	628991.917	687549.545	662152.215	632279.777	825636.262	988381.13	808879.899	751398.344	685812.98
601793.132	776529.293	628991.917	687549.545	662152.215	632279.777	825636.262	988381.13	808879.899	751398.344	685812.98
466725.989	602678.494	488778.043	532699.584	514704.161	489826.829	641301.513	771863.436	631516.508	585996.679	533915.96
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
6135.3	6929.28	5124.78	7434.54	5269.14	7145.82	6568.38	6699.42	5889.6	7214.76	8098.2
601793.132	776529.293	628991.917	687549.545	662152.215	632279.777	825636.262	988381.13	808879.899	751398.344	685812.98
24190.375	31695.2898	25385.7465	27809.1478	26722.6364	25404.2306	33965.6702	41640.284	33809.2188	30661.8424	27695.077
8.92	0.01	0.01	21.61	4.86	0.3				1	14.4

0.02625	0.037122	0.022473	0.029325	0.024515	0.027864	0.018726	0.039005	0.029403	0.023903	0.034843

1075.02	1224.78	1102.65	1164.81	1147.17	1119.9	1248.18	1130.13	1024.95	1147.89	1111.86
2.92125	2.888632	2.932579	2.912025	2.926454	2.908831	2.94382	2.882984	2.911789	2.93578	2.895468
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

12.00423	11.78077	12.010657	11.998742	11.839823	11.918486	11.523317	11.307663	11.377445	11.581261	11.637739
0.517097	0.576777	0.516744	0.509935	0.563592	0.533924	0.658601	0.807793	0.756262	0.656575	0.632731
0.493903	0.551242	0.492504	0.389517	0.537331	0.504603	0.537131	0.775899	0.717352	0.627912	0.603045
181793.968	230245.447	185870.49	152551.802	201650.448	192402.01	219693.796	276365.733	230888.158	229670.981	217274.56
1033.66947	1038.44026	888.435234	924.248582	1179.84387	983.83817	936.040451	1192.4353	1042.72629	1175.16715	1254.4519
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
0.045516	0.045165	0.045106	0.0499	0.047066	0.053203	0.04316	0.039897	0.051562	0.044515	0.047447
93660.6182	118332.453	95534.6185	80087.4906	107011.598	99187.8384	112677.447	147080.892	122953.409	122192.118	115588.54
83607.829	105527.886	85314.4072	71456.6125	95801.0093	88629.1204	100751.802	142490.06	119042.261	118705.527	112360.22
1.868399	1.868399	1.868399	1.868399	1.8684	1.868399	1.8684	1.799299	1.7993	1.7993	1.7993
91637.5488	115776.472	93471.0708	78357.6008	104700.147	97045.3811	110243.614	121974.183	101965.262	101333.924	95857.576
15103.75	17408.55	15399.59	13129.19	16062.65	15593.52	14846.18	16183.48	14355.55	16105.65	15728.54
41.042798	41.0579	40.956356	32.822975	40.976147	40.502649	35.014575	41.284387	40.782812	41.19092	40.959739
15824	18232	16168	17200	16856	16512	18232	16856	15136	16856	16512
43	43	43	43	43	42.888311	43	43	43	43.109974	43
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
23.861436	23.352669	23.830691	24.546518	23.524734	23.838755	23.197862	21.585095	21.810196	22.188483	22.301641
23.311685	22.896649	23.322351	23.304567	22.998944	23.149818	22.412794	21.257667	21.384141	21.746265	21.843361
186306.699	234568.78	189727.988	163773.746	213024.618	198587.79	227029.668	280262.031	235185.01	233967.833	221648.78
139305.293	210023.081	142610.886	121183.684	171491.343	152453.523	219140.66	375460.223	287393.888	233136.511	206095.12
-47001.406	-24545.699	-47117.102	-42590.062	-41533.275	-46134.267	-7889.0079	95198.1922	52208.8785	-831.32195	-15553.66
139305.293	210023.081	142610.886	121183.684	171491.343	152453.523	219140.66	375460.223	287393.888	233136.511	206095.12
351.25	404.85	358.13	305.33	373.55	362.64	345.26	376.36	333.85	374.55	365.78
407.231447	3.633444	1.897588	3225.14462	6911.66946	687.979941	17.372417				4.533538
424.738219	3.715319	1.885876	3556.3056	7387.22827	749.015686	17.829003				4.161864
4.447014	0.065288	0.042448	10.285339	11.871577	5.057807	0.113566				0.122067
18.718597	0.162155	0.084896	148.198972	316.529078	31.555876	0.794633				0.194295
15.747671	15.948383	14.559234	17.229356	19.537697	17.116669	20.215553	24.796865	22.088093	18.193268	17.824693
14.598959	11.642115	11.647387	16.198509	19.341786	16.216531	16.171248	7.19109	8.614356	7.095374	16.377011
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
21.237853	23.703419	21.177712	16.74925	23.105255	21.641584	23.09665	33.363673	30.846136	27.069309	25.930937
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-95957.811	-86398.072	-97053.047	-84451.793	-97468.237	-97979.75	-66785.509	18319.0102	-12058.869	-64701.142	-75971.79

7796.8114	10050.0878	7962.7351	6551.50103	8740.73092	8300.45412	9792.18537	13078.56	10857.84	10584.1	9957.2857
181793.968	230245.447	185870.49	152551.802	201650.448	192402.01	219693.796	276365.733	230888.158	229670.981	217274.56
0.18			0.56	1.56	0.15					0.01
47001.4062	24545.6994	47117.102	42590.0621	41533.2753	46134.2672	7889.00786	-95198.192	-52208.879	831.32195	15553.656
46576.668	24541.9841	47115.2161	39033.7565	34146.047	45385.2515	7871.17885	-95198.192	-52208.879	831.32195	15549.494
21.43	21.04	18.77	17.71	15.28	23.79	17.59	3.24	3.15	4.63	6.45
		0.002659	0.1975		0.002604	0.148584				
59119.752	85280.5678	71665.4393	46732.5373	61260.4859	67365.359	76089.0704	84547.399	70976.9584	70260.5421	60933.433
1.15	1.21	1.08	2.24	1.25	1.54	2.05	1.07	1.18	1.18	1.2
4105.5	4319.7	3855.6	7996.8	4462.5	5497.8	7318.5	3896.298	4296.852	4296.852	4369.68
235263.105	296421.153	239663.933	205635.478	268959.58	250433.273	285926.17	357141.213	299452.757	297837.653	282066.91
235263.105	296421.153	239663.933	205635.478	268959.58	250433.273	285926.17	357141.213	299452.757	297837.653	282066.91
175245.378	221304.358	178785.478	149814.213	200501.156	185674.501	210995.416	264464.243	221007.523	220039.45	208217.79
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
4105.5	4319.7	3855.6	7996.8	4462.5	5497.8	7318.5	3896.298	4296.852	4296.852	4369.68
235263.105	296421.153	239663.933	205635.478	268959.58	250433.273	285926.17	357141.213	299452.757	297837.653	282066.91
6955.8217	8944.7225	7086.9098	5962.733	8060.9614	7415.4889	8715.7522	11901.4896	9880.6344	9631.531	9061.3068

0.051413	0.036391	0.030398	0.031	0.03176	0.035911	0.024174	0.031326	0.036619	0.030408	0.028489

1047.24	1225.71	1093.71	1162.8	1138.65	1110.63	1241.25	1139.16	1017.33	1140.24	1119.18
2.84576	2.890825	2.908803	2.907	2.904719	2.884753	2.927476	2.90602	2.890142	2.916214	2.914531
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

4.644095	11.418982	5.767336	5.065717	1.12	1.12	0.42	11.232565	10.14801	3.084406	1.540909
0.006266	0.020549	0.005794	0.009227	0.000655	0.000258	0.000056	0.023048	0.022865	0.001731	0.00104
0.006184	0.019952	0.005622	0.00883	0.000612	0.00025	0.000056	0.022438	0.022267	0.001719	0.001005
214.573538	2154.62668	222.651556	152.237657				560.852096	826.422686	79.573771	70.219739
0.954003	8.098311	0.940866	0.686518				2.306164	3.570699	0.345892	0.374166

113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
0.026182	0.031627	0.025757	0.030637	0.025816	0.032526	0.028466	0.025599	0.031448	0.032627	0.028476
1608.2	5992.2	1490.9	2495.8	168	67.2	16.8	6193.8	5546.3	473.3	270.5
4544.55875	17563.9962	4338.93385	7016.63511	428.356547	177.450459	60.231472	16887.2521	14709.5724	1251.42194	874.68669
0.954834	2.343185	1.18206	1.022782	0.194531	0.213866	0.107556	2.290983	2.019889	0.594148	0.35302
73.953049	720.577117	75.484481	51.998345				186.022465	346.003433	21.838599	21.599155
17941.5	20531.9	18369.3	19364.3	19106.9	18609.4	20623.5	19073.5	17061.8	18982.4	18580.2
48.754076	48.424292	48.854521	48.41075	48.742091	48.336103	48.64033	48.656887	48.471022	48.548337	48.385937
18400	21200	18800	20000	19600	19200	21200	19600	17600	19600	19200
50	50	50	50	50	49.870129	50	50	50	50.127877	50
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
18.576477	54.153894	25.15828	22.300215	2.723436	3.019657	1.505786	39.67966	40.967936	9.836775	5.670672
13.450949	33.263995	16.662977	14.431723	2.723436	3.019657	1.505786	32.931531	28.657089	8.34223	5.070756
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
5160.47369	20426.2739	4859.7035	7966.84305	447.988226	187.035919	62.466632	19323.7837	17194.8768	1374.34303	935.47232
606.730939	2754.21566	505.057652	918.375934	19.631678	5.50146	2.235159	2220.99362	2423.59038	118.235084	52.349627
5160.47369	20426.2739	4859.7035	7966.84305	447.988226	187.035919	62.466632	19323.7837	17194.8768	1374.34303	935.47232
353.89	604.68	487.67	297.22	177.86	122.67	117.53	340.57	319.55	214.77	152.63
4339.16921	15517.4315	4131.99429	6896.22946	428.356547	181.534459	60.231472	16541.938	13944.8637	1176.53417	812.90295
4919.54012	17988.0835	4609.21697	7789.26859	447.988226	187.035919	62.466632	18711.0548	16215.3639	1287.83868	861.72385
7.091429	17.111473	8.665533	7.891453	3.2	3.2	1.2	16.470011	15.298995	4.345529	2.1881
108.539067	371.766525	100.308251	172.885832	12	4.8	1.2	426.512681	367.185469	32.1401	17.757203
41.404682	42.489781	40.744625	40.503635				41.979235	36.454447	44.912426	47.723626
1.656187	18.683328	3.667016	2.835254				7.556262	7.655433	0.898248	0.954472
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
0.309239	0.997641	0.281117	0.4415	0.030612	0.012467	0.00283	1.121938	1.113352	0.086189	0.05026
606.730939	2754.21566	505.057652	918.375934	19.631678	5.50146	2.235159	2220.99362	2423.59038	118.235084	52.349627
606.730939	2754.21566	505.057652	918.375934	19.631678	5.50146	2.235159	2220.99362	2423.59038	118.235084	52.349627
5.260932	51.233474	5.391748	3.714167				13.287318	24.71453	1.559899	1.542796
214.573538	2154.62668	222.651556	152.237657				560.852096	826.422686	79.573771	70.219739
1.39	5.3	1.5	2.45	0.24	0.11	0.03	6.02	5.5	0.49	0.33
-606.73094	-2754.2157	-505.05765	-918.37593	-19.631678	-5.50146	-2.235159	-2220.9936	-2423.5904	-118.23508	-52.34963
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0.03	0.37	0.01					0.09	0.1		0.02
678.7755	3106.0022	693.3049	978.4227	55.1522	24.0529	7.7027	2844.6797	2567.4383	183.4803	90.2532

0.01	0.16	0.02	0.04		0.01		0.45	0.08	0.01	0.02
4.084	84.194	11.938	23.876		4.084		202.85	41.018	4.166	8.332
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
4544.55875	17563.9962	4338.93385	7016.63511	428.356547	177.450459	60.231472	16887.2521	14709.5724	1251.42194	874.68669
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
4.084	84.194	11.938	23.876		4.084		202.85	41.018	4.166	8.332
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
5.1	23.868	3.774	7.956				12.688	20.696	0.52	0.104

0.03538	0.033608	0.029707	0.0202	0.02528	0.023359	0.032334	0.029821	0.031562	0.025025	0.01927

1419.92	1639	1459.32	1567.68	1528.36	1500.12	1641.16	1521.24	1363.56	1528.76	1506.4
3.858478	3.865566	3.88117	3.9192	3.898877	3.896415	3.87066	3.880714	3.87375	3.909872	3.922916
1472	1696	1504	1600	1568	1536	1696	1568	1408	1568	1536
4	4	4	4	4	3.98961	4	4	4	4.01023	4

10.521997	10.396507	10.553706	10.543499	10.395114	10.48236	10.251198	10.219755	10.277113	10.431846	10.503217
0.389476	0.45562	0.384208	0.421413	0.463737	0.418393	0.566222	0.657629	0.607756	0.463853	0.421473
0.202859	0.430293	0.360354	0.398892	0.439255	0.396628	0.53625	0.618799	0.578329	0.440626	0.397123
92991.2216	225239.405	169613.449	198175.069	212474.919	189655.445	276971.68	327786.122	276484.094	237989.966	195567.97
487.268464	998.328145	797.343738	1154.15794	1240.96316	965.030902	1186.86307	1412.78752	1245.1984	1206.76849	1121.8692
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
0.052364	0.057075	0.064893	0.05475	0.056198	0.055781	0.05599	0.061071	0.049801	0.050153	0.058177
45834.7654	111073.848	83623.8202	97820.6781	104596.573	93358.375	136399.139	144198.482	121660.584	105072.058	93415.092
41073.3471	99380.0677	74907.2518	87412.9803	93994.1448	83897.1984	122328.14	139348.822	117620.486	102407.394	91148.622
1.9798	1.9798	1.9798	1.9798	1.9798	1.9798	1.9798	2.2315	2.2315	2.2315	2.2315
49950.7273	121048.28	91133.2392	106604.975	113989.345	101741.957	148647.782	181906.385	153474.827	132548.401	117843.14
11157.44	23428.28	20603.76	22156.66	21680.242	21247.188	23455.236	21568.316	19599.942	21819.124	21138.192

30.31913	55.255377	54.797234	55.391649	55.306739	55.187501	55.318952	55.021214	55.681653	55.803386	55.047374
21564.8	24846.4	22033.6	23440	22971.2	22502.4	24846.4	22971.2	20627.2	22971.2	22502.4
58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.749872	58.599999
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
28.579968	23.648992	24.856162	23.940441	23.993573	24.410233	22.921457	25.342194	25.455471	26.35036	26.688859
21.276912	21.029649	21.337856	21.322596	21.022154	21.19633	20.740573	23.266658	23.396036	23.735854	23.89215
119713.65	250988.723	194553.04	218630.594	238111.466	214595.043	303044.889	352571.557	297396.018	263233.146	234906.75
92025.627	250414.813	162417.258	198164.158	211764.479	182707.786	314547.755	436873.896	344620.505	249804.276	206490.36
-27688.023	-573.91072	-32135.782	-20466.436	-26346.987	-31887.257	11502.8664	84302.3393	47224.4868	-13428.87	-28416.39
92025.627	250414.813	162417.258	198164.158	211764.479	182707.786	314547.755	436873.896	344620.505	249804.276	206490.36
190.4	399.8	351.6	378.1	369.97	362.58	400.26	368.06	334.47	372.34	360.62
1.4373			50.404008	49.173979	0.006378		7.790218	98.702326	1621.82524	17534.455
1.337925			53.984187	57.743661	0.006225		10.181442	122.765968	1922.66328	20900.35
0.067347			1.053589	0.693134	0.000289		0.126554	1.27829	6.551016	15.997108
0.067347			2.366792	2.411987	0.000289		0.34102	4.301947	70.407677	759.10107
16.388998	16.269963	15.621863	17.720012	19.650477	16.749016	18.321906	25.983665	23.4584	20.516463	20.795323
3.764417	4.23019	4.061684	8.135067	7.857298	6.191489	8.611295	21.306605	19.703968	19.850943	20.371379
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
11.887586	25.215183	21.116771	23.3751	25.740382	23.182083	31.424306	36.261673	33.89009	25.886777	23.271411
-51645.855	-58632.211	-75845.953	-71597.305	-81019.616	-80685.68	-59792.964	8929.79271	-16367.501	-68350.035	-77244.46
-51645.855	-58632.211	-75845.953	-71597.305	-81019.616	-80685.68	-59792.964	8929.79271	-16367.501	-68350.035	-77244.46
4374.56465	10691.238	7939.906	9347.67321	10087.818	8925.10171	13323.906	14214.235	11925.0101	10051.3223	8177.1209
92991.2216	225239.405	169613.449	198175.069	212474.919	189655.445	276971.68	327786.122	276484.094	237989.966	195567.97
								0.05	0.78	3.59
27688.0229	573.910717	32135.7821	20466.4361	26346.9871	31887.2573	-11502.866	-84302.339	-47224.487	13428.8703	28416.387
27686.685	573.910717	32135.7821	20412.4519	26289.2434	31887.2511	-11502.866	-84312.521	-47347.253	11506.207	7516.0368
1.15	2.28	1.99	6.09	2.35	2.02	6.19	16.97	18.87	20.68	20.52
0.453804										0.002604
30501.1094	78383.8452	65424.4102	57991.2159	56850.9495	63651.3193	83156.8032	76756.5237	67257.0652	65509.6206	56456.216
1.65	1.59	1.54	1.26	1.58	1.54	1.61	1.5	1.26	1.43	1.32
26720.991	25749.3186	24939.5916	20405.1204	25587.3732	24939.5916	26073.2094	24777.645	20813.2218	23621.3549	21804.328
143671.482	309047.024	238263.211	269761.462	292784.095	263393.466	374340.719	427944.104	360988.006	318154.311	283734.82
143671.482	309047.024	238263.211	269761.462	292784.095	263393.466	374340.719	427944.104	360988.006	318154.311	283734.82
91024.0745	220428.348	166040.491	194017.955	207983.49	185639.155	270975.922	321255.207	271095.313	234955.795	208991.76
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222

26720.991	25749.3186	24939.5916	20405.1204	25587.3732	24939.5916	26073.2094	24777.645	20813.2218	23621.3549	21804.328
143671.482	309047.024	238263.211	269761.462	292784.095	263393.466	374340.719	427944.104	360988.006	318154.311	283734.82
1968.5844	4811.0571	3572.9577	4207.518	4540.6035	4016.2959	5995.7577	6538.70496	5487.48352	4655.9958	4110.6621
3.9	11.1	4.35	4.5	0.45	0.15		8.1	7.8	1.65	0.6
0.005037	0.016675	0.003783	0.006793	0.000153	0.000026		0.01529	0.017124	0.000997	0.000354
0.004918	0.01625	0.003723	0.0064	0.000153	0.000026		0.014897	0.016448	0.000943	0.000312
20.776374	272.542492	14.430454					52.228419	52.898811	0.028443	
0.092543	1.008856	0.060988					0.210114	0.222946	0.000116	
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
0.026793	0.028325	0.03601	0.033775	0.039183	0.026692	0.022783	0.024821	0.033295	0.024336	0.031276
380.1	1446.9	294	537.6	12.6	2.1		1226.4	1215.9	77.7	25.2
1069.97702	4249.5997	860.636449	1507.41747	32.26095	5.172174		3198.85289	3059.68573	201.941606	79.790333
0.745279	2.142874	0.832023	0.838689	0.075829	0.024629		1.488289	1.390576	0.301967	0.121596
7.186502	89.023725	5.141053					15.590864	18.401006	0.006823	
5013.96	5767.86	5074.44	5410.86	5272.96	5232.5	5800.76	5351.78	4763.92	5354.44	5207.86
13.624891	13.603443	13.495851	13.52715	13.451428	13.590909	13.681037	13.6525	13.533863	13.694219	13.562135
5152	5936	5264	5600	5488	5376	5936	5488	4928	5488	5376
14	14	14	14	14	13.963636	14	14	14	14.035805	14
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
11.179188	33.074473	12.587488	12.905335	1.137441	0.369441		24.936821	22.380145	4.904519	1.823947
11.179188	33.074473	12.587488	12.905335	1.137441	0.369441		24.936821	22.380145	4.904519	1.823947
1069.97702	4323.0997	871.136449	1528.41747	32.26095	5.172174		3429.85289	3143.68573	212.441606	79.790333
1195.35491	4872.23814	954.872204	1681.72837	33.23268	5.256304		3642.66047	3595.19437	218.550797	81.913571
125.377891	549.138443	83.735754	153.310902	0.97173	0.08413		212.807579	451.508645	6.109191	2.123237
1195.35491	4872.23814	954.872204	1681.72837	33.23268	5.256304		3642.66047	3595.19437	218.550797	81.913571
198.16	337.38	263.57	159.72	95.87	75.92	49.34	182.84	184.97	136.85	98.19
1049.20064	4050.5572	856.705995	1528.41747	32.26095	5.172174		3377.62447	3090.78692	212.413163	79.790333
1172.434	4570.43826	938.445973	1681.72837	33.23268	5.256304		3587.89049	3549.77222	218.521186	81.913571
3.625778	10.309513	4.021918	4.2	0.42	0.14		7.395018	7.245359	1.539772	0.56
24.860899	90.525084	19.257263	35.84	0.84	0.14		80.720609	79.833266	5.179545	1.68
44.066753	47.776186	42.103592					46.46827	39.526083	62.523519	
0.440667	10.032999	0.421035					2.788096	2.371564	0.625235	
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68

0.068858	0.2275	0.052127	0.0896	0.002142	0.000363		0.208571	0.230284	0.013248	0.004375
125.377891	549.138443	83.735754	153.310902	0.97173	0.08413		212.807579	451.508645	6.109191	2.123237
125.377891	549.138443	83.735754	153.310902	0.97173	0.08413		212.807579	451.508645	6.109191	2.123237
0.4791	5.934915	0.342736					1.03939	1.226733	0.000454	
20.776374	272.542492	14.430454					52.228419	52.898811	0.028443	
1.3	4.29	1.04	1.88	0.06	0.01		4.73	3.78	0.32	0.12
-125.37789	-549.13844	-83.735754	-153.3109	-0.97173	-0.08413		-212.80758	-451.50865	-6.109191	-2.123237
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0.01	0.28						0.03	0.07		
386.1172	1733.8198	333.5299	503.7417	11.0092	2.1035		1402.3878	1322.7501	77.5945	22.0339
	0.07	0.01	0.02				0.22	0.08	0.01	
	73.5	10.5	21				231	84	10.5	
1069.97702	4323.0997	871.136449	1528.41747	32.26095	5.172174		3429.85289	3143.68573	212.441606	79.790333
1069.97702	4323.0997	871.136449	1528.41747	32.26095	5.172174		3429.85289	3143.68573	212.441606	79.790333
1069.97702	4249.5997	860.636449	1507.41747	32.26095	5.172174		3198.85289	3059.68573	201.941606	79.790333
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
	73.5	10.5	21				231	84	10.5	
1069.97702	4323.0997	871.136449	1528.41747	32.26095	5.172174		3429.85289	3143.68573	212.441606	79.790333

11.393647	11.118096	11.299851	11.214822	11.205078	11.260917	10.95444	10.793161	10.873402	11.084578	11.16681
0.251644	0.30564	0.263771	0.269986	0.279436	0.265059	0.324492	0.428191	0.393122	0.309903	0.288515
0.225035	0.294057	0.253827	0.253498	0.269641	0.254545	0.308173	0.413151	0.377494	0.298359	0.276165
721855.468	1078617.7	851357.823	811673.834	811489.831	822291.99	1107624.17	1245534.62	1015644.4	924830.111	772974.7
4100.19496	4847.18057	4070.44365	4814.98857	4752.25358	4209.98583	4747.8851	5352.40783	4564.76882	4722.31901	4455.1835
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
0.035051	0.03632	0.034158	0.034502	0.033186	0.03526	0.030291	0.032544	0.036598	0.032439	0.035272
345769.718	508494.449	395323.092	416009.739	433956.982	403602.086	524740.105	638306.78	527651.9	474509.479	433618.56
320351.317	495632.532	365922.614	389007.569	391067.963	362534.427	471165.308	670249.367	548735.214	468293.435	428143.84
2.16456	2.166291	2.150683	2.167434	2.131692	2.13518	2.139606	2.24654	2.239046	2.211461	2.207924
429482.036	608509.32	486136.355	513713.927	536034.113	500867.867	654143.863	763884.533	631983.114	582691.55	531270.11
619.304961	5258.19683	1216.62114	880.565029	14.169459	105.628611	117.352981	3219.89921	2618.82999	385.834612	128.77244
120730.025	149739.43	132809.115	137934.025	138835.032	135327.998	147732.391	138831.146	124096.277	138530.334	134892.59
328.07072	353.159033	353.215731	344.835062	354.171	351.501293	348.42545	354.161086	352.546241	354.297529	351.28279
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4

367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.1
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
131.49426	194.328176	137.952338	131.499215	89.796033	93.497091	88.839341	172.595524	169.797974	116.392462	105.6587
25.838239	25.287961	25.416687	25.448534	24.918026	25.081784	24.456093	25.4912	25.554395	25.604901	25.74209
822917.107	1196744.27	925523.017	981394.712	1002748.42	938402.591	1214367.25	1544146.62	1271170.93	1133257.82	1036324
571614.576	1042906.5	666791.885	742271.786	760215.754	680021.643	1104560.1	1820825.15	1391284.42	999562	843782.93
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571614.576	1042906.5	666791.885	742271.786	760215.754	680021.643	1104560.1	1820825.15	1391284.42	999562	843782.93
1669.6	2524.79	2131.85	1716.04	1594.53	1480.5	1511.39	1936	1759.43	1693.62	1522.61
64099.8473	81128.2687	40245.2223	133884.418	155939.579	78527.3896	66782.9958	263238.634	224526.852	173294.739	229077.05
68781.9999	95373.3759	45665.955	139371.359	151729.23	81019.0398	73377.2794	325623.3	274585.003	194994.816	236665.38
11.711718	15.734396	11.263009	13.433395	12.790504	12.029381	9.335803	17.629194	17.995534	14.433699	13.764887
2241.28447	2519.18326	1346.63617	4784.88434	5813.33653	2932.86969	2516.49247	8992.12997	7792.7331	6291.27935	8335.8838
18.65935	25.681451	19.581493	19.505582	19.003121	17.598068	21.220903	28.74784	25.973861	21.055115	20.03941
18.260156	25.626466	19.516049	18.672321	18.295537	17.35973	21.1463	28.666221	25.848667	20.781219	19.067068
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
82.610407	107.948622	93.180021	93.05942	98.985214	93.201106	113.130627	151.667795	138.578164	109.807841	101.38031
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28159.3455	43251.0327	33689.0518	32438.8837	32988.8675	32949.5563	45450.8935	50461.646	40986.7809	36643.5866	30594.156
721855.468	1078617.7	851357.823	811673.834	811489.831	822291.99	1107624.17	1245534.62	1015644.4	924830.111	772974.7
49.62	57.23	33.23	86.97	115.51	62.23	81.72	177.91	139.07	113.14	140.89
251302.531	153837.765	258731.132	239122.926	242532.669	258380.948	109807.152	-276678.53	-120113.49	133695.817	192541.03
182520.531	58464.3892	213065.177	99751.5663	90803.4395	177361.908	36429.8724	-602301.83	-394698.5	-61298.998	-44124.35
307.63	366.18	342.45	290.5	271.37	321.29	341.2	213.8	212.72	277.27	228.37
0.041254		0.000241	0.017954		0.000236	0.013507				0.000473
152240.52	261630.105	213540.102	171301.731	182219.134	201069.368	251917.412	259044.812	220338.445	208271.419	179331.14
3.77	4.42	3.52	4.78	3.64	4.15	4.61	4.96	3.81	3.8	3.81
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
1000572.81	1451881.17	1128872.48	1193993.58	1228812.29	1148949.39	1488360.28	1864576.34	1536695.23	1379573.87	1261673.9
1000572.81	1451881.17	1128872.48	1193993.58	1228812.29	1148949.39	1488360.28	1864576.34	1536695.23	1379573.87	1261673.9
749833.352	1104141.85	852058.969	902721.497	927102.076	863402.294	1125309.17	1434133.9	1180718.33	1050984.99	959413.95
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
1000572.81	1451881.17	1128872.48	1193993.58	1228812.29	1148949.39	1488360.28	1864576.34	1536695.23	1379573.87	1261673.9

36076.6979	55285.4402	39461.7368	42720.7464	40297.3833	37386.795	49083.0177	73896.1922	59171.3415	47052.6444	42564.555
8.92	0.01	0.01	21.61	4.86	0.3				1	14.4
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
1222.82486	2013.18645	1782.04398	1101.4052	941.582443	1391.40952	1967.57369	1165.90436	1127.22989	1117.4151	731.88605
-64520.226	-92728.964	-77944.374	-67245.785	-66946.697	-74871.976	-98199.756	-90937.155	-78164.858	-76474.277	-66479.91
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
307.59	365.8	342.15	288.79	269.48	320.36	340.85	212.55	211.97	276.29	225.31
139.950312	176.239542	167.133772	130.824196	110.229222	135.609489	168.268764	155.347273	148.869783	127.864392	108.35265
49.726081	80.648907	78.116561	46.455575	41.884512	59.843789	78.939543	67.854367	68.69117	50.912852	36.832757
15483.4682	29709.9507	26870.4808	13742.5267	11470.9743	19321.2943	27298.2419	15330.6928	15078.7356	14301.33	8501.4981
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-175.3267	-218.70039	-207.29887	-168.11446	-170.78239	-194.47266	-231.6032	-231.98254	-222.05925	-195.58639	-173.1248
-1058174.8	-1747117.2	-1270635.9	-1137889.7	-1166074.1	-1251882.3	-2007080.9	-2444394.8	-1914021.2	-1535577.3	-1251574
-16.394664	-18.843545	-16.302176	-16.914944	-17.419629	-16.726111	-20.447584	-26.903421	-24.493433	-20.074762	-18.82397
-1058174.8	-1747117.2	-1270635.9	-1137889.7	-1166074.1	-1251882.3	-2007080.9	-2444394.8	-1914021.2	-1535577.3	-1251574
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1280027.25	2190683.07	1644773.37	1330773.79	1330056.31	1525411.48	2463151.32	2716416.98	2166095.4	1755962.95	1380200.4
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
1222.82486	2013.18645	1782.04398	1101.4052	941.582443	1391.40952	1967.57369	1165.90436	1127.22989	1117.4151	731.88605
-64520.226	-92728.964	-77944.374	-67245.785	-66946.697	-74871.976	-98199.756	-90937.155	-78164.858	-76474.277	-66479.91
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
307.59	365.8	342.15	288.79	269.48	320.36	340.85	212.55	211.97	276.29	225.31
139.950312	176.239542	167.133772	130.824196	110.229222	135.609489	168.268764	155.347273	148.869783	127.864392	108.35265
49.726081	80.648907	78.116561	46.455575	41.884512	59.843789	78.939543	67.854367	68.69117	50.912852	36.832757

15483.4682	29709.9507	26870.4808	13742.5267	11470.9743	19321.2943	27298.2419	15330.6928	15078.7356	14301.33	8501.4981
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1280027.25	2190683.07	1644773.37	1330773.79	1330056.31	1525411.48	2463151.32	2716416.98	2166095.4	1755962.95	1380200.4
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9

170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	223929.743	228019.886	210611.547	231903.41	248689.57
993.535887	718.162591	658.718474	1098.89061	1166.41472	1031.17704	973.291931	988.003003	953.22177	1198.06271	1444.4331
6328.97222	5743.43986	5014.01642	6730.73993	7349.50477	7435.8018	8347.15622	8573.79308	7463.20151	8217.69701	8812.529
99297.2408	102233.609	78127.761	108611.046	126631.102	122548.787	167941.147	227779.66	181274.126	161989.878	163806.57
6328.97222	5743.43986	5014.01642	6730.73993	7349.50477	7435.8018	8347.15622	8573.79308	7463.20151	8217.69701	8812.529
17.198294	13.545848	13.33515	16.826849	18.748736	19.31377	19.686689	21.871921	21.202277	21.017127	22.949294
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170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	223929.743	228019.886	210611.547	231903.41	248689.57
70888.8221	52207.4888	56699.1404	72378.5502	70997.0809	77399.9234	56540.6093	13533.5061	29337.4202	69913.532	84883.002
70888.8221	52207.4888	56699.1404	72378.5502	70997.0809	77399.9234	56540.6093	13533.5061	29337.4202	69913.532	84883.002
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
6328.97222	5743.43986	5014.01642	6730.73993	7349.50477	7435.8018	8347.15622	8573.79308	7463.20151	8217.69701	8812.529

170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
6328.97222	5743.43986	5014.01642	6730.73993	7349.50477	7435.8018	8347.15622	8573.79308	7463.20151	8217.69701	8812.529
99297.2408	102233.609	78127.761	108611.046	126631.102	122548.787	167941.147	227779.66	181274.126	161989.878	163806.57
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170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233228.065	235762.566	217667.062	239723.644	256887.22
1036.67548	746.935313	685.208915	1145.09247	1215.59594	1073.93569	1013.78092	1021.55682	985.137583	1238.51828	1491.9153
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19.362674	15.203366	14.968294	18.918698	21.081309	21.704472	22.125801	24.577875	23.820197	23.617255	25.769534
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7125.46439	6446.22756	5628.07857	7567.47925	8263.87318	8356.22209	9358.70338	9094.35325	8384.70963	9234.34683	9895.5014
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1.83	0.58	0.31	0.92	0.26	0.18	1.08	0.29	0.21	0.59	0.34
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
7125.46439	6446.22756	5628.07857	7567.47925	8263.87318	8356.22209	9381.33992	9634.52706	8384.70963	9234.34683	9895.5014
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
7125.46439	6446.22756	5628.07857	7567.47925	8263.87318	8356.22209	9381.33992	9634.52706	8384.70963	9234.34683	9895.5014
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177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
1133.09963	1019.90462	922.950614	972.833192	767.588682	754.798172	834.052902	797.437592	799.166124	1026.25253	1239.6025

3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
59719.5661	75027.6093	57189.445	48601.201	42527.015	46421.5702	75409.7429	95142.132	82470.2016	75432.719	75211.165

3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
10.360685	10.116427	9.832714	7.780049	6.444562	7.418727	8.847551	9.182693	9.781736	9.915382	10.80799
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3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
135606.713	144716.565	132213.03	110827.578	86893.7222	99902.0701	116772.514	89266.1806	93923.4583	123181.618	137407.08
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64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	69701.7769	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
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195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25

228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	253825.671	282282.159	182031.328	272270.045	293372.24
1336.58376	972.792415	943.305124	1415.67921	1632.35055	1291.96472	1112.73566	1233.4081	829.658857	1417.40303	1711.8474
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4025.9407	4635.22794	2808.25869	4200.40181	4525.9525
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173855.513	153552.494	148092.439	175302.56	201624.219	185805.385	175427.969	179275.868	114230.296	191662.179	211069.18

173855.513	153552.494	148092.439	175302.56	201624.219	185805.385	175427.969	179275.868	114230.296	191662.179	211069.18
64448.1706	91357.1584	77944.3736	66999.041	66946.6968	74821.0261	98199.7556	90374.6479	76859.9734	76361.4492	66479.906
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4025.9407	4635.22794	2808.25869	4200.40181	4525.9525
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4025.9407	4635.22794	2808.25869	4200.40181	4525.9525
54456.2571	54440.5485	44514.1589	55784.954	73293.2511	64175.4566	79192.1876	120741.131	67801.0325	80607.8663	82303.054
-173855.51	-153552.49	-148092.44	-175302.56	-201624.22	-185805.38	-175427.97	-179275.87	-114230.3	-191662.18	-211069.2
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	903165.735	930472.924	786703.597	942511.435	1011567.3
4499.89476	3457.79494	3210.18313	4632.49547	4781.9499	4151.87563	3933.86141	4040.40552	3567.18434	4880.23655	5887.7983
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
325211.417	346527.135	267562.112	335057.439	384806.518	370861.121	511270.849	699618.64	535202.211	500043.604	505297.62
14.586583	19.09322	12.997324	14.546163	14.603217	15.562124	19.57467	25.925253	24.504346	20.212389	18.700111
2.333853	0.954661	0.779839	1.454616	0.73016	0.622484	1.565973	1.03701	0.73513	1.212743	2.431014
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
56.732097	46.622594	46.236279	52.660935	57.364426	58.704221	60.155185	67.45705	62.782218	65.292481	71.313154
-446179.27	-396291.17	-389525.58	-425030.03	-423095.59	-433629.13	-393819.85	-275670.38	-251501.39	-442467.83	-506269.6
-446179.27	-396291.17	-389525.58	-425030.03	-423095.59	-433629.13	-393819.85	-275670.38	-251501.39	-442467.83	-506269.6
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25450.6201	25144.8163	22099.341	25529.3603	27384.251
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	903165.735	930472.924	786703.597	942511.435	1011567.3
446179.268	396291.171	389525.58	425030.035	423095.591	433629.125	393819.853	275670.38	251501.386	442467.831	506269.65
446179.268	396291.171	389525.58	425030.035	423095.591	433629.125	393819.853	275670.38	251501.386	442467.831	506269.65
1.83	0.58	0.31	0.92	0.26	0.18	1.08	0.29	0.21	0.59	0.34
258008.848	369544.049	311777.494	268736.395	267786.787	294266.755	392799.022	363186.113	311354.546	305784.28	265919.62
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
325211.417	346527.135	267562.112	335057.439	384806.518	370861.121	511270.849	699618.64	535202.211	500043.604	505297.62

-446179.27	-396291.17	-389525.58	-425030.03	-423095.59	-433629.13	-393819.85	-275670.38	-251501.39	-442467.83	-506269.6
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
11.393647	11.118096	11.299851	11.214822	11.205078	11.260917	10.95444	10.793161	10.873402	11.084578	11.16681
0.251644	0.30564	0.263771	0.269986	0.279436	0.265059	0.324492	0.428191	0.393122	0.309903	0.288515
0.225035	0.294057	0.253827	0.253498	0.269641	0.254545	0.308173	0.413151	0.377494	0.298359	0.276165
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1715098.62	2265001.83	1882583.01	1764645.43	1783374.14	1900311.45	2466860.35	2448029.71	2054422.18	2087727.24	1913168.5
9822.91457	10318.162	9062.67076	10548.8892	10475.7859	9753.27098	10649.3202	10558.7177	9259.18304	10719.9707	11074.868
-13242.184	-27190.767	-25523.845	-8957.6424	-5657.6377	-16388.425	-24726.571	-5040.2153	-7286.0025	-8010.0506	-165.6144
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
0.035051	0.03632	0.034158	0.034502	0.033186	0.03526	0.030291	0.032544	0.036598	0.032439	0.035272
345769.718	508494.449	395323.092	416009.739	433956.982	403602.086	524740.105	638306.78	527651.9	474509.479	433618.56
320351.317	495632.532	365922.614	389007.569	391067.963	362534.427	471165.308	670249.367	548735.214	468293.435	428143.84
2.16456	2.166291	2.150683	2.167434	2.131692	2.13518	2.139606	2.24654	2.239046	2.211461	2.207924
429482.036	608509.32	486136.355	513713.927	536034.113	500867.867	654143.863	763884.533	631983.114	582691.55	531270.11
619.304961	5258.19683	1216.62114	880.565029	14.169459	105.628611	117.352981	3219.89921	2618.82999	385.834612	128.77244
120730.025	149739.43	132809.115	137934.025	138835.032	135327.998	147732.391	138831.146	124096.277	138530.334	134892.59
328.07072	353.159033	353.215731	344.835062	354.171	351.501293	348.42545	354.161086	352.546241	354.297529	351.28279
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.1
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
131.49426	194.328176	137.952338	131.499215	89.796033	93.497091	88.839341	172.595524	169.797974	116.392462	105.6587
25.838239	25.287961	25.416687	25.448534	24.918026	25.081784	24.456093	25.4912	25.554395	25.604901	25.74209
822917.107	1196744.27	925523.017	981394.712	1002748.42	938402.591	1214367.25	1544146.62	1271170.93	1133257.82	1036324
571614.576	1042906.5	666791.885	742271.786	760215.754	680021.643	1104560.1	1820825.15	1391284.42	999562	843782.93
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
-251302.53	-153837.77	-258731.13	-239122.93	-242532.67	-258380.95	-109807.15	276678.528	120113.494	-133695.82	-192541
896825.993	1389433.64	934353.997	1077329.22	1145022.27	1050882.76	1615830.95	2520443.79	1926486.63	1499605.6	1349080.6
1669.6	2524.79	2131.85	1716.04	1594.53	1480.5	1511.39	1936	1759.43	1693.62	1522.61
64099.8473	81128.2687	40245.2223	133884.418	155939.579	78527.3896	66782.9958	263238.634	224526.852	173294.739	229077.05
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56

307.59	365.8	342.15	288.79	269.48	320.36	340.85	212.55	211.97	276.29	225.31
139.950312	176.239542	167.133772	130.824196	110.229222	135.609489	168.268764	155.347273	148.869783	127.864392	108.35265
4.14384	6.720742	6.509713	3.871297	3.807682	5.440344	7.893954	5.65453	5.724264	4.242737	3.069396
15,483.47	29,709.95	26,870.48	13,742.53	11,470.97	19,321.29	27,298.24	15,330.69	15,078.74	14,301.33	8,501.50
68781.9999	95373.3759	45665.955	139371.359	151729.23	81019.0398	73377.2794	325623.3	274585.003	194994.816	236665.38
6.831835	9.178398	6.570088	7.836147	6.976638	6.56148	4.667901	10.283696	10.497395	8.419657	8.029517
2,241.28	2,519.18	1,346.64	4,784.88	5,813.34	2,932.87	2,516.49	8,992.13	7,792.73	6,291.28	8,335.88
18.521782	25.623799	19.480056	19.355179	18.945248	17.595911	21.187727	28.747033	25.983465	21.051891	19.947292
18.140596	25.569291	19.414945	18.538844	18.247353	17.359415	21.114332	28.665825	25.85858	20.781376	19.026196
-13242.184	-27190.767	-25523.845	-8957.6424	-5657.6377	-16388.425	-24726.571	-5040.2153	-7286.0025	-8010.0506	-165.6144
-35.984195	-64.129168	-67.882565	-22.394105	-14.432749	-42.567336	-58.317384	-12.857692	-20.69887	-20.486062	-0.431287
-4821537.8	-5880121.2	-5073255.1	-5154017.1	-5134354.3	-5168239.7	-6112596	-5901936.2	-5128836.9	-5496176.8	-5249811
-74.786659	-63.466129	-65.120205	-76.693852	-76.709254	-69.042617	-62.271274	-64.933119	-65.643277	-71.888689	-78.98878
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49036.7576	63019.0128	51073.8928	53503.258	55475.7225	55550.6815	70901.5137	75606.4623	63086.1219	62172.9469	57978.407
1493246.15	1821436.01	1508445.51	1571761.31	1619391.94	1626782.24	2010789.9	2176007.55	1802348	1867341.55	1784542
4643882.12	5624984.29	4869905.63	4941418.2	4908290.44	4957692.89	5838602.95	5581506.5	4863312.62	5249860.73	5024461.1
4796952.58	5973176.74	5198377.17	4994930.96	4920543.41	5150203.06	6221296.12	5527905.36	4840801.8	5275251.61	4916422.3
0.041254		0.000241	0.017954		0.000236	0.013507				0.000473
474769.594	723903.117	603261.97	507283.911	516952.618	570208.098	742916.19	713168.08	609857.848	590529.976	511730.67
3.77	4.42	3.52	4.78	3.64	4.15	4.61	4.96	3.81	3.8	3.81
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
5718363.82	7269554.83	6007609.09	6231346.3	6279376.58	6219122.46	7728426.93	8422380.01	7055323.56	6995782.38	6598891.6
2830138.29	3941816.72	3056596.05	3091970.73	3202788.52	3205321.91	4400531.86	5284260.18	4237420.05	3857662.56	3524815
749833.352	1104141.85	852058.969	902721.497	927102.076	863402.294	1125309.17	1434133.9	1180718.33	1050984.99	959413.95
51278.042	65538.1961	52420.5289	58288.1423	61289.0591	58483.5512	73473.1845	85896.9398	70878.855	68464.2263	66314.291
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
2830138.29	3941816.72	3056596.05	3091970.73	3202788.52	3205321.91	4400531.86	5284260.18	4237420.05	3857662.56	3524815
36076.6979	55285.4402	39461.7368	42720.7464	40297.3833	37386.795	49083.0177	73896.1922	59171.3415	47052.6444	42564.555
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
325211.417	346527.135	267562.112	335057.439	384806.518	370861.121	511270.849	699618.64	535202.211	500043.604	505297.62
-446179.27	-396291.17	-389525.58	-425030.03	-423095.59	-433629.13	-393819.85	-275670.38	-251501.39	-442467.83	-506269.6
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3

2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
-3138119.8	-3074076.6	-3266206.3	-3010033.3	-3330249.6	-3010033.3	-3074076.6	-3394453	-3200882.2	-2874261.6	-3331530.5
-3138119.8	-3074076.6	-3266206.3	-3010033.3	-3330249.6	-3010033.3	-3074076.6	-3394453	-3200882.2	-2874261.6	-3331530.5
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
14.87	15.519999	17.169999	16.819999	14.82	16.42	17.27	18.019999	29.240345	26.670345	21.690276
0	0	0	0	0	0	0	0	0	0	0
14.74	15.389999	17.039999	16.689999	14.69	16.29	17.14	17.889999	29.114267	26.544267	21.564226
14.84	15.489999	17.139999	16.789999	14.79	16.39	17.24	17.989999	29.21125	26.64125	21.661188
14.089999	14.74	16.39	16.04	14.039999	15.639999	16.489999	17.24	28.483878	25.913877	20.933977
14.379999	15.03	16.68	16.33	14.329999	15.929999	16.779999	17.53	28.765129	26.195128	21.215165
14.82	15.469999	17.119999	16.769999	14.77	16.37	17.22	17.969999	29.191853	26.621854	21.641795
14.86	15.509999	17.159999	16.809999	14.81	16.41	17.26	18.009999	29.230646	26.660647	21.68058

18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.695603	18.695603	18.695603
0.97	0.969999	0.97	0.97	0.969999	0.969999	0.969999	0.97	0.989999	0.99	0.989999
14.55	15.2	16.85	16.5	14.5	16.1	16.95	17.7	28.93	26.36	21.38
3.088624	3.100873	3.127452	3.117214	3.115298	3.162432	3.665525	4.095906	4.410663	4.398186	3.946946
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
0.033545	0.023437	0.024607	0.030744	0.030096	0.032393	0.026953	0.037311	0.033035	0.034005	0.026348
8524.125	8437.5	8954.1	8199.9	9078.3	8185.95	8407.125	9184.05	8528.625	7650.675	8938.125
21.745216	21.972656	21.946323	21.808244	21.822836	21.771143	21.836688	21.660495	21.756696	21.734872	21.960995
8820	8640	9180	8460	9360	8460	8640	9540	8820	7920	9180
22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.555282

3.12 2.18

2.54313	3.95598	6.875869	4.7095	3.20246	0.75352	1.60123	0.56514	7.911959	7.535199	6.12235
0.007231	0.010718	0.023899	0.01525	0.014261	0.001152	0.001643	0.000239	0.100649	0.083868	0.021504
0.006989	0.01039	0.023259	0.01468	0.013966	0.001117	0.001614	0.000235	0.097295	0.081306	0.020906
1786.24097	1207.43426	8326.36021	3021.06737	1873.28577		60.16421	48.50589	12904.1837	8749.94606	1721.88948
10.012583	5.281149	31.067549	12.47842	8.170051		0.27793	0.186186	52.317288	37.356734	8.045702
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74

0.030688	0.030651	0.03348	0.029707	0.02798	0.032021	0.027005	0.023938	0.027295	0.030937	0.03397
1496.86748	2179.74498	5184.40598	3015.58704	3174.01462	229.44684	338.70724	54.6302	20835.9583	15635.1632	4659.95606
4495.21331	6952.57736	16545.75	9734.26178	9578.66164	735.860889	1086.01434	232.325259	73173.1233	54587.5903	17135.3618
0.807338	1.314594	2.297678	1.582223	1.05806	0.246834	0.540662	0.244939	2.971744	2.849507	2.267655
470.081002	297.646891	2082.93419	749.216819	488.168603		15.301907	9.695985	3073.69294	2101.80186	412.798823
22038.26	21589.34	22871.72	21160.14	23452.88	21109.68	21670.54	24003.3	22115.4	19784.38	22860.12
56.220051	56.222239	56.058137	56.276968	56.377115	56.142765	56.287116	56.611556	56.416836	56.205625	56.167371
22736	22272	23664	21808	24128	21808	22272	24592	22736	20416	23664
58	58	58	58	58	58	57.84935	58	58	58	58.142506
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
9.707582	15.482511	27.164232	18.574697	12.502601	2.952401	6.39045	2.743889	34.444872	32.920752	26.462608
9.707582	15.482511	27.164232	18.574697	12.502601	2.952401	6.39045	2.743889	34.444872	32.920752	26.462608
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
6226.12657	10048.6963	24637.8361	13961.1659	14280.4599	962.24139	1448.86904	288.314552	105411.141	81523.3507	23730.3996
562.519561	1392.28783	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.3978	2837.32253
6226.12657	10048.6963	24637.8361	13961.1659	14280.4599	962.24139	1448.86904	288.314552	105411.141	81523.3507	23730.3996
146.75	186.64	267.39	218.08	139.08	169.88	140.67	129.23	267.65	233.31	218.01
3877.36605	7448.97421	12321.9149	9070.69011	10185.3212	928.476489	1299.09503	226.043369	77039.9698	58362.0069	19171.1876
4306.10136	8553.60237	14775.1653	10522.6778	12069.8956	962.24139	1386.38537	238.777386	90228.9737	70640.3467	21777.4786
11.829364	22.3634	26.972728	21.992024	17.05665	4.64	8.959026	3.203952	43.923267	42.447177	35.657783
109.01226	199.81931	329.278245	240.616861	285.151928	24.36	34.335421	4.770592	1885.79099	1436.81509	450.913816
36.599208	37.13098	37.962853	38.064081	36.629567		39.816581	46.431311	42.670388	41.860998	40.82369
7.639039	7.79749	26.147866	16.743631	8.781972		1.538186	1.392939	34.94873	26.354309	13.020759
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
0.405408	0.602656	1.349068	0.851489	0.810048	0.064787	0.093402	0.013679	5.643163	4.715795	1.215577
562.519561	1392.28783	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.3978	2837.32253
562.519561	1392.28783	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.3978	2837.32253
49.907739	31.600689	221.141754	79.543138	51.828071		1.624578	1.029407	326.329009	223.144905	43.826183
1786.24097	1207.43426	8326.36021	3021.06737	1873.28577		60.16421	48.50589	12904.1837	8749.94606	1721.88948
1.8	3	5.25	3.49	3.35	0.42	0.58	0.09	24.08	16.27	6.46
-562.51956	-1392.2878	-3989.5609	-1869.4084	-2221.853	-33.7649	-89.6098	-13.765292	-15466.988	-14411.398	-2837.3225
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0.52	0.11	1.08	0.58	0.18		0.01	0.01	1.38	0.95	0.19
490.2062	867.2993	2475.6405	1325.6842	1174.4926	78.1616	128.4995	26.4554	9263.0047	6604.8708	1795.3147
0.03	0.05	0.25	0.07	0.07	0.04	0.03		0.86	0.49	0.21

11.4561	19.0935	95.4675	26.7309	26.7309	15.2748	11.4561		334.9786	190.8599	81.7971
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
4495.21331	6952.57736	16545.75	9734.26178	9578.66164	735.860889	1086.01434	232.325259	73173.1233	54587.5903	17135.3618
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
11.4561	19.0935	95.4675	26.7309	26.7309	15.2748	11.4561		334.9786	190.8599	81.7971
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
1156.9376	1684.7376	4007.0576	2330.7648	2453.2144	177.3408	261.7888	42.224	16436.0516	12333.5028	3675.9182

11.420911	11.397074	11.301002	11.344154	11.385415	11.449437	11.340637	11.308853	10.843652	10.92799	11.10734
0.41796	0.438622	0.469878	0.456573	0.444915	0.426857	0.456734	0.467941	0.735243	0.673341	0.55782
0.21493	0.422425	0.454524	0.441102	0.430816	0.4135	0.441249	0.454292	0.710941	0.647932	0.53782
244694.51	463841.888	572645.276	504981.094	503370.02	428997.736	470680.879	585789.844	682017.34	542052.417	507238.959
1445.4171	2593.76944	2559.91723	2380.66524	2929.63147	2479.77415	2368.96352	2473.85426	2867.07166	2378.21094	2530.94605
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
0.034515	0.037786	0.033161	0.034175	0.03262	0.031968	0.034687	0.029834	0.033903	0.040625	0.035735
106657.742	205005.096	232379.224	208603.796	226099.178	197361.076	213070.256	241514.715	333467.603	274756.163	269576.792
103447.797	198966.324	225961.036	202981.518	218555.45	192613.342	207976.906	235575.193	329991.99	272542.763	267473.433
2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.475999	2.476	2.476
152488.573	293095.785	332232.577	298240.847	323253.995	282167.13	304626.545	345293.588	495532.858	408287.658	400591.112
22349.85	41013.39	43786.17	40309.65	44669.73	40401.78	41145.48	45659.85	42036.81	37484.7	43669.62
57.014923	106.805703	107.319044	107.206515	107.379158	107.451542	106.871376	107.688325	107.23676	106.490625	107.296363
43512	42624	45288	41736	46176	41736	42624	47064	43512	39072	45288
111	111	111	111	111	111	110.711688	111	111	111	111.272727
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
30.029258	29.161338	28.865128	28.915483	29.089435	29.204167	28.992336	28.87424	28.530118	28.815995	29.220897
28.807404	28.748008	28.514276	28.617519	28.724819	28.865762	28.604919	28.528965	28.278282	28.48552	28.929501
279924.995	524190.056	593858.567	532149.566	576359.631	504462.956	545707.464	617722.24	876669.449	723865.512	709502.687
156222.535	314107.296	409184.537	350485.327	338322.876	304980.101	361729.887	428737.944	1033178.44	791603.355	619707.602
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156222.535	314107.296	409184.537	350485.327	338322.876	304980.101	361729.887	428737.944	1033178.44	791603.355	619707.602
201.35	369.49	394.47	363.15	402.43	363.98	370.68	411.35	378.71	337.7	393.42
24334.7247	53427.8874	14366.631	22015.0719	66290.1909	69943.7197	68253.5452	25012.1163	187743.829	174979.904	195655.808
25299.1818	54594.9523	16312.4397	24455.5638	66567.7282	67861.8697	72647.3234	26801.3704	253297.901	230895.565	232318.164

26.980643	30.357411	20.278193	27.471082	27.995959	32.699156	44.312282	26.053732	34.151257	38.021276	49.120131
900.293508	1954.14901	529.742737	812.185169	2445.09401	2492.17835	2489.62128	919.993556	6812.11611	6341.75919	7023.3706
15.364522	16.18645	16.39915	16.383575	15.641823	17.140174	17.158832	17.844509	23.915835	22.416938	20.110462
14.72163	15.070793	16.368227	16.327935	14.251112	16.148445	16.87531	17.802934	23.816575	22.28522	19.719887
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
23.85726	46.88926	50.452196	48.962388	47.820682	45.898526	48.851527	50.426514	78.914515	71.920494	59.844712
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8451.75249	16051.327	20054.7533	17597.6728	17448.31	14765.6677	16318.2167	20460.8484	24122.3739	18974.2548	17333.4274
244694.51	463841.888	572645.276	504981.094	503370.02	428997.736	470680.879	585789.844	682017.34	542052.417	507238.959
21.21	41.52	20.83	24.56	50.93	58.52	52.98	33.61	150.12	122.23	119.08
123702.46	210082.76	184674.03	181664.239	238036.756	199482.855	183977.577	188984.296	-156508.99	-67737.843	89795.085
98403.2779	155487.807	168361.59	157208.675	171469.027	131620.986	111330.254	162182.926	-409806.89	-298633.41	-142523.08
163.22	300.94	353.46	323.53	318.23	291.44	306.6	366.59	182.62	176.89	255.73
0.466836										
31983.7737	64743.2739	85390.1855	74845.1262	67419.3224	61709.4284	71691.2677	94580.3156	87274.5875	74022.2005	76531.669
1.48	0.94	0.93	0.7	0.91	0.75	0.92	0.94	0.92	0.91	0.88
10895.76	6920.28	6846.66	5153.4	6699.42	5521.5	6773.04	6920.28	6908.28	6833.19	6607.92
335674.996	631346.219	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050972.97	867480.558	850410.476
335674.996	631346.219	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050972.97	867480.558	850410.476
255936.37	492062.109	558193.613	501222.365	541809.445	474780.472	512603.45	580868.781	825524.849	680830.422	668064.546
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
10895.76	6920.28	6846.66	5153.4	6699.42	5521.5	6773.04	6920.28	6908.28	6833.19	6607.92
335674.996	631346.219	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050972.97	867480.558	850410.476
13092.8644	25207.6664	28818.2944	25773.8012	27850.7656	24160.9844	26330.9732	29933.1788	44236.3207	36201.9	34830.2211
2.54	12.16			15.79	4.58	0.1				0.16

0.029362	0.034322	0.033725	0.030425	0.028581	0.028164	0.023671	0.027783	0.019285	0.032982	0.023602

1141.47	1112.46	1182.72	1093.68	1212.33	1096.23	1124.73	1236.66	1153.32	1021.17	1195.11
2.911913	2.897031	2.898823	2.908723	2.914254	2.915505	2.921376	2.91665	2.942142	2.901051	2.936388
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

12.046299	11.993596	11.834613	11.869709	12.065908	11.927806	11.803615	11.684142	11.391681	11.506097	11.707037
0.503256	0.521539	0.56248	0.554289	0.502771	0.542238	0.571293	0.5993	0.775285	0.728753	0.623612
0.292162	0.497906	0.538665	0.525637	0.390339	0.518106	0.54012	0.486621	0.741125	0.698146	0.593703
110467.638	184649.558	210021.513	189231.898	156732.592	187502.834	197890.863	194774.831	307949.045	262801.017	263009.43
646.98226	1019.84621	932.835985	887.137969	933.633502	1078.47466	991.79078	813.413082	1303.21922	1161.12003	1314.88898
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
0.047857	0.045989	0.043357	0.050372	0.045456	0.04468	0.053515	0.046509	0.043928	0.043494	0.049289
59058.9463	98382.5299	111706.521	100682.919	83755.0597	99642.2677	105051.569	103502.094	141088.956	120289.331	121153.549
57008.5858	95579.5201	108783.477	98001.918	80927.5227	97246.659	102655.79	100866.943	139510.753	119322.291	120142.425
1.7993	1.7993	1.7993	1.7993	1.799299	1.7993	1.7993	1.7993	2.1015	2.1015	2.1015
48977.5842	81588.6321	92638.2175	83496.3449	69458.071	82633.3326	87119.2659	85834.2867	156820.375	133701.592	134662.17
9771.75	15752.62	16783.33	15311.87	13865.35	15445.6	15589.22	14800.17	16115.54	14477.67	16679.27
24.927933	41.022447	41.135612	40.723058	33.330168	41.078723	40.49148	34.906061	41.111071	41.129744	40.981007
16856	16512	17544	16168	17888	16168	16512	18232	16856	15136	17544
43	43	43	43	43	43	42.888311	43	43	43	43.105651
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
23.885562	23.105407	22.669076	22.839093	23.858956	22.888577	22.745646	22.853909	25.265649	25.521403	26.013119
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81461.2358	142975.363	184548.955	159716.942	114789.385	148814.12	170004.249	176834.026	400517.911	316150.262	256406.053
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227.03	366.34	390.31	356.09	322.45	359.2	362.54	344.19	374.78	336.69	387.89
	0.104355			6.976226				0.024474	50.305235	1481.97967
	0.094904			5.713669				0.037293	60.189649	1784.15973
	0.005168			0.285867				0.001053	0.431169	5.938422
	0.005168			0.327046				0.001053	2.024017	61.089042
14.438355	15.172918	16.597518	15.032525	14.777366	15.452891	16.200354	16.6575	27.660666	23.677942	21.298428
14.438355	4.69262	4.149379	4.359432	4.659013	5.253983	5.670124	4.6641	22.128533	20.597513	20.404678
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
12.562984	21.41	23.162622	22.602393	16.784591	22.27859	23.164857	20.92474	31.868392	30.020284	25.591965
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4924.69	8221.43483	9450.35	8498.5	6982.06295	8376.75	8918.47	8872.09	12492.4089	10565.116	10354.841
110467.638	184649.558	210021.513	189231.898	156732.592	187502.834	197890.863	194774.831	307949.045	262801.017	263009.43
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34978.2981	46480.9472	29660.1677	34139.5335	49888.4355	42839.9098	32984.5742	25879.0568	-87963.199	-49547.569	12690.9989
34978.2981	46480.8523	29660.1677	34139.5335	49882.7218	42839.9098	32984.5742	25879.0568	-87963.236	-49607.759	10906.8392
108.94	3.39	2.7	2.34	3.43	3.48	3.31	2.35	17.95	21.95	21
0.387755			0.002659	0.189903		0.002604	0.148584			
36298.6049	63519.4998	83580.8777	72523.095	50860.8753	60109.7265	69004.0426	77244.6049	85252.0643	73583.2977	74552.7343
1.64	1.32	1.15	1.27	2.18	1.14	1.4	2.18	1.24	1.01	1.24
5971.896	4806.648	4187.61	4624.578	7938.252	4151.196	5097.96	7938.252	4605.64272	3751.37028	4605.64272
147309.645	240880.859	272598.121	246483.438	208456.59	243737.043	257899.278	256813.628	386301.91	329477.926	332424.012
147309.645	240880.859	272598.121	246483.438	208456.59	243737.043	257899.278	256813.628	386301.91	329477.926	332424.012
105986.17	177168.152	201421.694	181498.263	150385.594	179879.992	189775.056	186701.229	296331.128	253023.882	254804.594
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
5971.896	4806.648	4187.61	4624.578	7938.252	4151.196	5097.96	7938.252	4605.64272	3751.37028	4605.64272
147309.645	240880.859	272598.121	246483.438	208456.59	243737.043	257899.278	256813.628	386301.91	329477.926	332424.012
4481.4679	7481.5104	8599.8185	7733.635	6353.9749	7622.8425	8115.8077	8073.6019	11617.9413	9827.4402	9686.8149
0.020535	0.042265	0.048161	0.028351	0.024543	0.027739	0.027031	0.024174	0.029642	0.033011	0.025661
1151.85	1103.31	1165.05	1096.02	1217.37	1096.71	1120.86	1241.25	1141.14	1021.14	1192.59
2.938392	2.873203	2.855514	2.914946	2.92637	2.916781	2.911324	2.927476	2.911071	2.900965	2.930196
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

1.121139	2.255511	5.780576	3.650712	2.953673	0.42	10.959117	9.731199	5.501745
0.001103	0.001989	0.007199	0.003152	0.004746	0.000064	0.027911	0.028848	0.003642
0.001015	0.001911	0.006911	0.003101	0.004629	0.000062	0.02702	0.02775	0.003549
94.840562	76.907228	604.509511	57.189541	41.912825		1108.79978	931.50336	17.55626
0.532505	0.349827	2.209241	0.255409	0.173619		4.566332	3.9422	0.074985

19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
0.024948	0.024257	0.031875	0.030824	0.032788	0.022686	0.032213	0.032912	0.031352	0.025482	0.031237
279.5	520.7	1999.8	821.9	1361.1		16.8		7464.8	6912	1018.4
794.014468	1683.80737	6386.86263	2614.15289	4023.2318		48.89333		22770.683	21482.5099	3348.03838
0.240671	0.510242	1.286237	0.825619	0.648873		0.087309		2.546135	2.237376	1.25071
33.6	24.316804	188.002412	17.686751	13.707674				356.650414	288.648348	4.697295
19099	18707.7	19814.7	18291.9	20064.6	18361.5	18583.6	20500.6	19007.4	17141	19792.6
48.721938	48.717968	48.565441	48.64867	48.232211	48.833776	48.26909	48.350471	48.488265	48.696022	48.630466
19600	19200	20400	18800	20800	18800	19200	21200	19600	17600	20400
50	50	50	50	50	50	49.870129	50	50	50	50.12285
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
3.888294	9.469216	28.321223	14.995078	14.641609		1.222333		45.798364	46.620775	22.043214
3.43357	7.200753	18.228249	11.702251	9.301471		1.222333		36.261182	31.701522	17.815532
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333		23040.815	21567.6299	3370.65238
853.301524	1987.35414	7514.47508	2936.54714	4559.13714		52.18403		26158.6135	25564.1926	3731.90198
50.643055	301.154771	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.56264	361.249591
853.301524	1987.35414	7514.47508	2936.54714	4559.13714		52.18403		26158.6135	25564.1926	3731.90198
258.25	268.62	395.11	306.12	202.19	122.94	83.96	59.21	314.86	299.3	243.28
707.817906	1609.29215	5823.98312	2563.10535	4006.29997		48.89333		21932.0152	20636.1266	3353.09612
751.33765	1878.73939	6826.62707	2875.66324	4513.23431		52.18403		24918.2757	24424.4661	3714.28775
1.65	3.350956	8.713413	5.432545	4.66928		1.2		16.21147	14.801028	7.958059
17.5	34.963085	127.597146	57.03666	95.32088		1.2		504.134166	467.78226	72.064478
40.638393	47.156196	48.17345	45.762633	43.434381				47.221923	46.105251	52.325359
0.812767	0.943123	5.868496	2.745758	1.303031				10.384388	11.526312	0.523253
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
0.050765	0.095572	0.345588	0.155053	0.23149		0.003116		1.35102	1.3875	0.177886
50.643055	301.154771	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.56264	361.249591
50.643055	301.154771	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.56264	361.249591
2.4	1.736914	13.402853	1.263339	0.979119				25.465833	20.617739	0.335521
94.840562	76.907228	604.509511	57.189541	41.912825				1108.79978	931.50336	17.55626
0.3	0.5	1.92	0.84	1.22		0.03		7.31	6.89	1.11
-50.643055	-301.15477	-1085.9824	-316.25225	-510.92435		-3.290699		-3117.7985	-3996.5626	-361.24959
-801.98071	-2179.8942	-7912.6095	-3191.9155	-5024.1587		-55.474729		-28036.074	-28421.029	-4075.5373
0.02		0.06	0.01					0.19	0.07	
93.9643	235.6471	1083.9315	380.7935	548.6188		6.1061		3511.8229	3268.2025	402.5856

0.02		0.06	0.01	0.04			0.52	0.12	0.04
8.332		32.686	4.166	20.509			252.324	58.832	20.918
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333	23040.815	21567.6299	3370.65238
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333	23040.815	21567.6299	3370.65238
794.014468	1683.80737	6386.86263	2614.15289	4023.2318		48.89333	22770.683	21482.5099	3348.03838
19.9	36.7	141	58.3	96.3		1.2	529.6	488.4	72.4
8.332		32.686	4.166	20.509			252.324	58.832	20.918
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333	23040.815	21567.6299	3370.65238
0.312	2.392	8.944	1.976	4.472			17.808	26.288	1.696

0.029362	0.034843	0.03522	0.038085	0.024471	0.027792	0.026354	0.032122	0.03079	0.039119	0.028529

1521.96	1482.48	1574.52	1446.72	1623.28	1462.2	1495.52	1641.52	1519.72	1352.92	1585.44
3.882551	3.860625	3.859117	3.847659	3.902115	3.888829	3.884467	3.871509	3.876836	3.843522	3.895429
1568	1536	1632	1504	1664	1504	1536	1696	1568	1408	1632
4	4	4	4	4	4	3.98961	4	4	4	4.009828

10.819721	10.776439	10.625278	10.679926	10.798298	10.762547	10.638053	10.5825	10.234215	10.313534	10.410828
0.300058	0.316071	0.35911	0.343956	0.319636	0.319837	0.361396	0.378342	0.679048	0.63164	0.502724
0.212967	0.299767	0.34103	0.323587	0.302707	0.302289	0.341514	0.358828	0.646149	0.599842	0.47577
118359.212	164316.431	196915.311	172768.106	177792.505	161325.812	186024.655	214923.554	349843.832	292731.037	273505.965
691.92418	893.830439	859.596274	799.031464	1017.70871	920.292167	928.431816	899.872942	1478.90414	1291.43581	1360.50522
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
0.069387	0.055625	0.051911	0.062207	0.055096	0.057553	0.055182	0.053797	0.048877	0.052869	0.053308
52520.487	72326.8847	86379.7049	75789.4861	78994.067	71283.6052	81443.2125	94020.3001	150305.33	125846.252	117373.905
50856.2344	70407.3544	84196.643	73879.9604	76423.2591	70284.4636	79937.748	92215.7713	148928.734	124536.271	116713.345
2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2803	2.2803	2.2803
66254.5944	91240.3651	108967.998	95608.4367	99651.0156	89924.268	102740.613	118606.609	193938.967	162379.419	151447.55
16249.194	21250.704	22667.652	20662.946	23034.488	20765.496	21260.666	23509.734	21848.424	19536.654	22634.25

41.452025	55.340374	55.55797	54.954643	55.371365	55.227382	55.222509	55.447485	55.735775	55.501857	55.612407
22971.2	22502.4	23908.8	22033.6	24377.6	22033.6	22502.4	24846.4	22971.2	20627.2	23908.8
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.74398
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
32.645267	29.133998	27.335526	28.048017	28.754681	28.510373	27.149956	27.764382	25.611573	26.650986	26.892471
24.607884	24.506586	24.164839	24.28574	24.560888	24.46019	24.185533	24.062481	23.806019	23.984959	24.211117
153719.538	189858.66	220701.85	196224.277	205072.313	186893.932	206696.267	243335.254	373432.152	315308.429	298274.929
92712.6142	134025.747	181327.217	152038.569	143577.415	131938.754	164250.125	195647.544	504464.916	395791.173	305652.016
-61006.924	-55832.913	-39374.633	-44185.708	-61494.898	-54955.179	-42446.142	-47687.709	131032.764	80482.7447	7377.08716
92712.6142	134025.747	181327.217	152038.569	143577.415	131938.754	164250.125	195647.544	504464.916	395791.173	305652.016
277.29	362.64	386.82	352.61	393.08	354.36	362.81	401.19	372.84	333.39	386.25
1001.99203	434.216141			1676.24086	1946.76499	188.759194				1.227784
1174.00103	498.605418			1956.38258	2131.28312	223.919458				1.188677
6.106882	3.402716			7.262832	6.496816	1.91777				0.048392
44.717825	18.645011			73.369216	83.159368	7.98842				0.048392
14.508848	15.648116	16.215971	15.826946	16.664933	17.650945	17.868809	17.321117	27.318748	25.154691	22.962797
14.498034	14.478098	13.134937	13.136365	15.202145	16.622633	14.636459	13.510471	13.932561	9.055688	12.850697
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
12.479897	17.56639	19.984387	18.962239	17.738668	17.714186	19.960774	21.027349	37.864367	35.150789	27.948658
-88459.383	-93638.176	-84525.305	-83800.872	-102785.1	-92215.119	-85016.509	-96832.12	52468.1686	14702.9086	-53974.253
-88459.383	-93638.176	-84525.305	-83800.872	-102785.1	-92215.119	-85016.509	-96832.12	52468.1686	14702.9086	-53974.253
4847.40217	6726.84899	8153.63	7129.802	7305.91678	6577.37463	7676.90958	8915.596	14842.832	12373.078	11375.0556
118359.212	164316.431	196915.311	172768.106	177792.505	161325.812	186024.655	214923.554	349843.832	292731.037	273505.965
2.44	0.03			0.24	0.22	0.05				
61006.9242	55832.913	39374.6332	44185.708	61494.8978	54955.1786	42446.142	47687.7093	-131032.76	-80482.745	-7377.0872
59832.9232	55334.3075	39374.6332	44185.708	59538.5153	52823.8954	42222.2225	47687.7093	-131032.76	-80482.745	-7378.2758
79.49	21.8	21.04	19.68	19.89	17.08	20.11	20.83	2.85	1.78	2.72
0.242346										
40903.2043	59625.8775	77786.1536	67285.9337	61011.2013	55515.7023	65474.7566	84867.9682	79954.3024	68853.7914	69765.521
2.08	1.52	1.44	1.42	1.55	1.43	1.24	1.72	1.4	1.34	1.47
34358.3344	25108.0136	23786.5392	23456.1706	25603.5665	23621.3549	20482.8532	28411.6996	23588.32	22577.392	24767.736
181171.997	227663.923	265852.521	235839.441	246362.512	224153.873	249266.634	292479.664	451996.748	381088.265	359626.269
181171.997	227663.923	265852.521	235839.441	246362.512	224153.873	249266.634	292479.664	451996.748	381088.265	359626.269
117110.829	161647.719	193164.641	169488.397	176074.275	160208.732	182678.361	210822.38	342867.701	286915.69	268160.894
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104

34358.3344	25108.0136	23786.5392	23456.1706	25603.5665	23621.3549	20482.8532	28411.6996	23588.32	22577.392	24767.736
181171.997	227663.923	265852.521	235839.441	246362.512	224153.873	249266.634	292479.664	451996.748	381088.265	359626.269
2250.3752	3102.92724	3750.6698	3279.70892	3394.47156	3063.84564	3535.05308	4101.17416	6976.13104	5815.34666	5346.29888
0.75	1.65	4.5	2.7	2.4				7.2	7.8	3.3
0.000584	0.001566	0.0055	0.00224	0.003898				0.018055	0.021381	0.002194
0.000535	0.001536	0.005392	0.002101	0.00375				0.017755	0.020625	0.002107
23.651171		93.637127						85.062075	37.959813	
0.133705		0.33597						0.3371	0.15905	
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
0.032168	0.030677	0.022426	0.03109	0.032307	0.037632	0.02888	0.026367	0.025357	0.03534	0.03223
44.1	123.9	462	165.9	327.6				1461.6	1524.6	180.6
123.083651	398.278959	1479.13449	532.924157	959.133938				4220.19147	4663.24759	580.567887
0.14818	0.351881	0.939189	0.579092	0.49237				1.479735	1.68146	0.696588
8.4		28.660022						22.766286	11.948024	
5311.46	5211.08	5583.9	5100.34	5635.84	5065.9	5220.74	5779.48	5348.84	4753.84	5527.9
13.549642	13.57052	13.686029	13.564734	13.547692	13.473138	13.560363	13.630849	13.645	13.505227	13.582063
5488	5376	5712	5264	5824	5264	5376	5936	5488	4928	5712
14	14	14	14	14	14	13.963636	14	14	14	14.034398
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
2.222707	5.278229	14.375346	8.769714	8.88556				23.004878	25.85789	10.823822
2.222707	5.278229	14.375346	8.769714	8.88556				23.004878	25.85789	10.823822
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887
131.695252	457.646311	1714.13989	598.037885	1070.36838				4871.09638	5535.00185	640.072253
8.6116	59.367352	214.005394	54.613728	90.234438				440.904911	766.754263	49.004366
131.695252	457.646311	1714.13989	598.037885	1070.36838				4871.09638	5535.00185	640.072253
149.37	162.49	222.55	168.51	107.9	66.46	47.21	39.63	159.42	149.56	121.08
99.43248	398.278959	1406.49736	543.424157	980.133938				4345.12939	4730.28777	591.067887
107.168246	457.646311	1612.54184	598.037885	1070.36838				4774.52785	5482.76739	640.072253
0.7	1.54	4.005866	2.52	2.24				6.695247	7.237674	3.08
2.38	8.26	28.889331	11.06	21.84				95.922247	100.843465	12.04
44.068224		50.120824						49.784442	49.513164	
0.440682		3.007249						2.987066	1.980526	
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04

0.0075	0.02151	0.07549	0.029414	0.0525				0.248571	0.28875	0.029582
8.6116	59.367352	214.005394	54.613728	90.234438				440.904911	766.754263	49.004366
8.6116	59.367352	214.005394	54.613728	90.234438				440.904911	766.754263	49.004366
0.56		1.910668						1.517752	0.796534	
23.651171		93.637127						85.062075	37.959813	
0.13	0.4	1.32	0.6	1.13				5.02	4.86	0.71
-8.6116	-59.367352	-214.00539	-54.613728	-90.234438				-440.90491	-766.75426	-49.004366
-115.77985	-517.01366	-1826.5472	-652.65161	-1160.6028				-5215.4328	-6249.5216	-689.07662
0.04		0.08						0.08	0.01	
38.3247	128.8311	573.0886	186.2648	313.2553				1681.9216	1683.4726	180.2451
		0.02	0.01	0.02				0.2	0.1	0.01
		21	10.5	21				210	105	10.5
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887
123.083651	398.278959	1479.13449	532.924157	959.133938				4220.19147	4663.24759	580.567887
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
		21	10.5	21				210	105	10.5
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887

11.411005	11.409336	11.278099	11.325382	11.386549	11.428281	11.302027	11.228348	10.802976	10.901615	11.063927
0.180635	0.245013	0.269473	0.259487	0.2411	0.242926	0.261267	0.265477	0.440328	0.406329	0.324496
0.134469	0.235863	0.259791	0.249422	0.227289	0.234148	0.251466	0.251681	0.424652	0.390857	0.311977
475426.093	814092.219	988606.606	870059.355	839810.316	777826.383	854656.561	995536.735	1353908.26	1107303.88	1045493.8
2795.00234	4513.07707	4385.96225	4079.5685	4889.31735	4478.54098	4289.46404	4187.32647	5706.41574	4872.22477	5214.46094
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
0.034301	0.034919	0.035436	0.036073	0.033339	0.03321	0.033428	0.033424	0.032256	0.035759	0.033741
220057.642	378538.855	438111.656	389079.588	393711.02	368516.395	399920.544	439091.74	654624.248	544963.51	513963.202
216724.929	373987.862	443352.903	387744.735	390467.26	360880.325	391705.351	428890.232	718595.475	597134.672	525393.171
2.202277	2.216516	2.225421	2.218446	2.244757	2.205237	2.208511	2.222168	2.3867	2.383402	2.354074
267720.752	465924.782	533838.792	477345.628	492363.082	454724.73	494486.423	549734.483	846292.2	704368.669	686700.832
512.081002	321.963695	2299.59662	766.90357	501.876278		15.301907	9.695985	3453.10964	2402.39823	417.496118
107158.919	135660.584	144383.862	132673.166	143854.168	132991.046	135618.481	147556.614	138815.219	124224.149	144075.025
273.364589	353.28277	353.882014	352.854164	345.803288	353.69959	352.255794	348.010882	354.120456	352.909514	353.99269
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8

367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
102.378673	111.630701	148.730533	122.142085	117.732845	83.55552	86.500723	82.236421	182.655455	186.387804	141.456133
26.212093	26.411519	26.249067	26.248846	26.712232	26.273744	26.029525	26.017102	27.064578	27.229947	27.185728
556673.416	914245.913	1057346.44	937485.795	963196.718	883939.395	956800.707	1064045.13	1680071.47	1399224.46	1301729.47
337607.508	603602.104	808927.16	679736.589	616599.641	586695.216	697485.314	801507.829	2074602.12	1616167.34	1209868.05
-219065.91	-310643.81	-248419.28	-257749.21	-346597.08	-297244.18	-259315.39	-262537.3	394530.647	216942.872	-91861.42
337607.508	603602.104	808927.16	679736.589	616599.641	586695.216	697485.314	801507.829	2074602.12	1616167.34	1209868.05
1260.04	1716.22	2056.65	1764.56	1570.25	1436.82	1367.87	1384.8	1868.26	1692.13	1749.93
30021.3331	63318.7532	33919.0264	34192.2915	83145.1631	72818.9612	69790.2927	25238.1597	291060.968	258758.631	220254.367
31637.79	65983.6407	39526.7739	38451.9426	86183.3227	70955.3942	74309.8122	27040.1477	373219.716	331503.335	260235.351
6.988127	9.195801	9.811945	8.978314	9.168553	10.958993	11.277815	7.314421	16.741966	16.819907	15.680121
1073.90359	2215.84158	1015.50746	1120.89869	2921.10308	2599.69771	2533.14512	924.764149	9297.96457	8349.22402	7619.52633
15.99218	17.268758	22.554574	19.477849	17.179162	17.177877	17.46674	17.788847	30.560561	27.550745	22.528857
15.776243	16.727928	22.394498	19.451465	16.484633	16.648008	17.29701	17.766035	30.339196	27.499996	22.358397
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
49.363816	86.58539	95.369352	91.562978	83.43798	85.95609	92.073677	92.392283	155.89003	143.483613	114.808383
-333138.48	-507029.78	-473423.57	-459028.54	-549848.09	-489747.77	-468168.04	-492021.99	67915.3375	-55327.244	-357447.51
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18276.7124	31032.9484	37895.1885	33306.7813	31789.0969	29719.7923	32915.2209	38249.5639	51810.9274	42157.008	39107.4857
475426.093	814092.219	988606.606	870059.355	839810.316	777826.383	854656.561	995536.735	1353908.26	1107303.88	1045493.8
25.88	45.45	29.32	29.49	56.87	59.16	53.64	33.7	186.53	150.34	127.76
219065.908	310643.81	248419.282	257749.206	346597.077	297244.179	259315.393	262537.297	-394530.65	-216942.87	91861.4203
187428.118	244660.169	208892.508	219297.263	260413.754	226288.785	185005.581	235497.149	-767750.36	-548446.21	-168373.93
352.23	326.24	378.42	346.14	341.73	312	330.03	389.78	205.07	201.65	279.64
0.099721			0.000241	0.017263		0.000236	0.013507			
109808.078	189120.429	250889.877	216546.897	181327.766	177413.019	206304.673	256719.344	266937.703	228015.836	223228.07
5.25	3.83	3.85	3.48	4.77	3.36	3.59	4.84	5.14	3.97	3.85
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
670745.987	1110631.89	1282350.73	1138765.13	1166447.73	1076442.98	1165653.35	1293529.82	2006686.78	1671494.58	1567315.55
670745.987	1110631.89	1282350.73	1138765.13	1166447.73	1076442.98	1165653.35	1293529.82	2006686.78	1671494.58	1567315.55
484445.68	839912.645	977191.695	865090.363	882830.341	815605.056	886191.774	978624.716	1564887.68	1301503.34	1212094
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
670745.987	1110631.89	1282350.73	1138765.13	1166447.73	1076442.98	1165653.35	1293529.82	2006686.78	1671494.58	1567315.55

20981.9571	37479.2336	45184.7843	39119.8859	40056.8985	35025.0133	38243.6228	42150.1789	79284.2526	64204.4777	53540.9491
2.54	12.16			15.79	4.58	0.1				0.16
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02
1904.1625	1266.43417	2274.00682	2013.643	1307.63039	1148.21303	1560.31309	2464.50095	1184.2272	1137.61562	1268.22327
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66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02
362.68	324.56	377.81	346.1	340.83	310.14	329.55	389.47	203.61	200.87	279.22
136.501027	145.570433	183.337212	173.19758	145.203779	114.079814	140.391929	176.147609	157.358235	151.456053	129.322231
65.687631	51.345782	88.91262	82.940882	52.344613	44.632229	63.32008	93.018197	70.164431	73.047266	55.562607
23929.2993	16894.2726	33798.693	28861.9639	18179.8396	13951.8596	21003.3853	36428.5796	15642.4144	15703.2695	15930.6558
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996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
1322776.02	1354512.2	2122940.75	1801147.84	1320516.34	1281623.72	1640266.12	2405644.85	3004664.27	2396349.37	2038992.96
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02
1904.1625	1266.43417	2274.00682	2013.643	1307.63039	1148.21303	1560.31309	2464.50095	1184.2272	1137.61562	1268.22327
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66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02
362.68	324.56	377.81	346.1	340.83	310.14	329.55	389.47	203.61	200.87	279.22
136.501027	145.570433	183.337212	173.19758	145.203779	114.079814	140.391929	176.147609	157.358235	151.456053	129.322231
65.687631	51.345782	88.91262	82.940882	52.344613	44.632229	63.32008	93.018197	70.164431	73.047266	55.562607

23929.2993	16894.2726	33798.693	28861.9639	18179.8396	13951.8596	21003.3853	36428.5796	15642.4144	15703.2695	15930.6558
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996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
1322776.02	1354512.2	2122940.75	1801147.84	1320516.34	1281623.72	1640266.12	2405644.85	3004664.27	2396349.37	2038992.96
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94

232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235011.948	240602.082	221653.413	254252.024
1376.85135	1052.08234	713.546019	678.9337	1164.53218	1153.86076	1058.81785	1001.54629	1022.21689	981.668967	1281.26488
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019
121406.43	100785.99	93186.051	83293.4135	101740.279	114838.928	126948.138	149179.967	248854.845	197562.855	184128.584
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019
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8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8327.26304	8104.26844	7453.04011	8549.16019
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235011.948	240602.082	221653.413	254252.024
111475.412	84768.6598	63090.0268	58410.0319	95181.4593	84295.907	82467.3359	86409.3955	5562.6709	24090.558	70123.4395
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66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019

232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019
121406.43	100785.99	93186.051	83293.4135	101740.279	114838.928	126948.138	149179.967	248854.845	197562.855	184128.584
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232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	242967.979	246266.135	226755.082	260144.476
1422.70588	1089.02027	736.574662	700.975781	1204.33133	1194.08185	1094.52596	1035.50961	1046.28324	1004.24716	1310.99899
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
136383.204	113322.91	104647.544	93511.3994	114332.425	129127.183	142640.96	167641.376	279636.534	221969.047	206884.263
14.15664	11.911494	14.817608	16.891589	12.397571	16.903649	18.46684	16.685875	31.884164	14.554803	20.027396
10.19278	0.357344	0.592704	1.182411	1.239757	0.845182	0.923342	1.168011	1.913049	0.145548	1.001369
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
23.647264	19.265116	15.232205	14.989428	18.856873	21.109813	21.659097	22.126035	24.592887	23.788425	23.603235
-104258.92	-78724.099	-56687.106	-52799.813	-89309.745	-76924.859	-73833.057	-75925.966	19171.6363	-4786.0346	-53260.213
-104258.92	-78724.099	-56687.106	-52799.813	-89309.745	-76924.859	-73833.057	-75925.966	19171.6363	-4786.0346	-53260.213
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9358.95266	9106.96572	8373.52593	9606.51685
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	242967.979	246266.135	226755.082	260144.476
104258.922	78724.0986	56687.1059	52799.8132	89309.7447	76924.859	73833.0575	75925.9662	-19171.636	4786.03459	53260.2135
104258.922	78724.0986	56687.1059	52799.8132	89309.7447	76924.859	73833.0575	75925.9662	-19171.636	4786.03459	53260.2135
11.35	0.15	0.26	0.37	1.61	0.26	0.23	0.52	0.4	0.01	0.44
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
136383.204	113322.91	104647.544	93511.3994	114332.425	129127.183	142640.96	167641.376	279636.534	221969.047	206884.263
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240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
983.432455	1123.41184	973.591828	911.479434	970.218974	738.788255	728.958899	816.443342	790.783285	775.599946	1032.14322

3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
46857.9654	58655.388	68752.1134	60901.208	45296.5085	39056.7419	47080.6004	66641.6299	105587.08	89180.0205	85334.1183

3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
8.28355	10.100516	10.216143	9.866897	7.695211	6.590159	7.303548	8.841369	9.291071	9.696024	9.83955
-119493.63	-140045.21	-144784.09	-129159.7	-118701.38	-87886.069	-96971.294	-125406.35	-80997.7	-85668.009	-119826.51
-119493.63	-140045.21	-144784.09	-129159.7	-118701.38	-87886.069	-96971.294	-125406.35	-80997.7	-85668.009	-119826.51
3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
119493.626	140045.208	144784.089	129159.704	118701.384	87886.069	96971.294	125406.353	80997.6999	85668.0086	119826.512
119493.626	140045.208	144784.089	129159.704	118701.384	87886.069	96971.294	125406.353	80997.6999	85668.0086	119826.512

66610.6127	69404.7757	90815.3515	77752.873	68997.7259	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
46857.9654	58655.388	68752.1134	60901.208	45296.5085	39056.7419	47080.6004	66641.6299	105587.08	89180.0205	85334.1183
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166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63

235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	260573.361	292441.409	184957.649	288973.32
1397.30144	1341.34395	954.589204	959.288493	1439.77403	1604.32338	1280.45268	1117.80293	1251.60786	824.45792	1464.14056
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
52190.0055	52934.7218	50264.0677	48830.4027	51912.0099	67142.634	65135.229	70150.0882	131720.968	72456.5561	91413.8198
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
9.273859	9.442351	7.845014	8.165125	8.986301	11.296467	10.119132	9.508271	11.89433	7.908607	10.686456
-183453.58	-182093.71	-157209.58	-150172.64	-190404.7	-208178.48	-187394.8	-191191.11	-177643.83	-112501.09	-197559.5
-183453.58	-182093.71	-157209.58	-150172.64	-190404.7	-208178.48	-187394.8	-191191.11	-177643.83	-112501.09	-197559.5
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4019.83461	4405.26572	2783.82976	4349.38772
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	260573.361	292441.409	184957.649	288973.32
183453.578	182093.711	157209.582	150172.644	190404.698	208178.478	187394.798	191191.109	177643.833	112501.093	197559.501

183453.578	182093.711	157209.582	150172.644	190404.698	208178.478	187394.798	191191.109	177643.833	112501.093	197559.501
66565.6271	69241.3168	89584.1086	78434.4951	71454.5265	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81415.9536
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
52190.0055	52934.7218	50264.0677	48830.4027	51912.0099	67142.634	65135.229	70150.0882	131720.968	72456.5561	91413.8198
-183453.58	-182093.71	-157209.58	-150172.64	-190404.7	-208178.48	-187394.8	-191191.11	-177643.83	-112501.09	-197559.5
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	930601.271	965894.406	808214.174	1008530.45
5180.29112	4605.8584	3378.30172	3250.67741	4778.85651	4691.05424	4162.75539	3971.30217	4110.89128	3585.97399	5088.54766
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
356837.604	325699.01	316849.776	286536.424	313281.223	350165.487	381804.927	453613.061	765799.427	581168.479	567760.785
14.15664	11.911494	14.817608	16.891589	12.397571	16.903649	18.46684	16.685875	31.884164	14.554803	20.027396
10.19278	0.357344	0.592704	1.182411	1.239757	0.845182	0.923342	1.168011	1.913049	0.145548	1.001369
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
62.256635	55.931132	46.866348	46.376194	52.312645	57.763764	58.356628	60.162553	67.663461	62.566467	65.134549
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24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25454.7909	25258.5998	22023.3966	26509.7618
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	930601.271	965894.406	808214.174	1008530.45
518681.538	485631.677	421770.804	390542.193	493597.286	457285.313	440666.486	478932.823	245032.568	227045.694	440769.666
518681.538	485631.677	421770.804	390542.193	493597.286	457285.313	440666.486	478932.823	245032.568	227045.694	440769.666
11.35	0.15	0.26	0.37	1.61	0.26	0.23	0.52	0.4	0.01	0.44
266397.465	277455.644	362030.163	315399.757	283914.247	261563.31	305543.633	400531.738	370847.767	319534.696	326059.664
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
356837.604	325699.01	316849.776	286536.424	313281.223	350165.487	381804.927	453613.061	765799.427	581168.479	567760.785

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875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
11.411005	11.409336	11.278099	11.325382	11.386549	11.428281	11.302027	11.228348	10.802976	10.901615	11.063927
0.180635	0.245013	0.269473	0.259487	0.2411	0.242926	0.261267	0.265477	0.440328	0.406329	0.324496
0.134469	0.235863	0.259791	0.249422	0.227289	0.234148	0.251466	0.251681	0.424652	0.390857	0.311977
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
1677684.16	1866742.88	2241024.13	1979678.09	1881341.72	1788850.4	1990296.41	2510839.11	2601041.82	2176036.2	2309751.27
9879.45596	10385.3696	10038.2708	9343.88891	10975.8043	10317.8082	10012.5325	10623.1296	11001.5342	9595.81438	11571.2319
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3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
0.034301	0.034919	0.035436	0.036073	0.033339	0.03321	0.033428	0.033424	0.032256	0.035759	0.033741
220057.642	378538.855	438111.656	389079.588	393711.02	368516.395	399920.544	439091.74	654624.248	544963.51	513963.202
216724.929	373987.862	443352.903	387744.735	390467.26	360880.325	391705.351	428890.232	718595.475	597134.672	525393.171
2.202277	2.216516	2.225421	2.218446	2.244757	2.205237	2.208511	2.222168	2.3867	2.383402	2.354074
267720.752	465924.782	533838.792	477345.628	492363.082	454724.73	494486.423	549734.483	846292.2	704368.669	686700.832
512.081002	321.963695	2299.59662	766.90357	501.876278		15.301907	9.695985	3453.10964	2402.39823	417.496118
107158.919	135660.584	144383.862	132673.166	143854.168	132991.046	135618.481	147556.614	138815.219	124224.149	144075.025
273.364589	353.28277	353.882014	352.854164	345.803288	353.69959	352.255794	348.010882	354.120456	352.909514	353.99269
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
102.378673	111.630701	148.730533	122.142085	117.732845	83.55552	86.500723	82.236421	182.655455	186.387804	141.456133
26.212093	26.411519	26.249067	26.248846	26.712232	26.273744	26.029525	26.017102	27.064578	27.229947	27.185728
556673.416	914245.913	1057346.44	937485.795	963196.718	883939.395	956800.707	1064045.13	1680071.47	1399224.46	1301729.47
337607.508	603602.104	808927.16	679736.589	616599.641	586695.216	697485.314	801507.829	2074602.12	1616167.34	1209868.05
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
-219065.91	-310643.81	-248419.28	-257749.21	-346597.08	-297244.18	-259315.39	-262537.3	394530.647	216942.872	-91861.42
694445.113	929301.113	1125776.94	966273.013	929880.864	936860.703	1079290.24	1255120.89	2840401.55	2197335.81	1777628.83
1260.04	1716.22	2056.65	1764.56	1570.25	1436.82	1367.87	1384.8	1868.26	1692.13	1749.93
30021.3331	63318.7532	33919.0264	34192.2915	83145.1631	72818.9612	69790.2927	25238.1597	291060.968	258758.631	220254.367
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02

362.68	324.56	377.81	346.1	340.83	310.14	329.55	389.47	203.61	200.87	279.22
136.501027	145.570433	183.337212	173.19758	145.203779	114.079814	140.391929	176.147609	157.358235	151.456053	129.322231
5.473969	4.278815	7.409385	6.91174	4.362051	4.959136	6.332008	10.335355	5.847035	6.087272	4.630217
23,929.30	16,894.27	33,798.69	28,861.96	18,179.84	13,951.86	21,003.39	36,428.58	15,642.41	15,703.27	15,930.66
31637.79	65983.6407	39526.7739	38451.9426	86183.3227	70955.3942	74309.8122	27040.1477	373219.716	331503.335	260235.351
4.076407	5.364217	5.723634	5.237349	5.348322	4.870663	5.638907	3.250853	9.766147	9.811612	9.146737
1,073.90	2,215.84	1,015.51	1,120.90	2,921.10	2,599.70	2,533.15	924.76	9,297.96	8,349.22	7,619.53
15.772734	17.223525	22.481082	19.394846	17.08364	17.191293	17.492309	17.738599	30.557799	27.528943	22.541491
15.595842	16.684929	22.321031	19.368586	16.409159	16.666804	17.323842	17.715984	30.337127	27.478254	22.374418
-22855.396	-14678.431	-32783.186	-27741.065	-15258.736	-11352.162	-18470.24	-35449.684	-5078.9728	-7354.0454	-8311.1295
-58.30458	-38.22508	-80.350944	-73.779428	-36.679655	-30.191919	-47.974649	-83.607744	-12.956563	-20.892174	-20.420465
-4985976.9	-5179930.3	-5770544.5	-5228211.8	-5459558.4	-5035116.9	-5310008.8	-6186351.5	-6101424.6	-5292465.8	-5913013.6
-74.857191	-74.665124	-63.577776	-65.71291	-76.164958	-77.014963	-69.531637	-61.7992	-65.830408	-66.272088	-72.526011
-4985976.9	-5179930.3	-5770544.5	-5228211.8	-5459558.4	-5035116.9	-5310008.8	-6186351.5	-6101424.6	-5292465.8	-5913013.6
42681.3134	52510.5031	57016.6585	50744.2306	53551.1575	51438.9679	55382.523	63704.3548	77069.5273	64180.4045	65617.2475
1350945.23	1625422.91	1727227.19	1547137.97	1646688.83	1585277.18	1677127.97	1926138.01	2319802.67	1915518.05	2054024.25
4871904.37	4983544.28	5545540.23	5026932.42	5256307.42	4842613.29	5101156.12	5956866.84	5774809.26	5020195.64	5647427.5
5167005.5	5158880.61	6019810.41	5421020.6	5404776.99	4975231.12	5340014.74	6514527.8	5682828.7	4949210.45	5642919.17
0.099721			0.000241	0.017263		0.000236	0.013507			
442816.156	535980.848	703735.392	611552.849	536973.009	504367.156	588234.214	757384.016	730497.412	627434.206	630835.637
5.25	3.83	3.85	3.48	4.77	3.36	3.59	4.84	5.14	3.97	3.85
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
5680422.05	6109231.36	6896321.46	6194484.77	6389439.29	5971977.58	6389299.01	7441472.43	8941826.12	7489801.57	7690642.42
2542302.23	3035154.8	3630115.11	3184451.47	3059189.69	2961944.28	3315222.44	4047019.45	5740943.9	4615539.98	4359111.95
484445.68	839912.645	977191.695	865090.363	882830.341	815605.056	886191.774	978624.716	1564887.68	1301503.34	1212094
43755.217	54726.3447	58032.166	51865.1292	56472.2606	54038.6656	57915.6681	64683.2509	87632.9689	72529.6286	73236.7738
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
2542302.23	3035154.8	3630115.11	3184451.47	3059189.69	2961944.28	3315222.44	4047019.45	5740943.9	4615539.98	4359111.95
20981.9571	37479.2336	45184.7843	39119.8859	40056.8985	35025.0133	38243.6228	42150.1789	79284.2526	64204.4777	53540.9491
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
356837.604	325699.01	316849.776	286536.424	313281.223	350165.487	381804.927	453613.061	765799.427	581168.479	567760.785
-518681.54	-485631.68	-421770.8	-390542.19	-493597.29	-457285.31	-440666.49	-478932.82	-245032.57	-227045.69	-440769.67
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45

2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	2020-02
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
-3004910	-3200882.2	-3266206.3	-3200882.2	-3200882.2	-3266206.3	-3070234	-3266206.3	-3331671	-3255956	-3123059.8
-3004910	-3200882.2	-3266206.3	-3200882.2	-3200882.2	-3266206.3	-3070234	-3266206.3	-3331671	-3255956	-3123059.8
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
20.490312	16.220249	16.930291	18.7404	18.350198	16.170409	17.920308	18.850292	19.67038	31.819922	29.019947
0	0	0	0	0	0	0	0	0	0	0
20.364247	16.09421	16.804235	18.6143	18.22418	16.044305	17.794245	18.724236	19.544288	31.698079	28.898094
20.46122	16.191163	16.901201	18.7113	18.321117	16.141308	17.891216	18.821202	19.641282	31.791804	28.991827
19.733926	15.464015	16.173955	17.9838	17.594089	15.413786	17.163931	18.093953	18.913827	31.088861	28.288825
20.015146	15.745179	16.455157	18.2651	17.875206	15.695094	17.445148	18.375156	19.19511	31.360666	28.560652
20.441826	16.171773	16.881808	18.6919	18.30173	16.121908	17.871822	18.801809	19.621883	31.773059	28.97308
20.480615	16.210554	16.920595	18.7307	18.340505	16.160709	17.910611	18.840596	19.660681	31.81055	29.010574

18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	19.069515	19.069515
0.99	0.989999	0.99	0.99	0.99	0.99	0.99	0.989999	0.99	1.01	1.01
20.18	15.91	16.62	18.43	18.04	15.86	17.61	18.54	19.36	31.52	28.72
3.587167	3.380853	3.394446	3.421353	3.414619	3.407638	3.453368	4.007485	4.483509	4.795435	4.805875
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
0.030353	0.028877	0.02665	0.026836	0.025561	0.037925	0.032047	0.0295	0.032328	0.030816	0.035106
8028.675	8565.3	8760.15	8583.3	8594.55	8658.675	8188.875	8734.5	8883.225	8548.2	8163
21.817051	21.850255	21.900375	21.896173	21.924872	21.646687	21.778922	21.781795	21.77261	21.806632	21.710106
8280	8820	9000	8820	8820	9000	8460	9000	9180	8820	8460
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5	22.5

	10.4		2.74	3.07	6.23				3.32	5.01

0.035163	0.02903	0.02945	0.029336	0.030331	0.028175	0.025452	0.028975	0.023039	0.022372	0.032712
2955.4938	4310.32278	4244.76654	6315.25112	3927.91138	5594.13248	174.81664	409.7265	43.70416	23299.7803	18628.8982
10888.068	14044.5562	14881.6175	22492.4545	13959.3842	18958.6228	625.61972	1519.25875	200.059491	91472.6783	69813.1162
1.875648	1.283829	1.516209	2.52051	2.013861	1.650764	0.208167	0.713272	0.232379	3.270445	3.028408
98.416007	648.890188	782.526036	2751.49922	1296.89706	1265.80941	113.586287	20.009481	4.040331	4477.18767	2649.9465
20593.48	22075.96	22516.76	22069	22046.38	22546.34	21252.94	22527.78	23118.8	22227.34	21094.6
55.960543	56.316224	56.2919	56.298469	56.240765	56.36585	56.523776	56.179002	56.663725	56.702397	56.102659
21344	22736	23200	22736	22736	23200	21808	23200	23664	22736	21808
58	58	58	58	58	58	58	57.855361	58	58	58
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
21.599414	15.235987	17.815248	29.238418	23.474634	19.28472	2.478163	8.194372	2.644232	37.441636	34.710605
21.599414	15.235987	17.815248	29.238418	23.474634	19.28472	2.478163	8.194372	2.644232	37.441636	34.710605
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
14886.745	20481.2867	22010.3769	33776.4722	20210.6793	28647.3846	873.236162	1965.02084	247.822672	129459.109	104138.238
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.2421	19095.0176
14886.745	20481.2867	22010.3769	33776.4722	20210.6793	28647.3846	873.236162	1965.02084	247.822672	129459.109	104138.238
163.93	127.29	157.34	259.39	216.49	126.5	135.59	133.34	110.01	262.2	242.95
12832.616	14871.7312	14865.8576	15430.5149	11497.4583	18174.7917	273.95227	1763.90019	218.917635	89094.9777	72976.0608
14402.735	17487.3557	18003.0218	18730.6696	13356.8069	21924.4607	289.675909	1864.80019	223.712173	104173.593	89211.2593
28.567441	20.097335	21.556992	27.761637	23.189211	24.096704	1.023997	10.309223	2.471044	42.498417	41.943936
303.33133	388.728377	367.580476	378.357777	279.330536	459.531061	6.500727	41.375625	4.211044	1998.36422	1696.45946
41.434235	39.118346	41.249986	41.475393	41.094586	40.453296	42.655347	45.35589	54.901166	46.748032	44.981279
4.972108	10.094458	13.956041	28.153906	20.532373	15.341612	2.506824	1.360676	1.647034	38.224869	30.996232
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
0.852663	1.167397	1.12665	1.710408	1.063826	1.4848	0.049361	0.108478	0.011372	6.310459	5.260106
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.2421	19095.0176
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.2421	19095.0176
10.448668	68.891622	83.079523	292.122222	137.689463	134.388938	12.059272	2.124374	0.428955	475.335775	281.340535
425.78895	2639.15829	3418.69516	12121.5081	5626.60116	5309.61459	497.35845	94.143953	23.407255	21489.8896	12067.1594
4.59	5.15	4.69	5.91	4.53	6.08	0.22	0.73	0.08	27.49	19.35
-1628.341	-2970.3973	-3725.8242	-6224.4493	-3086.6198	-5162.9783	-101.92544	-106.97669	-5.497781	-18874.242	-19095.018
-16031.08	-20457.753	-21728.846	-24955.119	-16443.427	-27087.439	-391.60135	-1971.7769	-229.20996	-123047.84	-108306.28
0.02	0.49	0.35	1.34	0.64	0.47	0.06	0.02		2.6	1.19
997.0249	1435.5813	1754.7481	3066.7741	1811.2982	2069.8661	57.5671	165.4412	21.1413	10549.1746	7988.559
0.1	0.17	0.14	0.2	0.17	0.29	0.02	0.04	0.02	0.91	0.6

38.951	66.2167	54.5314	77.902	66.2167	112.9579	7.7902	15.5804	7.7902	361.543	238.38
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
10888.068	14044.5562	14881.6175	22492.4545	13959.3842	18958.6228	625.61972	1519.25875	200.059491	91472.6783	69813.1162
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
38.951	66.2167	54.5314	77.902	66.2167	112.9579	7.7902	15.5804	7.7902	361.543	238.38
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
2331.3854	3400.1166	3348.4038	4981.6664	3098.4586	4412.8256	137.9008	323.205	34.4752	18750.646	14991.724

11.169292	11.299768	11.344918	11.260323	11.305482	11.272681		11.279351	11.243621	10.830021	10.890884
0.524176	0.476799	0.458326	0.483267	0.471307	0.495528		0.471913	0.490591	0.752839	0.706949
0.503126	0.459962	0.442023	0.467068	0.454742	0.390784		0.457291	0.473772	0.726412	0.681402
357972.73	527661.8	537035.773	579671.53	555612.088	412328.045		512353.971	597649.503	731677.559	643125.494
2033.5179	3032.62575	2912.47412	2540.85061	2551.84128	2319.2718		2508.57669	2471.94019	3017.98217	2770.14496
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
0.041086	0.03602	0.036375	0.034693	0.036326	0.037525	0.037845	0.03135	0.035122	0.035408	0.036968
228827.01	225405.589	222204.845	228490.342	223299.703	194629.482		228691.616	240911.783	339913.752	307544.971
227823.96	222814.835	220204.247	226636.837	221470.596	192312.776		226946.916	239158.916	342891.431	310078.54
2.476	2.476	2.476	2.476	2.476	2.476		2.476	2.476	2.546699	2.5467
340036.93	334952.706	330196.399	339536.648	331823.359	289219.41		339835.742	357994.91	522345.463	472604.357
39169.68	41944.68	42784.95	42002.4	41931.36	35001.63	104.34	43008.06	43697.37	41971.32	40193.1
106.43935	107.001734	106.962375	107.148979	106.967755	87.504075	0.2775	107.252019	107.101397	107.069693	106.896542
40848	43512	44400	43512	43512	44400	41736	44400	45288	43512	41736
111	111	111	111	111	111	111	110.723192	111	111	111
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
29.479698	29.829301	29.921882	29.680316	29.777695	29.726925		29.676974	29.639809	29.323162	29.435784
29.078488	29.410943	29.519129	29.307112	29.418922	29.344081		29.35428	29.26521	29.042378	29.19745
604984.12	594121.659	585899.539	602143.767	588272.02	512200.907	7058.46	601974.392	635270.085	919502.626	830024.704
484641.26	386150.588	385322.472	447018.062	415702.923	349906.152		432949.591	472259.664	1147396.1	962207.409
-120342.9	-207971.07	-200577.07	-155125.71	-172569.1	-162294.76	-7058.46	-169024.8	-163010.42	227893.477	132182.705
484641.26	386150.588	385322.472	447018.062	415702.923	349906.152		432949.591	472259.664	1147396.1	962207.409
352.88	377.88	385.45	378.4	377.76	315.33	0.94	387.46	393.67	378.12	362.1
239277.12	58725.5889	41429.8556	15563.9575	25976.9223	94015.8425		83463.0417	30186.6719	179706.527	181078.369
256685.64	68339.4297	47098.5313	17923.1514	29133.1251	104036.189		91424.9802	32802.51	252861.56	250357.837

49.970011	27.642598	26.849697	19.797303	26.000297	31.382216		42.424722	24.442689	31.120756	34.299808
8479.5316	2128.75399	1484.84441	559.624279	930.857097	3387.2156		2986.3858	1084.59242	6337.99706	6391.26135
20.66291	15.587904	16.40055	17.619454	17.608273	16.207753		18.566109	19.364581	25.209837	23.608974
18.519326	15.420554	16.118582	17.592279	17.551602	15.163704		18.329433	19.315068	25.136509	23.508963
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
55.847065	51.055816	49.064655	51.844586	50.476408	43.3771		50.632778	52.588696	80.631801	75.635686
-239950.7	-325790.57	-316723.54	-274557.61	-289287.85	-264027.59	-7058.46	-288561.91	-288935.01	50220.5587	-28571.051
-239950.7	-325790.57	-316723.54	-274557.61	-289287.85	-264027.59	-7058.46	-288561.91	-288935.01	50220.5587	-28571.051
12072.188	17885.126	18141.0176	19763.4537	18855.8949	13963.6244		17317.3582	20371.5956	25269.6689	22047.7567
357972.73	527661.8	537035.773	579671.53	555612.088	412328.045		512353.971	597649.503	731677.559	643125.494
133.44	45.06	35.71	21.87	29.71	60.64		64.36	40.81	147.52	133.99
120342.87	207971.071	200577.066	155125.705	172569.097	162294.756	7058.46	169024.801	163010.421	-227893.48	-132182.71
-136342.8	139631.641	153478.535	137202.554	143435.972	58258.5663	7058.46	77599.8211	130207.911	-480755.04	-382540.54
189.81	313.09	328.35	333.66	331.23	230.17		306.33	341.66	178.96	185.75
					0.1825	0.99734				
59930.882	63676.5878	69650.3984	82978.5641	79776.8992	54500.8862		75891.2182	92165.9757	88316.9939	81359.2611
1.03	1.03	0.99	0.92	0.89	0.78	0.94	0.82	0.99	1.06	0.76
7734.27	7734.27	7433.91	6908.28	6683.01	5857.02	7058.46	6157.38	7433.91	8118.54	5820.84
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.54	990778.46
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.54	990778.46
567860.89	557767.541	550400.646	566173.486	553293.955	481532.186		566782.658	597153.826	865236.894	782682.897
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
7734.27	7734.27	7433.91	6908.28	6683.01	5857.02	7058.46	6157.38	7433.91	8118.54	5820.84
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.54	990778.46
29388.96	28619.8484	28064.9827	29062.0015	28295.0554	24811.7012		29034.3539	30682.3488	46147.1924	41520.9663
12.69	0.46	2.65			7.73		0.05			
0.024429	0.027933	0.0425	0.024948	0.032244	0.036425	0.027021	0.025025	0.044828	0.02602	0.029042

1077.03	1143.15	1149	1146.66	1138.08	1156.29	1097.52	1169.97	1169.13	1145.4	1095.24
2.926711	2.916198	2.8725	2.925153	2.903265	2.890725	2.918936	2.91763	2.865514	2.921938	2.912872
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1128
3	3	3	3	3	3	3	2.992518	3	3	3

11.772411		12.036038	11.953258	12.008427	12.084636	12.051604	11.9375	11.824193	11.338286	11.388704
0.594446		0.489909	0.535781	0.52266	0.513061	0.512923	0.535663	0.560204	0.821532	0.783742
0.563168		0.234648	0.516072	0.497427	0.411686	0.491744	0.505179	0.474357	0.786852	0.746554
208089.62		105148.85	226298.826	218936.085	179980.295	205035.458	225321.425	214319.435	292156.196	266857.608
1180.0987		522.94356	989.134164	1004.04241	1051.80471	1156.63113	1101.81189	881.066962	1214.0062	1157.59397
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
0.051277	0.052551	0.048275	0.037729	0.046989	0.0494	0.041941	0.05575	0.044411	0.042984	0.048191
104302.12		48301.5035	103707.087	100350.916	84638.7946	95465.4904	103399.542	98136.7627	148818.352	136001.41
103747.95		47893.791	102938.412	99623.5595	83515.6573	94875.5092	102571.039	97500.8519	150277.663	137246.408
2.1015		2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	1.8787	1.8787
115931.81		53687.1212	115270.427	111540.043	94076.0202	106109.893	114928.591	109079.012	129278.503	118144.424
14973.03		8214.72	16220.03	16023.09	13789.24	15489.89	16200.68	14836.72	16131.45	15388.84
40.687581		20.5368	41.377627	40.875229	34.4731	41.196515	40.400698	36.364509	41.151658	40.927765
15824	16856	17200	16856	16856	17200	16168	17200	17544	16856	16168
43	43	43	43	43	43	43	42.892768	43	43	43
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
26.280947		27.808599	26.539942	26.681448	27.539048	26.807671	26.679773	26.721178	22.614648	22.823822
25.663156		26.223883	26.04381	26.158394	26.333848	26.24737	26.010974	25.77209	22.252185	22.347194
232944.6		111239.977	230273.05	223084.111	192014.038	212465.045	231003.248	221822.176	296285.672	271934.211
203846.78		83605.3694	188011.134	173139.547	133801.596	154746.324	181396.115	181790.56	458201.923	385734.511
-29097.82		-27634.608	-42261.916	-49944.564	-58212.441	-57718.722	-49607.133	-40031.616	161916.251	113800.3
203846.78		83605.3694	188011.134	173139.547	133801.596	154746.324	181396.115	181790.56	458201.923	385734.511
348.21		191.04	377.21	372.56	320.68	360.23	376.58	345.04	375.15	357.88
19877.909		185.505151		25.232998	4196.72138	3343.93684	259.050228			
23084.719		193.976195		24.705289	4841.61546	3592.48892	271.607597			
15.52726		2.034166		0.147852	8.463006	8.937666	2.016949			
816.12099		7.595836		0.969562	176.75963	135.557822	10.658607			
22.092595		17.685488	17.522906	16.825241	14.58406	17.651346	16.92217	19.381034	27.157825	26.997979
20.864139		11.829182	13.667867	12.617754	14.566845	17.644868	16.907071	15.117207	8.418926	5.669575
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
24.21625		10.0899	22.191096	21.389387	17.702525	21.145026	21.668528	20.397352	33.834668	32.101835
-83616.54		-52881.804	-96469.61	-102397.99	-102453.14	-107618.53	-103654.07	-91327.702	84128.8982	42712.3632
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8095.459		4028.36416	8698.91	8383.67044	6904.25037	7814.97218	8678.42139	8322.12	13263.19	12070.29
208089.62		105148.85	226298.826	218936.085	179980.295	205035.458	225321.425	214319.435	292156.196	266857.608
3.45		0.09			2.56	10.92	0.19			
29097.815		27634.6081	42261.9157	49944.5642	58212.4415	57718.7217	49607.1325	40031.6159	-161916.25	-113800.3
6013.096		27440.6319	42261.9157	49919.8589	53370.826	54126.2328	49335.5249	40031.6159	-161916.25	-113800.3
19.82		10.44	22.67	21.4	75.55	328.91	24.91	19.31	3.46	2.01
0.002717	1	0.4975		0.002551	0.1575		0.0025	0.115196		
58453.33		34569.2516	82438.395	77772.4144	51601.356	61485.4648	73323.2948	78938.4235	87346.3803	78965.0607
1.34		1.59	1.07	1.11	2.11	1.1	1.46	2.02	1.09	1.34
4977.0655		5905.62252	3974.22396	4122.79308	7837.02108	4085.6508	5422.77288	7502.74056	4129.4759	5076.6034
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.025	343022.148
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.025	343022.148
219679.76		101580.912	218208.839	211163.603	177591.678	200985.402	217499.631	206579.864	279556.165	255390.832
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
4977.0655		5905.62252	3974.22396	4122.79308	7837.02108	4085.6508	5422.77288	7502.74056	4129.4759	5076.6034
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.025	343022.148
8287.7694		3753.4428	8089.9863	7797.7152	6585.3393	7393.9929	8080.8444	7739.5716	12600.0305	11466.7755

0.031114	0.025357	0.031425	0.044693	0.018622	0.024775	0.029468	0.031225	0.023848	0.029438	0.030372

1069.65	1146.18	1162.29	1123.44	1154.1	1170.27	1094.76	1162.53	1194.81	1141.38	1093.74
2.906657	2.923928	2.905725	2.865918	2.944132	2.925675	2.911595	2.899077	2.928455	2.911683	2.908882
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1128
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2.247115	2.392721	3.941803	6.485692	2.814952	2.823302	0.143333	9.40993	10.016141
0.001867	0.005399	0.005877	0.009722	0.004602	0.00824	0.00011	0.026985	0.031606
0.001793	0.005285	0.00583	0.009464	0.004566	0.00804	0.000095	0.026244	0.030329
	176.066629	108.199002	1399.60011	575.623089	480.317098	73.234507	1247.38522	1628.2581
	0.959473	0.461959	5.161825	2.120694	2.07379	0.419824	4.830816	6.546129

33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
0.033505	0.028507	0.0279	0.027869	0.025561	0.031912	0.027234	0.0317	0.027487	0.02454	0.033324
465	1468.4	1647.4	2632.7	1268.3	2283.6	25.8			7234	8077
1670.408	4700.44135	5768.69615	9376.44157	4550.79009	7719.54736	98.719424			25007.2399	27529.0144
0.578322	0.543293	0.962711	1.635182	0.71576	0.68503	0.038263			2.35708	2.528219
	54.625404	30.684665	386.31883	161.904376	142.363724	19.139599			347.010647	458.194718
17728.3	19014.7	19534.1	19025.7	19178.8	19332.2	18250.5	19392.7	19787.2	19072.2	18114.1
48.174728	48.506887	48.83525	48.534948	48.92551	48.3305	48.538563	48.360847	48.498039	48.653571	48.175797
18400	19600	20000	19600	19600	20000	18800	20000	20400	19600	18800
50	50	50	50	50	50	50	49.875311	50	50	50
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
9.35279	10.64914	20.152192	36.502122	14.91781	17.038766	1.196763			45.211351	54.253591
8.145695	7.670184	13.593309	23.149691	10.086574	9.722852	0.549619			33.471095	36.032199
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1842.5854	5455.72579	6616.05286	11077.457	5257.7966	9207.6149	122.965512			28443.4958	32735.4275
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.22182	5032.14308
1842.5854	5455.72579	6616.05286	11077.457	5257.7966	9207.6149	122.965512			28443.4958	32735.4275
143.49	203.6	232.57	366.82	269.65	167.38	129.93	84.78	72.49	301.13	315.96
1675.717	4543.15472	5678.54415	8018.87146	3984.822	7284.01626	25.696917			23994.8887	26075.0263
1842.5854	5267.06869	6495.64485	9474.872	4572.9781	8610.99434	29.5004			27043.8212	30819.8522
3.3	3.443281	6.076303	9.142628	4.132188	4.547414	0.07911			14.06492	15.44228
33	99.698185	114.408238	158.022971	77.935401	150.722219	0.432885			489.634629	537.700695
	43.766906	49.900751	51.821096	50.300754	49.07756	53.56868			53.601524	49.171404
	1.750676	2.994045	10.88243	4.527067	2.944653	0.535686			13.27219	11.801137
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
0.089673	0.264285	0.2915	0.473214	0.228316	0.402	0.004787			1.312244	1.516489
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.22182	5032.14308
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.22182	5032.14308
	3.901814	2.191761	27.477028	11.564598	10.07778	1.367114			24.76537	32.499304
	176.066629	108.199002	1399.60011	575.623089	480.317098	73.234507			1247.38522	1628.2581
0.6	1.45	1.53	2.38	1.26	2.05	0.02			6.86	7.75
-166.8684	-736.50444	-829.30971	-1658.9855	-697.35151	-1443.2815	-24.034087			-3201.2218	-5032.1431
-2009.454	-6003.5731	-7324.9546	-11133.857	-5270.3296	-10054.276	-53.534487			-30245.043	-35851.995
	0.02		0.2	0.06	0.07				0.2	0.24
164.7957	551.374	750.5176	1478.7668	673.0947	987.1801	10.5061			3386.2279	3907.0508

0.01	0.02	0.03	0.06	0.01	0.06				0.46	0.25
4.249	12.42	12.747	29.416	4.249	33.338				223.37	140.358
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1670.408	4700.44135	5768.69615	9376.44157	4550.79009	7719.54736	98.719424			25007.2399	27529.0144
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
4.249	12.42	12.747	29.416	4.249	33.338				223.37	140.358
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1.06	6.36	5.3	12.614	5.406	11.448	0.212			11.664	33.912

0.019836	0.028622	0.034775	0.037806	0.04028	0.02335	0.022367	0.025575	0.038431	0.035714	0.031888

1442.8	1523.12	1544.36	1508.72	1504.84	1562.64	1470.36	1559.08	1569.28	1512	1456.04
3.920652	3.88551	3.8609	3.848775	3.838877	3.9066	3.910531	3.88798	3.846274	3.857142	3.872446
1472	1568	1600	1568	1568	1600	1504	1600	1632	1568	1504
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10.443003	10.707151	10.718721	10.576693	10.621568	10.712244	10.626104	10.545144	10.484965	10.246081	10.294387
0.480022	0.368172	0.345953	0.386435	0.37145	0.38766	0.369027	0.406652	0.43021	0.686133	0.651012
0.45152	0.262387	0.327036	0.367006	0.349121	0.365131	0.344655	0.386637	0.408253	0.651716	0.613724
234596.43	147405.91	189629.528	206845.79	197261.246	208339.192	186962.511	221364.56	237620.008	371132.188	335972.109
1335.4005	844.770984	998.216332	886.194068	891.014843	1188.1904	1052.13138	1075.567	974.930246	1539.75235	1458.84807
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
0.056983	0.065561	0.056625	0.0525	0.064438	0.05915	0.068377	0.05095	0.053357	0.05176	0.058484
100772.24	63508.0276	81482.7721	88770.4374	84593.9357	89964.7604	80141.1858	95068.8098	101871.22	151439.05	137268.958
100329.42	62632.2323	80905.1792	88342.9169	84340.4157	88400.3016	80009.7783	94437.7615	101587.972	152779.637	138153.508
2.2803	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.4044	2.4044
130026.42	81944.4081	105137.221	114540.495	109151.555	116081.53	103406.172	122667.285	131444.436	211166.611	191407.836
20282.632	16318.928	22112.71	21765.212	21490.964	22053.524	20526.994	22245.732	22633.078	21782.206	20744.986

55.115847	41.629918	55.281774	55.523499	54.823887	55.133809	54.593069	55.47564	55.47323	55.566852	55.172835
21564.8	22971.2	23440	22971.2	22971.2	23440	22033.6	23440	23908.8	22971.2	22033.6
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.599999
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
27.129623	31.584418	29.022559	27.994972	28.473929	28.826117	28.641863	27.15996	27.437921	27.147242	27.398351
24.279768	24.890404	24.909327	24.584436	24.683997	24.902088	24.693213	24.511561	24.374539	25.116797	25.233339
258183.55	179590.703	216266.396	231950.502	223208.398	233609.128	212595.307	242594.048	263061.696	395020.422	357534.399
246677.07	134717.89	170373.728	206587.212	188335.275	194698.391	165174.764	210761.05	232214.808	557477.392	470104.475
-11506.48	-44872.813	-45892.668	-25363.29	-34873.123	-38910.738	-47420.544	-31832.998	-30846.888	162456.969	112570.076
246677.07	134717.89	170373.728	206587.212	188335.275	194698.391	165174.764	210761.05	232214.808	557477.392	470104.475
345.89	278.48	377.35	371.42	366.74	376.34	350.29	379.62	386.23	371.71	354.01
335.77163	3.585318	15.764095			165.224298	22.620042				80.065336
359.64501	5.527792	16.851806			183.669729	20.926939				128.053123
4.079802	0.022658	0.197144			2.277567	0.908874				0.464843
13.955045	0.159622	0.667321			6.996323	0.908874				3.237595
22.940578	16.654864	16.301843	22.412482	20.513342	19.346346	19.655098	20.535127	20.092496	29.279251	26.514151
18.216557	12.15805	11.73177	12.10274	8.41047	14.647214	19.452627	10.883617	10.448098	22.837816	21.741017
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
26.459114	15.375892	19.16432	21.506607	20.458505	21.396725	20.196813	22.600483	23.923656	38.190586	35.964265
-64180.13	-78068.459	-88483.713	-71763.597	-79090.373	-85935.318	-89310.342	-81525.465	-84094.975	83299.7781	40819.591
-64180.13	-78068.459	-88483.713	-71763.597	-79090.373	-85935.318	-89310.342	-81525.465	-84094.975	83299.7781	40819.591
9722.999	6027.19038	7665.06068	8430.59	8019.734	8551.69368	7593.09313	9062.794	9760.852	14970.71	13519.3264
234596.43	147405.91	189629.528	206845.79	197261.246	208339.192	186962.511	221364.56	237620.008	371132.188	335972.109
0.07					0.13	0.08				0.03
11506.482	44872.8127	45892.6681	25363.2898	34873.123	38910.7375	47420.5437	31832.998	30846.8882	-162456.97	-112570.08
11146.837	44867.2849	45875.8163	25363.2898	34873.123	38727.0678	47399.6168	31832.998	30846.8882	-162456.97	-112698.13
2.68	14.25	12.13	1.81	1.74	10.54	31.25	2.52	5.23	19.08	19.64
0.002717	0.242346									
54848.843	42397.4561	63867.5587	76437.7832	71152.4269	58954.4475	55597.1498	70422.2474	83621.6314	80855.595	74131.7187
1.38	1.91	1.58	1.49	1.54	1.49	1.52	1.26	1.51	1.39	1.25
23251.344	32181.208	26621.104	25104.712	25947.152	25104.712	25610.176	21229.488	25441.688	23888.2342	21482.225
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.614	429284.884
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.614	429284.884
230355.84	144576.64	186042.4	202883.412	193491.971	204481.832	183415.95	217105.047	233032.408	363946.247	329561.343
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564

23251.344	32181.208	26621.104	25104.712	25947.152	25104.712	25610.176	21229.488	25441.688	23888.2342	21482.225
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.614	429284.884
4576.3684	2832.8545	3602.89216	3962.3773	3769.27498	4022.5843	3569.18094	4259.51318	4587.60044	7185.9408	6490.83072
1.05	1.95	3.45	5.1	2.25	2.55	0.15			7.35	9
0.000851	0.00408	0.004339	0.007878	0.003412	0.007061	0.000053			0.017726	0.025066
0.000815	0.004005	0.00425	0.00778	0.003265	0.006825	0.000053			0.017372	0.024175
			213.193349	29.282324	89.938133				110.892699	234.998355
			0.788106	0.109377	0.378318				0.424299	0.922877
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
0.034157	0.034489	0.02685	0.024464	0.035918	0.03565	0.029122	0.0207	0.019803	0.020637	0.033457
63	329.7	357	640.5	268.8	573.3	4.2			1430.1	1908.9
226.64449	1054.56679	1250.00964	2282.05554	969.602674	1933.16738	16.070604			4850.06515	6380.82296
0.260422	0.421519	0.795754	1.213646	0.530934	0.583582	0.038263			1.670533	2.089654
			58.07422	8.392691	27.345681				30.694244	63.910613
4976.02	5298.72	5449.64	5353.74	5290.88	5400.36	5110.7	5484.08	5598.88	5374.74	5087.88
13.521793	13.517142	13.6241	13.6575	13.497142	13.5009	13.592287	13.676009	13.722745	13.711071	13.531595
5152	5488	5600	5488	5488	5600	5264	5600	5712	5488	5264
14	14	14	14	14	14	14	13.965087	14	14	14
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
3.906331	6.322795	12.019648	18.422883	8.339012	9.292031	0.94895			27.509842	32.258425
3.906331	6.322795	12.019648	18.422883	8.339012	9.292031	0.94895			27.509842	32.258425
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604			5133.56515	6538.32296
254.68754	1217.49223	1412.97495	2657.09029	1115.73012	2263.70979	18.542416			5489.04913	7556.35537
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187			355.483975	1018.03241
254.68754	1217.49223	1412.97495	2657.09029	1115.73012	2263.70979	18.542416			5489.04913	7556.35537
87.1	140.07	154.09	178	121.11	79.67	70.91	64.37	61.75	156.06	171.06
226.64449	1054.56679	1260.50964	2089.86219	950.820349	1885.22925	26.570604			5022.67245	6303.3246
254.68754	1217.49223	1412.97495	2419.06405	1084.58015	2154.99488	18.542416			5370.84816	7280.08655
0.98	1.82	3.22	4.739189	2.092672	2.353559	0.14			6.658548	8.341065
4.2	21.98	23.8	38.828385	17.360487	36.396954	0.28			93.293717	122.999292
			57.554033	52.942313	52.425459				59.717262	51.138258
			5.755403	1.588269	1.572763				2.747995	5.625208
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26

0.011413	0.056071	0.0595	0.108928	0.045714	0.09555	0.000744				0.243214	0.338457
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187				355.483975	1018.03241
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187				355.483975	1018.03241
			3.871614	0.559512	1.823045					2.046282	4.260707
			213.193349	29.282324	89.938133					110.892699	234.998355
0.2	0.97	1.26	1.68	0.76	1.63	0.02				5.65	5.86
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			0.19	0.03	0.05					0.07	0.09
55.0873	284.5324	387.934	819.0162	327.6034	557.0257	3.4714				1689.8144	2136.4033
		0.01	0.02	0.01	0.04	0.01				0.27	0.15
		10.5	21	10.5	42	10.5				283.5	157.5
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604				5133.56515	6538.32296
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604				5133.56515	6538.32296
226.64449	1054.56679	1250.00964	2282.05554	969.602674	1933.16738	16.070604				4850.06515	6380.82296
4.2	21.98	23.8	42.7	17.92	38.22	0.28				95.34	127.26
		10.5	21	10.5	42	10.5				283.5	157.5
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604				5133.56515	6538.32296

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801084.58	677882.935	835341.045	1026550.45	978040.925	806527.402	392568.562	959134.099	1049612.35	1417814.11	1259885.63	
4551.3011	3892.87714	4448.63346	4466.53503	4470.63413	4587.443	2211.93476	4686.34775	4328.0199	5862.0071	5444.24507	
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132	
0.035583	0.035041	0.035338	0.033522	0.034712	0.036018	0.033464	0.03295	0.033649	0.031294	0.036624	
437384.86	295022.04	358238.287	430556.318	413709.566	377684.069	175811.493	427569.695	440963.471	672135.034	609430.137	
444686.46	305246.632	370903.54	452069.118	424914.348	392840.072	175625.697	425474.976	438447.799	767278.714	689201.41	
2.34994	2.448097	2.396608	2.366798	2.357174	2.36271	2.183486	2.343369	2.347892	2.41734	2.409137	
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129341.3	117030.738	133228.68	138798.202	138353.044	130671.169	92586.879	141485.112	142488.493	138906.236	132431.526	
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367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
117.74881	93.621643	136.74013	168.378656	131.664531	131.70761	60.073412	91.711081	86.443141	189.247883	200.88058
27.245567	28.597312	28.211317	27.832149	27.809536	27.861774	25.517922	27.46262	27.333647	27.403113	27.448973
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1441.5	1137.72	1497.84	1933.98	1727.38	1392.13	1047.89	1426.15	1369.19	1847.69	1808.97
274225.78	79198.6269	63436.0362	41103.206	42435.256	125721.825	3692.77667	85485.9922	30405.5895	297819.066	286512.846
296630.02	92316.874	73221.0009	48547.757	48172.1955	141751.924	3951.13458	93561.388	33026.2221	389449.823	377797.088
15.103502	9.411525	9.430086	10.083341	8.527772	11.095411	1.861459	13.687723	6.728433	15.486794	16.56203
9650.139	2639.32018	1998.89629	1134.83341	1306.45309	4217.62179	143.68031	3038.42003	1088.80347	8919.28963	8751.6584
22.0531	17.831443	19.465261	25.381437	22.117564	18.038266	19.157616	18.329133	19.935305	32.926483	30.031632
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39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
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801084.58	677882.935	835341.045	1026550.45	978040.925	806527.402	392568.562	959134.099	1049612.35	1417814.11	1259885.63
142.35	52.63	43.28	31.84	36.26	73.09	11.26	65.28	40.89	187.52	166.98
159123.91	248974.057	269396.743	214513.441	253467.186	252523.132	112079.794	250357.955	233883.428	-574697.65	-383698.27
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212.33	327.85	351.27	359.87	355.1	316.85	360.22	333.78	366.2	204.37	208.92
0.000494	0.11294	0.045227		0.000231	0.030909	0.090667	0.000227	0.010472		
174449.96	108345.532	170980.408	247219.299	231513.737	168670.762	117154.159	219802.202	254747.172	272144.186	248488.054
3.86	3.13	4.34	3.76	3.73	4.77	3.59	3.58	4.54	5.18	4.35
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
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39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
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44585.543	34859.1795	38775.0214	46108.6455	42965.9101	39843.8984	11101.2866	41697.9165	43043.9961	84695.4737	74504.2085
12.69	0.46	2.65			7.73		0.05			
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
723.56614	1500.26893	1729.76799	2339.723	2307.74329	1313.78727	2724.54487	1803.84918	2529.84838	1178.93751	1192.23645
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64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
210.05	338.23	352.87	359.36	355.05	317.44	364.17	333.93	366.16	202.66	207.74
106.56647	132.217236	157.863458	190.312688	181.603919	148.202345	146.905662	147.35923	181.334999	161.681485	157.270422
37.938915	58.320838	61.801149	91.575075	88.088137	59.084387	80.834656	68.474261	95.722728	67.215323	71.885991
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1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
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1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
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1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
723.56614	1500.26893	1729.76799	2339.723	2307.74329	1313.78727	2724.54487	1803.84918	2529.84838	1178.93751	1192.23645
-64667.47	-68238.156	-74464.451	-88768.168	-85041.515	-69903.316	-66689.204	-81597.947	-98298.264	-94502.396	-86889.195
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
210.05	338.23	352.87	359.36	355.05	317.44	364.17	333.93	366.16	202.66	207.74
106.56647	132.217236	157.863458	190.312688	181.603919	148.202345	146.905662	147.35923	181.334999	161.681485	157.270422
37.938915	58.320838	61.801149	91.575075	88.088137	59.084387	80.834656	68.474261	95.722728	67.215323	71.885991

8218.0826	19895.1849	22093.7001	33127.5789	31522.674	19251.4102	29550.2657	23087.9182	35360.1953	15336.5923	16250.0111
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-20.55964	-16.271321	-17.539286	-19.345701	-18.74947	-16.478289	-17.972672	-18.996087	-19.834576	-31.978665	-29.053151
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1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1458441	1373337.86	1639506.24	2254696.06	2101690.08	1387219.09	1687207.81	1919809.92	2560837.92	3308722.28	2803797.19
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59

252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238292.214	254025.988	241739.756
1445.4425	1415.45543	1124.93384	711.238407	725.51412	1168.36732	1192.21455	1134.93433	995.3398	1059.06352	1051.03132
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354
172423.19	132502.534	114865.661	98021.7132	94695.34	107654.791	125520.546	144719.418	156826.747	270458.712	222029.664
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354
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8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8011.8975	8094.15779	7688.92354
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238292.214	254025.988	241739.756
80088.721	112823.365	89049.8822	60380.3827	60599.1344	92600.8994	84330.9367	85310.2641	82075.7566	-1854.6935	19710.0917
80088.721	112823.365	89049.8822	60380.3827	60599.1344	92600.8994	84330.9367	85310.2641	82075.7566	-1854.6935	19710.0917
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354

252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354
172423.19	132502.534	114865.661	98021.7132	94695.34	107654.791	125520.546	144719.418	156826.747	270458.712	222029.664
-80088.72	-112823.36	-89049.882	-60380.383	-60599.134	-92600.899	-84330.937	-85310.264	-82075.757	1854.69349	-19710.092
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	243848.499	256398.793	243868.25
1477.1662	1447.74046	1152.81841	726.687301	741.542334	1196.20801	1221.21305	1161.30528	1018.62318	1068.96	1060.26998
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
193573.86	148850.537	129194.448	110064.829	106317.547	121020.838	141169.381	162620.003	176231.517	303906.449	249456.836
20.371075	15.754044	15.675736	15.692825	16.355835	17.679075	16.164475	18.732527	18.955501	49.710432	36.236188
2.85195	10.082588	3.291904	0.470784	1.308466	3.889396	4.849342	1.685927	1.705995	1.491312	0.724723
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
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9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9004.38429	9095.51109	8638.62027
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	243848.499	256398.793	243868.25
64501.53	102075.631	79743.6758	51792.291	52411.5031	83995.8634	73759.5039	72749.8015	68242.7994	-32688.719	-5588.5862
64501.53	102075.631	79743.6758	51792.291	52411.5031	83995.8634	73759.5039	72749.8015	68242.7994	-32688.719	-5588.5862
0.63	11.06	2.8	0.29	0.64	2.33	4.52	0.89	0.91	0.11	0.1
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
193573.86	148850.537	129194.448	110064.829	106317.547	121020.838	141169.381	162620.003	176231.517	303906.449	249456.836
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208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
1198.3406	952.035469	1147.43278	923.737605	922.770617	932.0256	725.064355	746.296585	770.968318	768.479912	781.75806

4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
80704.163	50748.5732	67644.8941	72940.2841	70105.2469	48810.9052	43444.0947	54682.7525	69996.755	112851.221	100383.502
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
11.064199	8.214026	10.178011	10.262936	9.866053	7.785064	6.596856	7.358799	8.845185	9.203149	9.328717
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4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
127885.21	114206.811	140922.919	133161.653	128026.426	110720.627	83627.726	96490.7576	114883.89	71967.9081	79310.7239
127885.21	114206.811	140922.919	133161.653	128026.426	110720.627	83627.726	96490.7576	114883.89	71967.9081	79310.7239
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	75865.1219	98298.264	94502.3961	86889.1949
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
80704.163	50748.5732	67644.8941	72940.2841	70105.2469	48810.9052	43444.0947	54682.7525	69996.755	112851.221	100383.502
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208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	256330.89	296861.234	193987.536
1701.9392	1392.82571	1407.28202	931.013216	983.527836	1429.09052	1611.58439	1339.09826	1079.95773	1247.26397	847.844411
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.22796	2848.56881
88657.922	56897.8877	61431.9378	53550.9602	55299.4214	57048.482	74300.5361	75122.9917	73656.3429	141112.24	81341.4371
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4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3857.95483	4362.78379	2848.56881
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207392.65	183803.247	191547.348	152271.157	154585.303	186633.183	207671.649	195428.329	183468.713	173031.487	112646.099

207392.65	183803.247	191547.348	152271.157	154585.303	186633.183	207671.649	195428.329	183468.713	173031.487	112646.099
64667.472	68238.1557	74320.1588	87751.9685	85041.5154	69655.3663	66689.2037	81597.9469	97649.2643	93865.8922	85366.5491
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.22796	2848.56881
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.22796	2848.56881
88657.922	56897.8877	61431.9378	53550.9602	55299.4214	57048.482	74300.5361	75122.9917	73656.3429	141112.24	81341.4371
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296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	923352.249	992105.144	859289.768
5822.8886	5208.05707	4832.46705	3292.67653	3373.35491	4725.69146	4750.07634	4381.63447	3864.88903	4143.7674	3740.90378
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
535359.14	388999.531	373136.941	334577.786	326417.556	334535.016	384434.558	437145.165	476711.362	828328.623	653211.439
20.371075	15.754044	15.675736	15.692825	16.355835	17.679075	16.164475	18.732527	18.955501	49.710432	36.236188
2.85195	10.082588	3.291904	0.470784	1.308466	3.889396	4.849342	1.685927	1.705995	1.491312	0.724723
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
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26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24483.0722	25160.0874	22683.7102
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	923352.249	992105.144	859289.768
479868.11	512909.053	501263.826	397605.483	395622.366	473950.573	449389.816	449979.153	448671.159	210455.983	206078.328
479868.11	512909.053	501263.826	397605.483	395622.366	473950.573	449389.816	449979.153	448671.159	210455.983	206078.328
0.63	11.06	2.8	0.29	0.64	2.33	4.52	0.89	0.91	0.11	0.1
258669.89	272952.623	297713.51	354056.473	340166.062	279365.313	266756.815	320658.963	392544.056	377373.081	346034.134
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
535359.14	388999.531	373136.941	334577.786	326417.556	334535.016	384434.558	437145.165	476711.362	828328.623	653211.439

-479868.1	-512909.05	-501263.83	-397605.48	-395622.37	-473950.57	-449389.82	-449979.15	-448671.16	-210455.98	-206078.33
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
11.118066	11.149406	11.269129	11.257356	11.307087	11.29535	11.363908	11.252645	11.178867	10.789688	10.857888
0.305805	0.227534	0.239449	0.276198	0.265227	0.258721	0.168071	0.26915	0.277384	0.452891	0.428261
0.29277	0.185016	0.217369	0.266507	0.25514	0.23007	0.112766	0.25946	0.264018	0.437273	0.410833
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1945718.3	1842823.86	2042170.26	2294408.09	2205945.71	1849383.15	1715206.54	2216551.33	2584684.41	2696026.85	2397041.99
11097.756	10601.2031	11010.8685	10098.9346	10151.7323	10626.9217	9686.55598	10871.8314	10722.7573	11184.712	10377.3853
1432.0564	-17255.865	-20094.804	-31992.745	-30216.221	-15033.788	-29406.585	-20049.498	-34217.097	-5152.2949	-7498.3527
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
0.035583	0.035041	0.035338	0.033522	0.034712	0.036018	0.033464	0.03295	0.033649	0.031294	0.036624
437384.86	295022.04	358238.287	430556.318	413709.566	377684.069	175811.493	427569.695	440963.471	672135.034	609430.137
444686.46	305246.632	370903.54	452069.118	424914.348	392840.072	175625.697	425474.976	438447.799	767278.714	689201.41
2.34994	2.448097	2.396608	2.366798	2.357174	2.36271	2.183486	2.343369	2.347892	2.41734	2.409137
585995.16	416897.114	489020.741	569347.571	552514.957	499376.961	209516.065	577431.619	598518.357	862790.576	782156.617
98.416007	703.515593	813.210702	3195.89227	1467.19413	1435.51882	132.725887	20.009481	4.040331	4854.89256	3172.05184
129341.3	117030.738	133228.68	138798.202	138353.044	130671.169	92586.879	141485.112	142488.493	138906.236	132431.526
351.47092	298.547801	333.0717	354.077045	352.941438	326.677922	246.241699	352.830703	349.236502	354.352642	352.211505
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	138029.6
367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
117.74881	93.621643	136.74013	168.378656	131.664531	131.70761	60.073412	91.711081	86.443141	189.247883	200.88058
27.245567	28.597312	28.211317	27.832149	27.809536	27.861774	25.517922	27.46262	27.333647	27.403113	27.448973
1111273	796997.04	938737.718	1103640.87	1057229.14	971047.98	433015.625	1077429.73	1120396.28	1751769.43	1578778.14
952149.12	548022.983	669340.975	889127.427	803761.951	718524.848	320935.831	827071.777	886512.854	2326467.07	1962476.42
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
-159123.9	-248974.06	-269396.74	-214513.44	-253467.19	-252523.13	-112079.79	-250357.96	-233883.43	574697.645	383698.274
1487508.3	937022.514	1042477.92	1223705.21	1130179.51	1053059.86	705370.39	1264216.94	1363224.22	3154795.69	2615687.85
1441.5	1137.72	1497.84	1933.98	1727.38	1392.13	1047.89	1426.15	1369.19	1847.69	1808.97
274225.78	79198.6269	63436.0362	41103.206	42435.256	125721.825	3692.77667	85485.9922	30405.5895	297819.066	286512.846
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594

210.05	338.23	352.87	359.36	355.05	317.44	364.17	333.93	366.16	202.66	207.74
106.56647	132.217236	157.863458	190.312688	181.603919	148.202345	146.905662	147.35923	181.334999	161.681485	157.270422
3.161576	5.301894	5.150095	7.631256	7.340678	4.923698	7.348605	7.608251	10.635858	5.601276	5.990499
8,218.08	19,895.18	22,093.70	33,127.58	31,522.67	19,251.41	29,550.27	23,087.92	35,360.20	15,336.59	16,250.01
296630.02	92316.874	73221.0009	48547.757	48172.1955	141751.924	3951.13458	93561.388	33026.2221	389449.823	377797.088
8.810376	5.133559	5.500884	5.881948	4.974534	6.472323	1.015341	6.083432	2.990414	9.033963	9.661184
9,650.14	2,639.32	1,998.90	1,134.83	1,306.45	4,217.62	143.68	3,038.42	1,088.80	8,919.29	8,751.66
21.99485	17.429717	19.250575	25.340474	22.069361	17.982184	18.871499	18.350603	19.921019	32.994849	30.070421
21.049141	17.342017	19.109659	25.315956	22.039524	17.620661	18.853094	18.250225	19.896234	32.855192	30.019424
1432.0564	-17255.865	-20094.804	-31992.745	-30216.221	-15033.788	-29406.585	-20049.498	-34217.097	-5152.2949	-7498.3527
3.891457	-44.020063	-50.237009	-81.614146	-77.082196	-37.584471	-78.209003	-49.998748	-83.865432	-13.143609	-19.942427
-5199737	-5224086	-5527929.4	-5752062.7	-5659186.4	-5338527.1	-4921887.4	-5739337	-6193812.4	-6248946.4	-5774962.6
-80.42918	-76.563421	-74.275817	-64.835034	-66.573131	-76.411974	-73.820883	-70.35345	-63.036538	-66.144927	-66.483113
-5199737	-5224086	-5527929.4	-5752062.7	-5659186.4	-5338527.1	-4921887.4	-5739337	-6193812.4	-6248946.4	-5774962.6
56449.389	48342.9708	52370.7504	55640.5893	53518.8414	50651.9053	37138.938	58510.0287	62938.0687	79165.8038	70639.1838
1816311.8	1579791.52	1709741.81	1758733.72	1700080.85	1615012.99	1226392.94	1846258.42	1972964.6	2409919.25	2119175.39
4972936.3	5073070.85	5343944.71	5532022.83	5445796.99	5145528.98	4830097.78	5516060.47	5963343.67	5914328.97	5471370.44
4805712.8	5243786.32	5603152.16	6019149.45	5903489.66	5238147.22	5314960.26	5792791.99	6542037.25	5810986.75	5371439.94
0.000494	0.11294	0.045227		0.000231	0.030909	0.090667	0.000227	0.010472		
497787.32	449536.31	543158.369	690043.941	656721.314	517939.39	450600.178	622059.111	745589.492	744019.663	681411.382
3.86	3.13	4.34	3.76	3.73	4.77	3.59	3.58	4.54	5.18	4.35
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
6687244.8	6161108.51	6570407.34	6975767.95	6789365.93	6391586.96	5627257.78	7003553.92	7557036.64	9403742.13	8390650.47
3682335	2960226.29	3304201	3774885.73	3588483.71	3125380.61	2557023.82	3737347.58	4225365.67	6147786.18	5267590.68
1030681.6	722143.746	859924.281	1021416.69	977429.305	892217.033	385141.762	1002906.59	1036966.16	1630069.29	1471358.03
66099.528	50982.2909	54369.6466	56775.4227	54825.2945	54869.5271	37282.6183	61548.4488	64081.1675	89350.1012	79390.8422
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
3682335	2960226.29	3304201	3774885.73	3588483.71	3125380.61	2557023.82	3737347.58	4225365.67	6147786.18	5267590.68
44585.543	34859.1795	38775.0214	46108.6455	42965.9101	39843.8984	11101.2866	41697.9165	43043.9961	84695.4737	74504.2085
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
535359.14	388999.531	373136.941	334577.786	326417.556	334535.016	384434.558	437145.165	476711.362	828328.623	653211.439
-479868.1	-512909.05	-501263.83	-397605.48	-395622.37	-473950.57	-449389.82	-449979.15	-448671.16	-210455.98	-206078.33
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768

2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
-3255956	-3056611.7	-3521748.3	-3056611.7	-3123059.8	-3388852.1	-3189507.9	-3255956	-3322404	-3256145.3	-3602050.7
-3255956	-3056611.7	-3521748.3	-3056611.7	-3123059.8	-3388852.1	-3189507.9	-3255956	-3322404	-3256145.3	-3602050.7
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
23.60004	22.289948	17.639935	18.420124	20.379981	19.970019	17.580032	19.48999	20.499953	21.400088	33.389068
0	0	0	0	0	0	0	0	0	0	21.11
23.478148	22.168094	17.518086	18.298198	20.258113	19.848136	17.458144	19.368119	20.378097	21.278177	33.263509
23.571911	22.261828	17.611816	18.391987	20.351858	19.941892	17.551904	19.461866	20.471832	21.371955	33.360093
22.868692	21.558823	16.908843	17.688571	19.648776	19.238722	16.848703	18.758764	19.768816	20.668622	32.635713
23.140603	21.830652	17.180659	17.960558	19.920634	19.510614	17.120607	19.03063	20.040649	20.940577	32.915807
23.553158	22.243081	17.59307	18.373229	20.333109	19.923141	17.533152	19.443116	20.453085	21.3532	33.340776
23.590663	22.280575	17.630562	18.410745	20.370606	19.960643	17.570656	19.480615	20.49058	21.390711	33.37941

19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.450905
1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.03
23.3	21.99	17.34	18.12	20.08	19.67	17.28	19.19	20.2	21.1	33.08
4.307969	3.907202	3.690458	3.697729	3.721525	3.720869	3.706986	3.763385	4.364653	4.87507	5.011922
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
0.029795	0.035625	0.026438	0.026331	0.026037	0.033676	0.031536	0.025943	0.029725	0.027142	0.032995
8557.2	7985.025	9287.775	8061.975	8239.725	8870.85	8367.525	8591.175	8732.475	8580.6	9225.225
21.885421	21.698437	21.905129	21.90754	21.914162	21.742279	21.790429	21.916262	21.776745	21.889285	21.757606
8820	8280	9540	8280	8460	9180	8640	8820	9000	8820	9540
22.557544	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5

2.24	7.77	2	2.64	9.84						6.74

5.55721	5.55721	3.10827	3.7676	6.875869	4.89788	3.67341	0.84771	1.60123	0.28257	7.5352
0.023676	0.026399	0.016501	0.01593	0.035688	0.021567	0.01709	0.001133	0.00153	0.000103	0.117272
0.022857	0.02538	0.016297	0.015407	0.034707	0.020833	0.016588	0.001122	0.001475	0.000102	0.113867
1553.80119	425.3827	3258.8146	2718.17513	15509.24	8924.9035	2245.19123	87.040666	60.251981	5.320337	23291.1351
7.343761	2.34528	17.222831	11.125492	56.712222	32.878077	10.746229	0.450485	0.258565	0.020507	90.124164
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24

0.032321	0.034456	0.027452	0.036467	0.026409	0.0325	0.030572	0.026505	0.02945	0.029311	0.027405
4894.86592	5102.4607	3774.94682	3097.53234	7129.2411	4643.567	3479.94374	240.37288	322.31818	21.85208	26375.4606
19465.3458	20595.88	13436.0368	12081.4212	27684.4692	18007.6875	12717.7499	821.354008	1324.60535	106.552084	105446.969
2.296897	2.331374	1.195097	1.540939	2.770677	1.96373	1.42275	0.319101	0.707156	0.144662	3.199687
382.763553	85.844843	752.598618	580.598738	3302.43597	1918.68216	517.789902	21.072404	11.783655	0.96053	4722.76525
22001.14	20608.56	23916.88	20565.64	21232.06	22894.92	21591.08	22133.38	22516.76	22069.58	23918.04
56.2689	56.001521	56.407735	55.884891	56.468244	56.115	56.22677	56.462704	56.151521	56.299948	56.410471
22736	21344	24592	21344	21808	23664	22272	22736	23200	22736	24592
58.148337	58	58	58	58	58	58	58	57.855361	58	58
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
26.330807	26.690487	13.978566	17.609403	31.791549	22.564366	16.462101	3.722067	7.983556	1.658473	36.495781
26.330807	26.690487	13.978566	17.609403	31.791549	22.564366	16.462101	3.722067	7.983556	1.658473	36.495781
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
26725.8182	28580.022	19043.3957	17499.284	41182.9724	25464.551	19049.1074	1082.3676	1702.55284	132.99554	149895.073
3202.108	3770.634	2545.6085	2885.37394	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
26725.8182	28580.022	19043.3957	17499.284	41182.9724	25464.551	19049.1074	1082.3676	1702.55284	132.99554	149895.073
193.46	157.3	126.95	147.56	248.79	223.51	109.2	152.47	133.53	113.22	282.01
21969.9091	24384.006	13238.9726	11895.7349	17995.9642	12891.238	13304.8494	935.700941	1527.71397	122.790347	104235.296
24910.3844	28087.145	15195.199	14273.8643	21928.1714	14958.3232	16236.336	987.844299	1631.9716	127.066435	122287.252
32.277665	33.635365	16.125659	19.487269	27.773773	21.123806	19.962914	5.130231	9.848618	1.664802	41.745844
479.042612	532.60599	320.877821	267.21877	406.285713	289.296617	314.487083	23.282776	32.968948	2.218022	2298.83165
44.999522	46.894027	41.809534	44.839972	44.435297	44.5387	42.701967	43.033247	49.514994	52.019389	48.435325
14.724073	5.158342	8.769121	12.992588	30.553805	20.419446	9.768622	0.860664	0.990299	1.040387	38.685169
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
1.329104	1.472065	0.945235	0.893641	2.013031	1.208333	0.962135	0.065102	0.085336	0.005918	6.604339
3202.108	3770.634	2545.6085	2885.37394	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
3202.108	3770.634	2545.6085	2885.37394	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
40.637387	9.114008	79.902178	61.641229	350.614286	203.703382	54.972916	2.237223	1.251051	0.101977	501.40835
1553.80119	425.3827	3258.8146	2718.17513	15509.24	8924.9035	2245.19123	87.040666	60.251981	5.320337	23291.1351
7.14	7.41	4.86	3.53	6.61	5.13	3.82	0.42	0.55	0.04	30.93
-3202.108	-3770.634	-2545.6085	-2885.3739	-7677.7681	-3648.4095	-3499.0667	-59.625988	-114.58689	-4.884856	-22368.642
-28112.492	-31857.779	-17740.808	-17159.238	-29605.94	-18606.733	-19735.403	-1047.4703	-1746.5585	-131.95129	-144655.89
0.18	0.04	0.2	0.4	1.57	1.31	0.3	0.02	0.02		2.8
1903.9896	1738.0067	1290.3496	1283.6638	3454.1581	2191.6417	1293.2841	86.1975	131.0083	10.5793	12200.0645
0.3	0.27	0.06	0.1	0.21	0.18	0.08	0.02	0.01	0.01	1.07

119.19	107.271	23.838	39.73	83.433	71.514	31.784	7.946	3.973	3.973	433.6068
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
19465.3458	20595.88	13436.0368	12081.4212	27684.4692	18007.6875	12717.7499	821.354008	1324.60535	106.552084	105446.969
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
119.19	107.271	23.838	39.73	83.433	71.514	31.784	7.946	3.973	3.973	433.6068
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
3939.1744	4106.2376	3037.9124	2492.7588	5737.302	3736.94	2800.5068	193.4416	259.3876	17.5856	21645.8552

11.046984	11.112282	11.284003	11.296532	11.215004	11.236195	11.292489	11.326168	11.232178	11.180647	10.810755
0.588153	0.553214	0.480824	0.4712	0.500477	0.493562	0.475759	0.464833	0.493482	0.520418	0.768524
0.568472	0.532121	0.462186	0.453655	0.484535	0.479039	0.457497	0.446914	0.475239	0.504922	0.747639
509214.852	363813.55	541188.75	483940.394	586717.352	621597.012	481382.648	470040.113	536908.457	620007.966	863937.942
2499.93782	2024.8461	3043.52684	2576.86325	2541.74793	2798.06801	2734.28526	2589.24746	2578.37906	2531.08694	3474.83895
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
0.034438	0.039402	0.039929	0.037744	0.032898	0.030367	0.039348	0.038775	0.0383	0.030382	0.028066
272241.881	240611.62	244756.677	209039.626	226481.735	243420.778	219705.759	219871.018	236693.738	245117.156	377982.099
276299.68	244186.53	247000.57	211705.086	229388.922	246750.757	221519.05	223017.673	239978.744	249295.386	389616.86
2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.618499
418354.099	369747.87	376117.585	321231.194	348034.482	374064.71	337621.84	337875.794	363727.267	376671.533	600424.565
42013.5	39238.5	45184.77	39306.21	40362.93	43912.71	40946.79	41824.8	42699.48	42189.99	45743.1
107.451406	106.62636	106.567853	106.810353	107.348218	107.629191	106.632265	106.695918	106.482493	107.627525	107.884669
43512	40848	47064	40848	41736	45288	42624	43512	44400	43512	47064
111.283887	111	111	111	111	111	111	111	110.723192	111	111
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
29.884243	30.112591	30.619218	30.646432	30.348775	30.404765	30.611064	30.666292	30.449148	30.22372	30.004285
29.589072	29.754802	30.199018	30.22555	30.017035	30.070025	30.221223	30.297449	30.059769	29.923671	29.78624
737354.154	652715.41	663224.897	567420.638	613152.172	659306.298	594657.724	596101.365	642018.733	664247.172	1048836.36
686696.717	568436.53	450866.814	394650.303	487995.528	502831.143	402665.442	416427.013	487090.765	530118.504	1330533.03
-50657.437	-84278.887	-212358.08	-172770.34	-125156.64	-156475.15	-191992.28	-179674.35	-154927.97	-134128.67	281696.667
686696.717	568436.53	450866.814	394650.303	487995.528	502831.143	402665.442	416427.013	487090.765	530118.504	1330533.03
378.5	353.5	407.07	354.11	363.63	395.61	368.89	376.8	384.68	380.09	412.1
221552.561	281855.59	113687.836	76051.0135	20231.0307	30892.7758	106228.797	119244.742	97604.4559	38035.4152	178180.098
267568.31	322553.09	122860.763	83356.6783	23563.5766	34931.7103	114892.825	121623.64	107742.652	41926.9145	251676.973

50.5446	52.993275	37.107449	34.75481	22.561589	25.013576	34.428662	41.728192	42.634879	25.208565	30.432815
7727.57351	9756.5563	3960.10511	2633.60361	706.537259	1072.58778	3706.89912	4085.92224	3398.01598	1322.80034	6112.58623
21.715405	21.536316	17.485327	18.347908	18.965046	19.083706	17.748913	19.752802	20.046627	20.968394	26.844452
21.247083	19.646481	16.614713	17.480762	18.933249	19.017689	16.53788	18.883249	19.773865	20.912977	26.791206
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
63.261805	59.065538	51.302712	50.355733	53.783478	53.173382	50.782239	49.60754	52.619995	56.046377	82.987976
-192958.27	-210046.58	-340292.4	-282035.35	-243538.65	-283711.2	-306832.48	-294600.93	-278647.79	-262251.41	84125.4238
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17007.7925	11979.562	17792.2449	15897.3064	19516.0507	20622.1522	15793.4809	15360.2338	17702.602	20647.3797	29074.3158
509214.852	363813.55	541188.75	483940.394	586717.352	621597.012	481382.648	470040.113	536908.457	620007.966	863937.942
132.26	146.65	72.01	57.03	25.89	35.98	72.97	86.84	74.94	49.34	148.38
50657.437	84278.887	212358.083	172770.335	125156.645	156475.155	191992.282	179674.352	154927.968	134128.668	-281696.67
-216910.87	-238274.21	89497.3202	89413.6567	101593.068	121543.444	77099.4567	58050.7123	47185.3159	92201.7536	-533373.64
227.85	179.08	310.53	275.11	314.52	340.61	270.44	278.5	297.73	321.73	207.36
74757.819	61239.28	70207.6435	64694.2533	80811.3397	84954.6181	63145.0163	66737.8387	77663.6916	90508.4857	99512.1223
0.86	0.92	1.09	0.97	0.81	0.89	0.92	0.89	0.98	0.81	0.86
6586.74	7046.28	8348.31	7429.23	6203.79	6816.51	7046.28	6816.51	7505.82	6203.79	6718.32
879654.985	778483.11	791159.212	676685.65	731534.175	786542.339	709497.924	711027.946	765738.55	792369.909	1246407.6
879654.985	778483.11	791159.212	676685.65	731534.175	786542.339	709497.924	711027.946	765738.55	792369.909	1246407.6
694653.779	613934.4	623118.156	532936.279	577423.404	620815.467	559140.889	560893.467	603706.011	625966.919	990041.425
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
6586.74	7046.28	8348.31	7429.23	6203.79	6816.51	7046.28	6816.51	7505.82	6203.79	6718.32
879654.985	778483.11	791159.212	676685.65	731534.175	786542.339	709497.924	711027.946	765738.55	792369.909	1246407.6
36113.6344	31734.732	31758.431	27055.1286	29524.9785	31674.3204	28470.5548	28391.3878	30806.9023	32076.4628	52076.615
0.19	7.35	5.65	5.92			8.44	1.07	0.01		
0.014872	0.02826	0.032547	0.028722	0.040957	0.027328	0.0325	0.038061	0.031425	0.036836	0.031556

1158.51	1072.8	1230.6	1072.29	1081.8	1190.55	1114.56	1131.24	1162.29	1132.68	1231.86
2.962941	2.915217	2.902358	2.913831	2.877127	2.918014	2.9025	2.885816	2.898478	2.889489	2.90533
1176	1104	1272	1104	1128	1224	1152	1176	1200	1176	1272
3.007672	3	3	3	3	3	3	3	2.992518	3	3

11.467516	11.523147	11.840787	11.792088	11.660943	11.668914	11.846779	11.625157	11.569716	11.488706	11.317476
0.716398	0.691666	0.575148	0.585172	0.617128	0.619564	0.565778	0.63636	0.657898	0.672012	0.822498
0.684015	0.654815	0.351483	0.560712	0.591412	0.591065	0.493184	0.607304	0.626497	0.590955	0.786088
258494.604	233071.63	147169.226	204499.513	218592.048	237244.845	186962.584	233133	244471.588	224481.3	343318.595
1277.51913	1307.5871	828.77397	1082.03317	946.796479	1069.3221	1065.34446	1284.16526	1173.79161	912.725163	1389.5937
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
0.046147	0.050896	0.050566	0.042391	0.042632	0.044166	0.053255	0.047066	0.046	0.046301	0.045495
131533.172	118668.97	75120.2777	104234.846	111368.657	120801.496	95524.5726	118680.146	124427.917	114114.3	160791.87
133278.466	120140.19	75824.403	105521.628	112762.234	122453.418	96244.0916	120310.673	126144.094	115887.125	165762.618
1.8787	1.8787	1.878699	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	2.0478
114262.866	103087.74	65256.9853	90548.811	96745.9521	104940.259	82982.1962	103097.443	108090.531	99131.0925	163653.966
16078.13	14978.19	11137	15153.2	15478.71	16730.01	14364.15	16062.65	16367.95	14805.33	17402.53
41.120537	40.701603	26.266509	41.177173	41.166781	41.004926	37.40664	40.976147	40.81783	37.768698	41.043702
16856	15824	18232	15824	16168	17544	16512	16856	17200	16856	18232
43.109974	43	43	43	43	43	43	43	42.892768	43	43
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
22.965127	23.098647	24.389857	23.636189	23.35454	23.367416	24.414225	23.332068	23.13474	23.352873	24.542875
22.489272	22.594243	23.19732	23.10248	22.85153	22.865436	23.21202	22.78291	22.68002	22.523899	24.143656
263457.552	238072.47	154064.314	209007.84	223214.03	242207.793	195600.387	238247.489	249055.685	232247.746	348148.947
300656.451	256927.06	130446.179	186596.392	221200.69	232000.492	168027.153	216801.435	242009.536	233352.191	517711.085
37198.8986	18854.595	-23618.135	-22411.448	-2013.3402	-10207.301	-27573.234	-21446.054	-7046.1489	1104.44473	169562.137
300656.451	256927.06	130446.179	186596.392	221200.69	232000.492	168027.153	216801.435	242009.536	233352.191	517711.085
373.91	348.33	259	352.4	359.97	389.07	334.05	373.55	380.65	344.31	404.71

22.17863	19.559346	17.089285	19.259585	19.12481	18.918732	16.818566	18.832662	21.291515	19.873955	26.193156
5.766443	5.67221	3.759642	4.429704	4.207458	6.432369	4.036456	5.649798	7.45203	4.37227	8.905673
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
29.487877	28.157065	15.113797	24.110625	25.430744	25.415808	21.206953	26.114081	26.872194	25.411071	33.801816
-31553.49	-43173.676	-62883.504	-76895.002	-60225.737	-73350.243	-77503.929	-83480.166	-72084.621	-58543.1	85516.2268
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11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
258494.604	233071.63	147169.226	204499.513	218592.048	237244.845	186962.584	233133	244471.588	224481.3	343318.595
-37198.899	-18854.595	23618.1346	22411.4478	2013.34019	10207.3011	27573.2345	21446.054	7046.14888	-1104.4447	-169562.14
-37198.899	-18854.595	23618.1346	22411.4478	2013.34019	10207.3011	27573.2345	21446.054	7046.14888	-1104.4447	-169562.14
2.78	4.27	2.79	2.6	2.55	3.81	2.61	4.76	3.87	3.07	2.68
	0.002717	0.356132			0.00245	0.080729		0.0025	0.079081	
72906.489	59486.906	42921.51	63952.4269	79106.7638	82924.4264	54303.5512	65241.0962	76311.0293	78629.7253	96819.143
1.31	1.32	1.82	1.19	1.22	1.31	2.28	1.35	1.21	2.05	1.25
4962.9481	5000.8332	6895.0882	4508.3269	4621.9822	4962.9481	8637.8028	5114.4885	4584.0971	7766.4455	4830.3525
332209.941	300100.74	193329.683	263491.394	281426.427	305350.735	245531.081	300281.601	314094.157	291895.291	432194.858
332209.941	300100.74	193329.683	263491.394	281426.427	305350.735	245531.081	300281.601	314094.157	291895.291	432194.858
247541.332	223227.92	141081.388	196070.439	209508.186	227393.678	179226.288	223408.116	234234.625	215018.217	329416.584
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
4962.9481	5000.8332	6895.0882	4508.3269	4621.9822	4962.9481	8637.8028	5114.4885	4584.0971	7766.4455	4830.3525
332209.941	300100.74	193329.683	263491.394	281426.427	305350.735	245531.081	300281.601	314094.157	291895.291	432194.858
10953.272	9843.71	6087.8375	8429.0745	9083.862	9851.1675	7736.2965	9724.884	10236.9625	9463.083	13902.0109
0.0325	0.026603	0.020849	0.043858	0.039946	0.022009	0.028437	0.023061	0.03495	0.02079	0.027523
1137.78	1074.63	1245.48	1055.58	1082.94	1197.06	1119.24	1148.88	1158.06	1151.55	1236.99
2.909923	2.92019	2.937452	2.868423	2.880159	2.93397	2.914687	2.930816	2.88793	2.937627	2.917429
1176	1104	1272	1104	1128	1224	1152	1176	1200	1176	1272
3.007672	3	3	3	3	3	3	3	2.992518	3	3

4.380787	3.367072	2.246386	3.10005	7.332652	3.942877	3.244685	0.14	9.849246
0.003263	0.004314	0.003659	0.004416	0.01127	0.004444	0.005626	0.00004	0.028896
0.003158	0.00419	0.003528	0.004184	0.011031	0.004338	0.005322	0.00004	0.028301
217.79574		99.986264	203.568032	1491.54761	971.229173	130.776561		2136.08982
1.053493		0.549766	0.770451	5.308072	3.434549	0.628815		8.1173

61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
0.026224	0.033029	0.028761	0.028288	0.029321	0.028676	0.03427	0.029426	0.026462	0.035153	0.026167
873.5	1085.1	1052	1089.4	2936.6	1250.1	1453		11.2		8464.8
2983.78907	4331.9192	3635.8509	4309.85127	11440.5646	4952.71184	5194.53352		40.367809		28999.5014
1.114316	0.958661	0.56527	0.83308	2.002067	1.069695	0.851719		0.036042		2.474521
101.829731		28	51.237576	374.84898	254.419194	37.152169				613.421549
19058.1	17786.1	20669	17888.8	18287.3	19822.8	18432.2	19061.2	19519.5	18922.4	20621.7
48.741943	48.331793	48.747641	48.610869	48.636436	48.585294	48.00052	48.62551	48.677057	48.271428	48.636084
19600	18400	21200	18400	18800	20400	19200	19600	20000	19600	21200
50.127877	50	50	50	50	50	50	50	49.875311	50	50
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
18.280162	16.875989	10.977836	18.058107	45.750894	25.266254	20.219995		0.504597		49.173864
15.818574	13.474262	7.945832	12.007812	28.289981	15.190269	12.081381		0.504597		35.355448
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
3349.3889	4764.881	4025.45901	4918.04296	13279.6378	5596.58612	6187.06258		42.173006		33572.4521
350.113829	422.24182	383.546116	569.748695	1810.19019	631.210283	962.867057		1.805196		4217.96875
3349.3889	4764.881	4025.45901	4918.04296	13279.6378	5596.58612	6187.06258		42.173006		33572.4521
221.61	149.95	198.77	218.17	385.06	322.72	166.73	123.51	93.17	65.26	303.63
2781.47933	4342.6392	3541.92663	4144.72623	9977.89996	3994.14667	5093.41896		40.367809		27218.3936
3089.48257	4764.881	3921.19914	4704.99693	11508.0191	4506.14957	6026.67703		42.173006		31008.5619
6.0163	5.05	3.45	4.348647	10.480447	5.669897	4.999875		0.4		14.477225
54.626447	77.1	72.8	73.340173	180.839358	70.391486	99.58913		0.8		556.544884
42.653806		52.210389	57.19408	56.182084	55.575962	55.167227				53.651956
1.279614		1.044207	2.287763	16.854625	9.447913	2.758361				17.162726
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
0.158312	0.20951	0.176415	0.209239	0.551595	0.216911	0.266145		0.001995		1.415094
350.113829	422.24182	383.546116	569.748695	1810.19019	631.210283	962.867057		1.805196		4217.96875
350.113829	422.24182	383.546116	569.748695	1810.19019	631.210283	962.867057		1.805196		4217.96875
7.273552		2	3.659826	26.560641	18.108513	2.610869				43.455115
217.79574		99.986264	203.568032	1491.54761	971.229173	130.776561				2136.08982
1	1.16	0.96	1.05	2.53	1.07	1.32		0.01		7.84
-350.11383	-422.24182	-383.54612	-569.7487	-1810.1902	-631.21028	-962.86706		-1.805196		-4217.9688
-3439.5964	-5187.1228	-4304.7453	-5274.7456	-13318.209	-5137.3599	-6989.5441		-43.978202		-35226.531
		0.05	0.02	0.18	0.17	0.02				0.35
368.5069	386.9871	371.7878	503.8366	1599.7649	662.2043	635.6778		4.4321		4217.4591

0.03	0.02	0.01	0.07	0.03	0.02	0.05				0.62
13.002	8.668	4.334	34.339	17.003	8.668	21.67				331.222
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
2983.78907	4331.9192	3635.8509	4309.85127	11440.5646	4952.71184	5194.53352		40.367809		28999.5014
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
13.002	8.668	4.334	34.339	17.003	8.668	21.67				331.222
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
2.484	2.052	1.728	4.104	11.88	3.996	7.992				23.76

0.025918	0.020869	0.029787	0.034755	0.037978	0.036691	0.025598	0.026479	0.030025	0.034311	0.030707

1527.36	1441.28	1645.48	1420.84	1446.88	1572.12	1496.68	1526.48	1551.96	1514.2	1643.92
3.906291	3.916521	3.880849	3.860978	3.848085	3.853235	3.897604	3.894081	3.870224	3.862755	3.877169
1568	1472	1696	1472	1504	1632	1536	1568	1600	1568	1696
4.01023	4	4	4	4	4	4	4	3.990024	4	4

10.376217	10.430862	10.698545	10.646836	10.538186	10.5437	10.692099	10.570466	10.500479	10.455863	10.221934
0.519981	0.492043	0.335689	0.364263	0.396787	0.393236	0.36445	0.388602	0.421245	0.452689	0.689159
0.487623	0.464176	0.245359	0.344259	0.378113	0.369813	0.343298	0.365042	0.402628	0.429659	0.655448
281730.47	233295.09	152866.683	191833.707	214933.959	228241.578	197070.311	214437.651	242287.603	252786.102	420168.152
1384.23443	1298.8042	858.107768	996.52882	915.259577	1011.54752	1103.34597	1172.09535	1154.92356	1027.33981	1698.91817
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
0.061377	0.055108	0.067099	0.059402	0.048696	0.061666	0.058828	0.063571	0.04625	0.051811	0.051061
115316.991	103400.53	64459.9102	78537.8797	87523.2815	92866.5934	81759.8796	88199.8057	98692.5302	102638.755	164657.793
117109.347	105048.81	64919.7304	79655.6835	88892.5231	94504.3373	82139.5909	89835.8226	100300.733	104929.65	169779.04
2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.5022
160798.013	144181.7	89882.8987	109513.219	122042.464	129493.178	114005.976	122985.809	137616.864	143119.48	242409.203
21561.284	20321.894	18073.998	20283.804	20960.634	22434.424	21178.626	21510.888	22355.9	21781.034	23577.71

55.143948	55.222538	42.627353	55.119032	55.746367	54.986333	55.152671	54.874714	55.750374	55.563862	55.607806
22971.2	21564.8	24846.4	21564.8	22033.6	23908.8	22502.4	22971.2	23440	22971.2	24846.4
58.749872	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
27.906779	28.668651	33.885843	29.982986	28.848029	29.328762	30.059979	29.504759	28.760122	28.330672	28.512683
25.424684	25.556245	26.206662	26.077118	25.812966	25.824044	26.191727	25.886937	25.722095	25.610353	26.065497
308203.36	279126.49	195881.29	216105.03	237447.331	254879.537	224772.964	243140.896	267195.17	276159.291	449617.695
324108.469	278712.73	138661.458	178223.621	220312.966	225152.885	179310.709	195974.702	235791.286	253508.679	628648.543
15905.1097	-413.75508	-57219.832	-37881.409	-17134.365	-29726.652	-45462.256	-47166.194	-31403.883	-22650.612	179030.847
324108.469	278712.73	138661.458	178223.621	220312.966	225152.885	179310.709	195974.702	235791.286	253508.679	628648.543
367.94	346.63	308.43	346.14	357.69	382.84	361.41	367.08	381.5	371.69	402.35
1553.50828	20740.156	4862.17629	898.662183			2783.27194	2409.0013	160.043548	0.528536	
1907.46182	26101.61	5823.23686	978.87638			3183.74519	2704.19144	181.116612	0.510894	
4.904007	14.708378	9.367014	5.307426			8.469078	7.890379	1.385429	0.020849	
62.718302	838.47003	199.120319	36.288884			114.01107	96.454465	6.37053	0.020849	
21.753455	22.672176	20.10629	18.297778	18.184951	18.706612	18.705674	21.178293	20.56272	21.02523	30.037
20.630651	22.031377	18.378417	16.907757	14.366111	14.591157	17.281002	20.666034	18.49961	15.558402	23.42886
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
28.6478	27.200728	14.378094	20.173608	22.157425	21.671073	20.117276	21.391479	23.535167	25.17804	38.409268
-44371.082	-54461.214	-90913.027	-78933.158	-62882.784	-78268.02	-88198.145	-93268.232	-82990.469	-76299.89	92964.2188
-44371.082	-54461.214	-90913.027	-78933.158	-62882.784	-78268.02	-88198.145	-93268.232	-82990.469	-76299.89	92964.2188
11138.5717	9171.398	5897.19168	7387.59912	8331.192	8841.798	7611.02293	8289.00553	9431.23147	9869.77115	16285.53
281730.47	233295.09	152866.683	191833.707	214933.959	228241.578	197070.311	214437.651	242287.603	252786.102	420168.152
0.09	3.62	0.87	0.11			0.55	0.42	0.03		
-15905.11	413.75508	57219.8323	37881.4086	17134.3646	29726.6521	45462.2556	47166.1937	31403.8833	22650.6123	-179030.85
-17812.572	-25687.855	51396.5955	36902.5323	17134.3646	29726.6521	42278.5104	44462.0023	31222.7666	22650.1015	-179030.85
19.78	17.18	15.51	21.41	19.71	19	21.53	19.67	22.08	16.89	16.65
	0.002717	0.224056								
67332.8272	55865.376	45469.0214	59144.7513	73925.7097	76075.3984	57745.2003	60635.049	71831.5027	81618.7245	89171.9848
1.45	1.46	2.22	1.36	1.31	1.55	1.45	1.53	1.44	1.36	1.68
24919.381	25091.239	38152.4316	23372.6608	22513.3718	26637.959	24919.381	26294.2434	24747.5232	23372.6608	29449.5432
368479.551	333173.95	229574.486	257156.78	283195.75	303420.906	267508.853	289242.934	318781.755	329808.568	535684.324
368479.551	333173.95	229574.486	257156.78	283195.75	303420.906	267508.853	289242.934	318781.755	329808.568	535684.324
277907.359	249230.51	154802.629	189168.903	210934.987	223997.515	196145.567	212821.632	237917.598	248049.13	412188.243
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53

24919.381	25091.239	38152.4316	23372.6608	22513.3718	26637.959	24919.381	26294.2434	24747.5232	23372.6608	29449.5432
368479.551	333173.95	229574.486	257156.78	283195.75	303420.906	267508.853	289242.934	318781.755	329808.568	535684.324
5376.6192	4804.7366	2926.22976	3563.46624	3998.97216	4244.06304	3708.01632	4025.0208	4530.04896	4737.50016	7979.9097
2.7	2.7	1.8	2.4	6.45	3.15	2.85		0.15		8.1
0.001909	0.002822	0.00247	0.003126	0.009005	0.003241	0.004821		0.000025		0.021189
0.001862	0.002771	0.002429	0.00307	0.008909	0.003161	0.004791		0.000025		0.021037
7.56232			5.251189	238.594714	127.731017	28.496269				249.053018
0.039321			0.022037	0.843658	0.424988	0.130524				0.938751
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88
0.036071	0.035733	0.030778	0.027934	0.024414	0.036911	0.030416	0.029897	0.028275	0.0275	0.022783
153.3	214.2	216.3	237.3	703.5	270.9	386.4		2.1		1873.2
562.400119	849.17836	733.145397	937.013265	2733.56021	1077.42308	1387.62074		7.568964		6096.3306
0.695356	0.717687	0.417268	0.616655	1.663106	0.81394	0.692767		0.036042		1.815123
1.596084			1.516917	58.740321	33.184013	8.4				75.580238
5290.04	4967.9	5753.3	5008.08	5135.48	5501.16	5212.48	5323.92	5441.66	5337.08	5800.76
13.529514	13.499728	13.569103	13.608913	13.658191	13.483235	13.574166	13.581428	13.570224	13.615	13.681037
5488	5152	5936	5152	5264	5712	5376	5488	5600	5488	5936
14.035805	14	14	14	14	14	14	14	13.965087	14	14
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88
10.430352	10.823008	6.25902	9.249838	25.884092	12.209103	10.641505		0.54064		28.926669
10.430352	10.823008	6.25902	9.249838	25.884092	12.209103	10.641505		0.54064		28.926669
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074		7.568964		6400.8306
644.930771	933.26138	806.181921	1047.46794	3123.67609	1207.82702	1620.85714		7.583515		7031.89622
82.530652	73.583028	73.036523	110.454673	369.115884	130.403941	222.736402		0.014551		631.065614
644.930771	933.26138	806.181921	1047.46794	3123.67609	1207.82702	1620.85714		7.583515		7031.89622
131.1	104.58	125.07	122.4	206.64	170.22	108.18	65.92	59.44	43.32	168.14
554.837798	859.67836	733.145397	931.762076	2515.96549	949.692058	1369.62447		7.568964		6151.77759
637.307495	933.26138	806.181921	1042.2034	2847.20101	1065.00181	1586.17501		7.583515		6725.07839
2.493398	2.52	1.68	2.189436	5.717329	2.858253	2.52		0.14		7.532887
10.113594	14.28	14.42	15.718872	42.983978	15.847732	25.2		0.14		119.841317
71.070682			51.926245	61.89327	62.056803	55.538857				54.095954
0.710706			0.519262	6.808259	3.723408	1.110777				4.689024
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88

0.026138	0.038804	0.034009	0.042989	0.124734	0.044264	0.067083	0.000349	0.294528		
82.530652	73.583028	73.036523	110.454673	369.115884	130.403941	222.736402	0.014551	631.065614		
82.530652	73.583028	73.036523	110.454673	369.115884	130.403941	222.736402	0.014551	631.065614		
0.106405			0.101127	3.916021	2.212267	0.56		5.038682		
7.56232			5.251189	238.594714	127.731017	28.496269		249.053018		
0.5	0.83	0.86	0.78	2.07	0.8	1.07	0.01	6.6		
-82.530652	-73.583028	-73.036523	-110.45467	-369.11588	-130.40394	-222.7364	-0.014551	-631.06561		
-719.83815	-1006.8444	-879.21844	-1152.6581	-3216.3169	-1195.4058	-1808.9114	-7.598067	-7356.144		
				0.17	0.12	0.02		0.13		
156.5593	190.0741	193.4555	256.1137	896.8847	346.5587	379.8135	2.1886	2264.6123		
	0.01			0.02		0.01		0.29		
	10.5			21		10.5		304.5		
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074	7.568964	6400.8306		
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074	7.568964	6400.8306		
562.400119	849.17836	733.145397	937.013265	2733.56021	1077.42308	1387.62074	7.568964	6096.3306		
10.22	14.28	14.42	15.82	46.9	18.06	25.76	0.14	124.88		
	10.5			21		10.5		304.5		
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074	7.568964	6400.8306		

10.982253	11.042006	11.266932	11.273854	11.166498	11.184774	11.275733	11.235775	11.150933	11.083534	10.770898
0.347373	0.330073	0.251419	0.27146	0.293398	0.287938	0.268034	0.275373	0.292066	0.304006	0.460628
0.333962	0.316381	0.223236	0.260925	0.283467	0.277117	0.254431	0.264718	0.281593	0.290496	0.445418
1051219.09	830605.65	844583.459	883200.609	1037482.74	1097107.3	867820.007	917697.805	1023727.9	1097280.69	1653100.97
5170.12796	4633.5827	4748.18117	4667.34322	4466.66794	4915.67525	4914.48125	5045.95855	4907.3528	4471.17242	6662.53104
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
0.033262	0.035728	0.034815	0.035834	0.034419	0.034788	0.036276	0.034383	0.033393	0.034063	0.031811
525013.711	469082.88	389380.112	396236.584	436143.014	463253.435	402309.555	426991.343	460149.803	461892.063	740145.223
549699.028	495152.5	405549.737	414210.683	472902.273	487746.335	419202.636	433985.523	467796.113	470218.713	865701.319
2.360153	2.362213	2.405604	2.355686	2.376575	2.358732	2.372509	2.331951	2.336173	2.349861	2.520385
693414.978	617017.31	531257.469	521293.224	566822.898	608498.147	534610.012	563959.045	609434.662	618922.106	1006487.73
486.189369	85.844843	780.598618	633.353232	3736.02527	2206.28537	563.342072	21.072404	11.783655	0.96053	5411.76704
138383.044	129474.88	138144.283	129816.419	133308.459	144126.604	133823.331	138314.613	141506.035	137484.444	150401.835
353.920828	351.83391	325.811988	352.762008	354.543773	353.25148	348.498257	352.8434	352.88288	350.725622	354.721308
143903.2	135092.8	155650.4	135092.8	138029.6	149776.8	140966.4	143903.2	146840	143903.2	155650.4

368.038874	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
135.797472	136.26937	120.110341	129.182957	185.977881	143.140667	132.408871	87.225187	91.372806	83.565739	197.65616
27.08188	27.250903	28.3594	27.730328	27.758824	27.560671	27.944658	27.306934	27.154567	27.144161	28.500059
1336100.45	1199926.1	1034043.35	1012432.73	1121542.75	1184252.57	1037203.43	1078512.49	1159905.49	1172782.32	2009884.75
1342181.77	1138354.5	743849.488	782935.111	987095.47	992253.484	776860.331	830285.517	966643.896	1017112.37	2667392.08
6081.3238	-61571.588	-290193.86	-229497.61	-134447.28	-191999.08	-260343.1	-248226.97	-193261.59	-155669.95	657507.329
1342181.77	1138354.5	743849.488	782935.111	987095.47	992253.484	776860.331	830285.517	966643.896	1017112.37	2667392.08
1668.76	1460.29	1433.06	1542.78	1921.78	1886.61	1458.3	1459.33	1432.97	1317.89	1979.68
248412.296	332182.07	136064.057	93921.8989	50720.8604	48727.8525	128779.961	122589.444	99340.1502	38158.7341	315785.565
298112.946	382439.99	148606.58	104356.619	59846.9681	55461.1849	141925.759	125315.675	109605.497	42054.4918	411697.865
14.607467	16.279574	10.168588	10.062319	11.001941	8.619347	10.768629	13.6872	9.068154	6.723554	15.523713
8334.07446	11219.012	4567.32325	3026.17031	1336.64631	1448.12362	4260.18641	4205.65949	3438.29546	1325.03921	9087.80408
23.872104	22.575518	19.776998	21.183168	27.635742	24.389461	19.925365	20.371184	20.414231	21.063053	34.303337
23.633893	21.663844	19.332611	20.760729	27.590513	24.340781	19.32548	19.932288	20.284696	21.030822	34.240235
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
122.911038	116.14371	81.950264	95.785836	104.06101	101.729774	93.401833	97.178204	103.115037	106.641408	163.513023
-265248.09	-303415.01	-491086.74	-434297.93	-356790.09	-430919.44	-467849.89	-471289.71	-433606.47	-397089.51	289823.546
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39724.1415	31521.874	30179.5888	32223.0177	37790.2937	40057.6244	31606.1176	33888.1965	37910.8345	40478.3928	60241.7179
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140.99	159.67	79.56	62.5	37.1	42.98	79.73	87.68	75.54	49.38	193.75
-6081.3238	61571.588	290193.859	229497.614	134447.275	191999.084	260343.102	248226.974	193261.594	155669.951	-657507.33
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250.59	200.57	329.08	299.54	338.7	365.02	294.92	302.95	323.7	341.69	229.97
	0.000494	0.052744			0.000222	0.007339		0.000227	0.007189	
217426.191	178906.63	160453.768	189835.046	239794.621	247154.848	177502.543	192700.181	225943.853	250767.515	304185.386
3.95	4	5.2	3.69	3.6	3.95	4.79	3.79	3.64	4.23	5.77
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
1607429.86	1441769.5	1234936.23	1217233.04	1343885.56	1423172.92	1244710.22	1301575.22	1400250.36	1414201.88	2377568.53
1607429.86	1441769.5	1234936.23	1217233.04	1343885.56	1423172.92	1244710.22	1301575.22	1400250.36	1414201.88	2377568.53
1243114.01	1112169.8	936807.206	935503.907	1039725.17	1096244.48	953812.648	997944.569	1077230.78	1089140.82	1872189.05
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
1607429.86	1441769.5	1234936.23	1217233.04	1343885.56	1423172.92	1244710.22	1301575.22	1400250.36	1414201.88	2377568.53

56385.184	50491.469	43812.1387	41544.5321	48356.9946	49510.4869	42723.3664	42334.7342	45833.3013	46294.6316	95628.1508
0.19	7.35	5.65	5.92			8.44	1.07	0.01		
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579
1160.8804	683.98586	1510.61884	1315.74059	2252.16883	2388.92685	1224.24589	1325.73285	1800.90589	2367.63887	1406.78414
-79474.083	-65805.32	-75447.936	-69377.264	-86030.025	-90160.044	-67830.644	-71342.226	-83233.564	-95601.887	-104924.35
79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579
249.66	198.29	336.91	297.77	338.14	364.03	293.7	301.26	323.58	341.42	227.63
131.01791	107.07987	135.057445	149.628811	186.017002	181.295312	143.292184	121.933093	147.748325	181.036114	168.896468
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14206.5598	7854.4603	18842.0014	16292.1464	30401.6368	31355.9465	16023.811	14929.108	21934.5919	31581.4809	17562.7915
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1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
2127571.2	1595106.8	1607967.38	1580781.96	2326392.8	2378193.32	1437984.5	1640631.14	2095491.18	2639278.32	3869377.01
79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579
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79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579
249.66	198.29	336.91	297.77	338.14	364.03	293.7	301.26	323.58	341.42	227.63
131.01791	107.07987	135.057445	149.628811	186.017002	181.295312	143.292184	121.933093	147.748325	181.036114	168.896468
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14206.5598	7854.4603	18842.0014	16292.1464	30401.6368	31355.9465	16023.811	14929.108	21934.5919	31581.4809	17562.7915
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1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
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1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43

258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242127.5	289041.713
1283.79277	1498.6155	1585.58577	1081.71211	716.441805	783.306398	1171.1171	1279.54844	1174.37314	998.418217	1173.71759
8219.60819	8472.3574	8929.4545	6330.93848	5136.44164	5421.64095	6458.18317	7351.01561	7727.70194	7720.98733	9225.82851
192819.724	187309.22	156496.051	115332.106	102842.29	106731.141	112351.879	142372.525	157284.326	164058.312	305872.433
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258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
8219.60819	8472.3574	8929.4545	6330.93848	5136.44164	5421.64095	6458.18317	7351.01561	7727.70194	7720.98733	9225.82851

258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
8219.60819	8472.3574	8929.4545	6330.93848	5136.44164	5421.64095	6458.18317	7351.01561	7727.70194	7720.98733	9225.82851
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258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
260750.333	268500.26	283150.939	201223.923	162672.023	171820.812	204974.327	233354.541	245135.204	244342.013	288205.055
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9236.63951	9511.1674	10030.1431	7128.0171	5762.38127	6086.46162	7260.86883	8266.1899	8683.49997	8677.86088	10367.1475
216665.508	210319.62	175783.66	129764.304	115446.521	119857.519	126295.761	160096.225	176729.903	184360.697	343708.191
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44084.8258	58180.632	107367.279	71459.6183	47225.502	51963.2929	78678.5664	73258.3163	68405.3016	60641.3765	-39842.838
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79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
260750.333	268500.26	283150.939	201223.923	162672.023	171820.812	204974.327	233354.541	245135.204	245002.074	303865.353
260750.333	268500.26	283150.939	201223.923	162672.023	171820.812	204974.327	233354.541	245135.204	245002.074	303865.353
9236.63951	9511.1674	10030.1431	7128.0171	5762.38127	6086.46162	7260.86883	8266.1899	8683.49997	8677.86088	10367.1475
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260750.333	268500.26	283150.939	201223.923	162672.023	171820.812	204974.327	233354.541	245135.204	245002.074	303865.353
9236.63951	9511.1674	10030.1431	7128.0171	5762.38127	6086.46162	7260.86883	8266.1899	8683.49997	8677.86088	10367.1475
216665.508	210319.62	175783.66	129764.304	115446.521	119857.519	126295.761	160096.225	176729.903	184360.697	343708.191
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260750.333	268500.26	283150.939	201223.923	162672.023	171820.812	204974.327	233354.541	245135.204	245002.074	303865.353
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
985.714432	1167.9597	1020.21884	1053.91827	879.811336	938.944183	882.94121	725.348097	724.540402	729.863078	806.608308

3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
90221.4281	87090.13	61457.1141	68294.2448	76817.1447	77873.642	51118.0423	48863.6112	58905.6902	73346.5172	129905.877
3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
9.911768	10.971218	8.327032	10.292103	10.335867	9.79979	7.75676	6.489059	7.302608	8.830868	9.163433
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-108320.52	-119746.3	-119418.69	-125739.08	-122277.3	-126960.02	-101475.43	-81450.715	-91113.482	-103996.39	-69137.825
3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
108320.516	119746.3	119418.692	125739.084	122277.3	126960.015	101475.427	81450.715	91113.4815	103996.387	69137.8254
108320.516	119746.3	119418.692	125739.084	122277.3	126960.015	101475.427	81450.715	91113.4815	103996.387	69137.8254
79474.0829	65805.32	69140.3306	68049.0009	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
90221.4281	87090.13	61457.1141	68294.2448	76817.1447	77873.642	51118.0423	48863.6112	58905.6902	73346.5172	129905.877
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198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	253652.993	325371.541
1434.64855	1696.8381	1516.47686	1352.04598	924.812773	1018.08486	1386.10747	1655.66335	1335.13585	1052.49379	1331.60769
4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
97076.2825	95607.205	68467.0635	62849.7147	57524.944	60551.8926	59343.5945	83713.8768	81013.4634	77257.1304	161652.012
4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
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4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3724.60073	4665.65494
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	253652.993	325371.541
189735.879	204581.21	199580.409	183376.026	150383.382	160095.909	179215.31	213474.822	194695.512	177332.09	182961.851

189735.879	204581.21	199580.409	183376.026	150383.382	160095.909	179215.31	213474.822	194695.512	177332.09	182961.851
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286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
97076.2825	95607.205	68467.0635	62849.7147	57524.944	60551.8926	59343.5945	83713.8768	81013.4634	77257.1304	161652.012
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286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	917465.411	1101662.01
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25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
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25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
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317896.332	263221.28	295411.302	276180.791	343036.269	360640.176	271078.214	285368.902	332902.626	381751.776	418988.017
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42
25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
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1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42
25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
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1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42
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79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
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17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
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249.66	198.29	336.91	297.77	338.14	364.03	293.7	301.26	323.58	341.42	227.63
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3.95	4	5.2	3.69	3.6	3.95	4.79	3.79	3.64	4.23	5.77
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
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73601.5976	69169.872	61173.2576	56111.2874	56965.0348	60252.221	56067.0195	60618.7771	64737.268	65402.1043	97751.7329
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
4501426.72	3954342.9	3584028.79	3379752.46	3882403.44	4035467.93	3258726.73	3588535.48	4032146.34	4394511.94	7048329.37
56385.184	50491.469	43812.1387	41544.5321	48356.9946	49510.4869	42723.3664	42334.7342	45833.3013	46294.6316	95628.1508
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42
25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
596782.942	580326.18	462203.888	376240.37	352630.9	365014.194	349109.277	435046.237	473933.383	499022.657	941138.513
-407745.98	-461569.84	-550612.38	-464287.33	-378533.62	-402744.47	-450062.7	-456927.26	-439888.92	-420693.04	-210958.9
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42

2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
-2990381.8	-3194271.4	-3126308.2	-3602050.7	-3126308.2	-3330197.9	-3330197.9	-3262234.6	-3466124.3	-3262234.6	-3194441.3
-2990381.8	-3194271.4	-3126308.2	-3602050.7	-3126308.2	-3330197.9	-3330197.9	-3262234.6	-3466124.3	-3262234.6	-3194441.3
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33

30.449029	24.759004	23.38915	18.509129	19.319105	21.389147	20.949068	18.449094	20.449103	21.509066	22.449109
21.110102	21.11002	21.109918	21.109918	21.109959	21.110081	21.11004	21.11002	21.110061	21.109979	21.109979
30.323486	24.633471	23.263557	18.383545	19.193531	21.263556	20.823509	18.323525	20.323529	21.383507	22.323534
30.420057	24.730035	23.360167	18.480148	19.290127	21.360164	20.920093	18.420117	20.420124	21.480091	22.42013
29.69577	24.005805	22.635596	17.755626	18.56566	20.6356	20.195713	17.695676	19.695664	20.755717	21.695654
29.975828	24.285841	22.915763	18.035774	18.845787	20.915765	20.475807	17.975793	19.975788	21.035808	21.975785
30.400743	24.710722	23.340845	18.460827	19.270807	21.340843	20.900776	18.400798	20.400805	21.460774	22.400811
30.439371	24.749348	23.379489	18.499469	19.309446	21.379486	20.93941	18.439435	20.439443	21.499407	22.43945

19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
30.14	24.45	23.08	18.2	19.01	21.08	20.64	18.14	20.14	21.2	22.14
5.035151	4.515553	4.106789	3.869956	3.887101	3.911873	3.900348	3.888702	3.951111	4.58711	5.120944
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
0.02946	0.028138	0.029266	0.030919	0.023722	0.031352	0.029948	0.040625	0.028431	0.032369	0.023244
7686.675	8221.95	8037.675	9245.025	8083.575	8543.475	8555.85	8289	8919	8360.325	8263.35
21.837144	21.9252	21.841508	21.804304	21.966236	21.794579	21.826147	21.585937	21.860294	21.715129	21.976994
7920	8460	8280	9540	8280	8820	8820	8640	9180	8640	8460
22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5

8.22	0.24		4.48	2.56	1.92	16.36

7.535199	5.46302	4.89788	2.91989	4.42693	6.40492	4.52112	4.33274	1.22447	1.69542	0.56514
0.088177	0.026201	0.022796	0.017782	0.017338	0.03277	0.02236	0.022534	0.001259	0.001565	0.000159
0.085369	0.025212	0.022092	0.017287	0.016983	0.031556	0.021785	0.021718	0.00125	0.00151	0.000159
10415.5879	1674.77861	832.47413	9624.22736	3897.80577	18103.9444	8014.65345	2740.58676	2.517602	169.865468	94.27939
43.279131	7.627821	4.147178	50.606698	16.061812	64.526616	30.292548	12.173517	0.011883	0.744962	0.331303
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48

0.028494	0.037446	0.032418	0.029316	0.023016	0.035535	0.03028	0.031171	0.028946	0.033828	0.024787
16416.3751	5178.94296	4441.4353	4004.39366	3414.3875	6757.75574	4665.41908	4556.15868	278.61402	316.85516	32.77812
63687.4266	21886.3506	19248.663	15146.8482	14339.7051	28280.3441	19684.4123	17272.3056	1126.35202	1390.91881	171.819983
3.226456	2.335591	2.194224	1.174822	1.908121	2.742598	1.960867	1.795438	0.535109	0.791786	0.314514
2249.38981	373.052464	166.24069	2071.12275	772.97941	3598.3254	1574.73434	606.159134	0.465644	32.036528	15.529151
19834.26	20991.36	20652.06	23871.06	20852.74	21928.06	22047.54	21577.74	22979.02	21518.58	21267.44
56.347329	55.97696	56.119728	56.299669	56.665054	55.938928	56.243724	56.192031	56.321127	55.892415	56.56234
20416	21808	21344	24592	21344	22736	22736	22272	23664	22272	21808
58	58.154666	58	58	58	58	58	58	58	57.84935	58
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
36.723214	26.721093	24.964813	13.601655	21.761536	31.225027	22.30711	20.689016	6.138253	8.933078	3.426213
36.723214	26.721093	24.964813	13.601655	21.761536	31.225027	22.30711	20.689016	6.138253	8.933078	3.426213
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
94052.625	30187.6103	26275.435	21511.3422	21270.9325	42435.5642	28246.4377	26531.3948	1485.44789	1751.58217	207.648494
16657.5422	3953.73885	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.337669	80.364164	8.92811
94052.625	30187.6103	26275.435	21511.3422	21270.9325	42435.5642	28246.4377	26531.3948	1485.44789	1751.58217	207.648494
230.65	163.76	154.59	112.5	166.86	240.93	200.44	120	159.99	123.67	106.58
66979.4949	24559.0928	22170.607	8898.10589	13288.6007	15811.5183	15547.2113	18343.8176	1360.59262	1501.35254	104.440992
81378.8787	28304.8736	25328.969	10259.4485	16448.1093	19717.4539	18713.7281	23193.3025	1482.49522	1568.81291	108.943111
43.167601	31.914797	29.763351	11.253462	23.606383	22.419201	19.963558	24.312159	7.523521	8.783717	1.831295
1504.08592	510.233623	453.89049	205.252246	280.434025	335.43161	328.133001	419.365064	29.530563	30.238733	1.831295
48.180245	47.100563	49.753337	45.504382	46.739966	47.274097	47.602259	45.39482	50.925745	50.842457	57.103558
37.066851	17.843512	6.467933	13.184403	15.885458	31.63163	20.43123	12.666715	0.509257	2.033698	3.426213
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
4.95142	1.46624	1.281358	1.002688	0.985054	1.830255	1.263571	1.259687	0.0725	0.087376	0.009255
16657.5422	3953.73885	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.337669	80.364164	8.92811
16657.5422	3953.73885	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.337669	80.364164	8.92811
238.814078	39.606376	17.649505	219.887753	82.065974	382.028389	167.186998	64.354935	0.049436	3.401266	1.648704
10415.5879	1674.77861	832.47413	9624.22736	3897.80577	18103.9444	8014.65345	2740.58676	2.517602	169.865468	94.27939
17.63	7.12	6.68	3.21	3.7	5.65	5.08	4.4	0.43	0.55	0.06
-16657.542	-3953.7389	-3272.3539	-2989.009	-4084.526	-8520.1014	-4684.573	-5446.9905	-122.33767	-80.364164	-8.92811
-98036.421	-32258.612	-28601.323	-13248.457	-20532.635	-28237.555	-23398.301	-28640.293	-1604.8329	-1649.1771	-117.87122
1.1	0.19	0.16	2.15	0.38	2.2	1.01	0.43		0.03	
7113.0888	2049.7612	1577.0555	1410.666	1432.5491	3350.0567	2166.3596	1723.6161	101.8134	132.288	16.9987
0.58	0.24	0.27	0.22	0.11	0.22	0.12	0.18	0.02	0.05	

235.0392	97.2576	109.4148	89.1528	44.5764	89.1528	48.6288	72.9432	8.1048	20.262	
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
63687.4266	21886.3506	19248.663	15146.8482	14339.7051	28280.3441	19684.4123	17272.3056	1126.35202	1390.91881	171.819983
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
235.0392	97.2576	109.4148	89.1528	44.5764	89.1528	48.6288	72.9432	8.1048	20.262	
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
13472.617	4250.2632	3645.0042	3286.3322	2802.125	5545.9658	3828.8236	3739.1556	228.6534	260.0372	26.9004

10.872012	11.025998	11.086042	11.260645	11.278102	11.201103	11.250813	11.247428	11.2692	11.219614	11.160415
0.715176	0.597788	0.565452	0.468882	0.480807	0.506447	0.489529	0.496958	0.487483	0.497849	0.527197
0.689977	0.575421	0.544065	0.240306	0.463965	0.486857	0.470307	0.475492	0.471975	0.480905	0.50979
632520.924	511599.321	392239.5	294706.112	511275.098	634631.517	606633.148	502380.736	517707.465	545128.676	619651.427
2668.55034	2464.05809	2126.8551	1621.11533	2673.5192	2674.31579	2681.10556	2768.33128	2776.19359	2565.22931	2486.13717
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
0.033693	0.037978	0.03663	0.029551	0.03557	0.039285	0.040612	0.044765	0.032328	0.034947	0.033457
291355.224	263748.752	245502.07	126911.689	213364.761	236875.034	229801.904	227058.232	240380.772	229599.872	236910.462
299900.307	272669.5	254602.78	130387.861	220539.89	244827.338	237596.719	233924.545	248979.394	237793.824	245267.207
2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185
462817.774	418964.892	389980.04	201599.218	338929.923	376275.991	365040.324	360682.001	381844.856	364719.397	376332.269
37755.54	40150.92	39242.94	24121.41	39395.01	41802.6	41744.88	40715.91	43823.91	41134.38	40339.62
107.260056	107.06912	106.63842	56.890117	107.051657	106.639285	106.49204	106.031015	107.411544	106.842545	107.286223
39072	41736	40848	47064	40848	43512	43512	42624	45288	42624	41736
111	111.296	111	111	111	111	111	111	111	110.711688	111
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
30.17319	30.692044	30.826781	32.012466	31.372129	31.157477	31.331777	31.419511	31.304642	31.281851	31.054153
29.949088	30.346766	30.49998	30.966627	31.006983	30.804331	30.933678	30.930186	30.979536	30.850459	30.697136
808476.125	734833.542	684036.37	360052.929	594002.842	659564.785	640188.947	633429.823	668942.977	641053.041	660119.661
944297.44	701161.706	607854.66	246087.666	426123.584	537331.799	496151.46	453944.489	489227.396	498572.992	539826.486
135821.315	-33671.836	-76181.71	-113965.26	-167879.26	-122232.99	-144037.49	-179485.33	-179715.58	-142480.05	-120293.18
944297.44	701161.706	607854.66	246087.666	426123.584	537331.799	496151.46	453944.489	489227.396	498572.992	539826.486
340.14	361.72	353.54	217.31	354.91	376.6	376.08	366.81	394.81	370.58	363.42
170096.201	215578.461	285234.78	54019.4175	76243.7842	17824.3475	26290.6394	122221.527	144751.552	87721.7655	33437.4341
235552.031	264628.627	330729.41	61436.3629	85838.4121	20993.2123	30556.762	139411.779	154628.682	98852.49	37315.2238

35.612089	47.832689	56.665064	34.009083	35.204662	21.341005	25.817341	35.382846	47.740307	40.437486	22.550491
5836.92856	7328.65563	9618.7824	1852.92935	2566.31371	603.680296	893.363075	4160.45731	4857.80799	2965.18084	1135.49362
24.872813	22.445171	21.816022	17.705057	18.840224	19.989439	19.926519	17.951022	20.203043	20.869681	21.98609
24.792935	22.079519	20.584793	17.423542	18.184552	19.96286	19.879324	17.090024	19.624443	20.660685	21.942269
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
76.587539	64.042144	60.391217	26.673971	51.500201	54.041188	52.204122	52.779625	52.389318	53.241875	56.586734
-16470.061	-171533.31	-204505.64	-180302	-279405.02	-246047.57	-264154.94	-298168.67	-305362.61	-262491.9	-244126.27
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21121.8854	16687.1484	12605.186	9456.83465	16385.7603	20580.4657	19570.6529	16106.9187	16517.034	17532.9412	20141.1184
632520.924	511599.321	392239.5	294706.112	511275.098	634631.517	606633.148	502380.736	517707.465	545128.676	619651.427
126.04	125.49	141.36	35.5	53.8	23.1	30.6	74.25	90.67	69.59	44.33
-135821.31	33671.8362	76181.71	113965.263	167879.258	122232.986	144037.487	179485.334	179715.581	142480.05	120293.176
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176.52	215.84	190.63	161.01	280.75	329.88	326.53	266.5	294.21	288.01	308.66
		0.002717	0.469339							
78243.3831	72396.2487	63084.234	36511.0712	66295.1876	85851.7723	82289.9131	64380.9166	72086.7878	76014.4092	87644.132
0.75	0.98	0.84	1.45	0.83	0.91	0.93	1.13	0.83	1.05	0.9
5859	7655.76	6562.08	11327.4	6483.96	7108.92	7265.16	8827.56	6483.96	8202.6	7030.8
960767.501	872695.015	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.006	761064.894	783952.76
960767.501	872695.015	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.006	761064.894	783952.76
762718.081	691634.392	644582.81	331987.079	559469.812	621103.329	602637.044	594606.546	630824.251	602513.221	621599.476
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
5859	7655.76	6562.08	11327.4	6483.96	7108.92	7265.16	8827.56	6483.96	8202.6	7030.8
960767.501	872695.015	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.006	761064.894	783952.76
39899.0447	35543.3899	32891.473	16738.4507	28049.0695	31352.5361	30286.7437	29995.7165	31634.7662	30337.2206	31489.3858
	0.08	3.56	0.59	5.12	0.02		6.18	0.75	0.02	0.16

0.02784	0.022739	0.035896	0.03165	0.035733	0.031147	0.029464	0.030625	0.028088	0.022994	0.02984

1026.6	1102.35	1064.37	1231.74	1064.55	1139.37	1141.35	1116.72	1189.62	1125.51	1094.34
2.916477	2.9396	2.892309	2.905047	2.892798	2.906556	2.911607	2.908125	2.915735	2.923402	2.910478
1056	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

11.376722	11.508623	11.553294	11.847599	11.86486	11.730394	11.744603	11.896022	11.696242	11.640496	11.541988
0.782759	0.701211	0.680842	0.564245	0.562189	0.595581	0.597955	0.560028	0.614533	0.63044	0.653248
0.739945	0.6666	0.647419	0.344262	0.538195	0.569435	0.569468	0.469081	0.589805	0.600932	0.550527
269456.888	263083.135	251501.77	156770.774	214582.542	239767.098	239956.782	194131.634	257611.03	246178.727	218648.561
1145.05518	1275.42249	1370.9149	860.161658	1116.76872	1010.93183	1062.43466	1087.79811	1382.34946	1158.77171	872.768858
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
0.055539	0.050904	0.050298	0.046556	0.043885	0.04403	0.04551	0.048515	0.041544	0.045078	0.039175
126291.128	123213.382	117655.77	73619.2182	100617.555	112383.889	112455.167	91089.4097	120646.467	115247.185	102344.894
130053.962	127222.293	121821.14	75752.8417	103913.087	116072.328	116188.922	93908.4763	124779.932	119255.22	105848.026
2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478
128539.111	125406.58	119750.04	74929.6403	102408.547	114384.322	114456.869	92710.8011	122793.974	117298.585	104166.633
14295.35	15344.98	15028.07	11103.46	15129.55	16113.82	16048.89	13815.04	16815.15	15727.25	13602.62
40.611789	40.919946	40.837146	26.187405	41.112907	41.106683	40.941045	35.976666	41.213602	40.85	36.17718
15136	16168	15824	18232	15824	16856	16856	16512	17544	16512	16168
43	43.114666	43	43	43	43	43	43	43	42.888311	43
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
24.774169	25.07853	25.054568	26.547931	25.863691	25.559023	25.4952	26.513869	25.400323	25.267911	25.464859
24.267442	24.532379	24.619883	25.23281	25.262824	24.983846	25.010464	25.325782	24.91235	24.79766	24.599304
274519.098	268377.202	255604.73	164151.553	219335.609	245022.521	244400.706	202324.671	262209.526	250584.009	225836.126
374166.115	298447.892	268558.4	137063.08	187395.364	235242.128	225025.276	168782.95	233781.315	234177.93	220450.768
99647.0172	30070.6909	12953.67	-27088.473	-31940.245	-9780.3931	-19375.431	-33541.721	-28428.211	-16406.078	-5385.3578
374166.115	298447.892	268558.4	137063.08	187395.364	235242.128	225025.276	168782.95	233781.315	234177.93	220450.768
332.45	356.86	349.49	258.22	351.85	374.74	373.23	321.28	391.05	365.75	316.34
		6.819581					0.759144			
		6.448139					0.242939			
		0.245999					0.028207			
		0.245999					0.028207			
27.396117	20.515696	21.829362	18.078901	18.692542	20.05726	19.531804	16.950639	20.162241	19.999427	21.618407
10.684485	8.411435	20.012678	18.078901	6.729315	6.418323	7.617403	5.166722	5.847049	7.799776	5.404601
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
31.817642	28.74024	27.839021	14.803278	23.142391	24.485714	24.487142	20.17052	25.361642	25.772987	23.672686
33634.6444	-34332.944	-48544.999	-65569.238	-84533.041	-68523.452	-78155.746	-81154.155	-91490.119	-76645.782	-58881.034
33634.6444	-34332.944	-48544.999	-65569.238	-84533.041	-68523.452	-78155.746	-81154.155	-91490.119	-76645.782	-58881.034

11199.81	10777.59	10244.514	6276.59	8516.4	9598.4	9598.96	7745.45179	10347.55	9922.6	8900.93
269456.888	263083.135	251501.77	156770.774	214582.542	239767.098	239956.782	194131.634	257611.03	246178.727	218648.561
-99647.017	-30070.691	-12953.67	27088.4727	31940.2453	9780.39308	19375.4307	33541.7207	28428.2105	16406.0782	5385.3578
-99647.017	-30070.691	-12960.118	27088.4727	31940.2453	9780.39308	19375.4307	33541.4778	28428.2105	16406.0782	5385.3578
2.18	4.28	5.66	135	3.71	2.54	4.39	2.37	2.49	4.31	2.66
			0.35849			0.002551	0.122395		0.002604	0.125
75306.2619	70564.2138	61725.201	43296.6234	64726.9936	84506.1162	81191.5046	53508.7786	70365.8639	74595.0506	73530.2174
1.31	1.37	1.06	1.91	1.23	1.36	1.15	2.12	1.19	1.14	1.86
5062.20942	5294.06634	4096.1389	7380.77862	4753.06686	5255.42352	4443.9243	8192.27784	4598.49558	4405.28148	7187.56452
340531.47	332780.836	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.434	310823.712	279331.802
340531.47	332780.836	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.434	310823.712	279331.802
258593.072	252628.873	241571.18	150682.482	206321.634	230456.65	230645.791	186619.277	247573.907	236553.805	210014.659
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
5062.20942	5294.06634	4096.1389	7380.77862	4753.06686	5255.42352	4443.9243	8192.27784	4598.49558	4405.28148	7187.56452
340531.47	332780.836	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.434	310823.712	279331.802
10863.8157	10454.2623	9937.4172	6088.2923	8260.908	9310.448	9310.9912	7513.1156	10037.1235	9624.922	8633.9021

0.040426	0.033351	0.020163	0.018514	0.040108	0.042857	0.02551	0.029973	0.02299	0.023151	0.025744

1013.31	1090.38	1081.74	1248.45	1059.72	1125.6	1146	1117.47	1195.86	1125.33	1098.96
2.878721	2.90768	2.93951	2.944457	2.879673	2.871428	2.923469	2.910078	2.931029	2.922935	2.922765
1056	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

10.145833	4.351182	3.086073	2.386103	3.253089	6.219476	4.087329	2.965402	0.14
0.028659	0.00478	0.003119	0.003894	0.005119	0.010289	0.005525	0.008214	0.000156
0.027812	0.004643	0.00301	0.003858	0.005027	0.010035	0.005382	0.007958	0.000156
1241.18869	116.785275	21.85606	1273.26371	214.659931	2808.30834	587.834014	375.658703	
5.161605	0.523544	0.107596	6.68711	0.843856	9.750316	2.204347	1.647922	

489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
0.029588	0.02988	0.033668	0.028879	0.029103	0.029706	0.02667	0.034166	0.026556	0.032669	0.032433
6929.5	1227.3	779.8	1150.6	1316.9	2796.7	1495.9	2172.8	44.8		
23611.7766	4628.83108	3405.1813	4285.20333	5663.6217	11905.1128	6375.6621	8087.64788	170.078002		
2.617227	1.193522	0.94408	0.63866	0.941884	1.803441	1.205352	0.813494	0.037963		
409.483154	33.374983	5.6	338.109143	50.329393	655.351544	133.702429	111.871906			
17087.8	18274.7	17645.8	20649.4	17922.4	19002.9	19071.4	18547.9	19857.2	18568.1	18164.6
48.544886	48.732533	47.950543	48.701415	48.702173	48.476785	48.65153	48.301822	48.669607	48.228831	48.310106
17600	18800	18400	21200	18400	19600	19600	19200	20400	19200	18800
50	50.133333	50	50	50	50	50	50	50	49.870129	50
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
52.213561	22.411733	15.653235	11.933905	21.876763	45.154901	28.04419	19.84404	0.531493		
37.112619	16.821364	13.39722	9.028264	13.336499	25.535603	17.055485	11.606367	0.531493		
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002		
28267.2945	5156.83938	3777.7143	4750.93258	6714.44947	14182.2818	7347.51141	9803.53655	179.071494		
4544.49192	508.454302	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
28267.2945	5156.83938	3777.7143	4750.93258	6714.44947	14182.2818	7347.51141	9803.53655	179.071494		
279.62	223.15	165.97	171.03	206.69	346.6	283.25	170.96	159.85	90.82	57.19
22481.6139	4531.5998	3406.9702	3057.44763	5456.99177	9116.95546	5807.68009	7733.15118	170.078002		
26746.4117	5029.74642	3755.1278	3312.79983	6472.66126	10838.2763	6669.77944	9320.86045	179.071494		
15.311956	6.551065	4.35	3.082353	4.857613	8.664802	5.952297	4.810962	0.4		
460.358346	84.916072	55	57.713632	88.905043	150.247412	95.960992	144.916292	3.2		
51.639443	46.520748	56.891207	54.380386	60.875282	61.147794	61.333858	54.312841			
12.370523	1.860829	0.568912	5.961116	4.261269	17.73286	7.331338	2.715642			
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
1.390625	0.2328	0.150543	0.192924	0.251358	0.501785	0.269132	0.397916	0.007843		
4544.49192	508.454302	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
4544.49192	508.454302	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
29.141653	2.383927	0.4	24.086367	3.594956	46.452587	9.539007	7.883707			
1241.18869	116.785275	21.85606	1273.26371	214.659931	2808.30834	587.834014	375.658703			
6.14	1.27	0.83	0.89	1.27	2.42	1.47	1.92	0.06		
-4544.4919	-508.4543	-348.88797	-420.22125	-1042.7978	-2257.018	-951.99731	-1694.7267	-8.993491		
-31290.904	-5538.2007	-4104.0158	-3733.0211	-7515.459	-13095.294	-7621.7767	-11015.587	-188.06499		
0.13	0.03	0.01	0.26	0.02	0.34	0.05	0.06			
3343.6995	501.1912	295.9658	418.7838	643.1134	1634.7431	786.7179	956.628	16.0845		

0.16	0.04	0.05	0.08		0.01	0.02	0.02	
82.976	17.684	22.105	43.528		4.421	12.922	8.842	
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002
23611.7766	4628.83108	3405.1813	4285.20333	5663.6217	11905.1128	6375.6621	8087.64788	170.078002
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2
82.976	17.684	22.105	43.528		4.421	12.922	8.842	
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002
28.05	1.87	1.54	1.98	8.03	15.73	6.93	12.32	

0.026363	0.02851	0.022065	0.033844	0.030135	0.043239	0.033392	0.024218	0.027794	0.033984	0.031462

1370.88	1461.12	1439.52	1638.6	1427.64	1500.2	1515.64	1498.8	1586.64	1483.8	1456.68
3.894545	3.89632	3.911739	3.864622	3.879456	3.82704	3.866428	3.903125	3.888823	3.854025	3.874148
1408	1504	1472	1696	1472	1568	1568	1536	1632	1536	1504
4	4.010666	4	4	4	4	4	4	4	3.98961	4

10.278127	10.383388	10.418151	10.670558	10.647519	10.552662	10.582391	10.675914	10.548869	10.501678	10.452951
0.655717	0.526431	0.492915	0.346141	0.363538	0.396618	0.382036	0.388853	0.400032	0.422155	0.456964
0.623099	0.498124	0.462873	0.240734	0.346528	0.373558	0.357043	0.36998	0.38036	0.39966	0.430996
332647.803	287393.653	248020.05	158867.141	201315.579	230490.194	220785.505	219784.304	241800.419	240394.118	252264.314
1413.33802	1384.95596	1341.9549	873.397493	1028.82376	956.585624	963.325862	1202.93144	1290.65057	1124.43523	1008.11019
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
0.050539	0.057499	0.060788	0.064669	0.049375	0.05875	0.067882	0.052421	0.051029	0.055572	0.06125
130476.275	112787.351	103062.9	63004.7134	79057.1024	90174.1324	86357.849	87674.5697	95399.4415	93979.6204	98602.3536
134267.764	116909.629	107186.6	64824.9089	81968.1499	93531.1078	89630.642	90331.8701	99146.7119	97702.3705	102448.693
2.5022	2.5022	2.5022	2.502199	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022
192087.172	166045.539	151729.21	92755.539	116387.866	132754.358	127136.025	129074.502	140447.058	138356.797	145162.385
19584.706	20766.668	20200.006	17202.03	20500.038	21621.642	21411.854	21322.782	22688.748	21251.876	20684.042

55.638369	55.377781	54.89132	40.570825	55.706624	55.157249	54.622076	55.528078	55.609676	55.199677	55.010749
20627.2	22033.6	21564.8	24846.4	21564.8	22971.2	22971.2	22502.4	23908.8	22502.4	22033.6
58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
28.376483	29.846104	29.884022	35.429927	30.852716	30.115947	30.727172	30.561659	30.183602	30.237785	29.996342
26.20795	26.4679	26.549553	27.190969	27.126589	26.888028	26.960554	27.198777	26.876537	26.757721	26.639675
352811.716	314627.39	289925.82	198900.904	226734.274	255382.069	247956.215	245748.297	271045.227	266234.25	277857.37
462913.662	336032.898	290082.3	145052.986	188500.975	237011.129	217962.579	208586.309	226346.389	236377.102	256486.417
110101.946	21405.5084	156.47805	-53847.918	-38233.299	-18370.94	-29993.636	-37161.989	-44698.837	-29857.147	-21370.953
462913.662	336032.898	290082.3	145052.986	188500.975	237011.129	217962.579	208586.309	226346.389	236377.102	256486.417
334.21	354.38	344.49	293.55	349.83	368.97	365.39	363.87	387.18	362.66	352.97
4.999297	939.501397	15786.831	1644.17968	702.114118			3701.54138	2249.39254	71.781407	
7.199212	1167.78643	19863.214	2007.78294	773.420538			4384.02597	2611.19288	80.409279	
0.080698	3.997875	12.817061	6.446501	4.757928			8.638251	6.808199	0.813194	
0.191999	36.701814	613.83728	64.771044	27.10426			145.704936	86.203486	2.743012	
29.706894	23.082804	23.7089	17.559816	19.556665	19.558415	19.41895	18.800996	22.219054	20.773375	22.263537
23.171377	21.681016	23.327943	17.549366	17.933635	16.624652	14.952592	17.799926	20.806535	17.029903	18.2561
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
36.513607	29.267957	27.12438	14.107014	20.306548	21.890505	20.922729	21.680875	22.289127	23.359298	25.256382
41901.9973	-37548.44	-53714.502	-86780.482	-79556.446	-65504.959	-75132.884	-82989.486	-94564.125	-78980.295	-72910.403
41901.9973	-37548.44	-53714.502	-86780.482	-79556.446	-65504.959	-75132.884	-82989.486	-94564.125	-78980.295	-72910.403
12852.598	10938.7822	9367.9347	5916.60296	7445.70574	8581.078	8201.71	8179.75106	9007.76051	8990.58699	9496.4
332647.803	287393.653	248020.05	158867.141	201315.579	230490.194	220785.505	219784.304	241800.419	240394.118	252264.314
	0.14	2.56	3.44	0.19			0.76	0.37	0.06	
-110101.95	-21405.508	-156.47805	53847.9184	38233.2987	18370.94	29993.636	37161.9886	44698.8374	29857.1473	21370.953
-110109.15	-22573.295	-20019.692	51840.1354	37459.8782	18370.94	29993.636	32777.9627	42087.6445	29776.738	21370.953
16.56	20.5	15.48	67.94	17.95	23.77	21.59	24.69	18.94	20.95	19.01
		0.002717	0.261792							
71795.2179	65553.2684	56887.43	43647.1661	60729.0676	78661.1675	73959.5114	60464.051	65563.0373	69115.3581	78493.0553
1.15	1.5	1.49	2.19	1.41	1.42	1.55	1.27	1.54	1.47	1.46
20158.9135	26294.235	26118.94	38389.5831	24716.5809	24891.8758	27170.7095	22262.4523	26995.4146	25768.3503	25593.0554
421011.665	373581.338	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.515	315357.397	329396.82
421011.665	373581.338	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.515	315357.397	329396.82
326354.935	282955.167	258915.81	157580.448	198356.016	226285.465	216766.667	219406.372	239593.77	236059.168	247611.078
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4

20158.9135	26294.235	26118.94	38389.5831	24716.5809	24891.8758	27170.7095	22262.4523	26995.4146	25768.3503	25593.0554
421011.665	373581.338	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.515	315357.397	329396.82
6297.8671	5377.98716	4891.0683	2930.87326	3661.6769	4204.72822	4018.8379	4079.47344	4456.04236	4406.7317	4653.236
8.1	3.6	1.65	1.95	2.7	5.55	3.3	2.7	0.15		
0.022996	0.002734	0.001889	0.002414	0.004378	0.008716	0.004153	0.007286	0.000051		
0.022471	0.002686	0.001793	0.002358	0.004293	0.008596	0.00403	0.007005	0.000049		
117.819016	2.27611		65.130243	16.522255	476.436195	57.447661	75.975305			
0.492	0.010747		0.339828	0.053588	1.663706	0.205295	0.327249			
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		
0.027755	0.032632	0.033777	0.027216	0.022391	0.03176	0.040229	0.03414	0.031225	0.030963	0.024308
1661.1	212.1	138.6	210	331.8	707.7	331.8	564.9	4.2		
5508.34599	843.536447	607.67237	792.679124	1426.25229	3010.77424	1422.8438	2085.31642	15.944812		
1.91555	0.988668	0.476281	0.485703	0.746125	1.534677	0.91274	0.702867	0.037963		
34.921334	0.773339		13.414136	4.2	110.444198	13.123402	23.1			
4791.22	5092.22	4977.98	5774.44	5036.64	5313.7	5267.22	5192.46	5533.64	5209.54	5136.04
13.61142	13.579253	13.527119	13.618962	13.686521	13.555357	13.436785	13.522031	13.562843	13.531272	13.65968
4928	5264	5152	5936	5152	5488	5488	5376	5712	5376	5264
14	14.037333	14	14	14	14	14	14	14	13.963636	14
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		
28.925185	14.830029	7.144229	8.455738	11.249581	23.020166	13.691113	10.54301	0.569457		
28.925185	14.830029	7.144229	8.455738	11.249581	23.020166	13.691113	10.54301	0.569457		
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812		
6539.13464	925.79693	663.62436	858.811467	1656.89806	3544.01042	1624.22494	2470.40655	16.361991		
999.288643	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178		
6539.13464	925.79693	663.62436	858.811467	1656.89806	3544.01042	1624.22494	2470.40655	16.361991		
158.71	118.5	96.02	116.91	129.11	185.3	143.52	119.18	89.1	42.43	34.59
5422.02698	841.260336	607.67237	780.048881	1420.23004	2534.33804	1365.39614	2009.34112	15.944812		
6397.34725	923.163843	663.62436	801.191679	1639.77372	2990.66887	1560.76978	2375.29732	16.361991		
7.40002	3.354271	1.54	1.587732	2.38	4.90267	3.008551	2.52	0.14		
108.411911	14.088444	9.24	13.105724	21.84	39.817053	21.245106	36.12	0.28		
54.286611	44.148339		64.427632	61.419153	64.65447	69.0674	54.408844			
3.800062	0.441483		3.35557	0.614191	9.69817	4.144044	0.544088			
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		

0.314602	0.037706	0.025108	0.033018	0.060108	0.120357	0.056428	0.098072	0.000686
999.288643	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178
999.288643	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178
2.328088	0.051555		0.894275	0.28	7.362946	0.874893	1.54	
117.819016	2.27611		65.130243	16.522255	476.436195	57.447661	75.975305	
5.34	0.84	0.51	0.84	0.87	1.67	0.98	1.57	0.02
-999.28864	-82.260483	-55.951992	-13.632343	-220.14576	-533.23618	-201.38114	-385.09013	-0.417178
-7396.6359	-1005.4243	-719.57636	-814.82402	-1859.9195	-3523.9051	-1762.1509	-2760.3875	-16.77917
0.09			0.01	0.02	0.27	0.03	0.06	
1868.5869	222.1683	132.3098	191.4517	350.0085	918.6386	399.3753	549.7977	3.9979
0.03			0.05	0.01				
31.5			52.5	10.5				
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812
5508.34599	843.536447	607.67237	792.679124	1426.25229	3010.77424	1422.8438	2085.31642	15.944812
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28
31.5			52.5	10.5				
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812

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0.429013	0.350232	0.332181	0.207301	0.271356	0.292005	0.281782	0.277822	0.282471	0.291055	0.302502
0.412899	0.336305	0.318201	0.154761	0.262178	0.280222	0.270234	0.262562	0.272735	0.279837	0.287455
1246400.21	1063869.95	892615.66	621306.649	931302.206	1126277.5	1076035.37	919488.894	1017121.43	1031871.39	1090658.58
5275.87628	5132.59865	4843.9796	3412.30812	4836.07093	4717.77389	4739.56827	5073.20952	5449.2055	4849.18121	4367.34752
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
0.03448	0.03536	0.035331	0.033636	0.032922	0.037942	0.036015	0.036799	0.031408	0.034384	0.032558
573129.602	506367.828	471580.58	268900.614	398102.505	449695.21	435108.039	413116.07	456754.295	439143.533	437890.488
657029.582	544160.139	506872.03	291190.342	427850.706	497627.005	470899.201	445610.161	474218.413	456142.333	453735.746
2.509579	2.469193	2.466433	2.453161	2.468283	2.48326	2.466888	2.485275	2.44411	2.444538	2.458982
783444.056	710417.011	661459.29	369284.397	557726.336	623414.67	606633.219	582467.304	645085.889	620374.779	625661.287
2693.7943	407.200786	171.84069	2422.64603	827.508804	4364.12115	1721.56017	741.13104	0.465644	32.036528	15.529151
124446.341	132496.648	129370.16	116085.615	130471.863	138091.367	137950.624	133193.822	144588.788	135504.691	131107.692
353.540741	353.324394	351.54935	273.786827	354.543105	352.273895	351.914857	346.858911	354.384284	351.960236	348.69067
129219.2	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6

367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
201.185804	149.579535	133.52765	127.981625	142.976419	186.232544	151.596566	139.571108	94.127773	95.720627	89.941568
28.499035	28.297461	28.389832	28.785838	29.031913	28.99197	28.88078	29.167683	28.536163	28.406614	28.365588
1542464.67	1349563.93	1256606.5	746803.61	1064367.53	1208820.88	1163926.09	1112781.32	1203746.86	1159542.52	1164011.88
1910236.27	1371912.74	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.982	970879.606	1016971.32
367771.601	22348.8168	-59394.369	-191478.79	-232705.33	-139073.96	-187568.6	-242662.24	-252710.88	-188662.91	-147040.56
1910236.27	1371912.74	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.982	970879.606	1016971.32
1684	1578.61	1464.1	1174	1561.81	1895.06	1741.91	1478.46	1581.98	1355.91	1231.09
264984.337	246449.915	327213.68	68399.1995	97111.7208	45287.1593	49010.9269	154010.137	148547.56	89294.8995	33541.8751
350081.868	300054.197	380346.8	77817.5858	111172.377	54539.6113	57501.0394	178685.508	158917.803	100501.712	37424.1669
16.69776	14.314537	15.675925	8.494498	10.809171	9.427497	8.670578	11.500484	10.435338	12.508599	6.095446
7909.97674	7974.59558	10750.996	2193.772	2984.59704	1129.17637	1338.70218	4906.59181	4977.02204	2998.16259	1137.32491
32.15542	25.016555	23.275238	20.610075	22.105267	28.831374	24.827244	20.051218	21.02289	20.96477	22.565901
32.114653	24.848394	22.790064	20.432749	21.804325	28.809708	24.781675	19.645643	20.724001	20.858692	22.542911
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
151.575437	123.787088	116.81163	56.812896	96.245663	102.869806	99.203127	96.386697	100.121117	102.461537	105.525058
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45444.5773	38445.5624	32235.684	21894.896	32433.807	39195.7876	37548.9238	32105.9002	35872.394	36449.5294	38540.0971
1246400.21	1063869.95	892615.66	621306.649	931302.206	1126277.5	1076035.37	919488.894	1017121.43	1031871.39	1090658.58
155.15	134.86	151.94	43.88	59.83	32.84	38.13	82.9	91.55	70.2	44.39
-367771.6	-22348.817	59394.369	191478.791	232705.332	139073.964	187568.602	242662.236	252710.88	188662.911	147040.558
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196.58	240.84	211.94	366.37	302.83	359	353.6	294.11	315.64	313.3	330.33
		0.000494	0.099056			0.000231	0.011126		0.000236	0.011363
237670.238	211286.852	183702.2	125475.762	194176.92	254922.494	240793.382	181583.788	208137.585	219857.106	239684.403
3.98	4.13	3.71	5.9	3.59	3.92	3.77	4.72	3.58	3.71	4.22
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
1828968.37	1610782.98	1500300.1	884553.679	1269809.24	1438512.53	1387963.11	1324904.59	1442321.09	1388917.22	1392880.1
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1440473.64	1254577.15	1168331.3	660474.739	985577.041	1121041.68	1077532.42	1028077.47	1119304.3	1076517.11	1079397.03
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
1828968.37	1610782.98	1500300.1	884553.679	1269809.24	1438512.53	1387963.11	1324904.59	1442321.09	1388917.22	1392880.1

70561.3945	55627.7726	51366.502	29045.9285	42781.8094	50429.4081	47452.3264	45339.7811	46356.5854	44628.9115	44803.4243
	0.08	3.56	0.59	5.12	0.02		6.18	0.75	0.02	0.16
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
1228.05465	1226.29335	797.56101	2543.82551	1433.76785	2637.72036	2581.4062	1263.86385	1512.56339	1912.56378	2483.50968
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83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
195.44	239.89	210.24	379.01	301.49	358.32	353.12	293.29	314.33	313.11	330.41
160.416037	140.550909	114.67883	150.313103	153.28505	197.936073	189.30919	151.345341	126.67133	153.385434	187.62775
74.272352	59.324927	41.053679	76.015697	56.553637	95.963782	91.679814	57.409714	53.310919	71.261639	95.924862
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2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2824700.2	2193795.45	1737480.1	1898106.15	1698592.42	2659797.32	2471005.06	1542302.1	1851567.93	2173383.07	2727605.38
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
1228.05465	1226.29335	797.56101	2543.82551	1433.76785	2637.72036	2581.4062	1263.86385	1512.56339	1912.56378	2483.50968
-83127.342	-77697.952	-67671.757	-77150.756	-70691.388	-92259.396	-88303.939	-69690.476	-76229.255	-81468.359	-93297.614
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
195.44	239.89	210.24	379.01	301.49	358.32	353.12	293.29	314.33	313.11	330.41
160.416037	140.550909	114.67883	150.313103	153.28505	197.936073	189.30919	151.345341	126.67133	153.385434	187.62775
74.272352	59.324927	41.053679	76.015697	56.553637	95.963782	91.679814	57.409714	53.310919	71.261639	95.924862

15627.8041	14790.3134	8921.3766	28965.903	17352.3824	34689.5052	32658.7315	17296.7367	16978.4716	22565.8422	32124.609
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-236.15722	-207.19454	-183.89065	-181.95933	-192.09616	-235.3556	-225.26515	-181.48562	-186.83641	-211.60613	-248.13195
-2531873.3	-1938065.8	-1588604.9	-1432012.7	-1411930.1	-2032161.4	-1884476.2	-1306140.1	-1563878.7	-1765135.5	-2109414.3
-30.476667	-24.951681	-23.463775	-18.559578	-19.967709	-22.037444	-21.351342	-18.752197	-20.518457	-21.674815	-22.612092
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2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2824700.2	2193795.45	1737480.1	1898106.15	1698592.42	2659797.32	2471005.06	1542302.1	1851567.93	2173383.07	2727605.38
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28

246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	244635.777
1050.43553	1270.98104	1535.7409	1628.3638	1118.09395	761.086668	776.782178	1201.20881	1365.77779	1164.2066	992.078789
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061
226294.466	194032.917	197077.78	163604.437	121084.52	111747.034	107781.125	118464.643	155451.425	158393.857	165285.309
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061
21.189834	21.016118	23.055185	21.01261	17.207576	13.574764	13.306815	16.845152	18.745393	19.266966	19.707953
-20592.53	-66829.648	-83752.815	-131294.94	-88517.524	-64388.25	-64877.465	-95643.984	-97701.368	-87134.732	-80023.352
-20592.53	-66829.648	-83752.815	-131294.94	-88517.524	-64388.25	-64877.465	-95643.984	-97701.368	-87134.732	-80023.352
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7390.22148
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	244635.777
20592.5304	66829.648	83752.815	131294.939	88517.5235	64388.2502	64877.4654	95643.9838	97701.3676	87134.7319	80023.3518
20592.5304	66829.648	83752.815	131294.939	88517.5235	64388.2502	64877.4654	95643.9838	97701.3676	87134.7319	80023.3518
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061

246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061
226294.466	194032.917	197077.78	163604.437	121084.52	111747.034	107781.125	118464.643	155451.425	158393.857	165285.309
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246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	243970.352
1047.14557	1267.31621	1529.4812	1623.08326	1117.17301	757.800878	773.701034	1198.45056	1362.72262	1160.78731	989.453335
8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8328.95845
254236.213	218027.391	221243.51	183793.963	136255.457	125490.011	121027.933	133195.137	174786.127	177974.549	185762.145
24.414943	21.032549	20.3643	18.552768	13.450926	25.953959	15.86838	16.858413	21.209271	22.786757	20.339831
1.220747	0.630976	3.258288	12.615882	0.538037	0.519079	0.952102	1.854425	0.212092	1.139337	2.033983
8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8328.95845
23.806503	23.61587	25.879194	23.604695	19.374725	15.234098	14.937731	18.940213	21.076183	21.649905	22.151485
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0.27	0.22	0.56	13.16	0.22	0.14	0.27	0.81	0.06	0.48	1.12
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
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246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	244645.79
8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8328.95845
246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	244645.79
246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	244645.79
8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8328.95845
254236.213	218027.391	221243.51	183793.963	136255.457	125490.011	121027.933	133195.137	174786.127	177974.549	185762.145
8118.86952	-42071.9	-58462.962	-110152.47	-73149.675	-49900.772	-50950.762	-80414.11	-77768.931	-66830.675	-58883.645
246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	244645.79
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
747.075709	924.764002	1142.9803	986.509575	1037.3476	885.418867	893.593999	865.590361	727.949511	683.523228	692.247543

3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
104012.688	90611.462	92632.169	63543.6239	72454.0889	82796.1317	79774.9861	55339.8234	53105.4885	59349.312	74273.3753
3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
9.733544	9.877982	11.053061	8.235481	10.35983	10.207858	9.911589	7.841322	6.425742	7.313258	8.874301
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3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
71511.9328	99156.9299	115747.21	115343.543	122856.064	122199.721	119271.138	98917.1729	81204.3577	84894.1134	96667.6707
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83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
104012.688	90611.462	92632.169	63543.6239	72454.0889	82796.1317	79774.9861	55339.8234	53105.4885	59349.312	74273.3753
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175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	251254.333
833.140639	1377.4531	1700.9421	1498.31481	1360.24084	935.825794	989.399971	1389.29685	1708.53961	1287.38403	1027.67457
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3611.09152
84511.6192	97647.1021	101681.39	70070.2981	66603.596	60522.0172	61750.3337	63940.9594	90983.4765	81518.0897	79030.3923
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3611.09152
7.926256	10.72223	12.063366	9.151829	9.865472	7.85599	8.007852	9.206226	11.052654	10.089316	9.603966
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2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3599.47199
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	251254.333
110233.334	183007.292	208183.06	200779.927	186804.869	154430.447	157357.311	182815.374	223778.434	189612.105	173044.014

110233.334	183007.292	208183.06	200779.927	186804.869	154430.447	157357.311	182815.374	223778.434	189612.105	173044.014
81432.4509	77578.529	67671.757	77062.7212	70551.7356	90929.5984	87102.9421	69410.5741	76229.2549	81396.7136	92709.4988
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3611.09152
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3611.09152
84511.6192	97647.1021	101681.39	70070.2981	66603.596	60522.0172	61750.3337	63940.9594	90983.4765	81518.0897	79030.3923
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194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	910801.508
3677.79746	4840.51435	5909.1444	5736.27144	4632.85539	3340.13221	3433.47718	4654.54658	5164.98954	4295.90116	3701.45424
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
669054.985	600318.872	612634.86	481012.322	396397.662	380555.195	370334.378	370940.563	474326.518	477235.807	504351.221
24.414943	21.032549	20.3643	18.552768	13.450926	25.953959	15.86838	16.858413	21.209271	22.786757	20.339831
1.220747	0.630976	3.258288	12.615882	0.538037	0.519079	0.952102	1.854425	0.212092	1.139337	2.033983
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
62.656138	65.232201	72.050806	62.004615	56.807604	46.872711	46.163987	52.832915	57.299973	58.319447	60.337706
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22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22632.9077
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	910801.508
194218.927	391065.77	466146.05	557570.88	471328.131	390919.19	392456.676	457790.641	480453.09	428471.625	408618.681
194218.927	391065.77	466146.05	557570.88	471328.131	390919.19	392456.676	457790.641	480453.09	428471.625	408618.681
0.27	0.22	0.56	13.16	0.22	0.14	0.27	0.81	0.06	0.48	1.12
330814.477	310672.384	270687.03	308514.99	282625.899	367707.786	352014.758	278482.003	304917.02	325801.79	372602.34
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
669054.985	600318.872	612634.86	481012.322	396397.662	380555.195	370334.378	370940.563	474326.518	477235.807	504351.221

-194218.93	-391065.77	-466146.05	-557570.88	-471328.13	-390919.19	-392456.68	-457790.64	-480453.09	-428471.62	-408618.68
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
10.836854	10.980181	11.032523	11.247618	11.277224	11.179819	11.221693	11.247141	11.214295	11.160589	11.077232
0.429013	0.350232	0.332181	0.207301	0.271356	0.292005	0.281782	0.277822	0.282471	0.291055	0.302502
0.412899	0.336305	0.318201	0.154761	0.262178	0.280222	0.270234	0.262562	0.272735	0.279837	0.287455
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2402500.99	2310984.26	2120271.8	2125983.32	2085690.37	2525387.79	2425355.3	1984382.05	2259590.29	2345826.41	2619651.19
10181.7284	11199.4064	11550.685	11692.4051	10902.6942	10695.6265	10754.4517	10991.6199	12126.7584	11057.6462	10552.3114
-7717.8274	-6815.7179	1829.6195	-26772.131	-14367.785	-33560.329	-31320.029	-12390.145	-12001.45	-19567.68	-30933.214
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
0.03448	0.03536	0.035331	0.033636	0.032922	0.037942	0.036015	0.036799	0.031408	0.034384	0.032558
573129.602	506367.828	471580.58	268900.614	398102.505	449695.21	435108.039	413116.07	456754.295	439143.533	437890.488
657029.582	544160.139	506872.03	291190.342	427850.706	497627.005	470899.201	445610.161	474218.413	456142.333	453735.746
2.509579	2.469193	2.466433	2.453161	2.468283	2.48326	2.466888	2.485275	2.44411	2.444538	2.458982
783444.056	710417.011	661459.29	369284.397	557726.336	623414.67	606633.219	582467.304	645085.889	620374.779	625661.287
2693.7943	407.200786	171.84069	2422.64603	827.508804	4364.12115	1721.56017	741.13104	0.465644	32.036528	15.529151
124446.341	132496.648	129370.16	116085.615	130471.863	138091.367	137950.624	133193.822	144588.788	135504.691	131107.692
353.540741	353.324394	351.54935	273.786827	354.543105	352.273895	351.914857	346.858911	354.384284	351.960236	348.69067
129219.2	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6
367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
201.185804	149.579535	133.52765	127.981625	142.976419	186.232544	151.596566	139.571108	94.127773	95.720627	89.941568
28.499035	28.297461	28.389832	28.785838	29.031913	28.99197	28.88078	29.167683	28.536163	28.406614	28.365588
1542464.67	1349563.93	1256606.5	746803.61	1064367.53	1208820.88	1163926.09	1112781.32	1203746.86	1159542.52	1164011.88
1910236.27	1371912.74	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.982	970879.606	1016971.32
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
367771.601	22348.8168	-59394.369	-191478.79	-232705.33	-139073.96	-187568.6	-242662.24	-252710.88	-188662.91	-147040.56
2579291.26	1972231.61	1809847	1036337.14	1228059.86	1450302.11	1346691.87	1241059.65	1425362.5	1448115.41	1521322.54
1684	1578.61	1464.1	1174	1561.81	1895.06	1741.91	1478.46	1581.98	1355.91	1231.09
264984.337	246449.915	327213.68	68399.1995	97111.7208	45287.1593	49010.9269	154010.137	148547.56	89294.8995	33541.8751
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101

195.44	239.89	210.24	379.01	301.49	358.32	353.12	293.29	314.33	313.11	330.41
160.416037	140.550909	114.67883	150.313103	153.28505	197.936073	189.30919	151.345341	126.67133	153.385434	187.62775
6.189362	4.943743	3.421139	6.334641	4.712803	7.996981	7.639984	4.784142	4.846447	7.917959	10.658318
15,627.80	14,790.31	8,921.38	28,965.90	17,352.38	34,689.51	32,658.73	17,296.74	16,978.47	22,565.84	32,124.61
350081.868	300054.197	380346.8	77817.5858	111172.377	54539.6113	57501.0394	178685.508	158917.803	100501.712	37424.1669
9.74036	8.350147	9.144289	4.955123	6.30535	5.499373	5.057837	6.708615	5.692002	5.559377	2.709087
7,909.98	7,974.60	10,751.00	2,193.77	2,984.60	1,129.18	1,338.70	4,906.59	4,977.02	2,998.16	1,137.32
32.118166	24.975488	23.101957	20.371498	22.053643	28.854876	24.716112	19.962873	21.017724	20.999904	22.483145
32.07756	24.80876	22.645496	20.212864	21.75534	28.833235	24.670744	19.568618	20.719468	20.894142	22.460937
-7717.8274	-6815.7179	1829.6195	-26772.131	-14367.785	-33560.329	-31320.029	-12390.145	-12001.45	-19567.68	-30933.214
-21.925645	-18.175247	4.971792	-63.141818	-39.042895	-85.613083	-79.898034	-32.266002	-29.415317	-50.825141	-82.269186
-5635206.1	-5762273.2	-5484147.1	-5920863.2	-5447713.4	-6122044.1	-6018736.3	-5480950.9	-6001741.2	-5873879.4	-6088383.1
-67.818394	-74.184339	-81.064701	-76.749878	-77.104113	-66.431005	-68.19986	-78.698833	-78.751641	-72.116705	-65.281146
-5635206.1	-5762273.2	-5484147.1	-5920863.2	-5447713.4	-6122044.1	-6018736.3	-5480950.9	-6001741.2	-5873879.4	-6088383.1
67499.538	62907.6381	58750.381	48184.8531	53339.0053	57569.8907	55645.2071	52393.7396	59250.7833	58902.5165	61173.0048
2109674.12	2055254.59	1971396.6	1659889.85	1799028	1897751.88	1838826.42	1748220.1	1971901.04	1937578.82	2001460.09
5348702.42	5501054.15	5240453.5	5783113.1	5242271.71	5892352.43	5794699.32	5268827.67	5763166.95	5644504.65	5859514.85
5291447.42	5456729.62	5008981.9	6171388.98	5417761.7	6465448.73	6323727.17	5326304.11	5891938.4	5952250.53	6440281.78
		0.000494	0.099056			0.000231	0.011126		0.000236	0.011363
651612.057	599657.187	522060.98	511141.508	547494.206	714889.676	681112.078	529756.267	589283.859	627127.254	705584.357
3.98	4.13	3.71	5.9	3.59	3.92	3.77	4.72	3.58	3.71	4.22
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
8214497.37	7734504.82	7293994	6957200.31	6675773.28	7572346.19	7365428.21	6722010.58	7427103.67	7321994.77	7609705.61
5224115.62	4540233.4	4167685.8	3355149.56	3549465.08	4242148.33	4035230.35	3459775.94	3960979.37	4059760.13	4415264.29
1440473.64	1254577.15	1168331.3	660474.739	985577.041	1121041.68	1077532.42	1028077.47	1119304.3	1076517.11	1079397.03
75409.5147	70882.2336	69501.377	50378.6251	56323.6023	58699.0671	56983.9092	57300.3314	64227.8053	61900.6791	62364.3998
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
5224115.62	4540233.4	4167685.8	3355149.56	3549465.08	4242148.33	4035230.35	3459775.94	3960979.37	4059760.13	4415264.29
70561.3945	55627.7726	51366.502	29045.9285	42781.8094	50429.4081	47452.3264	45339.7811	46356.5854	44628.9115	44803.4243
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
669054.985	600318.872	612634.86	481012.322	396397.662	380555.195	370334.378	370940.563	474326.518	477235.807	504351.221
-194218.93	-391065.77	-466146.05	-557570.88	-471328.13	-390919.19	-392456.68	-457790.64	-480453.09	-428471.62	-408618.68
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902

2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
-3535446.8	-3050189.4	-3258156.8	-3327479.3	-3535446.8	-3188834.4	-3674091.8	-3258156.8	-3327479.3	-3535446.8	-3327479.3
-3535446.8	-3050189.4	-3258156.8	-3327479.3	-3535446.8	-3188834.4	-3674091.8	-3258156.8	-3327479.3	-3535446.8	-3327479.3
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
34.573772	31.523668	25.633681	24.213828	19.163839	20.003784	22.133674	21.683688	19.093817	21.163681	22.263711
21.532179	21.532159	21.532098	21.53222	21.532139	21.532301	21.532179	21.532139	21.53224	21.532159	21.532199
34.446302	31.39624	25.506248	24.086335	19.036342	19.876309	22.006244	21.556252	18.966328	21.036248	22.136266
34.544356	31.494261	25.604274	24.184407	19.134417	19.974367	22.104267	21.654279	19.064396	21.134273	22.234301
33.808952	30.759101	24.869082	23.448871	18.398855	19.238934	21.369092	20.919073	18.328887	20.399083	21.499039
34.093308	31.043363	25.153356	23.733278	18.683272	19.523301	21.65336	21.203353	18.613284	20.683356	21.78334
34.524745	31.474657	25.584669	24.164792	19.114802	19.954755	22.084663	21.634674	19.044783	21.114668	22.214694
34.563966	31.513866	25.623879	24.204021	19.154032	19.993979	22.123872	21.673885	19.08401	21.153878	22.253908

19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924
1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
34.26	31.21	25.32	23.9	18.85	19.69	21.82	21.37	18.78	20.85	21.95
5.224674	5.219629	4.681158	4.253371	4.01319	4.016728	4.052445	4.042372	4.026894	4.099883	4.749163
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
0.033014	0.027982	0.026808	0.034921	0.037254	0.030244	0.025636	0.024414	0.028151	0.030759	0.033125
8876.925	7698.375	8233.2	8338.275	8838	8029.575	9295.425	8253.45	8396.775	8897.625	8353.8
21.757169	21.870383	21.9552	21.714257	21.661764	21.819497	21.923172	21.950664	21.866601	21.807904	21.698181
9180	7920	8460	8640	9180	8280	9540	8460	8640	9180	8640
22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558

9.74	9.57			6.4	0.64			10.24		

0.028382	0.037414	0.029414	0.025989	0.032107	0.036222	0.028207	0.025079	0.031536	0.029656	0.031171
24425.1624	16558.4136	4949.49612	4250.2296	3092.06932	3802.26192	8074.34356	3933.3744	4102.72802	218.5208	234.90986
101466.19	66419.9954	20899.8894	18365.815	11597.4532	15545.3428	33763.4913	16663.1287	16044.5987	803.491238	1089.30921
3.204209	3.226073	2.783858	2.588993	1.288385	1.875362	3.155851	2.014854	1.599816	0.36133	0.732321
5540.45291	3161.0715	495.916864	177.31273	1431.37011	1918.04338	4915.2706	1520.85551	549.943335	92.95321	15.746928
22992.36	19652.14	21166.52	21693.16	22904.2	20570.86	23898.32	21261.06	21569.62	22962.2	21577.74
56.353823	55.829943	56.444053	56.492604	56.137745	55.899076	56.363962	56.545372	56.170885	56.279901	56.046077
23664	20416	21808	22272	23664	21344	24592	21808	22272	23664	22272
58	58	58.154666	58	58	58	58	58	58	58	57.84935
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
36.292779	36.681962	31.729749	29.495039	14.908237	21.553535	35.959204	22.956612	18.414575	4.203246	8.479241
36.292779	36.681962	31.729749	29.495039	14.908237	21.553535	35.959204	22.956612	18.414575	4.203246	8.479241
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
143533.224	97769.2717	28470.865	24500.01	16144.8522	22770.4477	48483.9102	23787.006	24120.1729	1062.71637	1383.73482
21269.0272	17248.3839	3314.45517	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
143533.224	97769.2717	28470.865	24500.01	16144.8522	22770.4477	48483.9102	23787.006	24120.1729	1062.71637	1383.73482
253.41	224.93	196.52	185.45	135.13	159.2	287.44	200.01	99.75	155.48	124.68
93621.7955	65969.8563	22783.0497	21084.256	7614.15628	9322.01003	15808.9366	12219.7975	16850.5099	562.663289	1203.40652
110170.672	79879.3129	25735.8533	23437.778	8652.11588	11395.2417	18758.5512	14684.3677	20819.1561	606.495331	1282.51433
38.566682	39.524063	37.159616	34.120771	10.109108	15.464102	23.90254	18.908022	21.356515	3.915963	8.290366
2004.95907	1422.37415	472.829308	432.41499	176.313749	200.044435	335.393668	256.133229	377.193405	13.331307	23.268174
49.858022	49.808936	50.486791	48.265414	44.206684	47.694827	47.794758	47.743629	45.870299	44.026582	55.59086
37.863581	35.802937	15.631427	7.718435	14.92685	21.355096	36.715523	21.407859	11.464588	2.633725	2.724754
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
6.355833	4.994261	1.40128	1.175104	0.804607	1.096956	2.021792	1.110638	1.134322	0.056862	0.064779
21269.0272	17248.3839	3314.45517	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
21269.0272	17248.3839	3314.45517	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
588.220926	335.60585	52.650691	18.825005	151.96625	203.635564	521.846331	161.46677	58.386594	9.868692	1.671825
28642.4012	14551.0315	2373.36009	919.99998	6640.4128	9470.46716	24821.2104	7775.35422	2684.32824	427.777448	103.097385
27.46	17.33	6.73	6.96	4.26	3.31	7.36	4.43	4.41	0.33	0.42
-21269.027	-17248.384	-3314.4552	-2495.7535	-1890.2831	-3977.9705	-7853.7632	-3791.8543	-4585.3348	-72.275634	-77.230908
-131439.7	-97127.697	-29050.308	-25933.532	-10542.399	-15373.212	-26612.314	-18476.222	-25404.491	-678.77097	-1359.7452
3.7	1.1	0.22	0.04	0.27	1.25	3.08	0.82	0.29	0.06	0.01
11502.6161	7378.3001	2010.8566	1527.3026	1099.2099	1574.1387	4167.3432	1846.8905	1581.21	82.8878	101.0953
0.88	0.6	0.28	0.2	0.17	0.16	0.27	0.1	0.14	0.01	0.05

363.748	248.01	115.738	82.67	70.2695	66.136	111.6045	41.335	57.869	4.1335	20.6675
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
101466.19	66419.9954	20899.8894	18365.815	11597.4532	15545.3428	33763.4913	16663.1287	16044.5987	803.491238	1089.30921
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
363.748	248.01	115.738	82.67	70.2695	66.136	111.6045	41.335	57.869	4.1335	20.6675
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
20434.2584	13852.8824	4140.7824	3555.7712	2586.8464	3180.9984	6755.0512	3290.688	3432.3704	182.816	196.5272
0.17	0.54	0.32								
10.830153	10.871923	11.023089	11.077446	11.271739	11.28162	11.17291	11.229019	11.244639	11.279593	11.211974
0.76503	0.718654	0.599153	0.569622	0.486235	0.476553	0.51778	0.49591	0.498804	0.454106	0.501128
0.742379	0.694818	0.577672	0.547258	0.473417	0.458407	0.500287	0.475559	0.480197	0.22396	0.480661
877849.113	682683.935	554818.239	442673.05	677079.122	570154.653	734711.408	608512.822	536217.356	268866.693	568306.7
3476.66952	2824.57093	2616.39669	2348.3981	3648.45352	2927.78792	3000.67513	2650.66736	2879.81737	1378.49646	2618.68554
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
0.029362	0.033977	0.035904	0.039765	0.027132	0.039076	0.034363	0.042819	0.037057	0.034485	0.041718
361356.879	293221.029	264821.469	257504.94	241071.95	210848.825	262793.746	222448.722	229278.331	114108.336	229311.935
382365.705	310883.084	282516.667	273891.09	255092.016	224375.525	279373.773	236932.706	242516.483	121412.985	243819.503
2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049
594395.931	482319.271	435604.835	423569.87	396539.251	346825.233	432269.432	365905.902	377139.926	187696.802	377195.203
43958.22	37744.44	40237.5	40929.03	44059.23	39251.82	45446.73	39948.9	40935.69	22277.7	40845.78
107.740735	107.228522	107.3	106.58602	107.988308	106.662554	107.185683	106.247074	106.603359	54.602205	106.092935
45288	39072	41736	42624	45288	40848	47064	41736	42624	45288	42624
111	111	111.296	111	111	111	111	111	111	111	110.711688
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
31.03394	31.163162	31.585428	31.787647	32.319165	32.484646	32.059645	32.301935	32.395682	33.234356	32.270085
30.805695	30.915523	31.317902	31.468831	32.001934	32.020645	31.726738	31.877611	31.92774	32.013418	31.832082
1034302.82	840252.182	760583.674	739616.8	690301.379	607444.556	754608.146	640379.551	658850.747	335980.368	660238.899
1321009.56	984507.208	722974.784	655236.17	479376.561	436374.263	617041.847	499490.015	472155.284	239207.124	513165.536
286706.742	144255.026	-37608.89	-84380.631	-210924.82	-171070.29	-137566.3	-140889.54	-186695.46	-96773.244	-147073.36
1321009.56	984507.208	722974.784	655236.17	479376.561	436374.263	617041.847	499490.015	472155.284	239207.124	513165.536
396.02	340.04	362.5	368.73	396.93	353.62	409.43	359.9	368.79	200.7	367.98
149680.058	151511.807	199708.995	290010.72	6926.74677	29320.9033	12485.5678	24296.1788	114345.632	55558.6256	83644.4395
213926.67	206933.44	242785.475	333196.93	7705.26243	33116.5277	14353.3718	27551.9192	128436.19	58661.8001	92806.8971

27.417884	31.318881	44.95211	55.066401	10.282116	29.353029	17.517168	22.904012	35.454476	40.732262	37.699888
4991.0046	5027.24085	6576.79573	9514.689	231.690723	957.879727	410.037849	794.782892	3785.8469	1817.64046	2753.01346
27.981854	26.031982	23.261705	22.809928	18.612936	19.156889	20.725426	20.812369	18.587602	21.122983	21.585316
27.944599	25.955687	22.936256	21.718014	18.601775	19.065843	20.709103	20.763893	17.886492	20.742526	21.415053
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
82.404127	77.124823	64.292682	60.745739	52.549348	50.883239	55.531943	52.787079	53.301906	24.859647	53.214815
97825.5017	-9011.6057	-176031.07	-218978.46	-336933.13	-281280.97	-274928.59	-257163.48	-306539.25	-156417.67	-266934.71
97825.5017	-9011.6057	-176031.07	-218978.46	-336933.13	-281280.97	-274928.59	-257163.48	-306539.25	-156417.67	-266934.71
28629.8794	22120.6971	17532.9603	13811.675	21208.4433	17767.1523	23135.5062	19053.1591	16682.0851	8325.09554	17734.6905
877849.113	682683.935	554818.239	442673.05	677079.122	570154.653	734711.408	608512.822	536217.356	268866.693	568306.7
88.08	69.28	47.43	37.27	3.24	6.06	5.32	7.36	13.18	5.02	16.31
-286706.74	-144255.03	37608.8897	84380.631	210924.818	171070.294	137566.3	140889.535	186695.463	96773.2441	147073.363
-500633.41	-351188.47	-205176.59	-248816.3	203219.555	137953.766	123212.928	113337.616	58259.2723	38111.4441	54266.4664
211.99	181.89	221.07	204.41	365.64	310.03	365.83	312.91	276.73	146.21	288.16
								0.002604	0.487745	
97274.8387	79727.7653	74323.3398	67242.988	71663.1967	66881.1509	96611.5965	79495.1583	66496.9518	35870.1088	77025.7897
0.85	0.76	0.76	0.87	0.79	1	0.93	0.95	1.04	1.45	1.04
6773.65	6056.44	6056.44	6933.03	6295.51	7969	7411.17	7570.55	8287.76	11555.05	8287.76
1223184.06	993518.814	899005.856	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
1223184.06	993518.814	899005.856	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
976761.636	793202.355	718121.502	697460.96	651631.267	571200.758	711643.205	602838.608	619656.41	309109.787	621014.706
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
6773.65	6056.44	6056.44	6933.03	6295.51	7969	7411.17	7570.55	8287.76	11555.05	8287.76
1223184.06	993518.814	899005.856	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
50767.5348	40993.3864	36405.7316	35222.81	32374.6023	28274.7983	35553.7714	29970.3924	30906.5773	15315.5314	30936.433
43.42	51.27	75.19	108.57	12.36	19.07	13.9	21.28	60.55	32.3	50.75

0.034705	0.028039	0.027074	0.036406	0.031519	0.031956	0.03125	0.026489	0.029062	0.026078	0.025182

1181.52	1026.39	1097.46	1110.06	1185.42	1068.72	1232.25	1098.12	1118.52	1192.08	1122.99
2.895882	2.91588	2.92656	2.890781	2.905441	2.90413	2.90625	2.920531	2.912812	2.921764	2.916857
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

11.340475	11.369255	11.494635	11.537873		11.760233	11.689337	11.701444	11.874783	11.681454	11.63146
0.812993	0.788621	0.707829	0.689107		0.578107	0.60611	0.611177	0.56989	0.622182	0.634278
0.776951	0.749429	0.674569	0.652163		0.28058	0.577121	0.580708	0.458588	0.598809	0.602559
334293.511	279547.364	272551.948	269880.42		113431.377	268397.908	239264.33	193454.815	267427.049	251941.843
1332.76526	1165.34021	1293.8045	1437.7229		541.916976	1094.68976	1044.46743	1067.366	1408.46209	1162.21403
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
0.044583	0.051477	0.047074	0.050703	0.048897	0.038097	0.048372	0.04851	0.041822	0.039044	0.048906
153085.274	127762.751	124579.931	123481.48		51952.544	122861.918	109570.689	88823.6033	122307.865	115331.019
162126.093	135891.346	132627.474	131231.02		55187.0637	130634.671	116399.311	93892.6627	130254.482	122551.266
2.0965	2.0965	2.0965	2.0965		2.0965	2.0965	2.0965	2.0965	2.0965	2.0965
158672.887	132426.091	129127.099	127988.55		53848.8118	127346.378	113570.019	92065.6648	126772.102	119540.601
16761.83	14356.84	15406.9	15634.37		7672.06	17350.07	15342.83	13254.32	16859.01	15663.61
41.082916	40.786477	41.085066	40.714505		20.847989	40.919976	40.805398	34.516458	41.321102	40.684701
17544	15136	16168	16512	17544	15824	18232	16168	16512	17544	16512
43	43	43.114666	43	43	43	43	43	43	43	42.888311
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
25.20788	25.29252	25.592565	25.670061		26.971315	26.053655	26.059835	27.039198	25.930709	25.92622
24.764634	24.819971	25.078476	25.173638		25.640348	25.48884	25.516418	25.887825	25.469306	25.368274
339654.044	284158.999	277675.986	274846.8		118949.572	273994.934	243994.212	201219.704	271802.189	257144.712
510608.258	390590.779	310979.957	289441.37		105293.67	266953.326	227325.099	168778.756	244397.033	242913.969
170954.214	106431.78	33303.9709	14594.568		-13655.902	-7041.6082	-16669.114	-32440.949	-27405.156	-14230.744
510608.258	390590.779	310979.957	289441.37		105293.67	266953.326	227325.099	168778.756	244397.033	242913.969
389.81	333.88	358.3	363.41		178.42	403.49	356.81	308.24	392.07	364.27

33.737945	28.854699	23.494341	23.09339	19.952318	23.06801	19.449455	14.901171	20.671033	20.79251
10.121383	7.213674	7.988076	7.389884	3.79094	5.997682	6.807309	5.662445	17.156957	6.653603
13630.84	11343.36	10906.44	10768.53	4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
33.408921	32.225454	29.08384	28.043046	12.064945	24.816226	24.970452	19.719296	25.748823	25.842779
90936.5414	39650.1903	-31813.959	-49949.202	-40811.496	-71261.533	-73941.713	-78869.046	-91335.477	-74514.267
90936.5414	39650.1903	-31813.959	-49949.202	-40811.496	-71261.533	-73941.713	-78869.046	-91335.477	-74514.267

13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
334293.511	279547.364	272551.948	269880.42		113431.377	268397.908	239264.33	193454.815	267427.049	251941.843
-170954.21	-106431.78	-33303.971	-14594.568		13655.9017	7041.60817	16669.1135	32440.9486	27405.1558	14230.7437
-170954.21	-106431.78	-33303.971	-14594.568		13655.9017	7041.60817	16669.1135	32440.9486	27405.1558	14230.7437
3.72	1.83	3.56	3.26		2.08	3.5	3.91	3.89	32.82	4.33
			0.002604	1	0.497282		0.002659	0.164062		0.002604
94308.0948	76997.9725	72417.3895	65558.253		34538.1077	93723.6778	78396.1294	52288.9769	72056.3686	75349.9606
1.36	1.17	1.3	1.26		1.4	1.42	1.2	1.97	1.11	1.32
5360.53248	4611.63456	5124.0384	4966.3757		5518.1952	5597.02656	4729.8816	7764.88896	4375.14048	5202.86976
419671.717	350940.589	342793.917	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
419671.717	350940.589	342793.917	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
320798.98	268317.438	261754.572	259219.58		109035.876	257981.048	229969.329	185958.328	257026.584	242091.867
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
5360.53248	4611.63456	5124.0384	4966.3757		5518.1952	5597.02656	4729.8816	7764.88896	4375.14048	5202.86976
419671.717	350940.589	342793.917	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
13494.5316	11229.9264	10797.3756	10660.845		4395.501	10416.8592	9295.0011	7496.4879	10400.4648	9849.9753

9.411778	8.465061	4.767124	2.24	1.406952	3.246861	7.048445	3.375587	2.264507	0.14
0.028135	0.028833	0.003795	0.001716	0.002368	0.005663	0.008754	0.004458	0.006618	0.000019
0.026965	0.027818	0.003702	0.001625	0.002348	0.005614	0.008556	0.004377	0.006505	0.000019
1311.08801	1840.72074	113.192773	13.000031	27.178462	729.45015	2497.83968	271.159555	208.044586	
4.892752	7.395329	0.543594	0.062628	0.140037	3.106078	8.224406	0.987663	0.937356	

550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
0.033909	0.035781	0.025771	0.038177	0.024252	0.02379	0.032558	0.030093	0.024101	0.031348	0.027187
7744.9	6948	976.8	436.8	677.5	1463.3	2566.6	1165.1	1780.1	5.6	
27826.4424	24110.8903	3641.77894	1892.5203	2435.14441	5953.89922	10674.4519	4963.18671	6853.53181	21.174162	
2.538767	2.254336	1.289007	0.692909	0.372772	0.934118	2.075207	1.009911	0.636876	0.037811	
362.608075	592.726703	46.212126	2.956941	6.879216	175.716891	591.117904	61.232008	51.01707		
19656.2	16966.5	18356.3	18399.5	19940.5	18036.8	20482.6	18252.4	18701.7	19792.3	18695.4
48.17696	48.200284	48.950133	47.915364	48.873774	49.013043	48.308018	48.543617	48.702343	48.510539	48.55948
20400	17600	18800	19200	20400	18400	21200	18800	19200	20400	19200
50	50	50.133333	50	50	50	50	50	50	50	49.870129
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
45.440687	49.133343	22.214578	9.790103	7.838918	22.300141	49.191121	20.863165	16.45174	0.529354	
36.147113	32.141997	18.219429	9.790103	5.272238	13.197333	29.467294	14.271581	9.020199	0.529354	
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
31823.6262	29103.2195	3982.87716	2029.6561	2738.41444	6858.95116	12172.0958	5733.34442	8237.86075	23.474384	
3703.32278	4881.46122	322.158223	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
31823.6262	29103.2195	3982.87716	2029.6561	2738.41444	6858.95116	12172.0958	5733.34442	8237.86075	23.474384	
272.64	284.58	214.05	158.56	224.45	231.7	391.34	283.01	154.93	132.23	94.82
26809.2154	22381.0376	3547.52616	1897.5563	2428.25395	5230.89007	8227.01624	4705.90415	6657.35222	21.174162	
30317.7733	26820.6559	3853.10124	2015.7755	2710.50446	6016.88532	9352.84509	5447.90823	7991.22279	23.474384	
13.873025	12.995219	6.849996	6.359174	2.137191	4.908742	10.010296	5.102722	3.684486	0.4	
524.287197	447.513993	66.299133	30.988789	47.408627	90.79165	139.422361	77.926285	121.255923	0.4	
53.534765	51.288336	51.785545	65.152251	54.491926	56.208151	61.59762	62.223141	58.871061		
16.547513	12.822084	2.071421	1.291785	1.089838	6.744978	19.64962	7.396575	2.943553		
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
1.348284	1.390909	0.1856	0.08125	0.117401	0.280706	0.42783	0.218882	0.32526	0.00098	
3703.32278	4881.46122	322.158223	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
3703.32278	4881.46122	322.158223	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
25.812802	42.086006	3.300866	0.21121	0.491372	12.508349	41.977638	4.373714	3.644076		
1311.08801	1840.72074	113.192773	13.000031	27.178462	729.45015	2497.83968	271.159555	208.044586		
7.07	6.36	1.06	0.58	0.66	1.26	2.1	1.09	1.8		
-3703.3228	-4881.4612	-322.15822	-119.09979	-282.98203	-898.61093	-1447.2399	-756.28071	-1372.4639	-2.300222	
-34021.096	-31702.117	-4175.2595	-2134.8752	-2993.4865	-6915.4963	-10800.085	-6204.1889	-9363.6867	-25.774607	
0.26	0.16				0.04	0.39	0.04	0.02		
3827.0796	3551.3626	398.8127	155.1649	266.7297	688.3162	1478.0566	599.971	824.2153	1.7125	

0.56	0.14	0.04	0.04	0.03		0.08	0.02			
277.476	75.612	18.036	18.036	17.689		40.234	9.018			
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
27826.4424	24110.8903	3641.77894	1892.5203	2435.14441	5953.89922	10674.4519	4963.18671	6853.53181	21.174162	
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
277.476	75.612	18.036	18.036	17.689		40.234	9.018			
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
16.385	35.256	0.904		2.599	6.441	10.17	4.859	11.865		
	0.08	0.08								

0.028995	0.028125	0.024015	0.027734	0.038431	0.032527	0.039433	0.0275	0.02151	0.025171	0.027708

1584.68	1368.4	1467.88	1493.4	1569.28	1424.12	1629.12	1462.64	1502.96	1590.92	1493.44
3.884019	3.8875	3.914346	3.889062	3.846274	3.869891	3.842264	3.89	3.913958	3.899313	3.879064
1632	1408	1504	1536	1632	1472	1696	1504	1536	1632	1536
4	4	4.010666	4	4	4	4	4	4	4	3.98961

10.255527	10.278262	10.371021	10.424883		10.634169	10.518639	10.570805	10.681961	10.556607	10.518131
0.679145	0.649858	0.53142	0.493915		0.353031	0.403611	0.385369	0.381198	0.396511	0.420973
0.641495	0.614333	0.502724	0.465552		0.183457	0.38201	0.364	0.359414	0.3718	0.398945
413214.634	343017.221	303377.547	277325.78		111300.196	265573.634	225251.332	223324.477	248017.879	250753.582
1646.30659	1429.6145	1431.21895	1470.8239		524.541399	1061.40253	964.95961	1196.97268	1297.20405	1148.99361
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
0.05875	0.055369	0.054441	0.057291	0.071911	0.055217	0.055518	0.058457	0.058229	0.062794	0.055208
155212.765	128604.261	113871.775	108189.44		41760.0981	99579.0993	84345.2154	85268.5146	93308.6643	93913.5587
164191.063	136729.895	121442.933	115345.75		44542.0788	105972.384	90080.3819	90017.9346	99680.0677	100261.666
2.6151	2.6151	2.6151	2.6151		2.615099	2.6151	2.6151	2.6151	2.6151	2.6151
241371.371	199992.486	177081.997	168245.4		64941.1285	154855.457	131165.244	132601.067	145104.304	146044.975
22504.158	19485.086	20834.058	21158.702		11135.172	23466.956	20745.572	21192.104	22407.468	21260.08

55.157249	55.355357	55.557487	55.100786		30.258619	55.346594	55.174393	55.18777	54.920264	55.220987
23908.8	20627.2	22033.6	22502.4	23908.8	21564.8	24846.4	22033.6	22502.4	23908.8	22502.4
58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
29.935042	30.060404	30.347112	30.517112		37.758576	31.261927	32.136401	32.740492	31.753944	31.108081
27.318974	27.374136	27.612486	27.757727		28.304487	28.001392	28.137246	28.436381	28.097194	28.000313
442375.663	366660.08	328559.055	312609.69		142572.658	293287.758	253685.078	252767.764	277658.353	273860.565
617053.855	470860.106	348861.634	312232.24		104571.829	272043.099	218873.692	207090.549	229389.107	242168.883
174678.193	104200.026	20302.5792	-377.44922		-38000.828	-21244.659	-34811.385	-45677.215	-48269.246	-31691.682
617053.855	470860.106	348861.634	312232.24		104571.829	272043.099	218873.692	207090.549	229389.107	242168.883
384.03	332.51	355.53	360.52		190.02	400.46	354.02	361.64	382.38	362.8
16.498184	41.153273	685.798127	11503.4		161.121843		4.418313	3338.36955	1211.14607	41.679327
24.189399	51.028218	792.238041	14163.662		174.948659		4.313059	3874.38397	1370.95711	47.679754
0.492605	0.788355	3.531015	10.690886		1.052282		0.145675	8.390835	5.553376	0.582214
0.51912	1.436974	25.068357	427.98611		5.713982		0.145675	126.15684	45.030559	1.487786
31.944351	29.800442	25.275139	24.691725		20.127755	20.132214	20.413067	19.354675	21.079534	22.71304
25.555481	22.648336	22.734903	23.581533		14.288155	16.105771	17.963499	18.879408	21.075053	19.077822
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
37.591656	35.99996	29.538213	27.281375		10.750603	22.385811	21.330446	21.061692	21.787519	23.317506
93548.4804	36978.5785	-39218.198	-56928.071		-59828.831	-73294.654	-78898.63	-90247.068	-97041.685	-80780.299
93548.4804	36978.5785	-39218.198	-56928.071		-59828.831	-73294.654	-78898.63	-90247.068	-97041.685	-80780.299
15336.8769	12670.549	11051.7616	10048.062		3950.50802	9491.584	8020.10232	7961.53316	8844.27744	8975.75221
413214.634	343017.221	303377.547	277325.78		111300.196	265573.634	225251.332	223324.477	248017.879	250753.582
0.06	0.02	0.08	0.62		0.04			0.11	0.49	0.03
-174678.19	-104200.03	-20302.579	377.44922		38000.8282	21244.6589	34811.3855	45677.215	48269.2458	31691.6816
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15.49	16.55	19.25	19.74		11.82	20.14	22.72	20.87	184.79	23.82
			0.002604	1	0.453804					
87055.9476	71962.1938	67590.4372	61314.704		33868.8447	88010.7248	72385.3116	60881.3698	65758.9029	71293.9653
1.63	1.32	1.37	1.33		1.74	1.55	1.59	1.46	1.59	1.29
29144.5304	23601.7056	24495.7096	23780.506		31111.3392	27714.124	28429.3272	26104.9168	28429.3272	23065.3032
523505.375	433881.528	388079.832	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
523505.375	433881.528	388079.832	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
405562.434	336722.382	298524.931	283591.16		109483.207	260827.842	221245.626	222619.002	244784.372	246306.641
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24

29144.5304	23601.7056	24495.7096	23780.506		31111.3392	27714.124	28429.3272	26104.9168	28429.3272	23065.3032
523505.375	433881.528	388079.832	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
7668.698	6335.993	5538.415	5238.024		1978.111	4745.792	4010.124	4043.845	4444.654	4488.62
	0.03	0.37	1.8		0.09		0.01	0.36	3.63	0.04
7.5	7.65	3.15	0.75	0.75	3.15	6.45	3	2.1	0.15	
0.019485	0.024418	0.001882	0.000523	0.001783	0.004755	0.00668	0.003378	0.005437	0.000028	
0.019142	0.023352	0.001835	0.00052	0.00174	0.004646	0.006462	0.003324	0.00539	0.000024	
206.124909	261.932393				64.657723	334.852307	45.088203	35.324237		
0.759298	1.032481				0.274613	1.091706	0.159573	0.163905		
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
0.021102	0.027812	0.035159	0.040729	0.037205	0.022581	0.031462	0.033696	0.025468	0.032156	0.028802
1640.1	1726.2	144.9	42	149.1	359.1	575.4	262.5	434.7	2.1	
5758.67796	5869.21621	523.843576	180.28761	530.649984	1463.77935	2388.61067	1117.66924	1682.77895	7.94031	
1.835497	1.862086	0.776032	0.219339	0.182198	0.85936	1.773116	0.838194	0.562445	0.037811	
46.212228	84.226216				14.828568	79.268125	10.5	8.4		
5591.46	4790.94	5078.92	5157.04	5499.48	5035.66	5749.24	5086.62	5239.08	5528.32	5221.16
13.704558	13.610625	13.543786	13.429791	13.479117	13.683858	13.559528	13.528244	13.643437	13.549803	13.561454
5712	4928	5264	5376	5712	5152	5936	5264	5376	5712	5376
14	14	14.037333	14	14	14	14	14	14	14	13.963636
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
29.565089	28.657526	11.64049	3.29009	2.760761	12.984158	27.909252	12.57292	8.436684	0.567165	
29.565089	28.657526	11.64049	3.29009	2.760761	12.984158	27.909252	12.57292	8.436684	0.567165	
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
6571.39543	7059.3073	564.458481	188.86745	590.022614	1653.56006	2681.24301	1278.04745	1994.29485	8.239364	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
6571.39543	7059.3073	564.458481	188.86745	590.022614	1653.56006	2681.24301	1278.04745	1994.29485	8.239364	
162.85	162.78	110.57	89.04	138.89	137.8	207.99	145.53	89.69	71.67	48.96
5825.55305	5701.78381	523.843576	180.28761	541.149984	1409.62162	2106.25837	1072.58104	1647.45471	7.94031	
6359.96276	6740.74791	564.458481	188.86745	590.022614	1582.58788	2311.05784	1231.38348	1957.12876	8.239364	
6.81601	7.048541	2.94	0.7	0.7	2.922567	5.778744	2.66	1.82	0.14	
106.259184	109.464918	9.66	2.8	9.94	22.951428	33.075458	16.8	28.42	0.14	
64.139995	55.189935				63.953754	65.227298	69.087947	66.699332		
3.066364	4.967094				2.55815	9.784094	2.072638	1.333986		
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	

0.26799	0.326931	0.02576	0.007291	0.024362	0.065054	0.090471	0.046542	0.075468	0.000343	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
3.080815	5.615081				0.988571	5.284541	0.7	0.56		
206.124909	261.932393				64.657723	334.852307	45.088203	35.324237		
6.23	4.88	0.54	0.2	0.48	1.1	1.64	0.78	1.03	0.01	
-539.71747	-1095.5911	-40.614904	-8.579834	-48.87263	-179.28072	-240.13233	-160.37821	-311.5159	-0.299053	
-6899.6802	-7836.339	-605.07339	-197.44728	-638.89524	-1761.8686	-2551.1902	-1391.7617	-2268.6447	-8.538418	
0.12	0.12				0.04	0.22	0.04	0.04		
2013.0739	2000.6696	152.8232	39.2665	139.156	394.3852	777.0681	316.6052	438.3744	1.7125	
0.26	0.09			0.01	0.01	0.05				
273	94.5			10.5	10.5	52.5				
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
5758.67796	5869.21621	523.843576	180.28761	530.649984	1463.77935	2388.61067	1117.66924	1682.77895	7.94031	
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
273	94.5			10.5	10.5	52.5				
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
	0.08									

10.796981	10.839264	10.969233	11.024938	11.257679	11.251098	11.139839	11.196279	11.240547	11.199818	11.157991
0.45657	0.431253	0.351339	0.333741	0.207395	0.244044	0.298015	0.284792	0.275687	0.240946	0.291252
0.439599	0.414225	0.338317	0.319623	0.145725	0.204689	0.286772	0.273669	0.260468	0.197369	0.279778
1655516.87	1321902.21	1133234.29	990812.26	683746.714	805150.801	1296336.85	1081120.09	955924.345	784739.398	1071105.22
6569.6966	5486.43313	5352.64759	5261.5328	3682.60006	4040.04797	5251.81059	4690.35652	5157.05165	4086.21398	4930.32811
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
0.033897	0.035965	0.032562	0.037807	0.036082	0.034236	0.03674	0.034023	0.031389	0.034732	0.034498
703465.081	574820.655	509344.372	493904.89	244990.619	310186.129	496451.106	421725.6	409687.977	329951.086	438791.423
843734.172	679904.427	561652.586	540906.5	269655.264	347067.689	562807.382	466156.383	451007.99	352180.141	467721.745
2.604235	2.592416	2.549894	2.545802	2.71913	2.613011	2.566256	2.544513	2.570431	2.453929	2.526535
994440.189	814737.849	741813.931	719803.83	396539.251	465615.173	714471.267	610641.165	601806.658	459573.207	642780.779
5949.27321	3838.02442	542.128991	180.26967	1438.24933	2108.58884	5585.65663	1592.58752	609.360405	92.95321	15.746928
144299.343	124109.351	132976.558	135035.6	105190.8	113281.207	149765.741	132549.022	133034.839	122683.623	135347.66
353.67486	352.583383	354.604154	351.6552	257.820588	307.829366	353.221087	352.523994	346.444893	300.695154	351.552363
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4

367.099999	367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
197.47542	200.98892	153.109924	130.55005	57.827083	154.052374	202.434807	146.890871	135.478373	96.218775	97.783628
29.486896	29.42291	29.174344	29.271133	32.200406	30.754799	29.862361	29.70587	30.139935	28.502306	29.340576
1972748.71	1601777.62	1396159.69	1351168.4	707552.531	895193.882	1375686.95	1164148.72	1140921.23	886460.465	1192550.68
2630599.92	1979889.89	1415834.58	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
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2630599.92	1979889.89	1415834.58	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
1868.5	1688.29	1597.47	1525.71	901.8	1251.4	2100.15	1699.28	1393.28	1334.53	1363.51
275953.12	245605.638	227249.212	324676.22	17510.307	45444.5469	38627.779	42298.8798	142839.318	57361.5494	84889.5254
360799.267	320425.185	273731.126	373003.01	19657.9054	52286.1912	44775.8259	48919.8916	163078.082	60670.9663	94137.0912
14.434176	14.952897	14.611819	17.822872	5.073121	8.37278	9.60272	7.831879	10.627257	8.456933	11.643117
7627.02918	7008.03089	7150.65253	10408.879	465.3531	1277.38123	917.929338	1145.78808	4438.87307	1876.54232	2777.76942
35.2643	33.710415	26.236405	24.692911	22.728132	24.990809	31.488581	25.342861	20.699629	21.28029	22.382535
35.196727	33.662423	26.0947	24.170881	22.667312	24.913278	31.432155	25.28594	20.377552	21.14385	22.281576
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
161.376813	152.06234	124.527376	117.33381	53.49572	75.141505	105.274075	100.464042	95.617947	72.454176	102.43988
307822.591	90842.5994	-243386	-323232.3	-334710.99	-376865.44	-409943.64	-405295.31	-469386.05	-344719.96	-422152.05
307822.591	90842.5994	-243386	-323232.3	-334710.99	-376865.44	-409943.64	-405295.31	-469386.05	-344719.96	-422152.05
58214.7108	46517.9131	39547.1135	34647.303	21360.9009	26374.6928	43718.2787	36628.6919	32278.4189	27684.7617	36661.5846
1655516.87	1321902.21	1133234.29	990812.26	683746.714	805150.801	1296336.85	1081120.09	955924.345	784739.398	1071105.22
128.9	97.87	55.84	45.63	8.64	11.77	16.42	13.66	20.53	5.85	16.76
-657851.22	-378112.27	-19674.889	67540.079	208702.68	217671.161	156311.431	187661.521	258544.312	172372.771	192918.558
-1018650.5	-698537.45	-293406.01	-305462.93	189044.775	165384.97	111535.605	138741.629	95466.2297	111701.805	98781.4667
235.28	201.65	244.1	227.45	365.91	325.26	393.16	340.44	301.84	363.88	316.32
			0.000473	0.181818	0.086462		0.000241	0.015151	0.04434	0.000236
295981.651	241618.264	216893.659	195837.68	73168.2923	137944.943	284768.467	233040.066	182511.098	173771.693	223770.811
5.54	4.08	3.75	3.7	1	4.31	4.3	3.86	4.61	4.16	3.7
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
2322777.33	1889047.29	1659220.58	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17
2322777.33	1889047.29	1659220.58	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17
1838174.36	1494642.28	1303466.52	1260710.3	666194.514	812682.862	1277278.65	1076797.55	1052814.65	811753.348	1110502.52
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
2322777.33	1889047.29	1659220.58	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17

92381.4078	72447.4442	56883.2086	54677.45	34964.0477	37835.8497	57481.6438	46571.0645	45891.1456	30343.4662	45471.5555
43.59	52	75.96	110.37	12.36	19.16	13.9	21.29	60.91	35.93	50.79
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637
1532.06699	1310.4265	1310.37922	924.81603	2634.86951	2235.7245	3033.65656	2582.60495	1423.06143	2604.57573	2075.20844
-102562.45	-84714.417	-79264.098	-72141.289	-75600.843	-72005.333	-102757.47	-85797.523	-71335.91	-77635.288	-83149.151
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637
233.08	200.43	243.19	225.58	386.42	336.35	392.73	340.25	301.09	365.45	315.67
169.310121	164.629896	139.94379	117.3687	151.065388	170.877229	205.69913	192.624886	156.875162	151.289671	156.767596
68.349327	74.437857	61.005834	42.588891	74.168977	73.238912	99.468572	92.680944	60.839146	72.246382	75.035868
18220.7025	16197.2261	15287.1655	9919.4723	28803.8638	24805.3414	39306.0322	31790.2176	18768.343	26566.3838	23957.9831
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-251.37856	-240.66596	-211.37093	-187.86794	-185.29618	-195.66667	-242.35253	-228.1849	-185.7706	-190.28257	-215.97182
-3561219.1	-2676457.3	-2050312.8	-1753457.8	-1454831.8	-1483247.7	-2351712	-1898978.9	-1384312.1	-1648306	-1862028.6
-34.728463	-31.583644	-25.860549	-24.30363	-19.251822	-20.596987	-22.882254	-22.145202	-19.376938	-21.230657	-22.397051
-3561219.1	-2676457.3	-2050312.8	-1753457.8	-1454831.8	-1483247.7	-2351712	-1898978.9	-1384312.1	-1648306	-1862028.6
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3950021	2994995.57	2328290.98	1929660.9	1946106.14	1926843.42	3095022.53	2492885.99	1658600.51	2145252.37	2313450.21
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637
1532.06699	1310.4265	1310.37922	924.81603	2634.86951	2235.7245	3033.65656	2582.60495	1423.06143	2604.57573	2075.20844
-102562.45	-84714.417	-79264.098	-72141.289	-75600.843	-72005.333	-102757.47	-85797.523	-71335.91	-77635.288	-83149.151
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637
233.08	200.43	243.19	225.58	386.42	336.35	392.73	340.25	301.09	365.45	315.67
169.310121	164.629896	139.94379	117.3687	151.065388	170.877229	205.69913	192.624886	156.875162	151.289671	156.767596
68.349327	74.437857	61.005834	42.588891	74.168977	73.238912	99.468572	92.680944	60.839146	72.246382	75.035868

18220.7025	16197.2261	15287.1655	9919.4723	28803.8638	24805.3414	39306.0322	31790.2176	18768.343	26566.3838	23957.9831
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-251.37856	-240.66596	-211.37093	-187.86794	-185.29618	-195.66667	-242.35253	-228.1849	-185.7706	-190.28257	-215.97182
-3561219.1	-2676457.3	-2050312.8	-1753457.8	-1454831.8	-1483247.7	-2351712	-1898978.9	-1384312.1	-1648306	-1862028.6
-34.728463	-31.583644	-25.860549	-24.30363	-19.251822	-20.596987	-22.882254	-22.145202	-19.376938	-21.230657	-22.397051
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3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3950021	2994995.57	2328290.98	1929660.9	1946106.14	1926843.42	3095022.53	2492885.99	1658600.51	2145252.37	2313450.21
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57

291391.794	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
1164.71334	1078.66395	1305.24486	1641.1377	1615.42768	1146.11976	835.161826	772.261027	1229.9207	1404.36703	1196.58382
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
305488.202	233763.166	200768.327	212054.75	163385.566	125243.728	124885.039	107330.646	122603.845	160769.696	164260.889
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
21.78894	21.163796	21.008271	23.026232	21.062623	17.190558	13.541323	13.335412	16.84571	18.747429	19.298196
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
8414.72295	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
291391.794	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
1978.19648	24516.4211	72365.4577	94499.937	134552.829	94083.0374	74173.5044	66508.7277	101667.815	104419.446	93330.4761
1978.19648	24516.4211	72365.4577	94499.937	134552.829	94083.0374	74173.5044	66508.7277	101667.815	104419.446	93330.4761
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574

307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
305488.202	233763.166	200768.327	212054.75	163385.566	125243.728	124885.039	107330.646	122603.845	160769.696	164260.889
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
287585.301	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
1149.50785	1064.36756	1288.20043	1617.9495	1593.65802	1133.40079	823.197147	761.310238	1214.64877	1387.0307	1181.01507
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
343265.685	262639.39	225585.136	238132.22	183532.911	140910.154	140256.159	120508.326	137848.178	180711.392	184579.164
38.957221	30.176488	20.955395	25.370734	18.809819	17.927783	23.646796	23.120983	17.825466	18.372051	14.502746
2.727005	2.112354	0.419107	3.044488	15.61215	9.322447	1.418807	1.618468	1.960801	3.67441	0.290054
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
24.484301	23.777845	23.606457	25.849211	23.658799	19.352631	15.198557	14.968577	18.940869	21.079305	21.686315
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
9455.64397	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
287585.301	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
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0.23	0.48	0.1	0.55	21.09	11.81	0.52	0.61	0.72	2.34	0.13
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
343265.685	262639.39	225585.136	238132.22	183532.911	140910.154	140256.159	120508.326	137848.178	180711.392	184579.164
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
767.375605	732.59014	904.471907	1157.0115	943.378408	1011.27181	914.805166	836.301061	848.270493	713.125619	673.569436

3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
127862.284	106107.231	93254.438	97979.769	63672.2114	74442.1884	91883.7293	78577.365	56483.187	53583.5115	61423.8207

3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
9.205943	9.721357	9.852587	10.945563	8.331808	10.286699	10.051028	9.80397	7.83457	6.412051	7.335974
-64558.869	-69197.625	-96026.086	-117344.86	-110477.91	-119489.25	-126439.9	-110271.41	-97640.982	-80440.166	-83267.636
-64558.869	-69197.625	-96026.086	-117344.86	-110477.91	-119489.25	-126439.9	-110271.41	-97640.982	-80440.166	-83267.636
3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
64558.8685	69197.6249	96026.0859	117344.86	110477.909	119489.251	126439.897	110271.411	97640.9825	80440.1657	83267.636
64558.8685	69197.6249	96026.0859	117344.86	110477.909	119489.251	126439.897	110271.411	97640.9825	80440.1657	83267.636

102562.454	84714.4167	79264.0977	72141.289	69480.6131	70489.3446	102757.471	85797.5231	71335.9096	71391.7195	83149.1509
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
127862.284	106107.231	93254.438	97979.769	63672.2114	74442.1884	91883.7293	78577.365	56483.187	53583.5115	61423.8207
-64558.869	-69197.625	-96026.086	-117344.86	-110477.91	-119489.25	-126439.9	-110271.41	-97640.982	-80440.166	-83267.636
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457

321787.694	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
1295.82767	828.673999	1378.54437	1770.9899	1473.43679	1354.27265	994.124859	972.143379	1397.76965	1723.03292	1309.62068
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
158416.088	85878.918	100247.198	107614.86	70862.7014	68140.7792	67126.211	62445.8571	66197.6697	92708.4525	85403.0824
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
11.662976	7.834947	10.678867	11.98762	9.290098	9.760597	7.749561	8.111756	9.215171	11.075288	10.197911
-181557.95	-111421.35	-186240.12	-221701.38	-200299.67	-188823.73	-167940.94	-155752.62	-186955.63	-230560.61	-195476.97
-181557.95	-111421.35	-186240.12	-221701.38	-200299.67	-188823.73	-167940.94	-155752.62	-186955.63	-230560.61	-195476.97
4500.64863	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
321787.694	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
181557.953	111421.345	186240.121	221701.38	200299.665	188823.734	167940.941	155752.615	186955.629	230560.606	195476.972

181557.953	111421.345	186240.121	221701.38	200299.665	188823.734	167940.941	155752.615	186955.629	230560.606	195476.972
102562.454	84714.4167	79129.218	72141.289	75546.6594	71865.9664	101175.968	85797.5231	71098.2881	77635.2879	83149.1509
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
158416.088	85878.918	100247.198	107614.86	70862.7014	68140.7792	67126.211	62445.8571	66197.6697	92708.4525	85403.0824
-181557.95	-111421.35	-186240.12	-221701.38	-200299.67	-188823.73	-167940.94	-155752.62	-186955.63	-230560.61	-195476.97
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
1093185.94	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
4377.42447	3704.29565	4876.46157	6187.0887	5625.90091	4645.065	3567.289	3342.01571	4690.60962	5227.55627	4360.78901
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
935032.26	688388.706	619855.099	655781.6	481453.39	408736.85	424151.138	368862.193	383132.88	487773.053	495666.955
38.957221	30.176488	20.955395	25.370734	18.809819	17.927783	23.646796	23.120983	17.825466	18.372051	14.502746
2.727005	2.112354	0.419107	3.044488	15.61215	9.322447	1.418807	1.618468	1.960801	3.67441	0.290054
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
67.142162	62.497947	65.146183	71.808628	62.343329	56.590486	46.540472	46.219717	52.836321	57.314074	58.518398
-208435.84	-197356.47	-398602.76	-497663.62	-555724.95	-478343.72	-424523.72	-383402.66	-469888.05	-496589.68	-441730.02
-208435.84	-197356.47	-398602.76	-497663.62	-555724.95	-478343.72	-424523.72	-383402.66	-469888.05	-496589.68	-441730.02
26127.0404	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
1093185.94	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
208435.839	197356.465	398602.759	497663.62	555724.95	478343.717	424523.724	383402.665	469888.051	496589.678	441730.019
208435.839	197356.465	398602.759	497663.62	555724.95	478343.717	424523.724	383402.665	469888.051	496589.678	441730.019
0.23	0.48	0.1	0.55	21.09	11.81	0.52	0.61	0.72	2.34	0.13
410249.815	338857.667	316921.511	288565.15	296228.959	286365.977	409448.381	343190.092	285106.017	304297.583	332596.604
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
935032.26	688388.706	619855.099	655781.6	481453.39	408736.85	424151.138	368862.193	383132.88	487773.053	495666.955

-208435.84	-197356.47	-398602.76	-497663.62	-555724.95	-478343.72	-424523.72	-383402.66	-469888.05	-496589.68	-441730.02
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
10.796981	10.839264	10.969233	11.024938	11.257679	11.251098	11.139839	11.196279	11.240547	11.199818	11.157991
0.45657	0.431253	0.351339	0.333741	0.207395	0.244044	0.298015	0.284792	0.275687	0.240946	0.291252
0.439599	0.414225	0.338317	0.319623	0.145725	0.204689	0.286772	0.273669	0.260468	0.197369	0.279778
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3137504.69	2526185.65	2429670.34	2320460.6	2212199.34	2135827.09	2888322.26	2427292.01	2083233.7	2266048.55	2459923.83
12479.1881	10501.1553	11539.4884	12373.437	11943.3705	10920.8375	11852.7562	10614.9772	11270.7227	11918.346	11366.3256
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3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
0.033897	0.035965	0.032562	0.037807	0.036082	0.034236	0.03674	0.034023	0.031389	0.034732	0.034498
703465.081	574820.655	509344.372	493904.89	244990.619	310186.129	496451.106	421725.6	409687.977	329951.086	438791.423
843734.172	679904.427	561652.586	540906.5	269655.264	347067.689	562807.382	466156.383	451007.99	352180.141	467721.745
2.604235	2.592416	2.549894	2.545802	2.71913	2.613011	2.566256	2.544513	2.570431	2.453929	2.526535
994440.189	814737.849	741813.931	719803.83	396539.251	465615.173	714471.267	610641.165	601806.658	459573.207	642780.779
5949.27321	3838.02442	542.128991	180.26967	1438.24933	2108.58884	5585.65663	1592.58752	609.360405	92.95321	15.746928
144299.343	124109.351	132976.558	135035.6	105190.8	113281.207	149765.741	132549.022	133034.839	122683.623	135347.66
353.67486	352.583383	354.604154	351.6552	257.820588	307.829366	353.221087	352.523994	346.444893	300.695154	351.552363
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
197.47542	200.98892	153.109924	130.55005	57.827083	154.052374	202.434807	146.890871	135.478373	96.218775	97.783628
29.486896	29.42291	29.174344	29.271133	32.200406	30.754799	29.862361	29.70587	30.139935	28.502306	29.340576
1972748.71	1601777.62	1396159.69	1351168.4	707552.531	895193.882	1375686.95	1164148.72	1140921.23	886460.465	1192550.68
2630599.92	1979889.89	1415834.58	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
657851.217	378112.269	19674.8887	-67540.079	-208702.68	-217671.16	-156311.43	-187661.52	-258544.31	-172372.77	-192918.56
3565632.18	2668278.6	2035689.68	1939409.9	980303.241	1086259.57	1643526.66	1345349.4	1265509.8	1201860.75	1495299.08
1868.5	1688.29	1597.47	1525.71	901.8	1251.4	2100.15	1699.28	1393.28	1334.53	1363.51
275953.12	245605.638	227249.212	324676.22	17510.307	45444.5469	38627.779	42298.8798	142839.318	57361.5494	84889.5254
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637

233.08	200.43	243.19	225.58	386.42	336.35	392.73	340.25	301.09	365.45	315.67
169.310121	164.629896	139.94379	117.3687	151.065388	170.877229	205.69913	192.624886	156.875162	151.289671	156.767596
5.695777	6.203154	5.083819	3.871717	7.416897	6.103242	8.289047	7.723412	5.069928	6.567852	8.337318
18,220.70	16,197.23	15,287.17	9,919.47	28,803.86	24,805.34	39,306.03	31,790.22	18,768.34	26,566.38	23,957.98
360799.267	320425.185	273731.126	373003.01	19657.9054	52286.1912	44775.8259	48919.8916	163078.082	60670.9663	94137.0912
8.419936	8.722523	8.523561	9.721566	2.53656	4.884122	5.601587	4.568596	6.199233	4.612872	5.174718
7,627.03	7,008.03	7,150.65	10,408.88	465.35	1,277.38	917.93	1,145.79	4,438.87	1,876.54	2,777.77
35.290743	33.715991	26.214459	24.644614	21.791538	24.044956	31.435918	25.283926	20.592081	21.117403	22.33283
35.224402	33.668547	26.073866	24.143347	21.749956	23.983847	31.38129	25.229637	20.279176	20.98732	22.232334
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-22.859587	-26.105668	-21.697367	1.274496	-69.457134	-63.934674	-90.537978	-81.501142	-37.316328	-60.514317	-55.013541
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84341.7512	68517.1906	63976.9322	62221.816	46796.9793	47199.9917	63451.439	54007.3055	52567.5666	51068.9041	59191.1678
2748702.81	2207647.38	2151692.15	2144257.5	1720925.05	1692231.37	2145011.71	1833384.94	1808945.28	1769102.13	2008502.2
6647250.54	5545890.87	5687397.51	5646140.9	5754706.27	5368096.94	6606638.91	5728199.96	5440223.78	5852715.19	5824156.48
6675253.15	5544003.97	5691644.57	5449340.9	6226322.65	5759406.47	7305173.63	6273187.13	5551434.12	6288990.65	6181441.03
			0.000473	0.181818	0.086462		0.000241	0.015151	0.04434	0.000236
808793.919	665190.347	613079.268	556544.12	444998.094	496316.254	796974.32	662027.682	538953.025	555704.564	639516.565
5.54	4.08	3.75	3.7	1	4.31	4.3	3.86	4.61	4.16	3.7
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
10562911.3	8501439.14	7986148.07	7841243	6861017.82	6613550.79	8503797.78	7291183.14	6916575.31	7226923.13	7548689.05
7027464.55	5451249.75	4727991.22	4513763.7	3325571.03	3424716.43	4829706.01	4033026.3	3589095.98	3691476.34	4221209.72
1838174.36	1494642.28	1303466.52	1260710.3	666194.514	812682.862	1277278.65	1076797.55	1052814.65	811753.348	1110502.52
93235.7422	75525.2215	71127.5847	72630.695	47262.3324	48477.3729	64369.3683	55153.0936	57006.4396	52945.4464	61968.9372
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
7027464.55	5451249.75	4727991.22	4513763.7	3325571.03	3424716.43	4829706.01	4033026.3	3589095.98	3691476.34	4221209.72
92381.4078	72447.4442	56883.2086	54677.45	34964.0477	37835.8497	57481.6438	46571.0645	45891.1456	30343.4662	45471.5555
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
935032.26	688388.706	619855.099	655781.6	481453.39	408736.85	424151.138	368862.193	383132.88	487773.053	495666.955
-208435.84	-197356.47	-398602.76	-497663.62	-555724.95	-478343.72	-424523.72	-383402.66	-469888.05	-496589.68	-441730.02
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975

2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
-3396975.1	-3464737.9	-3111193.2	-3323320	-3535446.8	-3464737.9	-3252611	-3747573.6	-3323320	-3535446.8	-3464737.9
-3396975.1	-3464737.9	-3111193.2	-3323320	-3535446.8	-3464737.9	-3252611	-3747573.6	-3323320	-3535446.8	-3464737.9
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86

23.233704	36.684514	33.454477	27.194486	25.684521	20.314479	21.21456	23.484499	23.00457	20.244427	22.454598
21.532098	21.962864	21.962924	21.962884	21.962803	21.962823	21.962864	21.962964	21.962783	21.962844	21.962844
23.106261	36.560805	33.330783	27.070789	25.560809	20.190784	21.090833	23.360796	22.880838	20.120753	22.330855
23.204294	36.655966	33.425932	27.165941	25.655973	20.285934	21.186008	23.455952	22.976016	20.215887	22.426042
22.46905	35.94226	32.712313	26.4523	24.942249	19.57231	20.472193	22.742282	22.26218	19.502385	21.71214
22.753344	36.218226	32.988246	26.728241	25.218222	19.848245	20.748202	23.018234	22.538197	19.778272	21.988182
23.184687	36.636934	33.406902	27.14691	25.63694	20.266904	21.166973	23.436921	22.956981	20.19686	22.407004
23.2239	36.674998	33.444962	27.184971	25.675005	20.304964	21.205043	23.474983	22.995052	20.234914	22.445079

19.839924	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722
1.06	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
22.92	36.38	33.15	26.89	25.38	20.01	20.91	23.18	22.7	19.94	22.15
5.30528	5.524286	5.553059	4.975592	4.517026	4.251575	4.267356	4.302955	4.292044	4.277658	4.338763
19.319378	28.380631	26.229693	22.008236	20.963356	17.361228	17.962563	19.478859	19.157948	17.316727	18.795186
19.319378	28.380631	26.229693	22.008236	20.963356	17.361228	17.962563	19.478859	19.157948	17.316727	18.795186
0.023214	0.027857	0.039545	0.033803	0.036825	0.032831	0.032364	0.024693	0.030824	0.028725	0.023367
8615.25	8574.3	7606.8	8174.025	8668.575	8530.425	8012.025	9304.425	8199.225	8741.475	8613.9
21.977678	21.873214	21.610227	21.7974	21.671437	21.761288	21.771807	21.944398	21.806449	21.853687	21.974234
8820	8820	7920	8460	9000	8820	8280	9540	8460	9000	8820
22.5	22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5

		0.72	1.12		7.24	5.06	1.9	0.08	15.35	
0.28257	7.629389	7.629389	6.970059	6.593299	2.16637	3.67341	6.499109	4.23855	3.7676	1.13028
0.000165	0.099789	0.083348	0.025398	0.025816	0.013095	0.019553	0.038614	0.023881	0.01866	0.002
0.000153	0.097193	0.080823	0.024707	0.02495	0.012755	0.01894	0.037688	0.023271	0.0182	0.001938
81.337573	31438.6774	17879.1117	1984.15724	1370.571	3582.76662	3645.58973	29604.7012	11635.0828	7563.78699	1844.21412
0.282601	118.144381	70.4377	8.3342	6.763536	18.080776	14.624431	101.390142	41.684908	33.760139	8.732483
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08

0.023418	0.02352	0.03463	0.031037	0.0297	0.027729	0.033369	0.031344	0.030771	0.0292	0.030484
32.77812	20814.1062	15542.2919	5075.14558	5452.09396	2731.51	3807.72494	8729.90596	4780.1425	3977.07856	415.18952
155.245772	89885.3977	66000.2762	23613.7705	25096.6623	11451.6355	17099.5868	39197.8465	21686.4554	17436.7568	1800.21746
0.140291	3.531081	3.604337	3.355346	3.151834	0.954021	1.729943	3.022513	1.990669	1.753841	0.526712
14.417818	6139.41999	3438.6353	375.945822	250.634135	713.320118	670.662493	5515.16488	2145.20352	1447.18289	352.833496
22203.56	22201.24	19708.98	21131.14	22510.96	22105.54	20631.76	23821.18	21136.94	22522.56	22042.9
56.641734	56.635816	55.99142	56.349706	56.2774	56.391683	56.064565	56.182028	56.215265	56.3064	56.231887
22736	22736	20416	21808	23200	22736	21344	24592	21808	23200	22736
58	58	58	58.154666	58	58	58	58	58	58	58
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
1.581563	39.984538	40.649105	37.68323	35.632607	10.900144	19.511999	34.165075	22.425435	19.889201	5.988133
1.581563	39.984538	40.649105	37.68323	35.632607	10.900144	19.511999	34.165075	22.425435	19.889201	5.988133
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
192.762886	124974.315	97520.5495	31880.6364	33833.249	16109.7067	24784.3768	57917.4572	31040.2424	25071.8426	2296.96452
5.961213	16946.8928	18067.9609	3871.51162	3947.79784	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
192.762886	124974.315	97520.5495	31880.6364	33833.249	16109.7067	24784.3768	57917.4572	31040.2424	25071.8426	2296.96452
137.93	275.41	246.35	223.83	194.61	94.46	130.99	249.12	181.69	120.09	149.77
105.464098	76588.7452	61573.4769	26024.9675	28514.8801	10221.5494	16729.544	17167.2058	14156.9693	13343.6692	331.487042
107.540355	88206.3278	75280.7653	29638.4353	32300.0121	11761.8302	20303.5963	21079.1784	16844.6559	15972.5319	345.135452
1.153656	38.042018	39.987976	39.996148	39.841643	11.015948	19.978416	20.137327	17.308939	16.818469	1.717891
1.949283	1557.98771	1285.02565	498.906439	552.230579	214.267956	333.056847	341.303862	279.74721	268.594932	6.620238
52.683413	51.042554	53.155536	53.24387	50.837346	48.324726	51.213202	51.321722	51.551838	50.366563	50.97935
1.580502	40.769619	39.320604	22.354635	12.694243	7.24642	16.378953	34.320463	21.619711	18.083606	6.08268
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
0.008877	5.637244	4.687784	1.436853	1.4471	0.739795	1.098532	2.185943	1.349734	1.0556	0.112448
5.961213	16946.8928	18067.9609	3871.51162	3947.79784	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
5.961213	16946.8928	18067.9609	3871.51162	3947.79784	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
1.530716	651.812293	365.074349	39.91356	26.60942	75.732043	71.203152	585.536137	227.752789	153.645067	37.459761
81.337573	31438.6774	17879.1117	1984.15724	1370.571	3582.76662	3645.58973	29604.7012	11635.0828	7563.78699	1844.21412
0.05	24.09	15.38	7.31	8.15	3.57	4.53	6.52	4.78	4	0.4
-5.961213	-16946.893	-18067.961	-3871.5116	-3947.7978	-2305.3907	-4409.243	-11145.55	-5248.1903	-4164.3864	-121.26335
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0.01	3.91	1.88	0.12	0.24	0.17	0.34	3.44	1.48	0.97	0.36
16.4871	9941.4672	7045.6748	2125.7563	2001.1561	986.901	1612.3818	4556.4742	2336.5959	1604.4886	160.6027
0.01	0.89	0.44	0.15	0.32	0.05	0.06	0.29	0.06	0.18	0.05

4.1335	375.2329	185.5084	63.2415	134.9152	21.0805	25.2966	122.2669	25.2966	75.8898	21.0805
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
155.245772	89885.3977	66000.2762	23613.7705	25096.6623	11451.6355	17099.5868	39197.8465	21686.4554	17436.7568	1800.21746
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
4.1335	375.2329	185.5084	63.2415	134.9152	21.0805	25.2966	122.2669	25.2966	75.8898	21.0805
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
27.4224	17766.792	13266.804	4332.1128	4653.8736	2331.6	3250.2504	7451.7936	4080.3	3394.8096	354.4032
	0.33	0.47	0.24							
11.155972	10.789357	10.83556	10.994405	11.026068	11.243697	11.271309	11.162346	11.206498	11.224085	
0.530608	0.784768	0.73337	0.616985	0.59473	0.495925	0.483017	0.52175	0.509866	0.506994	
0.513224	0.758785	0.705107	0.597289	0.575438	0.477829	0.466706	0.501604	0.494393	0.377717	
680861.171	893353.249	725445.024	593706.93	485019.947	569349.679	557183.477	757140.252	649677.29	467711.097	
2672.6156	3475.67868	2943.45419	2739.41788	2515.94811	3030.05113	2817.62416	3037.59028	2767.83005	2411.18637	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
0.033826	0.034489	0.039517	0.033563	0.0326	0.038724	0.035027	0.03941	0.030718	0.04495	0.035204
248461.94	353916.887	296853.012	272969.253	280886.378	232996.354	214433.472	263092.001	230742.981	187403.082	
265305.897	385474.116	323457.923	298369.112	306864.98	252867.482	233860.437	287339.227	251753.405	203766.776	
2.7049	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	
408695.046	600455.391	503640.821	463119.635	476551.828	395301.613	363807.829	446361.889	391478.541	317948.069	
42040.14	42011.28	37527.99	40335.18	42952.56	41827.02	39417.21	45209.19	40453.95	32992.53	
107.245255	107.171632	106.613607	107.56048	107.3814	106.701581	107.111983	106.625448	107.590292	82.481325	
43512	43512	39072	41736	44400	43512	40848	47064	41736	44400	43512
111	111	111	111.296	111	111	111	111	111	111	111
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
32.012208	31.869011	32.051909	32.472816	32.531461	33.364908	33.330101	33.046661	33.04742	33.328411	
31.676661	31.605768	31.735209	32.175323	32.262401	32.877481	32.947973	32.642506	32.766	32.821651	
714654.399	1044171.04	877328.577	806462.255	829346.638	689047.257	633691.82	778916.181	680372.799	554775.569	
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378.74	378.48	338.09	363.38	386.96	376.82	355.11	407.29	364.45	297.04	
26860.1986	143421.308	144080.674	206171.645	337743.011	110838.058	69843.3828	12916.409	25331.0293	79830.5521	
29370.7335	203939.09	196497.776	255183.481	398485.277	123894.546	80251.4216	14995.2574	28353.9241	90445.3343	

21.011166	27.249071	29.080272	42.509894	57.720324	39.298175	34.071528	17.836728	22.199943	32.792555	
881.754758	4628.49107	4657.86192	6618.36042	10796.3757	3572.61557	2234.75901	412.793912	806.21165	2574.39042	
22.851222	30.245081	27.704492	24.27463	23.617482	19.72888	20.370179	21.76434	21.85959	19.70441	
22.81856	30.209891	27.643268	23.988782	22.685301	19.283057	19.945434	21.74969	21.820787	19.262754	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
56.967877	84.225168	78.26696	66.475893	63.87362	53.039096	51.804407	55.678056	54.87768	41.92663	
-259355.3	124244.161	15425.5194	-151950.95	-208654.81	-313100.66	-275316.15	-254420.52	-248913.4	-235591.64	
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21449.6532	28387.7749	22892.1081	18310.0996	14753.0723	17218.7104	16829.263	23194.7021	19827.7963	14196.2616	
680861.171	893353.249	725445.024	593706.93	485019.947	569349.679	557183.477	757140.252	649677.29	467711.097	
9.05	87.56	69.15	52.25	46.54	12.15	11.46	5.38	8.11	11.52	
129484.246	-309236.52	-170590.59	9269.92601	61835.5001	191313.468	163231.772	116902.334	128304.041	137636.053	
100113.513	-513175.61	-367088.36	-245913.55	-336649.78	67418.922	82980.3499	101907.077	99950.1168	47190.7192	
330.77	203.03	177.78	215.77	206.12	293.77	285.05	360.5	317.31	228.65	
									0.2225	1
93473.0013	94018.8859	80225.4579	76042.8346	72316.5097	68591.1437	68425.6539	97394.3363	82989.6279	55598.9941	
0.87	0.91	0.96	0.81	0.81	1.09	0.82	1.09	0.66	0.89	
6933.03	7396.48	7802.88	6583.68	6583.68	8859.52	6664.96	8859.52	5364.48	7233.92	
844525.455	1229163.39	1032493.65	949143.284	976165.948	810834.451	745776.196	916434.37	800982.155	652731.16	
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674000.943	985929.507	827098.743	761488.747	783416.808	648169.095	597668.266	733701.117	643231.947	521714.845	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
6933.03	7396.48	7802.88	6583.68	6583.68	8859.52	6664.96	8859.52	5364.48	7233.92	
844525.455	1229163.39	1032493.65	949143.284	976165.948	810834.451	745776.196	916434.37	800982.155	652731.16	
33720.4261	50845.0496	42426.9538	38389.8284	39346.1499	32018.642	29358.5939	36355.5438	31776.3723	25826.8041	
28.19	40.72	52.48	75.57	114.15	53.92	41.42	13.43	21.5	41.09	

0.028622	0.037346	0.025511	0.035638	0.02595	0.034617	0.024076	0.036014	0.02601	0.038675	0.015867

1142.34	1132.08	1029.06	1087.8	1168.86	1135.29	1077.42	1226.19	1098.66	1153.59	1157.34
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1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

11.539651	11.270635	11.324442	11.463945	11.484942	11.801553	11.794446	11.667869	11.650763	11.873715	11.575881
0.663292	0.84305	0.80873	0.731784	0.71316	0.582429	0.586986	0.623606	0.63497	0.572007	0.656609
0.534672	0.808292	0.768685	0.700608	0.67842	0.383551	0.558326	0.59831	0.606414	0.438627	0.628509
226693.603	339660.491	290924.557	287167.746	296704.902	167952.263	230940.861	282871.416	253633.015	196596.823	272431.912
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9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
0.040127	0.04153	0.052045	0.042765	0.047025	0.052423	0.048152	0.041155	0.043271	0.04695	0.043647
103547.101	152423.258	130622.596	128901.937	133251.069	75613.5582	103724.125	126968.421	113815.027	88551.742	122258.264
110444.717	166128.681	142253.561	140609.284	145242.366	82160.9291	113288.922	138760.456	124425.16	96152.8	133576.608
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107326.57	159907.24	137036.166	135231.022	139793.696	79326.1839	108816.979	133202.57	119403.345	92899.6326	128261.144
13574.67	16155.96	14348.24	15476.56	16350.32	11087.12	15062.04	17481.65	15428.4	13176.92	16120.27
34.62926	41.214183	40.762045	41.270826	40.8758	28.283469	40.929456	41.230306	41.032978	32.9423	41.123137
16856	16856	15136	16168	17200	16856	15824	18232	16168	17200	16856
43	43	43	43.114666	43	43	43	43	43	43	43
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
26.112939	25.489056	25.72337	25.985878	26.014057	27.544938	26.757661	26.410844	26.37849	27.680758	26.288084
25.17209	25.110398	25.224161	25.523066	25.567137	26.255451	26.228057	25.955037	25.919765	26.411342	25.758669
234773.817	344283.95	295909.851	292032.429	301529.381	175591.021	235443.708	287535.079	257934.842	205200.476	277618.227
228582.114	532696.781	419655.85	340184.206	333112.164	148825.79	212294.122	293654.109	253384.11	174340.637	260761.147
-6191.7033	188412.831	123745.998	48151.7772	31582.7824	-26765.231	-23149.586	6119.02986	-4550.7323	-30859.84	-16857.08
228582.114	532696.781	419655.85	340184.206	333112.164	148825.79	212294.122	293654.109	253384.11	174340.637	260761.147
315.69	375.72	333.68	359.92	379.81	257.84	350.28	406.55	358.8	306.44	374.89

23.178073	31.334227	31.561648	26.853301	23.613934	18.043627	18.558207	19.410211	20.591561	17.590547	21.813397
5.330956	9.71361	10.099727	6.176259	6.611901	2.88698	5.938626	4.852552	4.941974	10.554328	21.377129
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
22.990918	34.756556	33.053494	30.206506	29.1721	16.492729	24.008043	25.727334	26.075824	18.860975	27.025918
-60315.773	108741.194	55469.5672	-19225.265	-38067.551	-66288.438	-77366.186	-60247.364	-64041.847	-77145.835	-80761.474
-60315.773	108741.194	55469.5672	-19225.265	-38067.551	-66288.438	-77366.186	-60247.364	-64041.847	-77145.835	-80761.474

9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
226693.603	339660.491	290924.557	287167.746	296704.902	167952.263	230940.861	282871.416	253633.015	196596.823	272431.912
6191.70332	-188412.83	-123746	-48151.777	-31582.782	26765.2309	23149.5864	-6119.0299	4550.73233	30859.8398	16857.0799
6191.70332	-188412.83	-123746	-48151.777	-31582.782	26765.2309	23149.5864	-6119.0299	4550.73233	30859.8398	16857.0799
2.97	3.63	3.48	2.52	3.26	2.34	4.39	2.84	2.82	16.33	56.9
0.160714				0.0025	0.303571			0.002659	0.1975	
75823.5929	92887.8029	78395.1145	74715.4858	70401.0881	45186.7938	66776.4163	96878.4151	80952.2923	53051.2001	69521.3458
2.05	1.15	1.24	1.21	1.2	1.9	1.12	1.16	1.07	2.14	1.29
8080.2144	4623.45885	4985.29476	4864.68279	4824.4788	7638.7581	4502.84688	4663.66284	4301.82693	8603.65386	5186.31471
288897.886	423955.587	364186.282	359409.471	371179.715	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
288897.886	423955.587	364186.282	359409.471	371179.715	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
217771.287	326035.921	279289.727	275840.306	285036.062	161487.113	222105.901	271963.026	243828.505	189052.433	261837.752
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
8080.2144	4623.45885	4985.29476	4864.68279	4824.4788	7638.7581	4502.84688	4663.66284	4301.82693	8603.65386	5186.31471
288897.886	423955.587	364186.282	359409.471	371179.715	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
8922.3156	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
0.025408	0.033112	0.028096	0.02617	0.026625	0.026913	0.036983	0.049504	0.021648	0.027075	0.037525
1146.12	1137.06	1026.33	1098.48	1168.05	1144.35	1063.17	1209.03	1103.58	1167.51	1131.87
2.923775	2.900663	2.91571	2.92928	2.920125	2.91926	2.889048	2.851485	2.935053	2.918775	2.887423
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

9.26629	9.74121	5.193558	4.062732	1.545227	3.247657	6.915892	4.226148	2.534573
0.021216	0.026511	0.003684	0.003393	0.002761	0.00517	0.012611	0.005623	0.00505
0.020642	0.025579	0.003553	0.003275	0.002637	0.004945	0.012136	0.005377	0.004975
2002.2233	1335.69826	24.968554	129.108158	17.37564	309.199849	3310.05633	756.10285	525.850124
7.477834	5.172184	0.114688	0.624941	0.084623	1.216375	10.914223	2.651759	2.381207

	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
0.027142	0.029489	0.034687	0.030305	0.033437	0.028227	0.026413	0.032122	0.028337	0.0281	0.027959
	5693.8	6380.2	941.2	917.9	727.7	1291.4	3646.9	1429.5	1407.1	
	21154.7791	24049.0374	3834.01033	4199.1294	3005.83706	5798.94275	16461.9268	6491.65187	6177.00218	
	2.540088	2.752882	1.474881	1.3297	0.467344	1.03308	2.162022	1.351331	0.798797	
	539.051744	386.210816	11.560877	27.412231	4.227265	67.154884	724.765264	165.528162	122.0811	
19094.4	19056.5	16907.9	18211.5	19293	19127	17893.3	20586.2	18245.5	19381.9	19093.4
48.710204	48.61352	48.033806	48.564	48.2325	48.793367	48.623097	48.552358	48.525265	48.45475	48.707653
19600	19600	17600	18800	20000	19600	18400	21200	18800	20000	19600
50	50	50	50.133333	50	50	50	50	50	50	50
	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
	45.292307	57.552122	25.748039	20.190992	8.690308	23.753994	53.809384	29.900675	19.005354	
	36.067391	39.263061	20.773158	18.687362	6.580949	14.608103	30.665912	19.170984	11.48359	
	21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
	23941.6119	28835.8195	4331.73375	4493.58867	3335.30616	6770.70103	19013.7855	7403.49	7013.73598	
	2601.85988	4679.63507	486.225426	280.317276	318.776096	960.48928	2479.88872	897.235134	822.130791	
	23941.6119	28835.8195	4331.73375	4493.58867	3335.30616	6770.70103	19013.7855	7403.49	7013.73598	
61.01	310.31	305.64	220	153.37	136.52	204.96	352.56	248.71	166.9	143.78
	19337.5288	22820.4862	3820.53977	4084.16324	2999.15442	5501.0119	13223.8405	5750.15202	5665.75506	
	21708.2625	27173.5285	4306.42824	4361.74244	3315.7355	6425.26444	15209.5457	6573.20314	6421.12906	
	13.241224	14.872182	7.748158	5.64033	2.340701	5.156893	9.739899	5.859709	3.96493	
	366.096303	423.057635	65.974223	63.541983	51.398052	86.246079	205.669366	89.276559	90.779921	
	55.027392	55.603927	46.124547	67.488838	59.927477	69.445374	65.000765	64.037742	62.326264	
	16.366027	14.457021	0.461245	1.349776	1.182253	3.472268	23.389642	12.807548	6.855889	
	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
	1.032142	1.278977	0.178133	0.16375	0.131887	0.247282	0.606839	0.268882	0.24875	
	2601.85988	4679.63507	486.225426	280.317276	318.776096	960.48928	2479.88872	897.235134	822.130791	
	2601.85988	4679.63507	486.225426	280.317276	318.776096	960.48928	2479.88872	897.235134	822.130791	
	38.503696	27.142364	0.825776	1.958016	0.301947	4.75392	51.630633	11.82344	8.720078	
	2002.2233	1335.69826	24.968554	129.108158	17.37564	309.199849	3310.05633	756.10285	525.850124	
	5.29	6.07	0.96	1.21	0.65	1.27	3.23	1.28	1.28	
	-2601.8599	-4679.6351	-486.22543	-280.31728	-318.7761	-960.48928	-2479.8887	-897.23513	-822.13079	
	-24310.122	-31853.164	-4792.6537	-4642.0597	-3634.5116	-7385.7537	-17689.434	-7470.4383	-7243.2599	
	0.31	0.22		0.04		0.07	0.31	0.09	0.06	
	2836.1382	3287.5996	421.229	336.4342	275.1341	641.6388	2163.7479	779.4697	638.36	

0.35	0.15	0.02	0.03	0.02	0.01	0.11	0.02	0.02	
173.703	77.477	9.198	13.797	9.198	4.599	54.835	9.198	9.198	
21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
21154.7791	24049.0374	3834.01033	4199.1294	3005.83706	5798.94275	16461.9268	6491.65187	6177.00218	
404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
173.703	77.477	9.198	13.797	9.198	4.599	54.835	9.198	9.198	
21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
11.27	29.67	2.3	0.345	1.495	6.67	17.135	5.405	5.405	
0.09	0.1	0.03							

0.030025	0.022525	0.025625	0.01984	0.018625	0.032933	0.035	0.038301	0.029813	0.02655	0.032397

1520.92	1532.68	1371.92	1474.16	1570.2	1516.36	1420.48	1631.04	1459.16	1557.52	1517.2
3.879897	3.909897	3.8975	3.931093	3.9255	3.868265	3.86	3.846792	3.880744	3.8938	3.870408
1568	1568	1408	1504	1600	1568	1472	1696	1504	1600	1568
4	4	4	4.010666	4	4	4	4	4	4	4

10.463451	10.210967	10.242037	10.357705	10.380924	10.685273	10.666462	10.529891	10.573732	10.686945	10.527712
0.454864	0.708501	0.669807	0.544735	0.519456	0.355722	0.357439	0.409554	0.389497	0.377723	0.407325
0.430796	0.669224	0.630858	0.515622	0.489849	0.254427	0.33888	0.389494	0.363493	0.355653	0.384177
274971.832	430442.109	365271.184	323413.435	317428.912	168340.971	214286.151	281567.489	233643.967	240834.511	255813.752
1074.98889	1682.58908	1491.78496	1496.20429	1649.16814	893.91986	1060.88046	1107.28983	986.592647	1260.24216	1319.29768
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
0.052551	0.059591	0.057613	0.055	0.057175	0.063698	0.05576	0.051132	0.068138	0.05775	0.060255
102832.84	155198.754	131832.451	116584.46	118283.643	61788.5057	77385.2806	101417.732	84173.9572	87932.898	92354.0191
110108.524	169320.212	143510.613	127624.688	129466.098	66762.7468	84506.2097	111097.928	92182.0722	95323.5835	101502.6
2.6151	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222
159915.349	253315.407	215176.927	190289.156	193062.561	100851.199	126308.255	165534.021	137388.733	143524.076	150740.23
21764.04	21602.304	19438.792	20821.752	22044.734	16344.126	20362.328	23575.952	20532.268	22086.34	21587.068

55.52051	55.107918	55.22384	55.524671	55.111834	41.694198	55.332413	55.60366	54.607095	55.215849	55.069051
22971.2	22971.2	20627.2	22033.6	23440	22971.2	21564.8	24846.4	22033.6	23440	22971.2
58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
31.024322	30.890366	30.706856	31.353023	31.262737	37.270302	34.511759	32.30037	33.158915	33.491322	33.312252
27.854191	28.307092	28.39105	28.705491	28.767848	29.605082	29.544769	29.172287	29.292133	29.60822	29.163422
302149.554	457832.308	389033.072	349970.22	351728.741	207252.376	242627.515	307829.748	261741.453	267355.393	286835.766
274751.344	640820.604	502459.494	379974.785	363620.545	150614.484	200134.198	298908.856	232101.507	225424.148	240947.116
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274751.344	640820.604	502459.494	379974.785	363620.545	150614.484	200134.198	298908.856	232101.507	225424.148	240947.116
371.4	368.64	331.72	355.32	375.25	278.91	347.48	402.32	350.38	376.9	368.38
	33.679131	52.903391	294.525526	10955.5993	2253.66799	255.336142		11.458762	2264.76733	929.842455
	47.181772	71.736633	344.99373	13690.9492	2644.62152	279.364511		11.999576	2721.55528	1018.18729
	1.085969	1.571168	3.324512	10.421505	6.739028	3.211132		0.352257	6.751163	5.021809
	1.085969	1.701618	10.297077	392.452424	81.490993	9.025977		0.352257	82.531966	33.07305
22.624145	33.362259	32.685051	26.246986	25.507209	21.979297	21.529732	22.02616	22.92386	18.641416	22.406152
18.77804	30.693278	28.435884	24.124356	25.381741	20.578493	18.90733	18.281713	19.712826	18.623165	22.403561
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
25.244688	39.21653	36.968295	30.296037	28.705155	14.909428	19.858391	22.824358	21.300691	20.84127	22.512826
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9895.918	15371.794	13011.1384	11350.7169	11089.6096	5763.00501	7298.86202	9677.528	8008.70774	8253.97603	8791.95495
274971.832	430442.109	365271.184	323413.435	317428.912	168340.971	214286.151	281567.489	233643.967	240834.511	255813.752
	0.09	0.09	0.05	0.59	0.09	0.04			0.66	0.45
27398.2099	-182988.3	-113426.42	-30004.565	-11891.804	56637.8912	42493.3166	8920.89255	29639.9455	41931.2454	45888.6498
27398.2099	-183035.48	-113498.16	-30349.558	-25582.753	53993.2697	42213.9521	8920.89255	29627.946	39209.6901	44870.4626
20.67	18.37	19.71	20.06	17.33	15.65	18.15	25.5	17.43	90.76	324.6
				0.0025	0.242346					
84593.5294	84883.5703	72986.3973	68985.8749	65969.9871	46031.5081	62074.7486	90384.5172	73203.7902	64618.7657	63894.161
1.52	1.5	1.3	1.44	1.28	2.01	1.54	1.44	1.54	1.33	1.65
27177.7216	27356.52	23708.984	26262.2592	23344.2304	36657.7368	28086.0272	26262.2592	28086.0272	24256.1144	30092.172
355900.279	538954.697	457941.894	410908.917	413555.601	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
355900.279	538954.697	457941.894	410908.917	413555.601	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
270023.873	422635.619	358687.539	317913.844	322528.659	167613.946	210814.465	276631.95	229570.805	238847.66	252242.83
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028

27177.7216	27356.52	23708.984	26262.2592	23344.2304	36657.7368	28086.0272	26262.2592	28086.0272	24256.1144	30092.172
355900.279	538954.697	457941.894	410908.917	413555.601	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
4947.959	7840.1688	6636.5484	5794.11714	5855.85162	2980.69296	3727.02288	4935.53928	4084.6206	4251.61908	4500.76428
	0.05	0.04	0.2	1.6	0.5	0.14		0.04	1.66	4.15
	6.45	7.8	2.85	1.5	1.5	2.4	5.85	3.9	2.4	
	0.013352	0.021157	0.002281	0.00106	0.001955	0.004051	0.00982	0.004416	0.003856	
	0.013035	0.020568	0.002234	0.001025	0.001887	0.00394	0.009481	0.004281	0.003725	
	179.665922	302.767471				37.645236	288.659656	107.546706	47.427893	
	0.674643	1.169182				0.145226	0.959149	0.398241	0.204359	
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
0.021479	0.017627	0.027357	0.026675	0.0361	0.026658	0.027173	0.028443	0.037021	0.033225	0.040535
	1073.1	1520.4	176.4	86.1	155.4	304.5	844.2	338.1	312.9	
	3822.43837	5577.23013	749.3453	382.388032	637.680271	1361.19688	3824.04517	1549.40992	1373.10458	
	1.571929	2.022308	0.806021	0.444365	0.419327	0.715963	1.746748	1.166816	0.704936	
	42.852453	84.495147				8.4	62.621203	22.715773	8.4	
5370.12	5391.26	4793.18	5123.58	5397.84	5341.7	5012	5767.16	5069.12	5413.94	5265.54
13.699285	13.753214	13.616988	13.66288	13.4946	13.626785	13.619565	13.601792	13.481702	13.53485	13.4325
5488	5488	4928	5264	5600	5488	5152	5936	5264	5600	5488
14	14	14	14.037333	14	14	14	14	14	14	14
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
	24.519078	31.407208	12.215318	6.665476	6.28991	10.846591	27.089612	17.502252	10.751135	
	24.519078	31.407208	12.215318	6.665476	6.28991	10.846591	27.089612	17.502252	10.751135	
	4000.93837	5650.73013	759.8453	382.388032	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
	4302.21283	6696.22734	843.174178	412.035776	694.922429	1577.74051	4351.50118	1753.56692	1534.16005	
	301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469	
	4302.21283	6696.22734	843.174178	412.035776	694.922429	1577.74051	4351.50118	1753.56692	1534.16005	
28.5	161.41	165.02	105.95	77.39	82.23	115.95	183.78	124.01	94.13	73.83
	3821.27245	5347.96266	759.8453	382.388032	637.680271	1334.05164	3608.88551	1441.86321	1346.67669	
	4129.59024	6337.94028	843.174178	412.035776	694.922429	1534.15309	4030.49472	1623.68071	1494.77325	
	5.86626	7.238126	2.66	1.4	1.4	2.24	5.385121	3.40134	2.24	
	68.683169	95.72699	11.76	5.74	10.36	19.74	52.105253	21.025615	20.3	
	61.580645	59.027477				73.423347	71.697638	72.41563	73.727102	
	5.542258	5.902747				0.734233	10.037669	5.069094	1.474542	
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	

0.1825	0.287954	0.03136	0.01435	0.026428	0.055163	0.132735	0.059946	0.05215	
301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469	
301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469	
2.85683	5.633009				0.56	4.174746	1.514384	0.56	
179.665922	302.767471				37.645236	288.659656	107.546706	47.427893	
4	4.49	0.64	0.38	0.61	0.85	2.4	1.09	0.99	
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1335.0637	1809.3734	196.5281	84.4551	146.6493	343.6582	1151.0721	434.5479	335.8991	
0.17	0.07	0.01			0.01	0.07		0.02	
178.5	73.5	10.5			10.5	73.5		21	
4000.93837	5650.73013	759.8453	382.388032	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
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3822.43837	5577.23013	749.3453	382.388032	637.680271	1361.19688	3824.04517	1549.40992	1373.10458	
71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
178.5	73.5	10.5			10.5	73.5		21	
4000.93837	5650.73013	759.8453	382.388032	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
0.04	0.03								

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0.302167	0.465902	0.439172	0.362565	0.349685	0.260839	0.274788	0.303233	0.294423	0.258794	0.201573
0.286604	0.449605	0.420984	0.349448	0.336083	0.232468	0.264428	0.291896	0.283118	0.226056	0.135252
1182607.94	1697076.42	1401158.34	1206297.24	1100653.44	909243.055	1006402.92	1354782.57	1149453	913279.496	530089.878
4631.74676	6613.81493	5701.4417	5578.15127	5721.00891	4836.62091	5058.42033	5393.92313	4882.9519	4776.1714	2741.03784
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
0.030269	0.032416	0.036301	0.033191	0.034318	0.035725	0.034612	0.036749	0.034081	0.03539	0.034109
454874.659	689119.906	582750.951	524648.395	538877.183	374013.027	400946.502	504699.16	435279.708	369584.801	215027.472
486014.384	835785.625	704848.64	594800.21	611251.624	416886.31	455915.295	596681.43	498088.155	420230.023	236879.425
2.545891	2.675361	2.673675	2.630136	2.63104	2.656095	2.625944	2.649947	2.626715	2.63681	2.390061
675936.965	1013678.04	855853.913	788639.812	809408.086	575478.996	598933.063	745098.481	648270.619	554371.778	279001.374
14.417818	6721.32419	3909.34126	387.506699	278.046366	717.547383	746.217377	6302.55135	2333.44746	1577.66399	352.833496
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348.141734	354.06802	351.588613	354.491138	352.812747	326.936048	353.129709	353.330228	352.996816	320.485712	246.248693
143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2

367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
90.731034	198.044357	218.090572	165.458305	152.297333	124.060513	148.712107	206.821951	162.413189	144.146185	65.58847
29.339893	30.115076	30.214059	30.021834	30.109575	31.171263	30.83736	30.814294	30.61431	30.834726	27.314737
1251764.57	1979655.41	1671531	1481079.38	1517085.87	1089349.18	1139320.09	1441484.36	1233896.81	1055824.6	566629.694
1088696.37	2680143.08	2103087.11	1554406.86	1502982.72	817313.999	916021.187	1335859.55	1077751.67	850524.038	504005.228
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26965.6627	243202.533	233875.503	237071.523	381680.041	126950.11	93663.3265	46916.3407	46691.4726	102451.42	1261.3295
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23.357422	37.428392	35.731384	28.588005	26.423698	21.731728	24.359223	32.157898	28.009251	22.70532	23.23946
23.33921	37.362742	35.707843	28.458541	25.973846	21.479361	24.167081	32.131971	27.981602	22.531594	23.226622
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
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9.1	121.03	95.18	61.21	56.87	17.07	18.15	17.53	15.26	18.45	0.85
163068.198	-700487.67	-431556.1	-73327.482	14103.1514	272035.181	223298.899	105624.802	156145.136	205300.566	62624.4664
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253906.611	285902.928	243749.618	222487.709	211109.63	161218.13	199874.498	292528.563	240696.324	175847.708	133576.11
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42195.0995	40103.8948	36833.6442	37793.5615	34901.1014	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672
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42195.0995	40103.8948	36833.6442	37793.5615	34901.1014	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672
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47618.1231	90087.8504	73994.8062	59845.7983	61525.0601	43797.58	45177.4972	59668.4017	49751.2079	41023.0278	15449.3275
28.19	41.23	53.12	76.04	115.75	54.42	41.56	13.43	21.54	42.75	4.15
2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387
2820.91927	1566.37968	1436.40867	1335.39504	954.966574	1713.18777	1693.73506	3190.25069	2677.92978	2068.28466	3541.99049
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99556.3937	100325.585	86402.8508	80956.0188	76780.3978	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387
353.64	227.22	201.53	237.77	225.05	319.23	307	392.21	338.41	337.87	386.36
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719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387
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2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
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2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6

267040.394	292029.204	269129.943	284417.808	332376.813	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
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7721.97185	8580.29688	7461.32362	7885.1624	9214.77164	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
178168.855	313053.685	248360.219	213145.695	234855.468	166827.392	132563.896	132773.006	114395.014	135227.538	164140.403
7721.97185	8580.29688	7461.32362	7885.1624	9214.77164	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
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267040.394	292029.204	269129.943	284417.808	332376.813	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
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267748.935	308825.547	269129.943	284417.808	332376.813	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
7721.97185	8580.29688	7461.32362	7885.1624	9214.77164	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449

267748.935	308825.547	269129.943	284417.808	332376.813	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
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7721.97185	8580.29688	7461.32362	7885.1624	9214.77164	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
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263597.588	287262.568	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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8679.08182	9641.8954	8382.64281	8860.89151	10344.1154	9291.75416	7111.68219	6452.69589	5646.24777	7579.14509	8268.10495
200220.258	351779.368	279035.154	239497.199	263698.153	187385.482	149088.365	149102.882	128419.328	152028.249	184569.528
20.775336	33.462099	34.444743	18.980398	21.950316	18.333041	22.18154	18.967668	18.342457	18.31808	20.940612
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263597.588	287262.568	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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177955.136	186798.284	176782.486	191151.996	224617.594	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
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3473.6509	3646.26751	3450.761	3731.25114	4384.49334	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
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3473.6509	3646.26751	3450.761	3731.25114	4384.49334	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
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3473.6509	3646.26751	3450.761	3731.25114	4384.49334	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
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177955.136	186798.284	176782.486	191151.996	224617.594	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
177955.136	186798.284	176782.486	191151.996	224617.594	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
3473.6509	3646.26751	3450.761	3731.25114	4384.49334	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
177955.136	186798.284	176782.486	191151.996	224617.594	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
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177955.136	186798.284	176782.486	191151.996	224617.594	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
267197.181	322188.041	205479.733	296722.488	352441.717	270697.755	260397.622	242643.42	228103.883	269975.23	321030.538
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268114.278	340926.784	205479.733	296722.488	352441.717	270697.755	260397.622	242643.42	228103.883	269975.23	321030.538
3747.43767	4655.51218	2802.12372	4046.39967	4806.24188	3691.50082	3551.03807	3308.92432	3110.64888	3681.64776	4377.88815
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3747.43767	4655.51218	2802.12372	4046.39967	4806.24188	3691.50082	3551.03807	3308.92432	3110.64888	3681.64776	4377.88815
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0.030269	0.032416	0.036301	0.033191	0.034318	0.035725	0.034612	0.036749	0.034081	0.03539	0.034109
454874.659	689119.906	582750.951	524648.395	538877.183	374013.027	400946.502	504699.16	435279.708	369584.801	215027.472
486014.384	835785.625	704848.64	594800.21	611251.624	416886.31	455915.295	596681.43	498088.155	420230.023	236879.425
2.545891	2.675361	2.673675	2.630136	2.63104	2.656095	2.625944	2.649947	2.626715	2.63681	2.390061
675936.965	1013678.04	855853.913	788639.812	809408.086	575478.996	598933.063	745098.481	648270.619	554371.778	279001.374
14.417818	6721.32419	3909.34126	387.506699	278.046366	717.547383	746.217377	6302.55135	2333.44746	1577.66399	352.833496
136471.56	138794.664	123759.192	132934.177	141125.099	128158.931	129951.733	149812.017	132726.803	128194.285	96529.488
348.141734	354.06802	351.588613	354.491138	352.812747	326.936048	353.129709	353.330228	352.996816	320.485712	246.248693
143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2
367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
90.731034	198.044357	218.090572	165.458305	152.297333	124.060513	148.712107	206.821951	162.413189	144.146185	65.58847
29.339893	30.115076	30.214059	30.021834	30.109575	31.171263	30.83736	30.814294	30.61431	30.834726	27.314737
1251764.57	1979655.41	1671531	1481079.38	1517085.87	1089349.18	1139320.09	1441484.36	1233896.81	1055824.6	566629.694
1088696.37	2680143.08	2103087.11	1554406.86	1502982.72	817313.999	916021.187	1335859.55	1077751.67	850524.038	504005.228
99556.3937	100325.585	86402.8508	80956.0188	76780.3978	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
-163068.2	700487.672	431556.102	73327.4819	-14103.151	-272035.18	-223298.9	-105624.8	-156145.14	-205300.57	-62624.466
1630764.92	3644701.66	2835322.96	2213571.55	2231102.59	1310351.16	1345844.87	1788577.95	1473101.41	1272618.4	1005514.99
1293.27	1869.97	1721.22	1629.52	1567.39	1234.02	1509.83	2003.52	1628.12	1376.85	1110.65
26965.6627	243202.533	233875.503	237071.523	381680.041	126950.11	93663.3265	46916.3407	46691.4726	102451.42	1261.3295
19.319378	28.380631	26.229693	22.008236	20.963356	17.361228	17.962563	19.478859	19.157948	17.316727	18.795186
719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387

353.64	227.22	201.53	237.77	225.05	319.23	307	392.21	338.41	337.87	386.36
194.540515	173.231761	170.417841	142.200631	117.187535	144.93432	162.810691	214.145826	193.251024	171.281973	164.270094
11.052243	5.534802	6.257553	5.210334	3.777435	5.070965	5.133106	8.510389	7.895815	5.959402	10.917357
35,630.12	16,992.28	16,370.07	15,403.32	10,490.69	19,663.44	19,244.44	40,347.75	32,367.14	24,521.55	33,835.32
29478.2739	318030.452	305361.746	290316.512	449250.016	142311.655	108793.8	55314.4762	53407.4635	117055.324	1363.32274
2.462758	8.227147	8.968492	8.665572	10.055344	5.261212	5.817905	5.236581	4.581825	5.544337	0.842462
883.70	6,622.34	6,463.37	7,205.30	11,810.34	3,930.13	2,682.83	1,011.87	1,196.61	3,036.60	39.69
23.290938	37.377209	35.67398	28.568319	26.29834	21.412313	24.362116	32.068376	27.997221	22.59264	22.864933
23.272835	37.311722	35.650827	28.439465	25.860216	21.208591	24.171173	32.042512	27.969705	22.425201	22.855115
-34691.005	-9101.9565	-9906.6997	-8198.0201	1319.65451	-15733.304	-16561.609	-39335.875	-31170.526	-21484.954	-33795.627
-88.497462	-23.219276	-28.144033	-21.861386	3.299136	-40.135978	-45.004372	-92.77329	-82.900334	-53.712384	-86.213334
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-65.945217	-69.619895	-70.060291	-75.836346	-82.265852	-80.950848	-78.800935	-67.643552	-70.0787	-78.965637	-76.835462
-6562631	-6983389.3	-6051584.8	-6137086.7	-6314729.2	-5968499.9	-5750625.1	-7069813.3	-6146884.9	-5984540.5	-5823317
63926.2729	83333.3015	70032.7773	65552.7006	66289.7116	54069.6388	53774.3039	64251.7629	55407.4576	51303.9561	41974.1358
2158398.24	2785354.51	2317274.36	2258416.48	2336756.73	1940357.12	1911588.8	2229832.23	1928805.55	1826855.49	1508177.86
6324885.11	6637602.88	5759234.43	5866089.98	6036432.67	5774892.64	5543874.86	6812917.68	5922786.67	5794336.37	5711139.14
7015402.09	6725190.8	5809670.21	5865302.3	5772976.02	5957513.23	5782194.16	7552076.71	6500306.8	6076330.35	6402827.2
0.01461				0.000454	0.049628			0.000241	0.038181	0.090909
751092.255	787530.851	674153.249	627146.807	595011.619	529822.495	563497.084	811948.932	679569.306	554975.242	507004.091
4.45	4.97	4.16	3.64	3.64	5.07	3.56	4.16	3.35	4.58	2.99
42195.0995	40103.8948	36833.6442	37793.5615	34901.1014	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672
8193395.88	10628090.9	8886907.72	8350658.3	8545831.76	7278851.06	7096470	8858391.26	7619986.28	7257158.88	6828831.97
4796420.76	7163353.07	5775714.54	5027338.31	5010384.97	3814113.2	3843858.95	5110817.66	4296666.29	3721712.09	3364094.11
1161951.35	1849463.66	1560702.55	1383440.02	1420659.71	992365.307	1054848.36	1341779.91	1146358.77	974601.801	515880.799
64865.3882	91223.628	76496.1511	72757.9987	78100.0523	57999.7714	56457.1318	65263.6353	56604.0709	54340.5533	42013.829
42195.0995	40103.8948	36833.6442	37793.5615	34901.1014	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672
4796420.76	7163353.07	5775714.54	5027338.31	5010384.97	3814113.2	3843858.95	5110817.66	4296666.29	3721712.09	3364094.11
47618.1231	90087.8504	73994.8062	59845.7983	61525.0601	43797.58	45177.4972	59668.4017	49751.2079	41023.0278	15449.3275
978122.008	1140437.82	916116.021	1052119.24	1236103.29	1031114.07	905185.878	875049.659	779352.548	913575.994	978087.978
23622.1422	26523.972	22096.8511	24523.7047	28749.6223	24546.7394	20734.7018	19829.8013	17525.3529	21146.4033	22550.561
542068.546	964558.585	732235.854	659164.686	728119.867	493037.165	429823.685	452718.396	395349.734	422094.36	501509.759
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978122.008	1140437.82	916116.021	1052119.24	1236103.29	1031114.07	905185.878	875049.659	779352.548	913575.994	978087.978

2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08	2024-09
3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.82	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98
-3394028.9	-3747725.7	-3524351.4	-3236649.3	-3668202.5	-3308574.8	-3524351.4	-3596277	-3524351.4	-3524351.4	-3596277
-3394028.9	-3747725.7	-3524351.4	-3236649.3	-3668202.5	-3308574.8	-3524351.4	-3596277	-3524351.4	-3524351.4	-3596277
3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.82	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98
3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.82	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98
3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.82	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98

23.614457	24.654613	38.350123	34.970091	28.430153	26.840098	21.230071	22.170231	24.540069	24.04015	21.160143
21.962803	21.962944	22.401959	22.40202	22.402302	22.40202	22.40208	22.40206	22.402181	22.402121	22.402161
23.490771	24.530863	38.228198	34.848179	28.308216	26.718183	21.108167	22.048262	24.418166	23.918214	21.03821
23.585914	24.626055	38.321986	34.941958	28.402014	26.811964	21.20194	22.142084	24.511938	24.012011	21.132005
22.872342	23.912118	37.618572	34.238617	27.698529	26.108607	20.498646	21.438416	23.808649	23.308534	20.428543
23.148257	24.188174	37.890559	34.510576	27.970543	26.380572	20.770586	21.710501	24.080588	23.580545	20.700548
23.566885	24.607017	38.303229	34.923202	28.383254	26.793208	21.183185	22.12332	24.493183	23.993251	21.113246
23.604942	24.645093	38.340744	34.960714	28.420773	26.83072	21.220694	22.160849	24.530692	24.03077	21.150764

20.236722	20.236722	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456
1.09	1.09	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
23.31	24.35	38.05	34.67	28.13	26.54	20.93	21.87	24.24	23.74	20.86
5.042785	5.632585	5.784182	5.808088	5.205925	4.722362	4.449998	4.470898	4.498012	4.489764	4.479414
19.627156	20.369682	29.586751	27.335408	22.925264	21.824933	18.062235	18.690673	20.272911	19.938901	18.018041
19.627156	20.369682	29.586751	27.335408	22.925264	21.824933	18.062235	18.690673	20.272911	19.938901	18.018041
0.024088	0.029221	0.020102	0.022277	0.028676	0.03788	0.033163	0.029325	0.026147	0.027831	0.031
8431.875	9261.225	8642.7	7919.55	8916.75	7966.35	8527.5	8736.075	8589.375	8574.525	8721
21.900974	21.842511	22.047704	21.99875	21.908476	21.64769	21.753826	21.840187	21.91167	21.873788	21.8025
8640	9540	8820	8100	9180	8280	8820	9000	8820	8820	9000
22.441558	22.5	22.5	22.5	22.555282	22.5	22.5	22.5	22.5	22.5	22.5

		12.62	8.44	6.54		5.6	3.62	4.56	9.6	7.5

0.034609	0.028396	0.023954	0.028666	0.033921	0.035489	0.032525	0.03135	0.03454	0.029158	0.025225
289.54006	16.38906	22748.0153	17022.7703	5255.42524	5643.29966	2758.8251	4272.08164	7462.48532	4561.6217	4375.87902
1421.52398	94.498551	103061.753	76387.8459	25297.6677	27379.1094	12212.1889	20455.4586	35599.0344	21773.343	19368.6041
0.941126	0.118643	3.65222	3.6674	3.337731	3.131722	1.316617	2.189279	3.148102	2.099232	1.983467
92.858389	11.71356	6006.36265	3795.41278	871.567227	408.355555	580.586746	1111.26493	4921.71651	2816.43698	996.783599
21501.18	23893.68	22191.38	20281.44	22861.28	20586.52	21996.5	22472.68	21950.68	22073.06	22614.78
55.84722	56.353018	56.610663	56.337333	56.170221	55.94163	56.11352	56.1817	55.996632	56.308826	56.53695
22272	24592	22736	20880	23664	21344	22736	23200	22736	22736	23200
57.84935	58	58	58	58.142506	58	58	58	58	58	58
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
10.537457	1.278299	41.273826	41.306977	37.724683	35.23311	15.003309	24.677276	35.384732	23.502128	22.369824
10.537457	1.278299	41.273826	41.306977	37.724683	35.23311	15.003309	24.677276	35.384732	23.502128	22.369824
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1732.28392	113.887089	144049.201	112321.387	33855.3808	37072.2141	16746.8864	29803.5337	53070.7141	31451.0916	28153.2385
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.04315	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
1732.28392	113.887089	144049.201	112321.387	33855.3808	37072.2141	16746.8864	29803.5337	53070.7141	31451.0916	28153.2385
126.59	122.95	249.24	233.57	204.76	177.23	134.44	159.78	235.35	195.91	136.06
1134.90958	34.058042	90024.5234	70661.724	25251.6485	30091.724	11563.0405	18017.2879	14301.0649	9692.90233	17884.4524
1165.38926	34.584803	104963.013	86480.9726	28419.961	34359.0161	13272.8014	22020.357	17697.1872	11476.705	21789.7276
7.506004	0.49639	36.676686	39.800995	37.389382	36.284635	14.256706	22.210335	18.410406	15.73674	21.451748
20.881374	0.49639	1777.43419	1404.32716	465.427116	555.78555	231.260043	335.578798	269.749316	185.283439	358.753096
55.943733	65.953027	53.825837	54.421682	55.112638	54.766681	50.441327	53.552829	53.746519	53.59454	52.673977
5.560212	1.31906	40.83113	40.18257	26.853845	15.817115	11.583843	18.670509	36.449542	23.564821	15.259173
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
0.079844	0.004103	6.16102	5.020222	1.370909	1.628097	0.747193	1.1339	2.021122	1.235459	1.16145
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.04315	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.04315	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
9.858625	1.243609	637.68581	402.952837	92.532883	43.354449	61.639956	117.981201	522.530683	299.01656	105.826903
550.628403	74.430109	33232.5594	20803.8479	4771.80875	2316.44691	3093.93333	6221.87016	27923.6805	16077.5037	5358.21514
0.39	0.01	26.42	17.57	7.3	8.48	3.74	4.63	5.82	3.98	4.65
-46.745938	-5.398937	-20792.119	-20855.815	-3831.9236	-4664.0431	-2089.9125	-5564.3756	-10845.969	-5680.6855	-4910.571
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0.14	0.02	3.24	2.16	0.48	0.21	0.31	0.52	3.09	1.96	0.8
122.2539	8.0901	11085.8226	7884.5311	2234.8817	2093.9855	1022.0321	1919.1821	3930.5635	2271.6403	1751.9596
0.04		0.91	0.6	0.35	0.27	0.1	0.15	0.3	0.06	0.15

16.8644		391.3455	258.03	150.5175	116.1135	43.005	64.5075	129.015	25.803	64.5075
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1421.52398	94.498551	103061.753	76387.8459	25297.6677	27379.1094	12212.1889	20455.4586	35599.0344	21773.343	19368.6041
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
16.8644		391.3455	258.03	150.5175	116.1135	43.005	64.5075	129.015	25.803	64.5075
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
247.1496	13.9896	19803.984	14819.696	4575.272	4912.948	2401.78	3719.192	6496.696	3971.26	3809.556
		0.24	0.35	0.27						
11.168351	11.126074	10.803736	10.848853	10.980241	11.031397	11.233674	11.245319	11.168512	11.192037	11.238131
0.513589	0.548732	0.78442	0.738807	0.622667	0.590841	0.501539	0.495657	0.520182	0.51372	0.498471
0.405609	0.533366	0.761615	0.712031	0.600524	0.568118	0.484198	0.478812	0.501949	0.496127	0.480979
490200.359	792228.584	941452.14	791251.183	686917.262	456062.71	600947.604	640304.978	720979.502	701525.439	611790.892
2192.08105	3020.37895	3601.07148	3167.65847	3096.24542	2352.99605	3140.65561	3134.34606	2866.98405	2927.42352	3185.05109
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
0.034505	0.028231	0.030204	0.036388	0.037303	0.039211	0.03602	0.03515	0.036045	0.034362	0.036025
192582.63	278463.825	355329.094	306565.968	297461.051	255087.741	235848.011	238414.402	243450.038	241057.451	239287.438
210356.645	303930.467	394213.747	339963.807	331107.152	284522.218	260987.855	266098.057	271212.332	269151.282	264251.505
2.7866	2.7866	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663
326735.69	472441.725	624064.488	538421.809	522430.844	448010.599	414219.861	418727.214	427571.302	423369.201	420260.527
33609.69	45735.33	42197.76	38505.9	43598.58	39246.27	41944.68	42839.34	41943.57	42016.83	42800.49
87.297896	107.866344	107.647346	106.960833	107.121818	106.647472	107.001734	107.09835	106.998903	107.18579	107.001225
42624	47064	43512	39960	45288	40848	43512	44400	43512	43512	44400
110.711688	111	111	111	111.272727	111	111	111	111	111	111
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
33.476332	32.843993	32.817631	32.923842	33.40305	33.568809	34.197816	34.202711	33.999542	34.000742	34.225598
32.6603	32.544703	32.547946	32.677178	33.050758	33.194304	33.783345	33.80451	33.585834	33.651003	33.796683
576965.591	821776.032	1077851.68	929476.345	904965.336	777324.27	716455.246	726208.495	741500.213	733841.897	726627.619
467506.744	694946.101	1432578.74	1140443.65	901932.481	728081.865	526278.799	556915.989	636227.293	601801.766	536681.904
-109458.85	-126829.93	354727.06	210967.304	-3032.8552	-49242.405	-190176.45	-169292.51	-105272.92	-132040.13	-189945.71
467506.744	694946.101	1432578.74	1140443.65	901932.481	728081.865	526278.799	556915.989	636227.293	601801.766	536681.904
302.79	412.03	380.16	346.9	392.78	353.57	377.88	385.94	377.87	378.53	385.59
73516.5919	22801.2085	129186.369	132089.822	209591.254	313136.38	107548.282	78109.9775	12312.6207	25103.2881	106462.817
83301.1067	24736.2897	186744.414	185676.105	257893.405	375283.954	123442.041	91234.6772	14334.6761	27474.8173	122157.549

36.173832	18.399951	26.216959	28.119614	43.120171	57.250385	38.258274	32.132512	16.535279	21.545008	36.434169
2360.6604	734.615649	4060.21475	4158.30585	6549.56047	9718.71731	3378.47291	2403.33238	380.177348	773.729583	3344.59666
22.982861	24.345063	31.521321	28.72495	25.479215	24.444027	20.402986	21.099868	22.786779	22.896453	20.365602
22.841531	24.319644	31.496119	28.673925	25.250367	23.545493	20.09273	20.733758	22.772923	22.855855	19.825606
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
44.905745	59.203627	84.539321	79.035494	66.821945	63.061146	53.746076	53.148235	55.716367	55.070142	53.38873
-210121.79	-272382.97	168996.542	50725.2727	-158515.75	-182576.77	-313454.2	-293911.71	-232524.26	-258040.86	-315021.26
-210121.79	-272382.97	168996.542	50725.2727	-158515.75	-182576.77	-313454.2	-293911.71	-232524.26	-258040.86	-315021.26
14928.0516	24367.7224	29079.1992	24294.4722	20646.9715	13487.7847	17689.9891	18855.9616	21460.6387	20813.7664	18010.8953
490200.359	792228.584	941452.14	791251.183	686917.262	456062.71	600947.604	640304.978	720979.502	701525.439	611790.892
17.3	7.16	81.1	69.31	53.8	43.38	13.87	15.2	4.73	6.65	13.52
109458.848	126829.931	-354727.06	-210967.3	3032.85515	49242.4048	190176.447	169292.506	105272.92	132040.131	189945.715
26157.7409	102093.641	-541471.47	-396643.41	-254860.55	-326041.55	66734.4067	78057.8289	90938.2442	104565.314	67788.1657
227.6	368.23	213.15	193.88	237.46	190	297.92	311.3	335.85	329.91	298.82
0.184895										
64248.4082	105223.508	96396.885	84020.7821	83818.0199	65933.6215	70068.0154	76748.3126	91111.0986	87563.9669	71836.6954
1.63	0.83	0.87	0.74	1.02	0.98	0.96	0.94	0.99	0.87	1.01
13248.64	6746.24	7213.17	6135.34	8456.82	8125.18	7959.36	7793.54	8208.09	7213.17	8373.91
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.632	839733.002	850827.703	868751.548	859842.627	851703.163
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.632	839733.002	850827.703	868751.548	859842.627	851703.163
537092.335	776372.192	1018278.24	878385.616	853537.996	732532.817	675207.716	684825.271	698783.634	692520.483	684512.032
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
13248.64	6746.24	7213.17	6135.34	8456.82	8125.18	7959.36	7793.54	8208.09	7213.17	8373.91
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.632	839733.002	850827.703	868751.548	859842.627	851703.163
26624.6165	38657.6005	52360.2741	44955.3892	42970.5206	36666.2732	33288.17	33589.6845	34508.4893	34108.2437	33741.6774
42.51	27.18	34.75	43.81	79.94	98.08	49.46	40.85	12.09	22.82	53.98

0.028125	0.026297	0.038647	0.030638	0.026421	0.029456	0.027091	0.035325	0.031913	0.030739	0.0292

1119.6	1238.55	1130.55	1046.91	1191.66	1071.48	1144.14	1157.61	1138.47	1139.85	1164.96
2.908051	2.921108	2.884056	2.908083	2.927911	2.91163	2.918724	2.894025	2.90426	2.90778	2.9124
1152	1272	1176	1080	1224	1104	1176	1200	1176	1176	1200
2.992207	3	3	3	3.007371	3	3	3	3	3	3

11.562837	11.479646	11.287893	11.337317	11.435011	11.481398	11.792356	11.775812	11.628439	11.613428	11.80784
0.666325	0.696072	0.841524	0.810217	0.740053	0.715213	0.576438	0.595839	0.639784	0.649569	0.584154
0.632566	0.565298	0.810037	0.77479	0.706046	0.680837	0.359683	0.568989	0.614485	0.61585	0.465941
267905.917	261811.987	346893.872	305842.584	319313.058	279187.926	160166.714	260255.339	272883.567	272563.474	211920.505
1217.27241	993.151824	1333.58241	1232.13897	1453.97909	1450.17285	837.021357	1273.37964	1086.69738	1145.24165	1131.7106
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
0.048359	0.044787	0.037168	0.046138	0.047328	0.046494	0.046352	0.0461	0.040586	0.05102	0.055725
120286.972	117742.602	152864.445	134708.965	140706.861	122913.208	70795.4665	114538.423	120157.977	120053.108	93712.869
131267.915	127981.694	169586.321	149633.308	156293.714	136832.134	78319.5206	127859.538	133898.361	133666.567	103589.906
2.1391	2.1391	2.1779	2.177899	2.1779	2.1779	2.177899	2.1779	2.1779	2.1779	2.1779
126193.063	123523.763	163243.941	143855.704	150260.857	131259.015	75602.4787	122315.582	128316.704	128204.714	100075.973
15672.21	14805.76	16229.49	14765.77	16713.67	15048.28	10506.19	16407.08	16171.87	15956.87	13698.94
40.707038	34.919245	41.40176	41.016027	41.065528	40.892065	26.801505	41.0177	41.25477	40.706301	34.24735
16512	18232	16856	15480	17544	15824	16856	17200	16856	16856	17200
42.888311	43	43	43	43.105651	43	43	43	43	43	43
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
26.265807	26.426384	25.93387	26.15874	26.419029	26.492329	28.08398	27.279554	26.760594	26.815189	28.020966
25.737068	25.562767	25.616788	25.722054	25.935312	26.032735	26.715243	26.665348	26.348281	26.315909	26.754799
273052.028	270375.437	350994.672	310394.472	324767.122	283698.806	167548.154	265791.419	276820.335	277238.386	221270.329
269488.348	273833.122	561838.144	456720.573	386219.708	321791.677	147865.091	249722.375	289300.168	277325.342	194586.522
-3563.6799	3457.68421	210843.472	146326.1	61452.5866	38092.8711	-19683.063	-16069.044	12479.8329	86.955784	-26683.807
269488.348	273833.122	561838.144	456720.573	386219.708	321791.677	147865.091	249722.375	289300.168	277325.342	194586.522
364.47	344.32	377.43	343.39	388.69	349.96	244.33	381.56	376.09	370.88	318.58

23.345	25.273229	38.027029	34.167715	25.541276	24.846675	17.246123	20.523359	24.542732	23.595402	21.80496
12.83975	6.065575	8.365946	9.225283	8.173208	6.460135	3.449224	5.336073	6.871964	7.07862	5.23319
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
27.129714	24.307853	34.831607	33.316	30.434594	29.276005	15.466403	24.46655	26.422882	26.481556	20.0355
-66437.68	-58086.374	130941.226	75913.7239	-12094.89	-26153.863	-56687.854	-75938.278	-50326.742	-62664.804	-75667.524
-66437.68	-58086.374	130941.226	75913.7239	-12094.89	-26153.863	-56687.854	-75938.278	-50326.742	-62664.804	-75667.524

10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
267905.917	261811.987	346893.872	305842.584	319313.058	279187.926	160166.714	260255.339	272883.567	272563.474	211920.505
3563.67992	-3457.6842	-210843.47	-146326.1	-61452.587	-38092.871	19683.0633	16069.0441	-12479.833	-86.955784	26683.807
3563.67992	-3457.6842	-210843.47	-146326.1	-61452.587	-38092.871	19683.0633	16069.0441	-12479.833	-86.955784	26683.807
11.33	1.77	2.65	3.19	3.9	3.73	2.14	2.81	2.54	4.14	2.74
0.002604	0.148584				0.002717	0.344387			0.002551	0.1575
76800.7235	85535.2819	95397.5491	82350.1123	82239.4247	64878.323	42608.1857	74762.2378	90799.5659	85069.6801	55991.366
1.28	2.13	1	1.11	1.33	1.1	1.8	1.35	0.96	1.14	2.28
5146.11072	8563.44987	4100.8	4551.888	5454.064	4510.88	7381.44	5536.08	3936.768	4674.912	9349.824
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
257460.977	251505.457	332830.262	293489.012	306554.571	268091.149	153921.999	250175.12	262215.064	261871.281	203665.879
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
5146.11072	8563.44987	4100.8	4551.888	5454.064	4510.88	7381.44	5536.08	3936.768	4674.912	9349.824
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
10444.94	10306.53	14063.6097	12353.5728	12758.4864	11096.7771	6244.7149	10080.2186	10668.5031	10692.1931	8254.626

0.03901	0.018915	0.023673	0.029722	0.040588	0.026739	0.022678	0.039175	0.042219	0.020408	0.026325

1107.06	1247.94	1148.16	1047.9	1174.32	1074.48	1149.33	1152.99	1126.35	1152	1168.41
2.87548	2.943254	2.928979	2.910833	2.885307	2.919782	2.931964	2.882475	2.873341	2.938775	2.921025
1152	1272	1176	1080	1224	1104	1176	1200	1176	1176	1200
2.992207	3	3	3	3.007371	3	3	3	3	3	3

8.987813	9.72858	4.48571	4.342436	1.823402	3.658702	6.635711	2.680037	3.522912
0.025648	0.026756	0.003068	0.003745	0.002234	0.005879	0.011347	0.005188	0.005651
0.024969	0.026055	0.002995	0.003695	0.002178	0.005765	0.01102	0.005045	0.005425
1800.90104	1847.13106	171.738249	112.837364	68.021221	614.017275	4021.84682	1752.66258	424.62885
6.588566	7.098245	0.70348	0.513684	0.348438	2.11714	13.238237	6.223185	1.637936

		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
0.027539	0.030943	0.02764	0.034041	0.032169	0.031209	0.026339	0.029087	0.026415	0.032971	0.033137
		6891.8	6653	857.5	953.2	599.9	1628.9	3072	1404.1	1537.3
		26716.8203	26829.3659	3623.43883	4605.54892	2634.26712	7959.54444	14706.6254	6660.64127	6708.7814
		2.592381	2.88214	1.346573	1.486263	0.579493	1.228737	2.187498	0.915382	1.117186
		446.961524	473.183409	43.543567	23.161207	16.8	127.242859	823.368854	366.15441	94.154863
18781.5	20487.3	18993	17376.9	19672.5	17790.2	19133.7	19495.2	19065.6	18930.2	19274.4
48.783116	48.319103	48.45153	48.269166	48.33538	48.342934	48.810459	48.738	48.636734	48.291326	48.186
19200	21200	19600	18000	20400	18400	19600	20000	19600	19600	20000
49.870129	50	50	50	50.12285	50	50	50	50	50	50
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		45.109493	59.186861	22.104445	22.790243	10.357613	25.9006	50.63687	21.825227	24.333085
		36.780938	41.029297	19.044945	21.074944	8.129419	17.369803	31.023119	12.939153	15.99076
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		30444.4728	32232.36	3965.87683	4999.08871	2874.54298	9128.54392	17785.612	7914.08962	7778.50291
		3515.6725	5230.13405	308.782001	369.616791	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		30444.4728	32232.36	3965.87683	4999.08871	2874.54298	9128.54392	17785.612	7914.08962	7778.50291
123.65	83.75	286.45	288.48	199.32	167.9	195.51	225.18	362.75	256.58	193.96
		25127.8993	25155.0949	3485.35658	4516.63455	2567.0649	7374.35516	10744.6376	4933.9877	6337.83955
		28360.5414	29996.5192	3784.72795	4871.86042	2803.91524	8431.68784	12832.8782	5865.88365	7317.50337
		12.750257	14.556105	6.256756	6.221753	2.55	5.320569	8.900177	3.764628	5.215715
		457.528212	435.267758	57.989745	66.345628	41.5	106.211224	157.615948	72.926824	101.774652
		59.232862	59.091837	55.71782	67.750188	59.269046	66.722435	69.573536	69.563256	64.598181
		14.201085	15.346083	5.014603	2.710007	0.59269	5.337794	22.263531	9.043223	6.358328
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		1.248469	1.302777	0.150122	0.184782	0.108928	0.28825	0.55102	0.252295	0.27125
		3515.6725	5230.13405	308.782001	369.616791	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		3515.6725	5230.13405	308.782001	369.616791	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		31.871787	33.732241	3.110254	1.654371	1.2	9.088775	58.384051	25.973175	6.725347
		1800.90104	1847.13106	171.738249	112.837364	68.021221	614.017275	4021.84682	1752.66258	424.62885
		6.39	6.62	0.92	1.15	0.59	1.51	2.74	1.21	1.52
		-3515.6725	-5230.134	-308.782	-369.61679	-239.45686	-1140.1715	-3019.1276	-1227.4393	-1016.0345
		-31876.214	-35226.653	-4093.51	-5241.4772	-3043.3721	-9571.8593	-15852.006	-7093.323	-8333.5379
		0.24	0.13	0.04		0.03	0.05	0.28	0.19	0.04
		3535.335	3551.9556	367.4358	360.2033	224.0249	808.2387	1920.5134	803.8348	700.3499

		0.4	0.25	0.07	0.05		0.04	0.06	0.03	0.09
		196.302	138.93	32.837	23.455		23.095	41.139	18.404	46.55
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		26716.8203	26829.3659	3623.43883	4605.54892	2634.26712	7959.54444	14706.6254	6660.64127	6708.7814
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		196.302	138.93	32.837	23.455		23.095	41.139	18.404	46.55
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		15.678	33.93	0.819	0.468	0.819	5.733	18.72	7.605	7.137
			0.04	0.04						
0.030677	0.037759	0.028443	0.030333	0.026446	0.024701	0.035178	0.032675	0.034132	0.029209	0.0213
1488.88	1631.96	1523.4	1396.32	1588.84	1435.64	1512.84	1547.72	1514.48	1522.2	1565.92
3.86722	3.848962	3.886224	3.878666	3.903783	3.901195	3.859285	3.8693	3.863469	3.883163	3.9148
1536	1696	1568	1440	1632	1472	1568	1600	1568	1568	1600
3.98961	4	4	4	4.009828	4	4	4	4	4	4

10.503499	10.457973	10.233689	10.270434	10.34975	10.397646	10.656567	10.65651	10.541377	10.546487	10.661101
0.434204	0.46693	0.700033	0.657368	0.543147	0.515553	0.373004	0.368715	0.406436	0.407563	0.37307
0.412709	0.443323	0.658883	0.625407	0.511568	0.488748	0.265834	0.351122	0.384589	0.381523	0.351558
268515.077	316491.741	438476.337	383509.329	360183.289	302821.19	182736.678	249837.264	266675.068	264332.421	246980.288
1213.5951	1203.15331	1686.23928	1545.69427	1629.60894	1565.11195	951.134169	1197.26289	1042.4031	1093.22627	1278.20502
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
0.051458	0.052334	0.058163	0.0495	0.057279	0.054483	0.066045	0.049925	0.054795	0.066734	0.05965
96914.4069	114235.646	152988.929	133789.672	125545.051	108590.312	64243.2338	86981.8624	92668.2612	91823.5857	86951.9344
105647.397	124419.24	169186.077	148048.079	139676.711	121096.521	71049.4777	97485.7808	103711.076	102865.637	95935.1643
2.7222	2.7222	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819
158183.695	186455.422	261458.08	228646.55	214556.492	185580.843	109791.687	148652.003	158370.058	156926.508	148600.856
21344.464	23546.066	21635.12	20051.748	22539.318	20335.958	16319.514	22269.758	21712.472	21438.224	22041.804

55.440166	55.533174	55.191632	55.6993	55.379159	55.260755	41.631413	55.674394	55.388959	54.689346	55.104509
22502.4	24846.4	22971.2	21096	23908.8	21564.8	22971.2	23440	22971.2	22971.2	23440
58.447792	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
32.23734	32.068038	31.355296	31.873269	32.238718	32.849928	37.894007	34.599982	33.491338	34.044748	34.606963
29.104175	28.984037	29.370693	29.473287	29.697428	29.82807	30.564382	30.551718	30.229835	30.241705	30.579251
293005.935	344578.339	463999.884	408854.616	388683	334294.94	220105.292	277391.088	292532.459	292625.16	278212.949
265066.884	320680.469	667175.915	538465.447	421339.79	350472.991	170349.12	238397.391	282364.053	263668.391	229784.404
-27939.051	-23897.87	203176.031	129610.831	32656.7899	16178.0512	-49756.173	-38993.697	-10168.407	-28956.768	-48428.545
265066.884	320680.469	667175.915	538465.447	421339.79	350472.991	170349.12	238397.391	282364.053	263668.391	229784.404
364.24	401.81	369.2	342.18	384.63	346.81	278.49	380.03	370.52	365.84	376.14
52.366211	0.571053	38.204668	45.968349	410.027136	9336.84658	1279.8807	580.286095		17.029917	1840.80572
59.666283	0.798395	50.948929	63.558915	479.835575	11719.3618	1480.18952	676.907463		18.06597	2121.17344
1.04814	0.017224	1.082604	1.215086	4.084834	9.715909	4.797858	3.426802		0.50641	6.343321
1.772056	0.017224	1.164438	1.431561	13.820046	321.633584	45.154071	19.279701		0.50641	64.558717
22.683082	25.121609	37.296805	33.327102	26.744622	26.66826	22.676429	22.248332	23.022121	24.083203	21.287499
22.682475	20.850936	34.31181	28.317605	24.591069	26.037742	20.152473	18.866395	19.799024	20.469683	19.730807
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
24.121984	25.978778	38.610596	36.648872	30.051562	28.640635	15.577877	20.5758	22.536959	22.35727	20.601315
-78596.211	-83608.842	123208.717	59678.9693	-32965.608	-40582.105	-83336.111	-84459.116	-58606.107	-76952.956	-93878.321
-78596.211	-83608.842	123208.717	59678.9693	-32965.608	-40582.105	-83336.111	-84459.116	-58606.107	-76952.956	-93878.321
9285.19194	11014.9848	15134.1896	13192.1624	12217.166	10218.1204	6061.37393	8211.0403	8834.488	8763.54359	8175.96728
268515.077	316491.741	438476.337	383509.329	360183.289	302821.19	182736.678	249837.264	266675.068	264332.421	246980.288
0.03	0.01	0.09	0.07	0.13	1.01	0.09	0.04		0.01	0.1
27939.0509	23897.87	-203176.03	-129610.83	-32656.79	-16178.051	49756.1728	38993.6967	10168.4066	28956.7682	48428.5451
27879.3846	23897.0716	-203226.98	-129674.39	-33136.625	-27897.413	48275.9833	38316.7892	10168.4066	28938.7023	46307.3717
83.2	18.68	18.25	18.1	22.55	19.45	14.84	21.42	22.47	19.74	20.94
					0.002717	0.242346				
72813.8691	94329.339	87380.1442	76596.5101	76117.0346	61000.6775	46303.6924	70812.233	84139.3953	78955.8186	64690.7762
1.34	1.54	1.37	1.36	1.51	1.19	1.94	1.45	1.39	1.52	1.58
24438.4912	28086.0272	25485.3428	25299.3184	28089.6844	22136.9036	36088.7336	26973.538	25857.3916	28275.7088	29391.8552
343663.095	404289.312	543967.198	478786.478	454305.398	391055.096	253685.231	322856.508	340970.159	340621.348	323662.725
343663.095	404289.312	543967.198	478786.478	454305.398	391055.096	253685.231	322856.508	340970.159	340621.348	323662.725
263831.092	310874.661	430644.157	376694.629	354233.203	306677.365	180841.164	246137.784	262081.134	259792.145	244536.02
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526

24438.4912	28086.0272	25485.3428	25299.3184	28089.6844	22136.9036	36088.7336	26973.538	25857.3916	28275.7088	29391.8552
343663.095	404289.312	543967.198	478786.478	454305.398	391055.096	253685.231	322856.508	340970.159	340621.348	323662.725
4736.35164	5617.65102	7870.38408	6860.66888	6360.11272	5480.67208	3175.39456	4279.7664	4593.93376	4557.306	4285.07352
0.19		0.02	0.05	0.34	1.62	0.53	0.11		0.05	0.45
		6.6	7.35	2.7	2.55	1.2	3	5.85	2.1	2.55
		0.017315	0.021499	0.001514	0.001667	0.001284	0.004408	0.009396	0.004409	0.00441
		0.017117	0.020722	0.001421	0.00163	0.001275	0.004225	0.009107	0.004311	0.0043
		68.893389	266.924791	2.96044			73.541223	665.098011	254.808966	32.967827
		0.257526	1.027324	0.011807			0.259513	2.15191	0.884534	0.128135
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
0.028958	0.026061	0.024387	0.034555	0.031004	0.039565	0.036556	0.020825	0.032372	0.030408	0.024
		1409.1	1566.6	121.8	126	105	354.9	749.7	354.9	361.2
		5291.05081	6232.8229	549.177195	595.483966	451.255074	1743.7962	3596.45025	1684.05129	1569.00325
		1.709574	2.026158	0.78842	0.784109	0.354139	0.952469	1.825136	0.657668	0.756192
		18.361769	69.550768	0.689694			14.824424	131.42385	52.057686	7.586029
5220.32	5781.3	5354.16	4865.84	5534.9	4948.16	5287.38	5483.38	5310.34	5321.12	5465.6
13.559272	13.635141	13.658571	13.516222	13.599262	13.446086	13.488214	13.70845	13.546785	13.574285	13.664
5376	5936	5488	5040	5712	5152	5488	5600	5488	5488	5600
13.963636	14	14	14	14.034398	14	14	14	14	14	14
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
		26.537218	30.845762	12.826306	11.761645	5.312092	14.537038	27.784655	9.86503	11.792882
		26.537218	30.845762	12.826306	11.761645	5.312092	14.537038	27.784655	9.86503	11.792882
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5989.27198	7498.78528	593.631424	638.288261	486.528194	1978.39806	4303.42678	1985.76372	1805.08381
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		5989.27198	7498.78528	593.631424	638.288261	486.528194	1978.39806	4303.42678	1985.76372	1805.08381
62.79	38.63	155.92	164.06	119.69	93.69	122.57	130.49	187.92	149.2	118.77
		5421.65743	6049.89811	567.216754	595.483966	451.255074	1680.75498	2952.35224	1429.24232	1557.03542
		5905.23671	7185.15692	590.491993	638.288261	486.528194	1899.56384	3510.03619	1691.83403	1770.03178
		6.128982	6.791238	2.514891	2.38	1.12	2.659713	4.985472	1.937223	2.362852
		92.715882	99.803282	8.07402	8.4	7	22.671705	41.218409	20.189487	23.574264
		58.759822	61.868731	64.385902			79.094935	74.303001	74.858436	67.387161
		1.762794	6.186873	0.643859			2.372848	11.88848	5.24009	1.347743
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08

		0.239642	0.290111	0.01995	0.022826	0.017857	0.05915	0.1275	0.060357	0.0602
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		1.224117	4.636717	0.045979			0.988294	8.76159	3.470512	0.505735
		68.893389	266.924791	2.96044			73.541223	665.098011	254.808966	32.967827
		5.33	4.33	0.51	0.56	0.43	1.13	1.71	0.91	1.06
		-498.72116	-1181.9624	-23.454229	-42.804294	-35.273119	-224.10186	-685.97653	-301.71243	-215.08057
		-6403.9579	-8367.1193	-613.94622	-681.09256	-521.80131	-2123.6657	-4196.0127	-1993.5465	-1985.1123
		0.02	0.21				0.07	0.27	0.13	0.02
		1791.4782	1917.6697	136.204	126.0496	99.6082	423.9922	1041.4512	460.2075	383.9731
		0.19	0.08	0.02			0.01	0.02		0.02
		199.5	84	21			10.5	21		21
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5291.05081	6232.8229	549.177195	595.483966	451.255074	1743.7962	3596.45025	1684.05129	1569.00325
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
		199.5	84	21			10.5	21		21
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		0.01	0.05							
11.110963	11.04621	10.767125	10.817852	10.930614	10.978147	11.215762	11.244264	11.140293	11.14978	11.219327
0.288778	0.314408	0.466855	0.440273	0.364727	0.348741	0.263114	0.281528	0.303836	0.299305	0.275819
0.262838	0.298268	0.451186	0.423899	0.350131	0.33455	0.233354	0.271511	0.292497	0.28727	0.260197
1027171.98	1370606.74	1761924.7	1503521	1371360.12	1040501.11	947012.951	1157307.01	1293148.76	1256506.31	1076507.5
4625.32713	5216.96235	6749.16354	6033.44018	6200.20951	5379.8396	4944.50469	5630.24896	5106.25423	5230.96215	5618.91306
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
0.034079	0.032171	0.030911	0.034209	0.035755	0.03604	0.035299	0.034365	0.035053	0.035074	0.034065
410073.549	510458.462	692231.384	600306.976	569947.688	493313.761	374350.436	446190.569	467560.462	459254.766	426226.62
448693.48	556425.899	868055.769	747095.228	656547.861	575031.015	425654.564	521602.175	562723.878	535801.522	491422.964
2.582233	2.622264	2.757842	2.755003	2.702912	2.707172	2.740143	2.702893	2.719006	2.698691	2.725379
611112.448	782420.91	1048766.51	910924.063	887248.193	764850.457	599614.027	689694.799	714258.064	708500.423	668937.356
92.858389	11.71356	6471.68595	4338.14696	915.800489	431.516763	597.386746	1253.33222	5876.50922	3234.64908	1098.52449
128276.779	147629.111	139045.72	127258.278	143791.818	129503.338	127521.774	141561.833	138523.207	138124.879	138516.304
333.186438	348.181865	354.708469	353.495216	353.29685	351.911244	325.310647	353.904582	353.375528	352.359385	346.29076
140966.4	155650.4	143903.2	132156	149776.8	135092.8	143903.2	146840	143903.2	143903.2	146840

366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
102.516938	92.616716	203.027336	222.295453	164.716235	162.696065	130.848821	161.197163	208.057733	150.053067	155.349321
29.82903	30.149114	31.106997	31.187518	30.811098	30.995901	32.075218	31.669591	31.606644	31.360309	31.888744
1144709.09	1436838.3	2048522.67	1773510.05	1652666.19	1432951.14	1121852.01	1303372.83	1371461.69	1337846.55	1257706.04
1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.13	864600.967	1085946.23	1283051.27	1184146.44	998789.656
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1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.13	864600.967	1085946.23	1283051.27	1184146.44	998789.656
1344.53	1403.49	1831.02	1727.02	1696.41	1489.16	1358.82	1666.6	1915.06	1726.54	1536.6
74703.8677	22835.8376	249798.654	234002.508	239305.503	357677.069	123409.523	105762.662	40310.6754	41176.4504	134082.95
84526.1623	24771.6729	326024.155	309402.312	291168.422	426872.48	141485.475	124263.193	48374.7776	46527.3059	155155.985
11.181994	4.728391	13.657963	15.005592	14.231827	16.867776	9.07612	10.152929	8.247359	6.750662	11.00336
2383.31383	735.129264	6389.05747	6099.13561	7094.8714	10670.8821	3703.38703	2887.07381	848.761022	1052.63575	3893.25739
23.688552	24.842707	39.067744	37.464414	30.762007	28.22205	23.120212	26.302817	34.058846	29.130403	24.18251
23.622226	24.829582	39.032367	37.414692	30.606862	27.780009	22.963003	26.098699	34.024862	29.107849	23.887777
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
96.237288	109.494363	165.630658	155.613477	128.849085	122.813494	85.664336	99.671885	107.375852	105.457081	95.518445
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34668.0422	45690.4807	58538.1605	49921.7164	45346.7066	34524.4839	29877.033	36981.6802	41242.573	40286.5403	34314.1206
1027171.98	1370606.74	1761924.7	1503521	1371360.12	1040501.11	947012.951	1157307.01	1293148.76	1256506.31	1076507.5
17.72	7.18	119.33	97.9	62.66	54.58	18.72	22.51	15	12.76	20.85
140914.832	147264.718	-793553.07	-514172.15	-95240.681	-10104.982	257251.041	217426.598	88410.4211	153700.106	258916.381
56388.6702	122493.045	-1119577.2	-823574.46	-386409.1	-436977.46	115765.566	93163.4046	40035.6435	107172.8	103760.396
322.27	388.7	237.55	217.67	264.43	213.39	315.24	336.17	364.5	356.07	323.36
0.017045	0.013507				0.000494	0.053339			0.000231	0.014318
213985.255	285096.219	295587.214	256321.561	244913.001	194392.86	160325.559	225474.196	272942.588	255125.148	195355.12
4.29	4.5	4.74	4.14	4.3	3.59	4.8	3.94	3.72	3.62	5.13
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07
1059805.93	1338846.81	1916822.28	1658019.29	1543796.05	1339881.47	1025268.59	1211296.97	1276981.94	1244301.94	1160360.32
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07

42053.0577	54595.7711	94113.9299	79023.2569	66665.2107	58157.1383	45110.8784	51674.5945	56286.3421	53336.6078	50098.0699
42.7	27.18	35.02	44.3	80.59	99.7	49.99	40.96	12.09	22.87	54.43
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
2508.06359	3260.41023	1704.51428	1561.75212	1630.90669	959.657614	1872.59696	1963.59848	3131.80337	2974.68888	1812.15369
-84499.835	-110673.2	-102127.93	-89681.683	-89791.528	-71047.277	-74992.531	-81888.539	-97642.582	-93357.284	-76738.349
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
322.87	388.4	235.39	216	263.51	212.03	322.19	335.3	364.37	355.47	323.38
167.105463	200.731459	175.640667	175.479335	148.897036	123.666891	146.670983	171.08048	213.191862	198.341255	168.94088
83.745893	100.806884	68.034566	75.400985	65.323319	45.755169	63.640827	65.653123	103.559183	97.692516	64.474886
27316.2953	39568.1337	18427.8344	17947.8808	17851.5965	10147.7693	20745.8077	22437.8208	37995.6226	35074.5905	21190.6024
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-219.48009	-261.02169	-260.53043	-249.11579	-220.618	-193.06325	-191.30748	-204.72135	-249.08822	-238.15634	-191.84587
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2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2556510.01	3600542.78	4385116.57	3534367.34	2940317.45	2102559.37	1959080.46	2294626.37	3258042.25	3000111.18	2011931.84
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
2508.06359	3260.41023	1704.51428	1561.75212	1630.90669	959.657614	1872.59696	1963.59848	3131.80337	2974.68888	1812.15369
-84499.835	-110673.2	-102127.93	-89681.683	-89791.528	-71047.277	-74992.531	-81888.539	-97642.582	-93357.284	-76738.349
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
322.87	388.4	235.39	216	263.51	212.03	322.19	335.3	364.37	355.47	323.38
167.105463	200.731459	175.640667	175.479335	148.897036	123.666891	146.670983	171.08048	213.191862	198.341255	168.94088
83.745893	100.806884	68.034566	75.400985	65.323319	45.755169	63.640827	65.653123	103.559183	97.692516	64.474886

27316.2953	39568.1337	18427.8344	17947.8808	17851.5965	10147.7693	20745.8077	22437.8208	37995.6226	35074.5905	21190.6024
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-219.48009	-261.02169	-260.53043	-249.11579	-220.618	-193.06325	-191.30748	-204.72135	-249.08822	-238.15634	-191.84587
-2005909.1	-2746987.4	-3935125.9	-3140611.9	-2578138.2	-1914537.9	-1598901.2	-1877626.8	-2470145.1	-2285530.4	-1652677.2
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2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2556510.01	3600542.78	4385116.57	3534367.34	2940317.45	2102559.37	1959080.46	2294626.37	3258042.25	3000111.18	2011931.84
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2

267877.83	300294.246	304036.141	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
1224.6311	1157.99577	1172.81266	1118.73341	1473.1791	1657.99999	1628.73826	1294.75334	817.765834	833.989202	1349.35368
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
174300.344	204388.742	326927.494	256845.761	241832.493	225741.695	173539.181	150716.602	128601.721	123844.853	141465.083
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
19.289896	19.682356	21.895386	20.480211	21.019318	23.002983	21.044028	17.150682	13.593184	13.290137	16.877961
-93577.486	-96658.337	4954.91715	-20374.388	-79830.344	-92545.982	-136632.97	-107229.66	-71750.937	-72041.138	-112379.45
-93577.486	-96658.337	4954.91715	-20374.388	-79830.344	-92545.982	-136632.97	-107229.66	-71750.937	-72041.138	-112379.45
7426.6102	8324.78974	8094.16899	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
267877.83	300294.246	304036.141	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
93577.4856	96658.337	-4954.9172	20374.3885	79830.3438	92545.9817	136632.967	107229.665	71750.9374	72041.1377	112379.454
93577.4856	96658.337	-4954.9172	20374.3885	79830.3438	92545.9817	136632.967	107229.665	71750.9374	72041.1377	112379.454
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449

267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
174300.344	204388.742	326927.494	256845.761	241832.493	225741.695	173539.181	150716.602	128601.721	123844.853	141465.083
-93577.486	-96658.337	4954.91715	-20374.388	-79830.344	-92545.982	-136632.97	-107229.66	-71750.937	-72041.138	-112379.45
267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
263551.077	295469.388	297587.464	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
1204.86611	1139.46552	1147.95106	1095.07198	1442.43418	1621.7029	1594.0233	1269.63497	799.463934	815.706139	1322.05895
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
195859.963	229669.014	367372.64	288564.198	271728.648	253474.594	194960.338	169518.495	144400.914	139063.944	159044.418
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3.505802	1.519475	0.314218	0.722698	0.895781	1.633383	11.143666	1.908005	1.141959	0.916042	3.587933
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
21.676638	22.120429	24.604459	23.009226	23.620043	25.825134	23.638683	19.300863	15.253674	14.919741	18.978782
-67691.114	-66549.112	52052.4624	17202.5901	-43204.948	-57864.963	-108605.74	-83400.017	-51485.553	-52534.18	-89653.544
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8345.50593	9355.88545	9095.52377	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
263551.077	295469.388	297587.464	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
67691.1143	66549.1115	-52052.462	-17202.59	43204.9485	57864.9632	108605.741	83400.017	51485.5535	52534.1803	89653.5439
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1.31	0.94	0.1	0.13	0.32	0.33	8.05	0.36	0.41	0.3	1.36
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
195859.963	229669.014	367372.64	288564.198	271728.648	253474.594	194960.338	169518.495	144400.914	139063.944	159044.418
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263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
662.252781	736.021071	713.084061	704.905415	949.848333	1074.8183	869.020732	1041.11112	835.097946	831.739869	864.420734

2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
65660.2783	90664.5023	138198.683	117789.524	113618.631	105542.043	66426.9738	88800.0836	95121.7496	90246.7449	65737.829
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
7.34565	8.79796	9.224767	9.46664	9.943343	10.916348	8.246491	10.174589	10.195851	9.750839	7.933768
-79222.033	-100440.57	-47054.583	-56801.826	-93706.152	-100259.94	-99180.378	-119697.6	-109632.96	-105571.18	-96840.951
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2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
79222.0327	100440.566	47054.5826	56801.8263	93706.1523	100259.936	99180.3784	119697.603	109632.962	105571.177	96840.9513
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84499.8354	110673.197	102127.928	87000.4128	88287.0834	71047.2772	74992.5314	80299.3845	95891.551	93357.284	76738.349
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
65660.2783	90664.5023	138198.683	117789.524	113618.631	105542.043	66426.9738	88800.0836	95121.7496	90246.7449	65737.829
-79222.033	-100440.57	-47054.583	-56801.826	-93706.152	-100259.94	-99180.378	-119697.6	-109632.96	-105571.18	-96840.951
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
287109.406	293592.011	327105.641	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
1315.28011	1141.2832	1271.83315	838.89652	1520.50346	1724.34209	1433.13659	1448.00792	958.099438	1001.41207	1492.28699
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
90670.2504	95733.3507	175145.098	95387.4388	120910.959	115359.805	74041.9048	80776.8615	70443.7977	71201.9127	75879.5618
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
10.169626	9.478546	11.894656	7.633048	10.756913	11.926795	9.238375	9.54646	7.907255	7.947835	9.293553
-196439.16	-199001.06	-174786.36	-111172.02	-208188.09	-214565.88	-198181.98	-206266.11	-162556.46	-162994.11	-203559
-196439.16	-199001.06	-174786.36	-111172.02	-208188.09	-214565.88	-198181.98	-206266.11	-162556.46	-162994.11	-203559
3915.30624	4003.57192	4356.13138	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
287109.406	293592.011	327105.641	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
196439.156	199001.061	174786.357	111172.017	208188.088	214565.881	198181.98	206266.108	162556.461	162994.107	203558.995

196439.156	199001.061	174786.357	111172.017	208188.088	214565.881	198181.98	206266.108	162556.461	162994.107	203558.995
84444.5027	110673.197	101517.384	89681.6828	89651.2317	71047.2772	74926.2342	81888.5392	96295.3013	93357.284	76480.3892
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
90670.2504	95733.3507	175145.098	95387.4388	120910.959	115359.805	74041.9048	80776.8615	70443.7977	71201.9127	75879.5618
-196439.16	-199001.06	-174786.36	-111172.02	-208188.09	-214565.88	-198181.98	-206266.11	-162556.46	-162994.11	-203559
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557

963420.625	1080460.71	1113982.51	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
4407.0301	4174.76555	4305.68093	3757.60733	5385.96508	6078.86328	5524.91888	5053.50735	3410.42715	3482.84728	5028.12035
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
526490.836	620455.609	1007643.91	758586.921	748090.731	700118.137	508968.397	489812.042	438568.182	424357.455	442126.892
20.622366	18.993447	15.710923	24.08995	22.394537	23.334048	21.025785	31.800096	22.839193	22.901065	23.919555
3.505802	1.519475	0.314218	0.722698	0.895781	1.633383	11.143666	1.908005	1.141959	0.916042	3.587933
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
58.481812	60.079292	67.619269	60.589126	65.339618	71.67126	62.167578	56.172595	46.949965	45.908554	53.084064
-436929.79	-462649.08	-164833.56	-171145.64	-424929.53	-465236.76	-542601.07	-516593.39	-395425.91	-393140.6	-502432.94
-436929.79	-462649.08	-164833.56	-171145.64	-424929.53	-465236.76	-542601.07	-516593.39	-395425.91	-393140.6	-502432.94
22515.4979	25414.5822	25161.9332	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
963420.625	1080460.71	1113982.51	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
436929.789	462649.076	164833.56	171145.641	424929.532	465236.762	542601.066	516593.392	395425.914	393140.601	502432.944
436929.789	462649.076	164833.56	171145.641	424929.532	465236.762	542601.066	516593.392	395425.914	393140.601	502432.944
1.31	0.94	0.1	0.13	0.32	0.33	8.05	0.36	0.41	0.3	1.36
337944.009	442692.787	407901.168	356045.461	357521.371	284189.109	299903.828	325965.002	387472.016	373429.136	306695.436
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
526490.836	620455.609	1007643.91	758586.921	748090.731	700118.137	508968.397	489812.042	438568.182	424357.455	442126.892

-436929.79	-462649.08	-164833.56	-171145.64	-424929.53	-465236.76	-542601.07	-516593.39	-395425.91	-393140.6	-502432.94
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
11.110963	11.04621	10.767125	10.817852	10.930614	10.978147	11.215762	11.244264	11.140293	11.14978	11.219327
0.288778	0.314408	0.466855	0.440273	0.364727	0.348741	0.263114	0.281528	0.303836	0.299305	0.275819
0.262838	0.298268	0.451186	0.423899	0.350131	0.33455	0.233354	0.271511	0.292497	0.28727	0.260197
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2541193.48	3304622.85	3325897.9	2827008.98	2906559.6	2393877.5	2358761.67	2580712.05	2915040.05	2788585.14	2380321.97
11540.4208	12652.1381	12759.3588	11352.7996	13217.0813	12418.3605	12342.0205	12647.3548	11648.4848	11688.4983	12459.1871
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3394028.92	3747725.67	3524351.44	3236649.28	3668202.52	3308574.82	3524351.44	3596276.98	3524351.44	3524351.44	3596276.98
0.034079	0.032171	0.030911	0.034209	0.035755	0.03604	0.035299	0.034365	0.035053	0.035074	0.034065
410073.549	510458.462	692231.384	600306.976	569947.688	493313.761	374350.436	446190.569	467560.462	459254.766	426226.62
448693.48	556425.899	868055.769	747095.228	656547.861	575031.015	425654.564	521602.175	562723.878	535801.522	491422.964
2.582233	2.622264	2.757842	2.755003	2.702912	2.707172	2.740143	2.702893	2.719006	2.698691	2.725379
611112.448	782420.91	1048766.51	910924.063	887248.193	764850.457	599614.027	689694.799	714258.064	708500.423	668937.356
92.858389	11.71356	6471.68595	4338.14696	915.800489	431.516763	597.386746	1253.33222	5876.50922	3234.64908	1098.52449
128276.779	147629.111	139045.72	127258.278	143791.818	129503.338	127521.774	141561.833	138523.207	138124.879	138516.304
333.186438	348.181865	354.708469	353.495216	353.29685	351.911244	325.310647	353.904582	353.375528	352.359385	346.29076
140966.4	155650.4	143903.2	132156	149776.8	135092.8	143903.2	146840	143903.2	143903.2	146840
366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
102.516938	92.616716	203.027336	222.295453	164.716235	162.696065	130.848821	161.197163	208.057733	150.053067	155.349321
29.82903	30.149114	31.106997	31.187518	30.811098	30.995901	32.075218	31.669591	31.606644	31.360309	31.888744
1144709.09	1436838.3	2048522.67	1773510.05	1652666.19	1432951.14	1121852.01	1303372.83	1371461.69	1337846.55	1257706.04
1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.13	864600.967	1085946.23	1283051.27	1184146.44	998789.656
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
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1530285.1	1910029.19	3849719.66	3046269.12	2495997.6	2143174.26	1373569.36	1575758.27	1721619.45	1608503.9	1440916.55
1344.53	1403.49	1831.02	1727.02	1696.41	1489.16	1358.82	1666.6	1915.06	1726.54	1536.6
74703.8677	22835.8376	249798.654	234002.508	239305.503	357677.069	123409.523	105762.662	40310.6754	41176.4504	134082.95
19.627156	20.369682	29.586751	27.335408	22.925264	21.824933	18.062235	18.690673	20.272911	19.938901	18.018041
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64

322.87	388.4	235.39	216	263.51	212.03	322.19	335.3	364.37	355.47	323.38
167.105463	200.731459	175.640667	175.479335	148.897036	123.666891	146.670983	171.08048	213.191862	198.341255	168.94088
9.305099	11.200764	5.669547	6.283415	5.443609	3.81293	5.303402	5.471093	8.629931	8.141043	5.372907
27,316.30	39,568.13	18,427.83	17,947.88	17,851.60	10,147.77	20,745.81	22,437.82	37,995.62	35,074.59	21,190.60
84526.1623	24771.6729	326024.155	309402.312	291168.422	426872.48	141485.475	124263.193	48374.7776	46527.3059	155155.985
4.969775	2.101507	7.967145	8.753262	8.301899	9.839536	5.294403	5.922541	4.810959	3.937886	6.418627
2,383.31	735.13	6,389.06	6,099.14	7,094.87	10,670.88	3,703.39	2,887.07	848.76	1,052.64	3,893.26
23.603768	24.840976	39.061276	37.371894	30.717899	28.096173	22.705103	26.411159	33.975441	29.04052	24.108318
23.539641	24.828084	39.025925	37.322364	30.563679	27.659275	22.574553	26.211273	33.941606	29.018171	23.824406
-24932.981	-38773.967	-10693.956	-11848.745	-10756.725	523.112745	-17042.421	-19550.747	-37146.862	-34021.955	-17297.345
-64.76099	-91.448034	-27.280501	-32.913181	-26.429299	1.421502	-43.475562	-48.876867	-94.762402	-86.790701	-43.243362
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-73.297965	-66.623051	-70.283987	-70.660788	-76.545745	-83.530335	-81.574083	-78.671544	-68.859021	-70.679995	-81.236494
-6191976.8	-7371434.9	-7176357.9	-6334821	-6870682.4	-5932585.7	-6116967.2	-6437877.6	-6716828.4	-6593471.2	-6229812.5
57183.5401	71105.063	83700.0937	71733.802	71939.9315	60899.5079	54246.7237	59450.7184	59646.9594	58282.6935	55547.7466
1990592.61	2451067.46	2875907.21	2433253.56	2544380.38	2205856.01	1998582.41	2163712.44	2127142.86	2074004.37	2021067.33
5977782.67	7104626.85	6830757.8	6034234.69	6576029.6	5678244.47	5923104.75	6207923.73	6478332.83	6356722.55	6010303.5
6443857.38	7933410.57	6954724.33	6118587.8	6647040.4	5439393.49	6141798.53	6500660.15	7217855.24	7024776.02	6214402.16
0.017045	0.013507				0.000494	0.053339			0.000231	0.014318
636429.099	838462.202	805616.31	702048.705	692225.9	549629.246	535221.919	633327.738	758057.186	721911.568	578788.905
4.29	4.5	4.74	4.14	4.3	3.59	4.8	3.94	3.72	3.62	5.13
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
7722261.87	9281464.11	11026077.5	9381090.08	9366679.97	8075759.99	7490536.6	8013635.86	8438447.89	8201975.13	7670729.09
4328232.95	5533738.44	7501726.1	6144440.8	5698477.45	4767185.17	3966185.16	4417358.89	4914096.45	4677623.69	4074452.11
1059805.93	1338846.81	1916822.28	1658019.29	1543796.05	1339881.47	1025268.59	1211296.97	1276981.94	1244301.94	1160360.32
59566.8539	71899.23	91433.9716	77832.9376	79034.8029	71570.3899	57950.1107	62337.7923	60495.7204	59335.3292	59441.004
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
4328232.95	5533738.44	7501726.1	6144440.8	5698477.45	4767185.17	3966185.16	4417358.89	4914096.45	4677623.69	4074452.11
42053.0577	54595.7711	94113.9299	79023.2569	66665.2107	58157.1383	45110.8784	51674.5945	56286.3421	53336.6078	50098.0699
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
526490.836	620455.609	1007643.91	758586.921	748090.731	700118.137	508968.397	489812.042	438568.182	424357.455	442126.892
-436929.79	-462649.08	-164833.56	-171145.64	-424929.53	-465236.76	-542601.07	-516593.39	-395425.91	-393140.6	-502432.94
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836

2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
-3380500.4	-3596277	-3668407.5	-3604713.3	-3236885.4	-3751844.4	-3384016.5	-3751844.4	-3531147.7	-3604713.3	-3751844.4
-3380500.4	-3596277	-3668407.5	-3604713.3	-3236885.4	-3751844.4	-3384016.5	-3751844.4	-3531147.7	-3604713.3	-3751844.4
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42

23.46017	24.690184	25.770198	40.180414	36.640408	29.780433	28.120452	22.240419	23.220467	25.710487	25.180437
22.402161	22.40206	22.402221	22.850142	22.850123	22.850182	22.850142	22.850123	22.850202	22.850083	22.850142
23.338226	24.568234	25.648243	40.05837	36.518367	29.658382	27.998393	22.118374	23.098402	25.588414	25.058384
23.432029	24.662042	25.742055	40.15225	36.612244	29.752267	28.092284	22.212255	23.192298	25.682317	25.152271
22.728505	23.958484	25.038464	39.448154	35.908163	29.048127	27.388099	21.508147	22.488078	24.978048	24.44812
23.000534	24.230526	25.310519	39.720404	36.180408	29.320394	27.660384	21.780402	22.760376	25.250365	24.720392
23.413268	24.64328	25.723292	40.133474	36.593469	29.73349	28.073506	22.193478	23.173519	25.663536	25.133494
23.450789	24.680803	25.760817	40.171026	36.63102	29.771044	28.111063	22.231031	23.211077	25.701097	25.171049

20.641456	20.641456	20.641456	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286
1.11	1.11	1.11	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
23.16	24.39	25.47	39.88	36.34	29.48	27.82	21.94	22.92	25.41	24.88
4.539037	5.26632	5.907071	6.073405	6.102407	5.477119	4.95309	4.660803	4.679986	4.720055	4.703475
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
0.024095	0.03685	0.036519	0.021505	0.033039	0.023039	0.03038	0.031642	0.027473	0.02528	0.030098
8256.15	8668.35	8844.75	8630.325	7658.325	8968.5	8028.45	8889.525	8402.625	8597.025	8903.7
21.957845	21.616832	21.678308	22.016135	21.756605	22.035626	21.81644	21.788051	21.881835	21.931186	21.822794
8460	9000	9180	8820	7920	9180	8280	9180	8640	8820	9180
22.5	22.44389	22.5	22.5	22.5	22.555282	22.5	22.5	22.5	22.5	22.5

			4.14	12.18	5.81		9.16	5.12	9.58	5.86
1.41285	1.41285	0.56514	7.25263	7.252629	6.687489	6.31073	2.35475	4.52112	6.40492	4.42693
0.003207	0.001964	0.000304	0.116402	0.099798	0.02436	0.030759	0.012913	0.021568	0.035402	0.021879
0.003111	0.0019	0.000294	0.114132	0.096448	0.023627	0.029782	0.012598	0.020755	0.03454	0.021446
485.142855	267.944224	115.121959	50280.2758	26377.3314	4291.97338	12760.5591	3511.14603	11325.2985	32676.7189	16636.6514
2.283617	1.07847	0.405042	179.455608	99.209356	17.327907	61.664106	16.712029	42.703121	110.388723	58.510565
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5

0.030478	0.032025	0.025808	0.024438	0.031164	0.030857	0.033532	0.028284	0.032473	0.029132	0.028823
639.17334	415.18952	65.55624	24441.5515	18546.9529	5266.35128	5987.46992	2807.99228	4354.02694	7396.92908	4780.1425
2893.55759	2001.53685	376.539471	120318.46	92419.6445	26609.2958	30864.8911	13061.0248	22440.5997	37631.1463	24529.7361
0.674744	0.705711	0.347291	3.804772	3.872726	3.53451	3.389295	1.18139	2.392436	3.316175	2.331201
89.79695	47.81311	17.877438	8521.73555	4356.90833	746.734492	2110.34294	644.035468	1856.99921	5422.99134	2754.41182
21143.32	22457.02	23053.26	22180.36	19779.74	22933.78	20628.28	22994.68	21548.74	22073.64	22981.92
56.232234	56.002543	56.503088	56.582551	56.192443	56.348353	56.055108	56.359509	56.11651	56.310306	56.328235
21808	23200	23664	22736	20416	23664	21344	23664	22272	22736	23664
58	57.855361	58	58	58	58.142506	58	58	58	58	58
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
7.602749	8.004268	3.763135	42.519348	43.268768	39.612204	37.727883	13.254867	26.650652	37.076956	25.980779
7.602749	8.004268	3.763135	42.519348	43.268768	39.612204	37.727883	13.254867	26.650652	37.076956	25.980779
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
3757.40348	2527.98441	453.174082	165734.181	135391.644	35477.7551	41794.9491	17932.6799	32224.9324	56506.9559	35013.1258
298.792895	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
3757.40348	2527.98441	453.174082	165734.181	135391.644	35477.7551	41794.9491	17932.6799	32224.9324	56506.9559	35013.1258
158.25	128.19	101.9	253.01	218.4	215.11	175.91	125.58	161.91	239.23	190.1
2973.46773	2116.55113	318.489512	92126.1305	82751.7781	27168.2304	23534.6361	12067.0757	15050.215	11597.7398	12193.4976
3232.54007	2245.28947	333.007987	106800.592	102291.853	30636.2116	26931.9227	13819.1319	18621.3263	14467.1988	14931.5764
7.595627	8.131291	2.62866	32.884665	37.408347	36.998901	29.015801	11.440818	18.678006	17.227096	13.659848
58.326402	39.003759	5.061981	1690.18112	1506.53409	479.840406	411.628302	229.743795	265.105396	209.569778	215.06855
51.955642	53.619349	62.833036	56.705319	59.277506	57.362087	57.883076	53.894152	57.595274	56.457899	56.404485
3.636894	3.740709	3.141651	43.594315	42.059189	31.931862	33.547335	11.802311	25.328089	38.352113	25.922014
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
0.180478	0.109925	0.017058	6.619693	5.594034	1.373759	1.727391	0.730686	1.203802	2.003367	1.243872
298.792895	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
298.792895	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
9.533597	5.07624	1.898018	904.738884	462.565913	79.279593	224.051697	68.376204	197.154603	575.750221	292.431449
485.142855	267.944224	115.121959	50280.2758	26377.3314	4291.97338	12760.5591	3511.14603	11325.2985	32676.7189	16636.6514
1.1	0.71	0.11	28.9	19.02	7.51	7.85	3.92	4.12	4.67	4.5
-298.7929	-143.48906	-19.56261	-23327.775	-26262.534	-4017.5514	-5499.7539	-2354.4582	-5849.4189	-12232.497	-6182.9768
-3531.333	-2388.7785	-352.5706	-130128.37	-128554.39	-34653.763	-32431.677	-16173.59	-24470.745	-26699.696	-21114.553
0.01	0.03	0.01	4.91	2.03	0.54	1.37	0.25	1.53	3.79	1.78
245.6084	180.0468	33.9537	12220.5999	8768.056	2286.3895	2256.3554	1063.4715	2022.3935	3953.9061	2433.1374
0.02	0.05		0.84	0.52	0.39	0.25	0.05	0.15	0.16	0.12

8.601	21.5025		368.466	228.098	171.0735	109.6625	21.9325	65.7975	70.184	52.638
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
2893.55759	2001.53685	376.539471	120318.46	92419.6445	26609.2958	30864.8911	13061.0248	22440.5997	37631.1463	24529.7361
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
8.601	21.5025		368.466	228.098	171.0735	109.6625	21.9325	65.7975	70.184	52.638
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
556.452	361.456	57.072	21719.4804	16481.367	4679.8344	5320.6416	2495.2644	3869.1162	6573.1284	4247.775
			0.09	0.26	0.18					
11.193788	11.163267	11.119199	10.824943	10.867675	10.964406	11.009183	11.208079	11.229438	11.144911	11.171093
0.516748	0.527206	0.55244	0.779572	0.732057	0.640525	0.590052	0.511614	0.50025	0.529533	0.520727
0.499782	0.509298	0.534245	0.756312	0.710011	0.61552	0.286186	0.493915	0.483456	0.510767	0.502243
543655.539	664550.066	786451.223	983396.618	804470.269	719973.742	252843.703	714540.49	675721.46	751958.471	759493.157
2782.60927	2953.94802	2957.02079	3681.74855	3139.25701	3189.50469	1254.81834	3639.69281	3216.43907	2932.26974	3082.33859
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
0.033909	0.034725	0.034044	0.031658	0.031392	0.039705	0.037663	0.034901	0.034296	0.036683	0.036568
232878.124	251764.703	267933.144	352997.95	299162.682	304172.388	128113.855	249942.333	230850.989	247240.386	253572.499
260420.391	280985.707	299847.193	406999.191	345114.135	350692.235	148117.833	287229.666	266478.08	285796.277	293416.962
2.8663	2.8663	2.8663	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262
409003.849	442174.348	470570.981	626994.96	531372.755	540270.995	227555.829	443947.571	410037.527	439148.373	450395.472
40320.75	42858.21	43746.21	42134.49	37845.45	43489.8	19807.95	43707.36	41162.13	41915.82	43631.88
107.236037	106.878329	107.221102	107.485943	107.515482	106.854545	53.825951	107.125882	107.193046	106.928112	106.940882
41736	44400	45288	43512	39072	45288	40848	45288	42624	43512	45288
111	110.723192	111	111	111	111.272727	111	111	111	111	111
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
33.985814	33.928309	33.807645	33.568791	33.637957	34.005271	34.919359	34.794282	34.881581	34.617978	34.679827
33.654738	33.570851	33.443043	33.281251	33.404491	33.689807	33.816729	34.407988	34.462692	34.21339	34.288228
708765.378	766184.415	816771.315	1094756.65	926562.677	943622.633	406586.858	775392.752	717556.715	769013.02	788635.212
557050.325	634161.212	705167.482	1499621.46	1175924.05	971410.042	388341.234	585773.096	567543.562	681228.556	666777.414
-151715.05	-132023.2	-111603.83	404864.807	249361.372	27787.4088	-18245.624	-189619.66	-150013.15	-87784.464	-121857.8
557050.325	634161.212	705167.482	1499621.46	1175924.05	971410.042	388341.234	585773.096	567543.562	681228.556	666777.414
363.25	386.11	394.11	379.59	340.95	391.8	178.45	393.76	370.83	377.62	393.08
158725.769	94338.2691	22194.9122	103580.514	116680.569	215869.372	141651.076	52649.9422	33971.1753	8767.66986	20939.7346
173657.541	107032.331	24717.5604	156559.57	170912.141	274147.26	174438.459	61076.0322	39735.6897	9894.64849	23316.7264

48.121128	34.742698	16.966184	22.539066	26.276116	39.687826	55.725605	25.232711	24.53444	15.870483	20.85395
4893.74248	2926.85348	687.582604	3185.57351	3580.6749	6614.00916	4317.51134	1621.9647	1034.31658	266.19427	634.327722
22.925296	23.766476	25.372518	32.808054	29.363412	26.070246	25.27963	21.288042	21.919045	23.853302	23.999539
22.492232	23.631288	25.346469	32.790803	29.332089	25.916988	24.744779	21.240918	21.867578	23.841565	23.974439
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
55.475808	56.391112	59.301254	83.950724	78.811312	68.490673	31.766668	54.824617	53.663671	56.695224	55.749083
-273440.45	-263620.61	-251652.49	220352.778	92989.0384	-131203.5	-85210.736	-320264.51	-270678.97	-217017.01	-254400.14
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15965.1615	19685.9825	23507.3294	29723.1105	24160.9071	21261.6948	7372.62266	20746.4793	19572.5334	21958.3337	22111.2983
543655.539	664550.066	786451.223	983396.618	804470.269	719973.742	252843.703	714540.49	675721.46	751958.471	759493.157
19.26	22.49	9.2	71.51	63.63	61.4	24	12.33	9.18	3.25	5.77
151715.053	132023.203	111603.833	-404864.81	-249361.37	-27787.409	18245.6243	189619.656	150013.153	87784.4642	121857.797
-21942.488	24990.8718	86886.2726	-561424.38	-420273.51	-301934.67	-156192.83	128543.624	110277.464	77889.8157	98541.0708
262.77	297.71	347.53	225.91	198.81	231.14	96.12	329.2	318.41	339.12	346.84
						0.5				
69180.3936	84129.8781	101209.927	98402.1252	84992.4633	85434.4206	33482.6072	75042.5581	75648.9339	92762.7991	93391.508
0.77	0.88	0.98	0.92	0.64	0.92	1.43	0.97	0.93	0.98	0.97
6384.07	7296.08	8125.18	7779.52	5411.84	7779.52	12092.08	8202.32	7864.08	8286.88	8202.32
830490.773	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
830490.773	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
669424.24	723160.054	770418.174	1033994.15	876486.89	890963.23	375673.663	731177.237	676515.607	724944.65	743812.434
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
6384.07	7296.08	8125.18	7779.52	5411.84	7779.52	12092.08	8202.32	7864.08	8286.88	8202.32
830490.773	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
32957.0683	35728.2809	38227.961	52982.9812	44663.947	44879.8834	18821.1157	36013.1948	33177.0285	35781.4901	36620.4579
71.06	53.87	24.96	28.44	36.31	78.29	41.33	35.52	24.57	10.18	20.25

0.024707	0.02795	0.025122	0.034719	0.03088	0.026421	0.028396	0.022181	0.031718	0.036683	0.037328

1100.13	1166.46	1193.25	1135.17	1023.39	1191.66	1072.65	1196.85	1115.46	1132.86	1178.31
2.925877	2.908877	2.924632	2.895841	2.907357	2.927911	2.914809	2.933455	2.904843	2.889948	2.888014
1128	1200	1224	1176	1056	1224	1104	1224	1152	1176	1224
3	2.992518	3	3	3	3.007371	3	3	3	3	3

11.559418	11.538781	11.451872	11.341886	11.366768	11.425989	11.465329		11.677287	11.601817	11.556398
0.662739	0.682301	0.707878	0.826001	0.793789	0.754875	0.722878		0.609202	0.64217	0.667236
0.632863	0.646526	0.59539	0.792736	0.75601	0.722501	0.684277		0.281758	0.615589	0.634224
267928.22	290130.031	270122.618	347740.644	298819.904	333178.309	286425.79		125039.931	278401.114	297393.864
1378.64407	1294.12852	1012.22422	1307.619	1174.21399	1489.23334	1451.37395		555.836457	1088.46993	1213.9766
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
0.046063	0.050825	0.048897	0.040535	0.048125	0.044313	0.051086	0.047279	0.043802	0.042193	0.047303
117910.059	127705.244	118920.376	149851.224	128756.89	143664.631	123348.79		53956.5829	120127.09	128185.824
131473.183	142299.733	132368.653	172754.957	148507.01	165558.791	142567.444		62200.1456	138477.417	148026.288
2.1779	2.1779	2.1779	2.2241	2.2241	2.2241	2.2241		2.224099	2.2241	2.2241
125916.152	136376.43	126995.07	160955.199	138297.775	154310.18	132488.935		57954.7657	129028.508	137684.394
15423.24	16285.39	14742.98	16172.73	14407.58	16766.56	14976.04		7605.41	16144.78	16673.25
41.019255	40.611945	36.134754	41.256964	40.930625	41.195479	40.69576		19.805755	41.185663	40.865808
16168	17200	17544	16856	15136	17544	15824	17544	16512	16856	17544
43	42.892768	43	43	43	43.105651	43	43	43	43	43
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
26.737488	26.606046	26.920078	26.664855	26.879254	26.86783	27.059774		28.622347	27.402971	27.263287
26.19825	26.157218	25.968765	26.269093	26.322402	26.456605	26.539095		27.015278	26.844833	26.741615
272972.423	294804.943	279349.418	352425.406	304424.887	337695.758	291612.49		131565.135	283755.127	302789.706
264354.66	300131.786	291465.524	585997.693	462154.395	417482.898	339454.442		130100.337	302398.221	311447.084
-8617.7631	5326.84236	12116.106	233572.286	157729.508	79787.1399	47841.9511		-1464.7979	18643.0944	8657.37787
264354.66	300131.786	291465.524	585997.693	462154.395	417482.898	339454.442		130100.337	302398.221	311447.084
358.68	378.47	342.86	376.11	335.06	389.92	348.28		176.87	375.46	387.43
0.219381										
0.280458										
0.008799										
0.008799										
20.530344	21.47178	25.639253	35.467612	29.330052	24.686095	26.459009		18.419948	26.237088	21.502212
4.311372	5.367945	6.15342	9.930931	6.745912	8.886994	21.167207		2.947191	7.084013	7.740796
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
27.213138	27.731321	25.601789	34.087678	32.508437	31.143882	29.42394		12.115625	26.470331	27.271666
-70249.351	-61424.689	-50043.574	155245.052	90428.2817	4693.63722	-16632.461		-29667.904	-44147.336	-58345.353
-70249.351	-61424.689	-50043.574	155245.052	90428.2817	4693.63722	-16632.461		-29667.904	-44147.336	-58345.353

10232.1312	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01	4652.4	10376.37	11126.84	
267928.22	290130.031	270122.618	347740.644	298819.904	333178.309	286425.79	125039.931	278401.114	297393.864	
8617.76307	-5326.8424	-12116.106	-233572.29	-157729.51	-79787.14	-47841.951	1464.79788	-18643.094	-8657.3779	
8617.48261	-5326.8424	-12116.106	-233572.29	-157729.51	-79787.14	-47841.951	1464.79788	-18643.094	-8657.3779	
1.95	2.02	3.64	2.93	2.04	4.75	26.67	1.3	3.4	2.95	
	0.0025	0.115196				0.002717	1 0.518229		0.00245	
67017.3663	81664.2011	85548.5798	96858.0704	81848.4378	84380.9763	66121.1454	36663.0709	91300.6234	91218.6778	
1.23	1.14	2.25	1.12	1.34	1.08	1.24	1.56	1.28	1.29	
5043.984	4674.912	9226.8	4684.76176	5604.98282	4517.44884	5186.70052	6525.20388	5354.01344	5395.84167	
334604.011	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
334604.011	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
257389.335	278676.163	259363.722	333710.156	286804.785	319868.971	275056.379	120154.911	267505.925	285710.682	
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01	4652.4	10376.37	11126.84	
5043.984	4674.912	9226.8	4684.76176	5604.98282	4517.44884	5186.70052	6525.20388	5354.01344	5395.84167	
334604.011	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
10539.1042	11453.8678	10758.8959	14030.4885	12015.1185	13309.338	11369.4105	4885.02	10895.1885	11683.182	

0.01726	0.033425	0.027892	0.023239	0.028409	0.021421	0.026576	0.02522	0.035963	0.043469	0.018161

1108.53	1159.89	1189.86	1148.67	1026	1197.78	1074.66	1193.13	1110.57	1124.88	1201.77
2.948218	2.892493	2.916323	2.93028	2.914772	2.942948	2.920271	2.924338	2.892109	2.869591	2.945514
1128	1200	1224	1176	1056	1224	1104	1224	1152	1176	1224
3	2.992518	3	3	3	3.007371	3	3	3	3	3

0.28	0.14		8.849974	9.335628	3.647372	3.365164	1.962953	3.803228	6.222929	3.380291
0.000127	0.000043		0.024461	0.031772	0.002912	0.003916	0.002028	0.005157	0.011821	0.00526
0.000127	0.00004		0.023709	0.030897	0.002803	0.00375	0.002004	0.004901	0.011607	0.005171
			3066.50043	2317.19379	203.298719	418.91984	88.529136	1038.5574	5712.51263	941.63341
			10.85999	8.707348	0.793283	1.976183	0.398465	3.730296	18.75297	3.261353

2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
0.027579	0.028412	0.032867	0.032997	0.030269	0.029227	0.038328	0.025808	0.02927	0.026811	0.033946
33.6	11.2		6545.1	7719.4	804.4	969	574.1	1333.3	3236.3	1497.1
158.672999	47.86041		27082.5705	34348.6152	3674.82753	4932.78308	2654.65211	7078.03542	16896.9541	7850.07311
0.090134	0.042732		2.724018	3.048348	1.160122	1.22451	0.671217	1.374287	2.195066	1.210145
			734.590435	495.596413	42.888072	84.721806	18.973189	193.576153	1066.2249	185.808949
18370.6	19428.3	19764.6	18993.9	17036.2	19825.5	17630.4	19895.4	18673.7	19100	19749.2
48.857978	48.449625	48.442647	48.453826	48.398295	48.711302	47.908695	48.763235	48.629427	48.724489	48.404901
18800	20000	20400	19600	17600	20400	18400	20400	19200	19600	20400
50	49.875311	50	50	50	50.12285	50	50	50	50	50
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
1.261886	0.598255		49.283216	69.206928	19.415099	19.155096	10.893806	29.313197	56.122997	27.091565
1.261886	0.598255		38.677868	43.40458	16.352027	17.336465	9.434854	19.486429	31.144048	17.059939
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
161.306905	49.426086		30861.8128	40987.5369	4098.21912	5416.61627	2914.01162	8206.90544	20305.3175	9145.4459
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
161.306905	49.426086		30861.8128	40987.5369	4098.21912	5416.61627	2914.01162	8206.90544	20305.3175	9145.4459
155.71	89.34	87.71	269.32	284.69	182.95	153.36	186	227.22	350.15	263.44
158.672999	47.86041		24292.757	32219.2924	3487.32381	4538.98824	2571.50797	6064.97802	11218.9485	6916.4797
161.306905	49.426086		27399.1383	38194.9069	3882.57969	4971.79465	2821.36938	7008.76714	13376.213	8071.52336
0.8	0.4		12.657005	14.483549	5.308112	4.511576	2.852963	5.032864	8.10073	4.72707
2.4	0.8		412.357826	508.611232	54.136566	62.948442	39.544772	80.273131	151.97507	92.273794
			61.149604	68.356333	65.684188	70.576088	64.497459	73.224348	75.351894	74.324778
			23.76694	19.139773	2.627367	8.450176	2.579898	10.186408	26.373163	12.635212
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
0.006382	0.001995		1.185459	1.544886	0.14054	0.1875	0.100245	0.245052	0.580357	0.258578
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
			52.342173	35.188767	3.063433	6.051557	1.355227	13.826868	75.524929	13.226205
			3066.50043	2317.19379	203.298719	418.91984	88.529136	1038.5574	5712.51263	941.63341
0.06	0.02		6.09	8.07	0.91	0.99	0.47	1.19	2.72	1.46
-2.633905	-1.565676		-3502.5553	-6451.0507	-407.5966	-458.70819	-253.97451	-1103.37	-3373.8563	-1287.3328
-163.94081	-50.991763		-30901.694	-44645.958	-4290.1763	-5430.5028	-3075.3439	-8112.1372	-16750.069	-9358.8561
			0.37	0.17	0.04	0.05	0.01	0.01	0.54	0.11
12.6195	4.8892		3466.8955	4221.4677	362.1716	376.0678	220.7807	690.7159	2058.4949	872.5771

			0.49	0.23	0.03	0.05	0.01	0.04	0.02	
			260.967	145.391	14.355	23.925	4.785	19.14	13.987	
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
158.672999	47.86041		27082.5705	34348.6152	3674.82753	4932.78308	2654.65211	7078.03542	16896.9541	7850.07311
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
			260.967	145.391	14.355	23.925	4.785	19.14	13.987	
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
			15.72	42.48	1.44	1.2	0.6	6.36	20.52	8.04
				0.01						
0.026117	0.0315	0.040833	0.034642	0.027698	0.025514	0.021521	0.034044	0.037421	0.034387	0.031519
1464.72	1549.6	1565.36	1513.68	1369	1590.36	1440.32	1576.44	1478.52	1514.08	1580.56
3.895531	3.864339	3.836666	3.861428	3.889204	3.907518	3.913913	3.863823	3.850312	3.862448	3.873921
1504	1600	1632	1568	1408	1632	1472	1632	1536	1568	1632
4	3.990024	4	4	4	4.009828	4	4	4	4	4

10.511697	10.509009	10.469237	10.282454	10.306485	10.361669	10.41061	10.634402	10.659006	10.538019	10.54768
0.421453	0.440235	0.471156	0.681963	0.644774	0.556319	0.50379	0.372762	0.36219	0.404576	0.405181
0.398977	0.418645	0.447648	0.650755	0.609778	0.524042	0.473733	0.267512	0.343414	0.383251	0.383195
262932.366	294506.697	319653.702	452464.452	382607.078	383955.347	309086.769	200780.414	244721.271	276760.918	288268.007
1348.01341	1305.21299	1198.26843	1699.65374	1502.63976	1706.17096	1562.25944	1020.01846	1143.06327	1059.21236	1156.16333
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
0.057393	0.05255	0.052867	0.049438	0.059346	0.062156	0.058913	0.070367	0.054166	0.054387	0.057205
91736.1361	102316.175	110882.946	151170.933	127724.078	128352.552	105311.614	67240.4164	81721.4691	92357.1268	96077.4135
102927.926	114592.718	124589.322	174467.472	147769.811	148351.915	121943.684	77321.4562	94652.8285	107080.454	111780.175
2.819	2.819	2.819	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367
156777.057	174858.343	189498.955	270097.106	228204.61	229327.505	188160.26	120138.452	146011.749	165014.478	171661.515
20769.012	22208.228	22644.798	21835.532	19403.046	22422.704	20241.026	17061.976	21283.52	21721.848	22541.076

55.236734	55.382114	55.501955	55.702887	55.122289	55.092638	55.002788	41.818568	55.425833	55.412877	55.247735
22033.6	23440	23908.8	22971.2	20627.2	23908.8	21564.8	23908.8	22502.4	22971.2	23908.8
58.599999	58.453865	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
33.974001	32.856611	33.588527	33.58031	33.556896	34.037254	34.505068	40.195919	36.512001	34.62363	35.171513
30.142654	30.139923	30.026699	30.720832	30.788232	30.953089	31.092279	31.759673	31.823325	31.466723	31.492018
292365.942	317806.899	349975.679	480569.58	405789.641	412971.376	343600.636	243542.318	273980.936	301427.742	316000.153
252495.96	293849.016	328566.561	707167.692	553851.776	458972.949	355615.392	185726.061	233123.492	294602.909	292688.541
-39869.982	-23957.884	-21409.118	226598.112	148062.135	46001.5731	12014.7559	-57816.257	-40857.444	-6824.8326	-23311.612
252495.96	293849.016	328566.561	707167.692	553851.776	458972.949	355615.392	185726.061	233123.492	294602.909	292688.541
354.42	378.98	386.43	372.62	331.11	382.64	345.4	291.16	363.2	370.68	384.66
1343.89145	47.152922		22.897381	33.697067	364.563304	6431.63669	69.324056	38.966048		29.405335
1527.57173	52.352434		29.623898	45.849659	419.475009	8168.9401	65.478814	39.054797		27.830117
5.806983	1.234032		0.582614	0.886467	3.834135	8.743208	1.813666	0.847498		0.480043
45.951856	1.470624		0.676955	0.997909	11.529709	212.820124	2.073666	1.169837		0.854605
23.673437	24.612861	26.218526	40.184046	36.042256	29.630289	26.221795	24.155952	22.447257	24.348253	24.905564
21.731547	20.426436	23.334488	37.364468	30.633704	27.81091	26.205725	19.556169	21.071226	20.452532	21.390224
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
23.380085	24.471456	26.232205	38.134244	35.733034	30.784343	27.760777	15.67624	20.124114	22.458535	22.455245
-87820.46	-77438.548	-79367.634	147581.065	81300.7593	-21088.306	-43031.624	-92962.823	-83573.256	-55099.903	-73531.276
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8744.96014	9811.58338	10702.74	14947.947	12577.0301	12517.6983	10003.1459	6393.83233	7726.49016	8803.746	9160.88539
262932.366	294506.697	319653.702	452464.452	382607.078	383955.347	309086.769	200780.414	244721.271	276760.918	288268.007
0.1	0.03		0.05	0.05	0.13	4.22		0.02		
39869.9816	23957.8838	21409.1184	-226598.11	-148062.13	-46001.573	-12014.756	57816.2574	40857.4444	6824.8326	23311.6121
38342.4098	23905.5314	21409.1184	-226627.74	-148107.98	-46421.048	-20183.696	57750.7786	40818.3896	6824.8326	23283.782
19.04	22.59	21.94	17.75	16.42	22.07	153.25	15.76	19.74	21.99	22.79
						0.002717	0.232843			
61834.0899	77631.9562	91713.9223	89393.2891	76950.3581	77631.8366	61213.7468	49351.7741	68514.7694	85556.0284	85639.9531
1.51	1.25	1.63	1.48	1.22	1.51	1.48	2.25	1.54	1.3	1.46
28089.6844	23253.05	30321.9772	28082.2304	23148.8656	28651.4648	28082.2304	42692.58	29220.6992	24666.824	27702.7408
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
259704.983	289451.061	314088.277	444564.579	375974.42	377679.42	310103.944	197459.908	240664.577	272094.933	283441.69
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74

28089.6844	23253.05	30321.9772	28082.2304	23148.8656	28651.4648	28082.2304	42692.58	29220.6992	24666.824	27702.7408
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
4571.27424	5102.78808	5565.4248	7922.77072	6666.35484	6640.49084	5414.46198	3389.83018	4095.6598	4665.98538	4855.7222
0.33	0.09		0.04	0.06	0.37	9.24	0.18	0.09		0.1
			6.75	7.35	1.95	2.25	1.8	3	5.7	3
			0.015932	0.024476	0.001426	0.002191	0.001455	0.004495	0.009688	0.003981
			0.015663	0.02375	0.001397	0.002146	0.001421	0.004427	0.009566	0.003946
			370.830489	344.706968				15.217507	778.796252	141.568398
			1.285538	1.292621				0.052276	2.507255	0.477086
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
0.031223	0.030875	0.026495	0.025969	0.032755	0.038333	0.040815	0.040049	0.02677	0.02704	0.032377
			1289.4	1755.6	119.7	165.9	121.8	357	787.5	338.1
			5056.98578	7631.53637	549.954844	848.823104	559.683326	1896.96734	4142.2187	1788.90866
			1.849983	2.216884	0.574771	0.7563	0.568469	1.024862	1.923149	1.015881
			86.764269	70.816708				2.751089	140.028911	26.842143
5099.64	5427.1	5560.66	5345.48	4766.58	5493.04	4941.72	5483.24	5232.08	5339.6	5527.06
13.562872	13.533915	13.629068	13.636428	13.54142	13.496412	13.428586	13.439313	13.625208	13.621428	13.546715
5264	5600	5712	5488	4928	5712	5152	5712	5376	5488	5712
14	13.965087	14	14	14	14.034398	14	14	14	14	14
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
			29.810759	33.642551	8.621566	11.594512	8.527035	15.372933	28.888904	15.988224
			29.810759	33.642551	8.621566	11.594512	8.527035	15.372933	28.888904	15.988224
			5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
			5740.88482	9131.41101	621.614448	914.556591	600.973028	2154.07915	4927.77894	2081.33352
			400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
			5740.88482	9131.41101	621.614448	914.556591	600.973028	2154.07915	4927.77894	2081.33352
75.02	47.56	51.92	147.76	142.26	91.8	85.34	104.99	130.96	171.79	148.35
			4969.65529	7339.3294	549.954844	859.323104	559.683326	1881.74983	3373.92245	1657.84027
			5346.24321	8733.15671	621.614448	914.556591	600.973028	2135.5787	4008.56372	1919.20514
			6.250761	6.769916	1.82	2.1	1.68	2.784716	4.932848	2.507076
			80.175715	112.318886	7.98	11.06	8.12	23.616594	43.164739	20.750523
			68.873714	74.540929				83.267707	84.161035	78.826877
			6.887371	7.454092				0.832677	14.307375	6.30615
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54

				0.219285	0.3325	0.019606	0.030054	0.019901	0.061979	0.133928	0.055245
				400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
				400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
				5.784284	4.721113				0.183405	9.33526	1.789476
				370.830489	344.706968				15.217507	778.796252	141.568398
				4.53	4.69	0.45	0.71	0.53	1.16	1.77	0.87
				-400.39904	-1447.3746	-71.659603	-55.233486	-41.289702	-257.11181	-775.06024	-281.92486
				-5746.6423	-10180.531	-693.27405	-969.79008	-642.26273	-2392.6905	-4783.624	-2201.13
				0.32	0.2					0.3	0.07
				1702.5344	2175.0168	134.6501	163.5556	120.5732	423.5944	1107.9598	448.179
				0.27	0.05		0.01			0.01	0.01
				283.5	52.5		10.5			10.5	10.5
				5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
				5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
				5056.98578	7631.53637	549.954844	848.823104	559.683326	1896.96734	4142.2187	1788.90866
				85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
				283.5	52.5		10.5			10.5	10.5
				5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
					0.01						
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0.289446	0.29686	0.302784	0.447281	0.420932	0.358565	0.247606	0.194365	0.238121	0.295128	0.291565	
1075001.27	1249454.74	1376342.66	1837319.32	1514936.48	1441602.67	861535.741	918920.579	1057861.74	1346288.53	1362874.88	
5511.55037	5554.368	5167.91848	6880.62242	5925.32009	6403.03018	4332.09202	4676.82177	4961.82449	5211.60098	5514.72753	
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746	
0.031491	0.035231	0.034928	0.032012	0.03485	0.033656	0.036867	0.035053	0.034784	0.034807	0.035207	
443197.092	482212.511	497802.022	686296.159	583665.602	582380.022	363896.629	320686.641	372573.368	471145.332	484451.079	
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133056.092	141208.548	142305.728	139090.337	124315.311	143879.684	109841.496	121998.601	127612.755	138664.533	143968.726	
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138029.6	146840	149776.8	143903.2	129219.2	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8	

367.099999	366.184538	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
103.561939	101.993491	98.079387	215.427281	240.192356	162.559227	164.961695	107.665911	171.352713	218.733437	166.175198
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1077819.66	1230719.42	1325652.74	2995123.72	2377440.81	1888063.48	1131537.19	792946.821	973353.308	1359969.74	1317152.94
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1465.33	1408.65	1364.93	1802.55	1664.65	1660.03	1286.74	1110.65	1436.11	1894.51	1772.92
163202.021	96549.8336	22513.4018	224991.954	239024.666	247439.444	177015.66	67917.5332	57007.0841	34958.2806	41736.9576
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23.352836	24.694835	26.205365	41.497499	39.628613	32.245848	31.085239	24.965465	28.310658	36.461317	30.805946
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
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21322.131	41129.7906	95826.7144	-1188401.1	-909491.88	-467780.07	-263050.45	166403.206	117585.078	17838.1646	80492.9356
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39526.3394	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
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71.39	53.96	24.96	28.57	36.65	78.84	50.57	35.7	24.66	10.18	20.35
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944
1590.36919	2348.11687	3261.16281	1866.9495	1645.73085	1669.23672	1961.5689	2579.38413	2498.21865	3324.60859	3327.75659
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73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944
282.84	321.86	372.51	250.12	218.1	257.69	278.22	354.09	342.9	368.84	374.3
133.801615	163.935772	204.262772	180.388813	180.68543	153.785139	149.232626	156.332181	179.576032	216.481619	210.387398
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1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
2040084.75	2757504.79	3670952.03	4719767.26	3728398.85	3126442.16	2443534.67	2293934.27	2466675.51	3486385.01	3384785.35
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
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1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944
1590.36919	2348.11687	3261.16281	1866.9495	1645.73085	1669.23672	1961.5689	2579.38413	2498.21865	3324.60859	3327.75659
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73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
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282.84	321.86	372.51	250.12	218.1	257.69	278.22	354.09	342.9	368.84	374.3
133.801615	163.935772	204.262772	180.388813	180.68543	153.785139	149.232626	156.332181	179.576032	216.481619	210.387398
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1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
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1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4

265129.104	289860.523	301463.418	316264.172	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
1370.12394	1301.19281	1146.26106	1193.27088	1145.55069	1501.30018	1685.97638	1723.77737	1256.5127	835.36874	878.070636
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7051.30596	7709.05646	8017.33114	8101.19133	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
265129.104	289860.523	301463.418	316264.172	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
100610.817	100703.366	96338.4073	-7607.8449	18807.7413	80880.1272	94746.8898	146300.538	106241.459	73506.7685	76629.0131
100610.817	100703.366	96338.4073	-7607.8449	18807.7413	80880.1272	94746.8898	146300.538	106241.459	73506.7685	76629.0131
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
7051.30596	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037

265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
7051.30596	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
164518.287	189157.157	205900.733	342273.928	272674.401	253271.217	236994.451	189986.921	151471.444	134758.492	135103.941
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265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
259763.973	283759.319	295220.304	308975.477	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
1342.5208	1273.829	1122.60188	1165.7733	1118.42201	1466.06671	1644.43637	1682.53727	1229.18055	814.55664	856.628713
7929.30319	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
184984.283	212523.515	231393.151	384610.688	306339.5	284574.207	266071.707	213408.344	170348.79	151314.458	151704.006
26.133516	26.221544	24.813357	31.955704	32.774612	26.740918	23.045845	20.32518	20.29423	21.534495	22.520772
0.784005	0.52443	2.481335	0.958671	0.983238	1.337045	5.300544	11.991856	4.667673	0.861379	1.126038
7929.30319	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
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7929.30319	8661.76186	9011.12272	9103.47959	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
259763.973	283759.319	295220.304	308975.477	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
74779.6897	71235.8036	64582.3568	-57750.531	-21754.238	41722.3425	57523.8246	114840.606	81727.3022	51782.2837	54866.5688
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0.32	0.44	0.61	0.16	0.22	0.22	2.2	9.83	2.68	0.27	0.51
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
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7929.30319	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
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259763.973	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
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2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
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2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
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124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
68679.2126	77641.6373	93881.8228	42188.8318	50034.1284	87540.6186	96686.3334	100563.193	112359.138	104441.801	104936.426
68679.2126	77641.6373	93881.8228	42188.8318	50034.1284	87540.6186	96686.3334	100563.193	112359.138	104441.801	104936.426
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124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
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124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
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124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
314930.011	298863.547	292903.244	338370.081	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
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73329.9413	89682.391	108017.77	103807.125	88315.1109	91359.1056	72796.2584	79973.8353	80422.1293	97794.9565	98336.7621
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314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
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314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
4189.57045	3975.83539	3909.25226	4665.07476	2790.39232	4341.76997	4441.70525	3821.66169	3704.40535	3098.8705	3221.2555
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314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
964571.112	1019707.75	1075967.5	1149466.96	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
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21605.2377	23220.4457	24618.6649	26513.8121	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
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26.133516	26.221544	24.813357	31.955704	32.774612	26.740918	23.045845	20.32518	20.29423	21.534495	22.520772
0.784005	0.52443	2.481335	0.958671	0.983238	1.337045	5.300544	11.991856	4.667673	0.861379	1.126038
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462488.274	452338.88	450890.881	154204.541	159612.505	418222.44	469223.051	573193.424	504997.344	394663.043	406749.461
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293319.765	358729.564	432071.078	417128.037	358405.158	365916.472	290372.209	319895.341	320668.488	395818.44	397684.727
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964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
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2354362.88	2798640.03	3319688.89	3490604.63	2909363.6	3018848.81	2457299.76	2560949.77	2586084.32	3050333.44	3055060.26
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443197.092	482212.511	497802.022	686296.159	583665.602	582380.022	363896.629	320686.641	372573.368	471145.332	484451.079
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691697.058	753409.121	787065.005	1058047.27	897875.14	923908.68	548205.025	564086.023	614004.041	733191.359	759741.381
89.79695	47.81311	17.877438	9343.09026	4923.32146	789.622565	2195.06475	663.008658	2053.32646	6629.24515	2967.06292
133056.092	141208.548	142305.728	139090.337	124315.311	143879.684	109841.496	121998.601	127612.755	138664.533	143968.726
353.872585	352.141017	348.788549	354.822288	353.168497	353.512737	298.482326	299.016178	332.324882	353.736053	352.864524
138029.6	146840	149776.8	143903.2	129219.2	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.099999	366.184538	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
103.561939	101.993491	98.079387	215.427281	240.192356	162.559227	164.961695	107.665911	171.352713	218.733437	166.175198
30.987227	30.923376	30.907943	32.141796	32.290098	31.582932	31.067063	34.023058	33.197229	32.416863	32.071576
1277721.03	1381228.61	1446530.02	2102857.79	1788126.84	1729990.55	1083912.41	1037733.01	1158478.8	1419554.53	1445912.74
1077819.66	1230719.42	1325652.74	2995123.72	2377440.81	1888063.48	1131537.19	792946.821	973353.308	1359969.74	1317152.94
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
-199901.37	-150509.19	-120877.28	892265.935	589313.974	158072.929	47624.7783	-244786.19	-185125.49	-59584.789	-128759.8
1579902.49	1798088.3	1953239.61	4047239.98	3185614.95	2669316.58	1867602.27	1353822.42	1464454.75	1819593.34	1781677.92
1465.33	1408.65	1364.93	1802.55	1664.65	1660.03	1286.74	1110.65	1436.11	1894.51	1772.92
163202.021	96549.8336	22513.4018	224991.954	239024.666	247439.444	177015.66	67917.5332	57007.0841	34958.2806	41736.9576
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944

282.84	321.86	372.51	250.12	218.1	257.69	278.22	354.09	342.9	368.84	374.3
133.801615	163.935772	204.262772	180.388813	180.68543	153.785139	149.232626	156.332181	179.576032	216.481619	210.387398
5.845299	7.892878	11.39633	5.828602	6.626349	5.710582	5.230943	6.939287	6.440575	8.7988	8.479553
16,772.92	25,839.04	38,797.26	20,215.88	19,272.47	18,494.68	17,870.53	27,258.92	26,773.93	39,151.58	38,360.27
178579.24	109379.399	25050.5684	296135.167	320177.908	309707.141	215425.673	78382.9853	67540.4166	41746.624	48266.8614
6.233254	4.450802	2.177204	7.297593	8.358995	7.746424	8.717314	4.170283	4.742532	4.519324	3.912921
5,000.43	2,968.13	692.64	5,368.97	5,709.14	7,167.50	5,015.97	1,901.45	1,404.48	670.90	963.28
23.532236	24.770612	26.256794	41.474917	39.616867	32.304037	30.949769	24.487774	28.037602	36.43175	30.858674
23.310433	24.692639	26.243815	41.427734	39.598498	32.164361	30.784484	24.445008	27.980427	36.415434	30.82453
-11772.488	-22870.915	-38048.963	-13561.234	-13563.332	-11327.181	-12854.563	-25357.471	-25369.451	-38480.678	-37396.998
-31.309807	-57.034701	-93.257261	-34.594984	-38.532191	-27.830911	-34.930877	-62.150663	-66.066278	-98.164995	-91.659309
-5999491.7	-6678981.9	-7303915.8	-7424457.1	-6399377.2	-7061839.8	-6045159.5	-6521589.6	-6347407	-6935885.9	-7100992.8
-81.830165	-74.488422	-67.641765	-71.110298	-71.109875	-77.183001	-83.043384	-81.551875	-78.800698	-69.851289	-71.193594
-5999491.7	-6678981.9	-7303915.8	-7424457.1	-6399377.2	-7061839.8	-6045159.5	-6521589.6	-6347407	-6935885.9	-7100992.8
56557.0241	63843.3478	69220.5101	84224.4266	70757.5471	73024.4451	54942.7255	52714.9177	53801.5975	60189.5794	61422.3813
2039572.38	2269162.49	2452310.16	2986786.28	2482723.13	2641078.21	2066823.87	2052989.6	2053960.52	2200575.18	2234149.32
5768184.25	6427152.3	7043748.99	7082600.77	6108942.29	6760665.49	5858673.59	6355798.14	6155822.24	6695587.84	6851228.08
5904395.51	6847250.43	7886077.14	7290283.96	6215404.85	6828728.94	6033723.81	6785375.32	6620405.63	7503599.48	7623872.16
	0.000227	0.010472				0.045948	0.112076	0.047111		0.000222
564939.784	692022.926	818595.23	823611.856	707390.973	707666.038	526798.944	525668.334	585207.496	771899.413	771471.414
3.53	3.32	4.86	5.12	4	3.93	4.46	3.28	4.22	3.75	3.85
39526.3394	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
7579394.2	8477070.2	9257155.44	11471697.1	9584992.17	9731156.35	7912761.76	7875411.98	7811861.72	8755479.24	8882670.74
4198893.85	4880793.22	5588747.92	7866983.8	6348106.79	5979311.94	4528745.22	4123567.56	4280714.03	5150765.97	5130826.32
1189570.79	1293336.68	1344246.71	1964726.9	1673665.89	1619345.7	997480.483	944912.506	1068750.7	1323215.83	1347133.52
61557.4537	66811.4757	69968.8069	90879.0701	76466.6841	80191.941	59958.6937	54616.3646	55206.0791	60860.4833	62385.6565
39526.3394	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
4198893.85	4880793.22	5588747.92	7866983.8	6348106.79	5979311.94	4528745.22	4123567.56	4280714.03	5150765.97	5130826.32
48623.8988	52646.3928	54609.3537	96671.4409	79869.2674	69510.9867	40926.8298	41898.8894	46033.1845	57936.3124	57415.1771
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
21605.2377	23220.4457	24618.6649	26513.8121	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
502082.838	567368.872	627586.865	1052116.26	808174.14	781253.1	736065.077	560875.597	491101.438	459623.604	464524.976
-462488.27	-452338.88	-450890.88	-154204.54	-159612.5	-418222.44	-469223.05	-573193.42	-504997.34	-394663.04	-406749.46
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437

2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75
-3531147.7	-3457582.1	-3825410	-3604897.2	-3826881.3	-3301623.1	-3676807.5	-3451696.9	-3976955.1	-3451696.9	-3526733.8
-3531147.7	-3457582.1	-3825410	-3604897.2	-3826881.3	-3301623.1	-3676807.5	-3451696.9	-3976955.1	-3451696.9	-3526733.8
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75

22.160352	24.580448	25.860484	26.990415	40.944348	37.334304	30.344395	28.654327	22.664347	23.664364	26.194364
22.850262	22.850162	22.850162	22.850182	23.307244	23.307145	23.307224	23.307185	23.307126	23.307027	23.307185
22.038334	24.458391	25.738412	26.868371	40.820706	37.21068	30.220734	28.530694	22.540706	23.540716	26.070716
22.132194	24.552281	25.832314	26.962251	40.915815	37.305775	30.315858	28.625796	22.635814	23.63583	26.16583
21.428243	23.848105	25.128052	26.258153	40.202499	36.592562	29.602431	27.912529	21.922501	22.922475	25.452476
21.700437	24.120386	25.400367	26.530404	40.478314	36.868338	29.87829	28.188326	22.198315	23.198306	25.728306
22.113422	24.533503	25.813534	26.943475	40.896793	37.286756	30.296833	28.606776	22.616792	23.616807	26.146807
22.150966	24.571059	25.851094	26.981027	40.934837	37.324794	30.334882	28.644817	22.654836	23.654853	26.184853

21.054286	21.054286	21.054286	21.054286	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371
1.15	1.15	1.15	1.15	1.18	1.18	1.18	1.18	1.18	1.18	1.18
21.86	24.28	25.56	26.69	40.64	37.03	30.04	28.35	22.36	23.36	25.89
4.687947	4.758923	5.539234	6.177745	6.160472	6.182588	5.560971	5.043491	4.751148	4.771879	4.808721
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
0.035885	0.032393	0.032908	0.03778	0.033308	0.042471	0.031887	0.035027	0.027405	0.027961	0.024202
8329.95	8185.95	9051.975	8486.775	8874.225	7583.625	8538.75	7989.975	9278.55	8048.475	8255.25
21.692578	21.771143	21.707374	21.649936	21.750551	21.544389	21.838235	21.711888	21.883372	21.870855	21.955452
8640	8460	9360	8820	9180	7920	8820	8280	9540	8280	8460
22.5	22.5	22.446043	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5

17.61					4	1.68		9.7	3.66	3.96

2.8257	0.65933	1.60123	0.65933	7.723579	7.911959	6.31073	6.593299	1.8838	3.95598	7.158439
0.014703	0.001723	0.002097	0.000469	0.100703	0.086769	0.02421	0.025045	0.006072	0.018478	0.037722
0.014375	0.001702	0.002043	0.000459	0.098504	0.08446	0.023622	0.024429	0.005825	0.017961	0.036755
3369.40218	7.008419	1043.80509	354.212797	45637.0278	25932.1804	4565.2983	2745.34313	1866.90132	6435.02643	32946.5819
13.950442	0.033674	4.251214	1.186365	161.337083	96.058698	18.527826	12.634647	8.852411	22.358548	108.618655
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56

0.033854	0.028776	0.029423	0.027397	0.027843	0.026761	0.02653	0.025	0.030188	0.035298	0.025
3015.58704	349.63328	464.3567	98.33436	21955.8774	16241.5585	5058.75652	4911.25498	1349.36594	3611.05622	7549.89364
14865.7521	1731.14806	2731.49042	672.678189	101971.978	76914.9646	26279.8448	25220.2148	6588.62883	18515.354	38235.8562
1.465594	0.34474	0.993724	0.464948	3.869325	4.122695	3.402909	3.531353	0.972895	2.13283	3.773495
575.660795	1.199303	153.487359	46.134399	8160.97097	4502.67689	765.000753	444.462494	321.492805	1062.40651	5517.96081
21518	21180.44	23418.08	22113.08	23005.12	19869.64	22132.8	20810.4	23849.6	20590.58	21262.8
56.036458	56.330957	56.158465	56.410918	56.385098	56.44784	56.605626	56.55	56.249056	55.952663	56.55
22272	21808	24128	22736	23664	20416	22736	21344	24592	21344	21808
58	58	57.860911	58	58	58	58.148337	58	58	58	58
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
16.38666	3.881631	10.917241	4.965248	43.759619	46.165335	38.107195	39.609894	10.874168	23.684379	42.206517
16.38666	3.881631	10.917241	4.965248	43.759619	46.165335	38.107195	39.609894	10.874168	23.684379	42.206517
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
21859	2240.7758	3354.75862	801.339706	141222.939	111625.44	35648.8158	33575.6361	8914.05681	26340.3068	55847.6819
4278.41669	185.773839	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.58586	1094.47177	4536.82466	10667.1382
21859	2240.7758	3354.75862	801.339706	141222.939	111625.44	35648.8158	33575.6361	8914.05681	26340.3068	55847.6819
94.73	132.69	104.31	99.27	270.46	247.21	202.66	191.66	130.8	162.51	254.25
14211.1811	2047.99354	2122.25883	405.848191	76589.9092	65915.1144	26447.9617	27074.7071	5952.68372	15368.4557	12233.9619
17626.1431	2233.53349	2253.99378	429.261275	88099.0391	79733.3197	30095.805	30438.4336	6785.17785	18632.6831	15243.0996
15.067745	4.044083	6.262772	2.257839	35.004513	40.115524	35.509262	38.632423	8.896556	17.981457	19.907912
259.043024	36.992671	33.004495	5.541985	1464.58291	1246.29808	455.861106	474.232135	109.127628	270.586018	215.727023
55.581829	55.042218	64.473383	70.761641	55.118074	56.163287	60.201932	59.180771	55.747118	57.779325	58.404661
12.731403	0.550422	8.985949	4.953236	45.062244	47.105896	31.21698	17.082366	8.911343	21.305872	44.309978
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
0.83375	0.098723	0.118225	0.026632	5.713284	4.898693	1.373606	1.416902	0.337877	1.041793	2.131808
4278.41669	185.773839	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.58586	1094.47177	4536.82466	10667.1382
4278.41669	185.773839	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.58586	1094.47177	4536.82466	10667.1382
61.116975	0.127328	16.295504	4.898014	866.437091	478.041924	81.218893	47.187864	34.132371	112.793981	585.832976
3369.40218	7.008419	1043.80509	354.212797	45637.0278	25932.1804	4565.2983	2745.34313	1866.90132	6435.02643	32946.5819
3.32	0.57	0.69	0.17	25.02	16.75	6.95	7.63	1.76	3.97	4.47
-4278.4167	-185.77384	-188.6947	-41.278717	-18996.002	-19778.145	-4635.5558	-3755.5859	-1094.4718	-4536.8247	-10667.138
-21904.56	-2419.3073	-2442.6885	-470.53999	-107095.04	-99511.465	-34731.361	-34194.019	-7879.6496	-23169.508	-25910.238
0.31		0.16	0.01	4.79	2.31	0.41	0.44	0.25	0.64	4.96
1215.874	135.1265	206.4523	53.195	11139.0825	7811.5134	2233.7164	1907.7166	519.0374	1715.1905	4102.1037
0.08	0.03	0.05		0.83	0.5	0.34	0.34	0.02	0.04	0.24

35.092	13.1595	21.9325		371.3586	223.71	152.1228	152.1228	8.9484	17.8968	107.3808
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
14865.7521	1731.14806	2731.49042	672.678189	101971.978	76914.9646	26279.8448	25220.2148	6588.62883	18515.354	38235.8562
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
35.092	13.1595	21.9325		371.3586	223.71	152.1228	152.1228	8.9484	17.8968	107.3808
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
2679.7392	310.6944	412.641	87.3828	19883.6006	14708.6202	4581.2924	4447.7126	1222.0078	3270.2314	6837.3068
				0.47	0.42	0.24				
11.206278	11.144479	11.13793	11.071427	10.767729	10.806966	10.973697	10.99199	11.219141	11.23778	11.135891
0.510639	0.538764	0.5341	0.577292	0.81037	0.758651	0.628098	0.605435	0.502842	0.494496	0.532776
0.490291	0.522469	0.509247	0.557578	0.785709	0.734108	0.60374	0.584103	0.484779	0.47566	0.515288
599815.836	567839.156	718937.403	801949.378	1093589.5	862247.23	721242.676	521005.665	694751.328	626888.526	740565.626
3072.14478	2844.58596	3115.01116	2956.13525	4010.61444	3311.8861	3142.12535	2576.3359	3467.29373	2959.31927	2853.25488
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
0.041562	0.030851	0.046394	0.03528	0.031397	0.033465	0.038418	0.036331	0.037311	0.038913	0.033803
233332.511	242329.785	261310.6	267501.733	380621.15	308383.095	287207.486	261716.22	255337.236	217886.977	239141.424
268731.409	280510.249	301499.017	309481.931	448037.67	363102.027	340528.733	309591.949	301151.285	258166.751	283362.281
2.9262	2.9262	2.9262	2.9262	2.983499	2.9835	2.9835	2.9835	2.9835	2.9835	2.9835
414445.207	430426.164	464139.888	475136.579	686450.244	556168.912	517978.701	472005.203	460500.704	392959.162	431291.558
40852.44	40448.4	44033.7	41976.87	43866.09	37764.42	41840.34	39363.93	45307.98	39258.48	40325.19
106.386562	107.575531	105.596402	107.083852	107.514926	107.285284	107.008542	106.967201	106.858443	106.680652	107.247845
42624	41736	46176	43512	45288	39072	43512	40848	47064	40848	41736
111	111	110.733812	111	111	111	111.283887	111	111	111	111
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
34.890124	34.556577	34.632706	34.352819	34.010932	34.136757	34.715673	34.791858	35.579528	35.622298	35.209471
34.399734	34.210795	34.196071	33.998461	33.769155	33.88637	34.372746	34.43064	35.11412	35.160676	34.855794
726039.71	753062.218	813222.493	831458.8	1200348.99	972521.89	910129.905	828490.066	808903.335	691357.949	756997.121
553842.811	613266.794	687941.546	742506.882	1610047.22	1205088.78	920032.325	791468.021	599221.729	538596.268	668849.97
-172196.9	-139795.42	-125280.95	-88951.918	409698.222	232566.89	9902.42037	-37022.045	-209681.61	-152761.68	-88147.151
553842.811	613266.794	687941.546	742506.882	1610047.22	1205088.78	920032.325	791468.021	599221.729	538596.268	668849.97
368.04	364.4	396.7	378.17	395.19	340.22	376.94	354.63	408.18	353.68	363.29
117006.833	178204.581	84560.6904	21729.9017	99254.8697	104063.94	180347.489	299721.001	104318.367	56102.2033	9358.17535
135275.438	197210.772	97267.5459	23978.4127	142071.064	143105.951	225876.832	362806.857	117597.387	65160.5166	11098.3202

35.547507	49.182469	33.091561	15.701334	21.84554	24.667576	39.348317	58.579048	39.618979	30.550275	15.42373
3578.72716	5407.83884	2583.35078	661.226543	3001.32241	3139.92835	5396.84084	8970.60055	3143.05188	1670.73902	278.167158
21.111293	23.805534	24.750805	26.570908	34.860033	31.534286	26.995697	25.923498	22.000001	22.51788	24.334358
20.69165	23.418359	24.653446	26.542269	34.842819	31.49919	26.839979	25.306205	21.78073	22.332637	24.32324
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
54.422317	57.994127	56.390944	61.891193	87.213745	81.485988	67.186593	64.835489	53.810551	52.798277	57.197005
-294159.8	-266461.2	-261868	-228775.07	210747.547	71375.0458	-140220.93	-173821.11	-343146.38	-266651.2	-213146.37
-294159.8	-266461.2	-261868	-228775.07	210747.547	71375.0458	-140220.93	-173821.11	-343146.38	-266651.2	-213146.37
17319.4428	16397.9532	20931.6732	23600.1215	32581.8856	25543.1396	20873.1172	14888.8594	19672.6221	17759.027	21227.9068
599815.836	567839.156	718937.403	801949.378	1093589.5	862247.23	721242.676	521005.665	694751.328	626888.526	740565.626
16.84	21.46	20.84	8.34	69.33	54.05	47.97	41.74	11.37	10.19	3.57
172196.899	139795.424	125280.948	88951.9181	-409698.22	-232566.89	-9902.4204	37022.0454	209681.605	152761.682	88147.151
36921.461	-57415.347	28013.4018	64973.5054	-551769.29	-375672.84	-235779.25	-325784.81	92084.2184	87601.1651	77048.8308
277.11	254.89	309.11	332.34	242.15	202.88	234.46	197.11	331.02	292.49	325.84
69298.1658	70856.6414	88185.7397	99366.6612	104808.711	86088.3967	83524.8498	69227.7188	79233.8645	72505.0801	90467.0295
1.09	0.83	1.15	0.92	0.87	0.72	0.99	0.9	1.14	0.97	0.82
9217.04	7018.48	9724.4	7779.52	7504.62	6210.72	8539.74	7763.4	9833.64	8367.22	7073.32
848002.613	879727.997	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.135	942368.108	805247.472	881996.343
848002.613	879727.997	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.135	942368.108	805247.472	881996.343
683176.616	710936.413	765638.905	784618.51	1134487.91	919270.938	858507.434	781597.152	761651.989	651125.913	714653.84
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
9217.04	7018.48	9724.4	7779.52	7504.62	6210.72	8539.74	7763.4	9833.64	8367.22	7073.32
848002.613	879727.997	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.135	942368.108	805247.472	881996.343
33646.0537	35107.3251	37859.1886	39060.7703	58356.4611	47040.2315	43082.7311	39129.5144	37417.7054	31864.8162	35269.9614
55.46	78.25	51.96	26.25	35.21	45.28	74.33	96.13	50.26	33.32	10.14
0.032005	0.025558	0.029302	0.026734	0.031519	0.029318	0.029744	0.039103	0.02783	0.031494	0.039122

1115.13	1099.17	1211.43	1144.56	1185.42	1025.04	1141.02	1060.83	1236.6	1069.23	1083.87
2.903984	2.923324	2.905107	2.919795	2.905441	2.912045	2.918209	2.88269	2.916509	2.905516	2.882632
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3

11.75404	11.514138	11.493803	11.418235	11.254437	11.271902	11.393967	11.408629	11.714196	11.711629	11.590605
0.612642	0.683327	0.699447	0.739383	0.856315	0.831212	0.754811	0.730982	0.609519	0.610404	0.645904
0.510551	0.649287	0.662526	0.647896	0.816798	0.789421	0.719226	0.691792	0.371576	0.584485	0.618777
226747.393	279133.616	314456.628	287033.432	377517.159	315757.091	324953.643	294025.73	185610.204	254849.608	273612.272
1182.51677	1409.14004	1367.40285	1056.65357	1391.71041	1219.80333	1425.26416	1464.89267	926.604861	1201.65203	1058.99813
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
0.050833	0.051143	0.051177	0.04977	0.047647	0.051193	0.04801	0.052282	0.052358	0.04432	0.042845
97952.3063	120432.671	135634.323	123668.769	159988.576	133755.302	137398.956	124463.899	78751.9434	107831.092	115740.886
112685.09	138754.319	156327.957	142733.82	188228.565	157539.853	162587.838	146982.918	92734.4044	127708.538	137062.499
2.2241	2.2241	2.2241	2.2241	2.2673	2.2673	2.2673	2.2673	2.267299	2.267299	2.2673
105210.572	129356.732	145684.826	132832.625	173955.579	145432.14	149393.885	135329.597	85626.988	117244.747	125845.066
13758.28	15341.11	16931.68	14730.08	16708.08	14361.14	16046.74	14957.12	11127.54	15122.67	15475.27
35.828854	40.800824	40.603549	37.576734	40.951176	40.798693	41.040255	40.644347	26.244198	41.094211	41.157632
16512	16168	17888	16856	17544	15136	16856	15824	18232	15824	16168
43	43	42.896882	43	43	43	43.109974	43	43	43	43
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
28.369629	27.227771	27.156423	27.413545	27.039148	27.107496	27.354973	27.490186	28.837898	28.236869	27.876347
27.187516	26.652214	26.609647	26.437013	26.595122	26.632785	26.895289	26.934178	27.63665	27.614485	27.339166
235698.634	284613.114	320479.893	296277.471	383106.247	320791.537	330116.084	299614.819	193332.532	260140.043	278646.719
217121.781	283718.349	332563.896	321079.827	622726.497	475779.743	400940.779	345413.746	174540.092	249646.077	296658.059
-18576.853	-894.76428	12084.0033	24802.3562	239620.25	154988.206	70824.6951	45798.9272	-18792.44	-10493.965	18011.3404
217121.781	283718.349	332563.896	321079.827	622726.497	475779.743	400940.779	345413.746	174540.092	249646.077	296658.059
319.96	356.77	393.62	342.56	388.56	333.98	373.18	347.84	258.78	351.69	359.89

21.261992	22.128258	26.15463	25.265664	39.800195	36.251466	29.353136	28.498694	22.64285	21.62201	24.634812
5.102878	5.310782	9.415666	5.305789	10.34805	10.875439	8.512409	9.689556	4.075713	5.621722	5.419658
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
21.953697	27.919361	28.420335	27.85954	35.122352	33.945142	31.005856	29.747092	15.977806	25.13288	26.607446
-69776.523	-63844.922	-58812.057	-39839.31	155994.221	85074.3093	-993.73912	-19258.353	-59956.081	-66857.277	-42486.421
-69776.523	-63844.922	-58812.057	-39839.31	155994.221	85074.3093	-993.73912	-19258.353	-59956.081	-66857.277	-42486.421

8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
226747.393	279133.616	314456.628	287033.432	377517.159	315757.091	324953.643	294025.73	185610.204	254849.608	273612.272
18576.8527	894.76428	-12084.003	-24802.356	-239620.25	-154988.21	-70824.695	-45798.927	18792.4404	10493.9654	-18011.34
18576.8527	894.76428	-12084.003	-24802.356	-239620.25	-154988.21	-70824.695	-45798.927	18792.4404	10493.9654	-18011.34
3.38	2.79	4.55	1.96	3.06	3.06	3.27	5.14	1.76	3.23	2.51
0.122395		0.002403	0.079081				0.002717	0.356132		
57916.2616	67988.6451	87065.2816	87444.8149	101940.923	83118.9792	82067.7863	66950.305	48399.7562	71277.2546	88509.3051
2.14	1.31	1.44	2.21	1.31	1.18	1.21	1.31	1.81	1.24	1.18
8951.24122	5479.49813	6023.26512	9244.03883	5589.0888	5034.4464	5162.4408	5589.0888	7722.3288	5290.4352	5034.4464
286898.305	347563.271	391375.953	360919.136	466732.276	390705.434	401934.518	364672.099	234496.173	316503.355	339144.48
286898.305	347563.271	391375.953	360919.136	466732.276	390705.434	401934.518	364672.099	234496.173	316503.355	339144.48
217895.662	268111.052	302012.784	275566.445	362184.144	302971.993	311981.723	282312.515	178361.392	244953.285	262907.564
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
8951.24122	5479.49813	6023.26512	9244.03883	5589.0888	5034.4464	5162.4408	5589.0888	7722.3288	5290.4352	5034.4464
286898.305	347563.271	391375.953	360919.136	466732.276	390705.434	401934.518	364672.099	234496.173	316503.355	339144.48
8851.731	11022.564	12443.844	11466.987	15333.0144	12785.0983	12971.9203	11713.2151	7248.8113	9896.323	10704.708
0.029244	0.031861	0.034663	0.028647	0.022892	0.032159	0.029438	0.026711	0.022193	0.04682	0.035132
1118.31	1092.06	1204.74	1142.31	1195.98	1022.04	1141.38	1074.51	1243.77	1052.31	1088.37
2.912265	2.904414	2.889064	2.914056	2.931323	2.903522	2.91913	2.919864	2.933419	2.859538	2.894601
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3

1.978116	0.14	8.562911	9.58818	4.500484	2.945788	0.981666	3.941488	6.630598
0.004538	0.000157	0.020377	0.02536	0.003722	0.002071	0.000985	0.004475	0.0105
0.004296	0.000148	0.020029	0.02471	0.003668	0.002038	0.000924	0.004402	0.01017
401.259985		2629.75705	2848.95407	325.055587	83.785187	108.73537	269.83872	4558.56361
1.775379		9.329269	10.470723	1.331883	0.407855	0.521776	0.962982	14.767518

82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
0.026614	0.026861	0.029843	0.028545	0.023602	0.028877	0.024119	0.034157	0.032393	0.019796	0.036263
1174.5	39.2			5759.4	6157.3	1017.1	527.1	275.6	1143	2712.8
5779.77722	205.574996			22580.6673	26250.2623	4476.88615	2735.34732	1316.41519	5887.2965	13840.7008
0.690724	0.052442			2.507653	3.008061	1.486626	1.074189	0.33913	1.420545	2.357548
83.321167				624.869812	647.718929	79.322583	16.581626	20.905515	54.171281	910.060923
18653	18259.3	20217.5	18964.9	19899	17067	19121.7	17725.3	20513.7	18026.3	18161.3
48.57552	48.561968	48.483213	48.379846	48.772058	48.485795	48.904603	48.166576	48.381367	48.98451	48.301329
19200	18800	20800	19600	20400	17600	19600	18400	21200	18400	18800
50	50	49.880095	50	50	50	50.127877	50	50	50	50
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
17.36258	0.751285			42.31291	64.121987	27.020561	16.88638	5.538795	29.461437	52.240304
9.794929	0.751285			35.680148	42.879574	20.979696	15.153593	4.780282	20.005495	33.355059
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
6785.64976	217.570551			25492.9103	30870.1924	5244.03369	3010.12494	1434.89995	6596.92647	16364.868
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
6785.64976	217.570551			25492.9103	30870.1924	5244.03369	3010.12494	1434.89995	6596.92647	16364.868
136.47	137.22	110.36	108.81	280.87	303.67	238.38	166.01	173.28	242.88	368.36
5409.87423	210.359996			20169.8923	23553.8962	4170.74356	2667.05913	1213.04882	5621.11778	9316.30123
6310.61602	217.570551			22585.9426	27581.2223	4805.47446	2921.78957	1319.65102	6312.10264	11041.7663
3.131907	0.4			11.873356	14.188506	6.446688	4.067966	1.221643	5.634292	7.418587
76.569916	2.8			364.059432	388.750022	66.234101	36.315598	18.106748	77.130622	126.455002
69.596974				60.164573	66.367884	59.81748	70.360409	71.950149	69.910306	72.994005
4.147766				20.393181	23.228759	4.187223	1.407208	2.878005	4.194618	29.926037
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
0.214843	0.007446			1.00147	1.235511	0.183887	0.101902	0.046226	0.220108	0.50851
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
5.930083				44.540567	46.149977	5.665898	1.184401	1.493251	3.869377	64.744997
401.259985				2629.75705	2848.95407	325.055587	83.785187	108.73537	269.83872	4558.56361
1.15	0.05			5.5	5.5	1.1	0.53	0.27	1.07	2.25
-974.51554	-7.210554			-2693.261	-4467.3421	-748.23454	-259.28062	-113.11576	-705.96997	-2490.0031
-7285.1316	-224.78111			-25279.204	-32048.564	-5553.709	-3181.0702	-1432.7668	-7018.0726	-13531.769
0.03				0.31	0.27	0.02	0.01	0.02	0.05	0.44
571.7982	15.5766			3118.4561	3333.9766	502.264	212.3241	108.4727	579.738	1682.1657

0.04	0.01			0.37	0.2	0.03	0.03	0.01		0.04
23.557	4.785			203.122	124.65	14.643	14.643	4.881		19.524
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
5779.77722	205.574996			22580.6673	26250.2623	4476.88615	2735.34732	1316.41519	5887.2965	13840.7008
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
23.557	4.785			203.122	124.65	14.643	14.643	4.881		19.524
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
7.8				15.86	27.938	4.27	0.854	0.488	3.66	14.64
				0.05	0.09	0.03				

0.023229	0.024734	0.033581	0.03426	0.03348	0.034659	0.025484	0.021711	0.035778	0.02557	0.039414

1500.32	1466.8	1608.12	1514.28	1577.36	1359.2	1528.04	1440.04	1635.32	1434.36	1444.72
3.907083	3.901063	3.856402	3.862959	3.866078	3.861363	3.90803	3.913152	3.856886	3.897717	3.84234
1536	1504	1664	1568	1632	1408	1568	1472	1696	1472	1504
4	4	3.990407	4	4	4	4.01023	4	4	4	4

10.661704	10.476534	10.498424	10.45002	10.202036	10.222827	10.3534	10.352532	10.647399	10.661234	10.519115
0.38006	0.439911	0.436991	0.489851	0.730583	0.682319	0.548971	0.515092	0.34031	0.36071	0.407557
0.359583	0.415189	0.416348	0.465541	0.697656	0.643025	0.519271	0.482831	0.248426	0.343538	0.384106
253022.249	284488.236	316721.114	331773.417	512184.67	409139.286	373703.06	322435.171	197430.198	239340.32	270935.97
1295.35608	1430.57278	1365.64783	1221.31418	1887.87379	1579.11329	1629.3724	1599.02791	982.774133	1105.64281	1026.30647
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
0.057317	0.059255	0.04899	0.051785	0.047083	0.057642	0.056964	0.061059	0.064764	0.04951	0.060106
85281.2138	95221.1446	105789.595	110586.205	168227.878	134303.443	122413.143	107290.484	65120.1404	78428.3339	88705.795
98323.3264	110682.309	122452.929	128525.791	197991.83	158343.177	145397.32	127252.969	76775.0818	93269.1219	105435.768
2.9367	2.9367	2.9367	2.9367	2.9942	2.9942	2.9942	2.9942	2.9942	2.994199	2.9942
152371.945	170131.619	189014.27	197584.373	305199.016	243653.306	222081.924	194646.395	118140.959	142284.683	160930.053
21212.614	20727.992	23183.332	21781.62	22783.094	19438.206	21662.662	20194.732	18054.66	20497.108	20709.24

55.241182	55.127638	55.59552	55.565357	55.840916	55.222176	55.403227	54.876989	42.581745	55.698663	55.077765
22502.4	22033.6	24377.6	22971.2	23908.8	20627.2	22971.2	21564.8	24846.4	21564.8	22033.6
58.599999	58.599999	58.459472	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
35.620018	34.86753	34.491022	34.137888	33.177601	33.536074	34.07971	34.228047	41.024962	36.843515	35.49429
31.835603	31.286889	31.355511	31.209466	31.092287	31.153721	31.531938	31.533839	32.422185	32.451425	32.026037
280219.823	313365.167	343220.997	356824.326	537745.362	434512.645	399274.215	353649.797	243343.947	267617.562	296870.29
236415.252	277073.331	318035.225	344233.374	773748.448	567758.145	440070.045	365095.771	177424.979	226577.522	288178.567
-43804.572	-36291.836	-25185.772	-12590.952	236003.086	133245.5	40795.8302	11445.9739	-65918.968	-41040.04	-8691.7223
236415.252	277073.331	318035.225	344233.374	773748.448	567758.145	440070.045	365095.771	177424.979	226577.522	288178.567
361.99	353.72	395.62	371.7	388.79	331.71	369.67	344.48	308.1	349.78	353.4
1961.51575	1174.19079	125.355828	4.595186	13.451184	19.65875	217.454294	5086.76699	818.998743	213.986084	
2286.28414	1322.45078	127.228973	4.227716	19.7991	22.046934	234.909395	6473.53494	910.704934	229.337515	
7.322258	5.494588	2.972261	0.13	0.390656	0.575386	4.299177	8.663818	4.656241	2.475625	
65.16223	38.421766	3.793741	0.13	0.390656	0.575386	6.509169	163.977936	26.651759	6.625311	
22.827835	25.163049	27.093573	27.109028	38.974033	35.945128	31.215697	28.262751	24.349561	22.327203	25.410635
21.777802	24.120497	24.642693	26.024667	35.067734	31.239114	28.705102	28.187124	21.150783	19.866246	21.59904
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
21.071609	24.330079	24.339491	27.28075	40.882696	37.681301	30.507104	28.293945	14.557811	20.131342	22.508611
-88381.062	-86063.928	-80481.994	-70394.361	148070.374	63045.09	-23189.52	-44634.762	-99957.266	-82034.53	-55058.241
-88381.062	-86063.928	-80481.994	-70394.361	148070.374	63045.09	-23189.52	-44634.762	-99957.266	-82034.53	-55058.241
8026.33577	9109.68823	10145.7743	10693.924	16679.7493	13263.2426	11921.7688	10248.1941	6145.86024	7401.70869	8463.238
253022.249	284488.236	316721.114	331773.417	512184.67	409139.286	373703.06	322435.171	197430.198	239340.32	270935.97
0.09	0.09	0.04		0.03	0.02	0.08	0.27	0.05		
43804.5717	36291.836	25185.7725	12590.9517	-236003.09	-133245.5	-40795.83	-11445.974	65918.9682	41040.0402	8691.72226
41518.2875	34969.3853	25058.5435	12586.724	-236022.89	-133267.55	-41030.74	-17919.509	65008.2633	40810.7027	8691.72226
23.59	17.27	28.3	22.49	17.67	16.65	22.11	17.05	15.86	21.82	19.7
							0.002717	0.224056		
63535.7236	63728.7063	82138.9738	91068.1372	96215.5299	77829.8423	76769.1332	62868.871	50428.5613	67024.6508	82013.805
1.33	1.46	1.39	1.32	1.32	1.31	1.31	1.35	2.33	1.45	1.34
25236.0584	27702.7408	26374.5272	25046.3136	25547.2404	25353.7007	25353.7007	26127.8595	45094.7501	28063.2565	25934.3198
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.533	277382.244	308612.052	343236.809
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.533	277382.244	308612.052	343236.809
250695.271	280813.928	311467.199	326110.164	503190.846	401996.483	367479.244	321899.365	194916.04	235553.805	266365.821
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238

25236.0584	27702.7408	26374.5272	25046.3136	25547.2404	25353.7007	25353.7007	26127.8595	45094.7501	28063.2565	25934.3198
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.533	277382.244	308612.052	343236.809
4288.49394	4848.4983	5379.27104	5667.84862	9007.2756	7162.46172	6441.27012	5622.57288	3333.15648	4000.50036	4570.14852
0.59	0.49	0.26	0.01	0.04	0.07	0.31	1.16	0.48	0.21	
1.65	0.15			6.45	7.65	3	1.8	0.9	3.15	6.15
0.003766	0.000053			0.013351	0.019793	0.002471	0.001226	0.000562	0.003324	0.008282
0.003697	0.000053			0.013284	0.019545	0.002321	0.001222	0.000542	0.00326	0.008058
79.090057				220.704467	220.272062	9.259314	11.230073	10.994138	94.009516	540.65252
0.352261				0.784022	0.819281	0.034617	0.055932	0.051793	0.337461	1.777512
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
0.027369	0.027021	0.028798	0.018979	0.017034	0.031676	0.038801	0.032635	0.033207	0.025434	0.025664
298.2	4.2			1138.2	1444.8	191.1	94.5	48.3	252	636.3
1463.08017	22.025892			4288.66599	6042.38244	832.261615	488.541587	226.642739	1303.44915	3241.82591
0.544367	0.052442			1.698386	2.218055	0.861737	0.613661	0.287165	1.077932	2.051783
16.643928				53.135016	57.29559	1.836692	2.1	2.1	18.705463	110.351878
5228.86	5121.76	5656.28	5383.84	5614.7	4771.9	5275.06	4983.86	5738.88	5020.96	5128.9
13.616822	13.621702	13.56422	13.734285	13.761519	13.556534	13.491202	13.543097	13.535094	13.643913	13.640691
5376	5264	5824	5488	5712	4928	5488	5152	5936	5152	5264
14	14	13.966426	14	14	14	14.035805	14	14	14	14
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
8.272654	0.786639			27.102316	33.976306	12.926065	9.204923	4.307486	16.693987	30.964256
8.272654	0.786639			27.102316	33.976306	12.926065	9.204923	4.307486	16.693987	30.964256
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
1694.76669	22.83167			4834.76373	7055.23251	989.110156	524.300773	245.038407	1440.97612	3804.94367
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
1694.76669	22.83167			4834.76373	7055.23251	989.110156	524.300773	245.038407	1440.97612	3804.94367
77.01	70.51	55.71	55.26	154.96	153.7	112.13	90.86	115.66	149.7	189.61
1394.49012	22.025892			4235.96152	5906.11038	823.002301	477.311513	215.6486	1230.43963	2722.17339
1603.86532	22.83167			4587.56806	6797.41957	979.026882	513.004962	233.673038	1340.18248	3197.72606
1.52581	0.14			5.946471	7.062088	2.78259	1.54	0.84	2.76045	4.871845
18.770404	0.28			72.337665	92.500293	12.617553	6.16	3.08	15.552969	35.063208
74.536601				64.652499	64.35366	69.110289	80.941143	81.438002	79.956634	77.356174
2.236098				7.111774	8.365975	1.382205	0.809411	0.81438	2.398699	17.018358
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42

0.05177	0.000744			0.18598	0.273636	0.032583	0.017119	0.007594	0.045652	0.112819
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
1.109595				3.542334	3.819706	0.122446	0.14	0.14	1.24703	7.356791
79.090057				220.704467	220.272062	9.259314	11.230073	10.994138	94.009516	540.65252
0.72	0.02			3.89	4.41	0.56	0.37	0.18	0.83	1.49
-221.18652	-0.805778			-378.09774	-928.85007	-156.84854	-35.759186	-18.395668	-116.52697	-542.11776
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0.05				0.14	0.11		0.01	0.01	0.07	0.32
316.6335	4.5108			1509.5346	1827.1828	223.0076	96.616	48.0886	311.0998	898.2956
0.01				0.16	0.08				0.02	0.02
10.5				168	84				21	21
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
1463.08017	22.025892			4288.66599	6042.38244	832.261615	488.541587	226.642739	1303.44915	3241.82591
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
10.5				168	84				21	21
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
				0.08	0.05					

11.202277	11.088199	11.085489	11.006589	10.723338	10.766346	10.921598	10.932445	11.204494	11.229205	11.105559
0.283774	0.312048	0.311009	0.334304	0.479367	0.451731	0.368066	0.353095	0.260329	0.28087	0.308425
0.268449	0.3006	0.29837	0.318872	0.463414	0.434541	0.35401	0.338906	0.23083	0.270689	0.297102
1083435.23	1131468.02	1351158.95	1421110.44	2031778.82	1616145.01	1424798.99	1140306.92	1079778.36	1127877.33	1323159.67
5566.09571	5684.33246	5852.31306	5235.28937	7461.64901	6218.15142	6216.65624	5653.35491	5386.09871	5290.27311	5063.72317
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
0.034957	0.03321	0.035902	0.033429	0.030855	0.0361	0.033956	0.036198	0.035984	0.033174	0.036165
421054.318	458376.634	503198.875	501855.042	737691.081	600285.498	553286.541	499003.457	400882.585	409152.459	454487.099
501848.435	531905.626	583011.394	581414.22	963099.376	788192.665	680102.884	612271.94	478792.458	504850.51	581178.931
2.783558	2.744365	2.740866	2.755396	2.879792	2.883777	2.826887	2.828725	2.850683	2.818769	2.847691
672027.723	729914.516	798838.984	805553.577	1165604.84	945254.357	889454.509	801981.195	664268.651	652488.592	718066.677
675.62589	1.199303	153.487359	46.134399	8838.9758	5207.69141	846.16003	463.144121	344.49832	1135.28325	6538.37361
133286.904	132922.982	146516.837	137238.315	144709.069	124262.211	138428.492	129600.697	137986.6	130120.473	132934.91
347.101312	353.518569	351.359321	350.097742	354.67909	353.017644	354.037063	352.175807	325.440094	353.588241	353.550292
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6

367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
140.901667	102.071435	107.197393	100.869502	207.402529	239.043956	174.20418	162.211291	126.162838	170.542487	223.991188
32.48481	31.65745	31.611577	31.550489	32.336739	32.487098	32.176618	32.249358	33.311334	32.97471	33.004188
1266823.46	1353327.89	1480089.45	1485320.66	2270683.86	1852202.6	1675861.52	1514814.12	1254947.83	1248134.44	1394832.36
1037719.26	1176539.65	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
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1375.81	1415.31	1456.32	1355.77	1878.83	1714.49	1674.64	1495.48	1404.5	1613.9	1892.76
139983.895	181659.152	86808.305	22140.3451	200264.084	199458.719	212006.651	335026.846	112518.747	78536.2026	33630.6118
163102.346	201007.158	99648.7687	24411.9017	257363.413	257239.96	261992.048	403153.62	126846.594	91674.8223	40580.9121
9.38959	9.876856	10.581648	4.522293	12.419127	14.399655	13.547532	16.507317	8.065008	9.290913	7.862951
3998.27273	5486.33328	2620.14902	666.898529	4902.69307	4868.05213	5938.06277	9651.28622	3300.01802	2040.63395	655.412392
24.695559	24.434326	27.023747	27.733272	42.433277	41.923697	33.606016	30.027498	24.953746	27.481134	38.684999
24.428693	24.23451	26.960135	27.719637	42.367967	41.875106	33.514103	29.731977	24.831271	27.374674	38.656087
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
98.547989	110.350484	109.268997	117.058117	170.119529	159.520272	130.289631	124.412451	84.737867	99.370054	109.066202
-446843.27	-416176.26	-400973.35	-338967.47	536879.503	244668.783	-158863.55	-233663.6	-501833.74	-410183.69	-296991.78
-446843.27	-416176.26	-400973.35	-338967.47	536879.503	244668.783	-158863.55	-233663.6	-501833.74	-410183.69	-296991.78
33844.1553	36005.4487	42945.023	45219.8835	64506.0749	51283.0839	45005.1832	36132.4958	32628.838	34527.5461	40353.4796
1083435.23	1131468.02	1351158.95	1421110.44	2031778.82	1616145.01	1424798.99	1140306.92	1079778.36	1127877.33	1323159.67
22.12	22.19	21.57	8.51	103.77	80.73	56.66	50.54	13.63	16.06	11.78
229104.204	176788.234	138194.022	76699.2349	-907388.92	-545974.93	-127063.58	-24273.481	293167.031	198936.366	65128.2738
66001.8581	-24218.924	38545.2535	52287.3332	-1164752.3	-803214.89	-389055.63	-427427.1	166320.437	107261.543	24547.3616
304.47	274.95	342.12	356.8	268.12	225.28	260.27	219.76	348.92	318.3	353.77
0.011126		0.000218	0.007189				0.000494	0.052744		
192854.457	202729.207	257596.447	277932.808	318732.237	260009.891	245320.757	201263.552	178737.781	213413.014	267672.705
4.69	3.64	4.03	4.45	4.86	3.99	3.88	3.93	5.31	3.72	3.64
43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
1484562.53	1592715.92	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87
1484562.53	1592715.92	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87
1173876.16	1261820.14	1381850.38	1386967.8	2128704.21	1733447.02	1569557.39	1414253.14	1143061.11	1157339.1	1299245.61
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
1484562.53	1592715.92	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87

49473.8178	51289.0818	56094.9447	56282.9887	102596.212	81724.3497	67081.4839	60913.869	49222.1689	49035.531	57396.7647
56.05	78.74	52.22	26.26	35.85	45.91	74.91	97.29	50.74	33.53	10.14
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
1769.80817	1635.66608	2658.5946	3138.39004	2039.14638	1726.10242	1813.15531	1151.27224	2464.20886	2085.90034	3293.85432
-74836.828	-74889.642	-95661.039	-105794.19	-110907.99	-91451.935	-89448.004	-74064.504	-84871.85	-77927.443	-96374.516
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
304.55	274.08	340.99	356.04	265.85	223.3	259.24	218.96	358.73	317.46	353.41
169.961058	140.59639	169.658075	205.250791	187.531961	182.223411	156.987121	130.179736	157.389539	177.028007	216.761991
66.693269	61.913413	82.02543	102.388263	67.517459	75.413836	70.44173	51.178041	71.628548	69.915046	107.523945
20740.2423	17211.284	28395.4425	36993.23	20101.3467	18159.6017	18838.0894	11456.6486	25863.3347	22525.8004	38224.3437
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1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
2036681.22	2175748.85	3103818.6	3726629.72	5122630.1	3874185.56	3155378.32	2365359.81	2427979.83	2361601.33	3461555.57
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
1769.80817	1635.66608	2658.5946	3138.39004	2039.14638	1726.10242	1813.15531	1151.27224	2464.20886	2085.90034	3293.85432
-74836.828	-74889.642	-95661.039	-105794.19	-110907.99	-91451.935	-89448.004	-74064.504	-84871.85	-77927.443	-96374.516
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
304.55	274.08	340.99	356.04	265.85	223.3	259.24	218.96	358.73	317.46	353.41
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66.693269	61.913413	82.02543	102.388263	67.517459	75.413836	70.44173	51.178041	71.628548	69.915046	107.523945

20740.2423	17211.284	28395.4425	36993.23	20101.3467	18159.6017	18838.0894	11456.6486	25863.3347	22525.8004	38224.3437
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1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
2036681.22	2175748.85	3103818.6	3726629.72	5122630.1	3874185.56	3155378.32	2365359.81	2427979.83	2361601.33	3461555.57
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01

252740.196	275766.011	314128.128	301115.562	342772.39	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
1319.95019	1395.30564	1375.03763	1123.23132	1267.08779	1172.98778	1477.03512	1724.64143	1823.15411	1246.59679	828.129665
6465.59723	7054.64342	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.86301	8924.26797	6330.36018	5129.67341
142276.501	172527.952	206576.978	207394.408	362321.64	276975.677	248289.561	241287.753	201093.409	148420.28	132542.629
6465.59723	7054.64342	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.86301	8924.26797	6330.36018	5129.67341
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74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
252740.196	275766.011	314128.128	301922.173	361976.743	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
252740.196	275766.011	314128.128	301922.173	361976.743	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
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252740.196	275766.011	314128.128	301922.173	361976.743	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
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6465.59723	7054.64342	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.86301	8924.26797	6330.36018	5129.67341
142276.501	172527.952	206576.978	207394.408	362321.64	276975.677	248289.561	241287.753	201093.409	148420.28	132542.629
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246947.783	269532.277	306746.453	294105.795	333520.212	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
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7269.58444	7934.42086	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
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23.160076	17.943893	24.453872	19.155614	40.490206	39.532813	36.668843	28.005261	22.950508	20.412428	20.531356
2.779209	0.717755	0.733616	0.95778	1.619608	1.185984	1.466753	3.920736	13.311295	0.408248	1.437194
7269.58444	7934.42086	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
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246947.783	269532.277	306746.453	294105.795	333520.212	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
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1.36	0.12	0.09	0.43	0.26	0.08	0.16	0.41	10.71	0.11	0.31
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
7269.58444	7934.42086	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
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801.930547	640.029856	684.773731	664.291741	720.74438	677.870488	881.159932	1040.72321	901.937814	940.898172	786.402507

2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
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2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
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153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
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74836.8278	69304.4016	95661.0391	105794.19	110907.994	91451.935	89448.0036	73176.6577	77516.6148	76453.1228	96374.5159
153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
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153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
65711.1974	59622.8668	77409.4701	93349.9768	154599.648	125683.418	116391.584	113344.905	78673.9578	88613.521	100114.784
-87636.267	-66258.062	-78681.576	-84910.495	-40865.735	-49339.3	-83184.823	-94140.265	-100984.95	-106268.38	-98657.15
153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934

271519.18	325665.131	324207.97	288280.221	360760.794	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
1425.98313	1658.07497	1425.04477	1084.34795	1343.59323	852.919092	1490.0234	1754.58404	1560.97775	1393.28224	954.827856
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
76377.318	102431.54	106612.904	99249.484	192939.3	101754.199	125900.008	123800.012	87536.0599	81236.3876	74781.4953
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
9.176913	11.24115	10.090553	9.578677	11.87783	7.868988	10.851293	12.028491	9.254643	9.816335	8.063404
-195141.86	-223233.59	-217595.07	-190087	-189235.51	-116983.54	-209158.32	-225759.48	-222339.76	-204035.76	-164642.93
-195141.86	-223233.59	-217595.07	-190087	-189235.51	-116983.54	-209158.32	-225759.48	-222339.76	-204035.76	-164642.93
3523.93484	4226.67269	4207.7608	3741.33299	4572.18639	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
271519.18	325665.131	324207.97	288280.221	360760.794	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
195141.862	223233.591	217595.065	190087.003	189235.515	116983.537	209158.324	225759.484	222339.761	204035.759	164642.928

195141.862	223233.591	217595.065	190087.003	189235.515	116983.537	209158.324	225759.484	222339.761	204035.759	164642.928
74610.1025	74889.6418	95552.4647	104968.696	110144.476	91451.935	89448.0036	74041.9819	84821.9502	77780.3831	95056.6813
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
76377.318	102431.54	106612.904	99249.484	192939.3	101754.199	125900.008	123800.012	87536.0599	81236.3876	74781.4953
-195141.86	-223233.59	-217595.07	-190087	-189235.51	-116983.54	-209158.32	-225759.48	-222339.76	-204035.76	-164642.93
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
924554.623	996844.347	1101173.6	1061762.05	1232518.78	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
4837.6365	5057.35133	4827.61675	3969.0312	4564.32301	3844.77989	5285.40854	6196.00231	6059.15868	4796.18309	3373.74754
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
444322.403	528619.036	622715.013	633079.537	1117003.33	815604.956	769583.585	749342.932	593192.181	485270.978	456214.326
23.160076	17.943893	24.453872	19.155614	40.490206	39.532813	36.668843	28.005261	22.950508	20.412428	20.531356
2.779209	0.717755	0.733616	0.95778	1.619608	1.185984	1.466753	3.920736	13.311295	0.408248	1.437194
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
52.740703	57.640715	58.322718	60.300197	67.633125	62.526276	65.485245	71.943911	62.21622	56.723087	47.331629
-480232.22	-468225.31	-478458.58	-431337.61	-174863.22	-176282.41	-425288.43	-488099.62	-612635.29	-503559.01	-393463.72
-480232.22	-468225.31	-478458.58	-431337.61	-174863.22	-176282.41	-425288.43	-488099.62	-612635.29	-503559.01	-393463.72
20252.4303	21672.9091	24320.5736	23581.0764	26300.5721	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
924554.623	996844.347	1101173.6	1061762.05	1232518.78	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
480232.22	468225.312	478458.583	431337.606	174863.222	176282.407	425288.428	488099.623	612635.287	503559.014	393463.717
480232.22	468225.312	478458.583	431337.606	174863.222	176282.407	425288.428	488099.623	612635.287	503559.014	393463.717
1.36	0.12	0.09	0.43	0.26	0.08	0.16	0.41	10.71	0.11	0.31
299120.586	293973.327	382535.582	422351.266	442868.457	365807.74	357792.014	295347.647	332082.265	310088.391	384180.229
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
444322.403	528619.036	622715.013	633079.537	1117003.33	815604.956	769583.585	749342.932	593192.181	485270.978	456214.326

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924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
11.202277	11.088199	11.085489	11.006589	10.723338	10.766346	10.921598	10.932445	11.204494	11.229205	11.105559
0.283774	0.312048	0.311009	0.334304	0.479367	0.451731	0.368066	0.353095	0.260329	0.28087	0.308425
0.268449	0.3006	0.29837	0.318872	0.463414	0.434541	0.35401	0.338906	0.23083	0.270689	0.297102
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
2362944.52	2459428.38	3066525.92	3333514.97	3826114	3061806.86	3036609.01	2612555.39	2781810.29	2571747.08	3026534.27
12173.5404	12377.3499	13338.5244	12342.7106	14065.1184	11789.0337	13315.2201	13000.6295	13909.4662	12172.3565	11731.325
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0.034957	0.03321	0.035902	0.033429	0.030855	0.0361	0.033956	0.036198	0.035984	0.033174	0.036165
421054.318	458376.634	503198.875	501855.042	737691.081	600285.498	553286.541	499003.457	400882.585	409152.459	454487.099
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2.783558	2.744365	2.740866	2.755396	2.879792	2.883777	2.826887	2.828725	2.850683	2.818769	2.847691
672027.723	729914.516	798838.984	805553.577	1165604.84	945254.357	889454.509	801981.195	664268.651	652488.592	718066.677
675.62589	1.199303	153.487359	46.134399	8838.9758	5207.69141	846.16003	463.144121	344.49832	1135.28325	6538.37361
133286.904	132922.982	146516.837	137238.315	144709.069	124262.211	138428.492	129600.697	137986.6	130120.473	132934.91
347.101312	353.518569	351.359321	350.097742	354.67909	353.017644	354.037063	352.175807	325.440094	353.588241	353.550292
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6
367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
140.901667	102.071435	107.197393	100.869502	207.402529	239.043956	174.20418	162.211291	126.162838	170.542487	223.991188
32.48481	31.65745	31.611577	31.550489	32.336739	32.487098	32.176618	32.249358	33.311334	32.97471	33.004188
1266823.46	1353327.89	1480089.45	1485320.66	2270683.86	1852202.6	1675861.52	1514814.12	1254947.83	1248134.44	1394832.36
1037719.26	1176539.65	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
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1482041.66	1705158.69	1964610.44	2041700.96	4295076.1	3213782.49	2572508.69	2288430.53	1554972.98	1534469.05	1785918.42
1375.81	1415.31	1456.32	1355.77	1878.83	1714.49	1674.64	1495.48	1404.5	1613.9	1892.76
139983.895	181659.152	86808.305	22140.3451	200264.084	199458.719	212006.651	335026.846	112518.747	78536.2026	33630.6118
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563

304.55	274.08	340.99	356.04	265.85	223.3	259.24	218.96	358.73	317.46	353.41
169.961058	140.59639	169.658075	205.250791	187.531961	182.223411	156.987121	130.179736	157.389539	177.028007	216.761991
5.557772	5.628492	9.113936	11.376473	5.626454	6.284486	5.870144	4.264836	5.969045	5.826253	8.960328
20,740.24	17,211.28	28,395.44	36,993.23	20,101.35	18,159.60	18,838.09	11,456.65	25,863.33	22,525.80	38,224.34
163102.346	201007.158	99648.7687	24411.9017	257363.413	257239.96	261992.048	403153.62	126846.594	91674.8223	40580.9121
5.477261	5.387376	4.702955	2.009908	7.244491	8.399799	7.902727	9.629268	4.704588	5.419699	4.586721
3,998.27	5,486.33	2,620.15	666.90	4,902.69	4,868.05	5,938.06	9,651.29	3,300.02	2,040.63	655.41
24.793134	24.370354	26.950485	27.621004	42.41092	41.953457	33.700562	30.052953	24.785302	27.455217	38.464532
24.533363	24.172888	26.886983	27.607524	42.346171	41.904919	33.608877	29.768907	24.686665	27.349092	38.435761
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-82.072084	-82.627482	-75.22623	-68.553388	-72.375338	-72.779767	-78.270163	-85.139338	-82.755559	-80.539893	-70.863633
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54096.5855	57678.3578	67265.5966	68800.9599	90806.647	73292.3333	70609.9142	62607.8553	59008.5154	55401.6423	58150.1722
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5922210.67	5947228.49	6931687.83	6988921.26	7655169.31	6352341.64	6713472.69	6046076.9	6814532.76	6060753.81	6593184.75
6114062.99	6077337.35	7446232.44	7815151.84	7959622.29	6548876.16	6868418.65	5877729.19	7183890.64	6424118.75	7406300.4
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566811.87	571592.176	735793.069	806078.264	872508.689	717269.566	692560.775	570675.703	595691.896	601428.848	748227.45
4.69	3.64	4.03	4.45	4.86	3.99	3.88	3.93	5.31	3.72	3.64
43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
7621991.39	7891775.2	9159077.6	9292890.45	12320754.8	9867430.28	9571908.52	8592444.52	8578172.45	7806470.19	8610966.67
4090843.71	4434193.09	5333667.61	5687993.28	8493873.52	6565807.19	5895100.99	5140747.65	4601217.37	4354773.33	5084232.92
1173876.16	1261820.14	1381850.38	1386967.8	2128704.21	1733447.02	1569557.39	1414253.14	1143061.11	1157339.1	1299245.61
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43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
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49473.8178	51289.0818	56094.9447	56282.9887	102596.212	81724.3497	67081.4839	60913.869	49222.1689	49035.531	57396.7647
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
444322.403	528619.036	622715.013	633079.537	1117003.33	815604.956	769583.585	749342.932	593192.181	485270.978	456214.326
-480232.22	-468225.31	-478458.58	-431337.61	-174863.22	-176282.41	-425288.43	-488099.62	-612635.29	-503559.01	-393463.72
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043

2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06
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-3826881.3	-3601770.6	-3676807.5	-3751844.4	-3676995.1	-4056494.2	-3367655.5	-3597268.4	-3520730.8	-4056494.2	-3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8

25.654276	22.584293	25.044375	26.344338	27.504335	40.949417	37.339389	30.349391	28.659413	22.66948	23.669404
23.307205	23.307185	23.307106	23.307185	23.307086	23.773308	23.77323	23.773288	23.773327	23.773288	23.773308
25.530663	22.460674	24.920722	26.220701	27.380699	40.823716	37.213699	30.223701	28.533714	22.543754	23.543708
25.62575	22.555766	25.01584	26.315807	27.475804	40.920409	37.310383	30.320386	28.630405	22.640467	23.640397
24.912603	21.842577	24.30246	25.602512	26.762517	40.195212	36.585253	29.595249	27.905218	21.915121	22.915231
25.188353	22.118343	24.5783	25.878319	27.038321	40.475622	36.865637	29.875635	28.185624	22.195588	23.195629
25.606732	22.536747	24.996816	26.296785	27.456783	40.90107	37.291046	30.301049	28.611067	22.621124	23.621059
25.644767	22.574784	25.034863	26.334828	27.494825	40.939747	37.32972	30.339723	28.649744	22.659809	23.659735

21.475371	21.475371	21.475371	21.475371	21.475371	21.904879	21.904879	21.904879	21.904879	21.904879	21.904879
1.18	1.18	1.18	1.18	1.18	1.22	1.22	1.22	1.22	1.22	1.22
25.35	22.28	24.74	26.04	27.2	40.64	37.03	30.04	28.35	22.36	23.36
4.793281	4.778652	4.848472	5.634785	6.290948	6.142415	6.185218	5.552759	5.042577	4.751455	4.770981
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
0.033799	0.032395	0.028418	0.022875	0.02602	0.033985	0.036051	0.03218	0.034945	0.02915	0.028152
8869.725	8360.1	8569.35	8794.125	8590.5	9215.775	7634.475	8187.75	7990.65	9261.9	8046.9
21.739522	21.771093	21.860586	21.930486	21.91454	21.735318	21.688849	21.834	21.713722	21.844103	21.866576
9180	8640	8820	9000	8820	9540	7920	8460	8280	9540	8280
22.5	22.5	22.5	22.44389	22.5	22.5	22.5	22.56	22.5	22.5	22.5

4.2	7.76				5.88	5.56	0.94		7.68	7.08

4.33274	4.05017	1.13028	1.41285	0.65933	7.44101	7.346819	6.781679	5.93397	2.44894	3.67341
0.021813	0.017836	0.001679	0.001463	0.000343	0.096848	0.08465	0.027966	0.026219	0.011703	0.014906
0.020857	0.017057	0.001581	0.0014	0.000331	0.093867	0.082301	0.027047	0.025407	0.01132	0.014184
17115.0014	3913.57801	1056.7184	355.990465	295.479873	55333.0408	27123.7183	6675.22904	2271.97262	6888.29517	8608.70575
58.321044	15.681847	4.934666	1.378825	0.959968	192.563749	99.964387	26.657838	10.202327	31.609642	32.694219
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76

0.032009	0.040312	0.031989	0.035225	0.024668	0.02849	0.031505	0.033351	0.029782	0.031344	0.03326
4649.03002	3578.2781	338.70724	305.92912	71.01926	21742.8196	15826.3689	5555.89134	5107.9237	2622.2496	2851.69644
23465.1465	17253.535	1617.03971	1689.95503	436.141437	107830.487	77591.9126	27660.8621	26680.3804	11704.6473	14488.5142
2.280994	2.095156	0.582239	0.856219	0.454726	3.930156	3.854322	3.506247	3.234189	1.203716	1.928028
2853.96012	661.582247	181.014172	52.524238	43.367808	9274.09939	4516.53696	1194.12137	374.48295	1268.55382	1439.61012
22906.52	21374.16	22008.68	22382.78	22175.14	23891.36	19772.78	21080.68	20708.32	23821.18	20634.08
56.143431	55.661875	56.144591	55.817406	56.569234	56.347547	56.17267	56.215146	56.272608	56.182028	56.070869
23664	22272	22736	23200	22736	24592	20416	21808	21344	24592	21344
58	58	58	57.855361	58	58	58	58.154666	58	58	58
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
25.478166	23.531977	6.534013	9.492081	4.880168	44.1278	43.337125	39.694962	36.104301	13.769728	21.629527
25.478166	23.531977	6.534013	9.492081	4.880168	44.1278	43.337125	39.694962	36.104301	13.769728	21.629527
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
32751.6256	24922.7558	2062.00822	2069.5444	521.520878	146749.37	113237.639	38011.1975	35627.075	16115.5791	20769.7507
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.84689	1897.57785	3606.15119
32751.6256	24922.7558	2062.00822	2069.5444	521.520878	146749.37	113237.639	38011.1975	35627.075	16115.5791	20769.7507
196.53	112.71	148.34	116.73	118.52	260.3	216.56	201.04	172.14	113.64	133.13
10631.9697	16638.6686	876.008518	1628.91576	204.977763	73050.587	65319.2049	26263.4534	29222.2555	7329.70611	8554.89375
12527.3941	20346.4357	927.053247	1682.35941	214.026508	83334.8851	79979.3607	30173.2238	33098.3958	8354.56938	10444.1639
13.176142	21.007164	4.145928	8.094344	2.618253	31.422664	36.412043	36.311021	34.829838	9.644634	13.935002
190.579668	309.660882	16.742018	26.903586	2.935709	1323.78386	1200.74657	463.082064	502.54175	143.719691	149.918921
57.327421	56.556063	56.112095	66.502373	70.615127	57.670839	56.93864	58.184257	58.779485	53.678448	57.314116
26.339141	15.825285	4.478048	4.591813	4.943058	45.454328	43.732072	32.388826	18.214008	13.830777	20.020358
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
1.209754	0.989322	0.091734	0.080997	0.019234	5.444339	4.773465	1.57296	1.473641	0.656603	0.822717
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.84689	1897.57785	3606.15119
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.84689	1897.57785	3606.15119
303.000331	70.239117	19.217981	5.576413	4.60429	984.616136	479.513425	126.777935	39.758249	134.680308	152.841078
17115.0014	3913.57801	1056.7184	355.990465	295.479873	55333.0408	27123.7183	6675.22904	2271.97262	6888.29517	8608.70575
4.15	4	0.36	0.5	0.08	25.59	15.61	6.63	7.94	3.1	2.83
-5004.6545	-4370.5092	-129.28131	-84.638166	-21.063241	-18365.743	-20794.715	-5072.5151	-4132.8469	-1897.5778	-3606.1512
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2.29	0.59	0.25	0.06	0.05	5.7	2.42	0.63	0.31	0.87	0.91
2418.4737	1463.3149	134.2062	138.0482	39.0567	11227.4782	7669.0841	2484.5271	2028.9588	1042.9164	1338.8553
0.16	0.13	0.02	0.04		1.03	0.51	0.32	0.21	0.2	0.09

71.5872	58.1646	8.9484	17.8968		470.0611	232.7487	146.0384	95.8377	91.274	41.0733
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
23465.1465	17253.535	1617.03971	1689.95503	436.141437	107830.487	77591.9126	27660.8621	26680.3804	11704.6473	14488.5142
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
71.5872	58.1646	8.9484	17.8968		470.0611	232.7487	146.0384	95.8377	91.274	41.0733
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
4210.2374	3240.547	306.7388	277.0544	64.3162	20083.08	14618.262	5131.782	4718.01	2422.08	2634.012
					0.29	0.6	0.47			
11.172767	11.198175	11.139212	11.11809	11.080933	10.792951	10.859134	10.978575	11.026887	11.250843	11.252077
0.522149	0.520442	0.527797	0.54515	0.581051	0.790363	0.731861	0.630944	0.59841	0.491039	0.488031
0.505996	0.49854	0.27164	0.523218	0.563462	0.765714	0.705499	0.608424	0.579396	0.47432	0.470628
783548.657	617670.446	327706.542	724391.087	827832.073	1165254.86	863217.257	727858.752	550540.161	778299.466	665281.875
3125.53428	3085.7585	1564.35492	3083.96759	3007.88763	4196.61521	3267.65436	3135.73568	2666.33519	3816.23052	3083.67084
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
0.031764	0.040572	0.035459	0.04045	0.031198	0.032287	0.035625	0.036223	0.032635	0.034103	0.036576
255450.006	236835.545	131096.793	257570.918	270216.559	386159.28	297206.795	277481.994	259917.587	250698.314	215995.962
302820.113	279493.719	155797.384	305336.268	320102.826	472981.858	364507.374	340472.596	319183.323	305056.636	264408.549
2.9835	2.9835	2.9835	2.9835	2.9835	3.045099	3.0451	3.0451	3.0451	3.0451	3.0451
460704.087	427132.905	236433.065	464529.151	487335.564	704779.301	542432.122	506432.387	474375.587	457549.494	394214.23
43849.44	40786.95	22357.62	42604.02	42154.47	45544.41	37680.06	40224.18	39514.89	45458.94	39353.94
107.474117	106.216015	57.034744	106.244438	107.536913	107.416061	107.045625	107.26448	107.377418	107.214481	106.940054
45288	42624	43512	44400	43512	47064	39072	41736	40848	47064	40848
111	111	111	110.723192	111	111	111	111.296	111	111	111
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
35.33032	35.513406	36.024008	35.249686	35.026629	34.806735	35.001936	35.386493	35.58742	36.317861	36.323476
34.965932	35.04721	34.864362	34.804523	34.694978	34.52709	34.726562	35.090842	35.237924	35.935328	35.927479
808782.848	750533.609	424036.04	817538.962	854720.239	1246302.01	959572.023	896174.05	840561.38	807980.384	697853.604
680575.473	579663.826	340780.08	699600.674	765933.904	1653425.34	1175039.81	904036.521	793773.446	582462.048	524798.613
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680575.473	579663.826	340780.08	699600.674	765933.904	1653425.34	1175039.81	904036.521	793773.446	582462.048	524798.613
395.04	367.45	201.42	383.82	379.77	410.31	339.46	362.38	355.99	409.54	354.54
17557.0517	123805.862	83908.0582	83573.0153	19814.8467	72689.0512	89756.2661	161452.858	282542.92	21586.7575	25445.3483
19512.6295	145837.981	91715.2341	95770.4569	21974.1075	103760.244	125739.788	201083.063	341790.383	23807.2933	28127.0764

18.449156	33.71272	40.525668	29.543418	15.027951	19.028206	22.756661	34.654387	53.840103	19.129907	23.793394
523.378386	3720.84079	2499.24093	2502.0792	593.540451	2148.82886	2649.76877	4732.74503	8265.0202	639.697955	738.663596
24.508421	21.234409	24.525408	25.392843	27.144705	35.668352	31.648099	27.020274	26.020102	22.069391	22.772954
24.487074	20.95297	24.291833	25.308375	27.122404	35.653376	31.62132	26.886523	25.507088	22.03788	22.716295
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
56.165573	55.338041	30.152051	57.932428	62.544377	84.994283	78.310471	67.715173	64.312956	52.649551	52.239722
-261731.09	-294663.72	-151780.25	-252570.61	-230028.53	205277.873	60117.7968	-137177.37	-182646.86	-356558.34	-285956.08
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22392.1756	17528.9672	9320.36307	20728.8248	23923.8555	33888.7471	24915.5172	20660.445	15402.1478	21683.712	18485.5544
783548.657	617670.446	327706.542	724391.087	827832.073	1165254.86	863217.257	727858.752	550540.161	778299.466	665281.875
4.61	17.84	9.36	19.36	6.78	55.46	46.66	42.73	37.09	3.31	4.07
128207.375	170869.783	83255.9602	117938.288	88786.3356	-407123.33	-215467.79	-7862.47	46787.9341	225518.336	173054.99
108694.745	25031.8022	-8459.2739	22167.8313	66812.2281	-510883.57	-341207.58	-208945.53	-295002.45	201711.042	144927.914
353.13	276.28	138.14	296.59	338.48	274.26	215.39	228.16	207.53	367.87	314.39
	0.002604	0.466836								
95650.5894	71076.6897	39587.689	86879.6978	101593.651	110665.659	86933.1651	81228.8416	70932.3871	81303.777	74320.9034
0.89	1.05	1.44	1.11	0.82	0.95	0.75	0.78	0.85	0.92	0.81
7677.14	9057.3	12421.44	9574.86	7073.32	8358.1	6598.5	6862.44	7478.3	8094.16	7126.38
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.303	939020.393	810754.693
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.303	939020.393	810754.693
763524.2	706626.624	392230.449	769865.42	807438.39	1177761.16	906939.496	846904.983	793558.91	762606.129	658622.78
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
7677.14	9057.3	12421.44	9574.86	7073.32	8358.1	6598.5	6862.44	7478.3	8094.16	7126.38
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.303	939020.393	810754.693
37581.5086	34849.6851	19384.1506	38098.6826	40208.5294	60182.7519	46034.0276	42406.6273	39524.1706	37280.0947	32104.4441
18.01	54.78	41.49	53.98	24.24	29.86	39.33	71.14	91.14	22.83	20.87

0.029901	0.023125	0.021454	0.032525	0.031709	0.023632	0.027386	0.03	0.028315	0.029339	0.038315

1187.4	1125.36	1150.77	1160.97	1138.71	1241.94	1027.08	1094.16	1072.74	1234.68	1061.7
2.910294	2.930625	2.935637	2.895187	2.904872	2.929103	2.91784	2.91776	2.915054	2.911981	2.885054
1224	1152	1176	1200	1176	1272	1056	1128	1104	1272	1104
3	3	3	2.992518	3	3	3	3.008	3	3	3

11.590524	11.774371	11.543026	11.506495	11.444647	11.278546	11.323032	11.444074	11.472089	11.736065	11.711389
0.660034	0.608255	0.689335	0.70269	0.722974	0.842463	0.810119	0.746828	0.720802	0.598355	0.608143
0.629415	0.533608	0.659146	0.66598	0.637871	0.805874	0.767677	0.714598	0.682351	0.365496	0.582941
301500.826	241518.345	301555.774	309579.453	288338.106	397254.683	315334.477	316872.117	297219.878	186893.715	259866.569
1208.64376	1225.46973	1485.8705	1323.33092	1047.43814	1434.82461	1199.46714	1375.51305	1450.83521	917.031381	1201.34385
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0.044387	0.048489	0.042882	0.05105	0.043163	0.043891	0.05517	0.044308	0.051603	0.050589	0.042554
127484.191	102293.02	127487.193	130938.927	121950.846	164365.965	130423.555	131072.404	123048.967	77718.6138	107652.542
151071.823	120867.428	151050.628	154952.846	144236.344	201324.654	159907.534	160806.807	150761.171	94559.4441	131975.436
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138613.561	111223.201	138616.825	142369.896	132597.155	179914.985	142761.623	143471.853	134689.399	85070.7946	117836.472
16724.85	14445.85	16133.17	16281.09	14840.59	17431.77	14300.94	15451.62	14966.58	11146.46	15150.62
40.992279	37.619401	41.156045	40.601221	37.858647	41.112665	40.62767	41.20432	40.670054	26.28882	41.170163
17544	16512	16856	17200	16856	18232	15136	16168	15824	18232	15824
43	43	43	42.892768	43	43	43	43.114666	43	43	43
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
27.87871	29.023445	27.702974	27.712151	27.933753	27.610971	27.860249	28.100712	28.143789	29.487293	28.779477
27.337781	27.757289	27.232792	27.151404	27.014458	27.182849	27.285633	27.565366	27.632333	28.260102	28.186355
307004.585	250947.266	306590.22	315381.866	297212.385	403086.108	320948.312	322311.879	302311.496	194726.973	264871.151
315453.937	234982.446	305932.486	327746.438	321212.257	643876.725	471209.07	389331.971	343139.537	169815.086	247220.552
8449.35197	-15964.82	-657.73436	12364.5721	23999.872	240790.617	150260.758	67020.0917	40828.0417	-24911.888	-17650.599
315453.937	234982.446	305932.486	327746.438	321212.257	643876.725	471209.07	389331.971	343139.537	169815.086	247220.552
388.95	335.95	375.19	378.63	345.13	405.39	332.58	359.34	348.06	259.22	352.34

24.308419	20.580054	24.510668	25.63179	26.711092	33.960531	38.484299	28.11244	28.387354	20.398408	21.41463
6.806357	7.203018	20.834068	7.176901	6.677773	7.471316	10.39076	8.152607	7.380712	13.054981	14.347802
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
27.064877	22.945182	28.343316	28.56576	27.428494	34.652594	33.010113	30.80968	29.341114	15.716367	25.066467
-58186.634	-69433.382	-67295.29	-56077.205	-39743.835	154876.527	82088.3658	-1491.4538	-23489.653	-65535.407	-73920.582
-58186.634	-69433.382	-67295.29	-56077.205	-39743.835	154876.527	82088.3658	-1491.4538	-23489.653	-65535.407	-73920.582

11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
301500.826	241518.345	301555.774	309579.453	288338.106	397254.683	315334.477	316872.117	297219.878	186893.715	259866.569
-8449.352	15964.8201	657.734356	-12364.572	-23999.872	-240790.62	-150260.76	-67020.092	-40828.042	24911.8876	17650.5988
-8449.352	15964.8201	657.734356	-12364.572	-23999.872	-240790.62	-150260.76	-67020.092	-40828.042	24911.8876	17650.5988
3.02	3.89	31.33	3.26	2.87	2.19	2.64	3.58	2.47	12.07	11.18
0.00245	0.080729		0.0025	0.079081				0.002717	0.356132	
93531.9728	61990.3188	73793.3145	84843.42	88386.8012	108502.823	84020.8372	79692.1765	68597.1569	49605.6373	72934.6548
1.29	2.21	1.18	1.36	2.08	1.34	1.29	1.25	1.17	1.8	1.15
5503.7592	9428.9208	5034.4464	5802.4128	8874.2784	5831.4254	5613.8349	5439.7625	5091.6177	7833.258	5004.5815
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.191	235350.493	321141.135
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.191	235350.493	321141.135
289685.383	232090.629	289667.453	297322.742	276833.498	381239.64	302669.157	304278.66	285450.57	179630.239	249811.908
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
5503.7592	9428.9208	5034.4464	5802.4128	8874.2784	5831.4254	5613.8349	5439.7625	5091.6177	7833.258	5004.5815
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.191	235350.493	321141.135
11815.4429	9427.7165	11888.3206	12256.7109	11504.6079	16015.043	12665.3204	12593.4567	11769.3077	7263.4766	10054.6614
0.019191	0.028541	0.026173	0.030475	0.029719	0.024716	0.037187	0.029521	0.021875	0.022193	0.044239
1200.51	1119.12	1145.22	1163.43	1141.05	1240.56	1016.73	1094.7	1079.85	1243.77	1055.16
2.942426	2.914375	2.921479	2.901321	2.910841	2.925849	2.888437	2.9192	2.934375	2.933419	2.867282
1224	1152	1176	1200	1176	1272	1056	1128	1104	1272	1104
3	3	3	2.992518	3	3	3	3.008	3	3	3

4.357333	2.535774	0.14	8.277636	8.896725	5.905401	3.088224	1.41001	2.675138
0.004387	0.00488	0.000023	0.016878	0.025959	0.005453	0.002559	0.001711	0.003586
0.004333	0.004703	0.00002	0.016386	0.025261	0.005292	0.00251	0.001679	0.003543
1400.9237	284.119404		3197.43495	2346.91252	414.308204	55.249826	142.566346	932.25956
4.566411	1.12621		11.108247	8.756791	1.635654	0.247215	0.636628	3.343267

88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
0.025036	0.033828	0.033992	0.031262	0.034362	0.027429	0.022741	0.027234	0.037133	0.033691	0.028084
1248.4	1284.3	5.6			4885.8	6305.4	1404.7	651	503.2	922.4
6293.50543	6158.20587	30.657733			20580.6708	27812.9768	6050.8535	3407.83115	2118.98833	4667.2943
1.552992	0.865789	0.054745			2.598953	2.889048	1.848791	1.137548	0.440625	0.949397
270.990607	57.837641				787.160305	498.580378	103.04042	10.266413	31.674408	195.413158
19955.4	18482.4	18934.8	19377.6	18929.8	20624.2	17187.6	18261.9	17678.8	20502.7	17937.7
48.910294	48.13125	48.303061	48.323192	48.290306	48.641981	48.828409	48.6984	48.040217	48.355424	48.74375
20400	19200	19600	20000	19600	21200	17600	18800	18400	21200	18400
50	50	50	49.875311	50	50	50	50.133333	50	50	50
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
31.418022	17.052856	0.766443			46.455038	63.268967	34.946311	18.757115	9.080194	19.199498
21.858212	12.242737	0.766443			37.149988	41.022109	26.184864	16.125376	6.228898	13.393601
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
7054.07212	7311.61294	33.159429			22938.8024	33281.3696	6860.53625	3778.58277	2371.83742	5455.62683
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.059622	240.909091	779.386527
7054.07212	7311.61294	33.159429			22938.8024	33281.3696	6860.53625	3778.58277	2371.83742	5455.62683
307.94	147.59	131.27	96	102.95	277.74	276.99	225.79	158.25	178.9	198.11
4901.85473	5887.14147	30.657733			17624.4678	25583.4063	5676.2273	3364.27332	1988.36198	3743.98074
5515.43387	6977.39047	33.159429			19315.6854	30519.6845	6393.62977	3722.17219	2226.40629	4339.43544
5.71039	3.838013	0.4			11.640821	13.424078	8.368921	4.417706	2.056977	3.574149
69.098127	86.168739	0.4			291.372038	409.072586	92.139969	45.466684	33.337542	51.434774
72.661857	70.135195				62.022495	71.273588	59.59687	75.893596	61.947634	72.333405
12.352515	4.208111				20.431775	21.366852	6.49834	2.276807	3.097381	7.23334
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
0.216666	0.235156	0.00102			0.819339	1.263068	0.265333	0.125543	0.083962	0.177173
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.059622	240.909091	779.386527
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.059622	240.909091	779.386527
19.301872	4.13126				56.027961	35.527413	7.36003	0.733315	2.262457	13.765225
1400.9237	284.119404				3197.43495	2346.91252	414.308204	55.249826	142.566346	932.25956
1.13	1.24	0.01			4.72	5.81	1.64	0.74	0.6	0.67
-751.29369	-1140.3521	-2.501696			-2116.8996	-5351.0508	-770.00075	-359.05962	-240.90909	-779.38653
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0.2	0.01				0.43	0.22	0.04	0.01	0.02	0.18
706.0124	604.6197	1.9906			2623.4376	3483.8158	683.6992	276.8247	221.2588	480.9575

0.01	0.01				0.42	0.15	0.07	0.02	0.02	0.01
4.881	4.881				232.056	83.862	34.846	9.956	9.956	4.978
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
6293.50543	6158.20587	30.657733			20580.6708	27812.9768	6050.8535	3407.83115	2118.98833	4667.2943
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
4.881	4.881				232.056	83.862	34.846	9.956	9.956	4.978
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
4.392	8.174				9.176	33.48	4.836	1.736	1.984	3.968
					0.02	0.07	0.02			

0.030686	0.024973	0.027551	0.02535	0.034234	0.032735	0.025767	0.031622	0.021711	0.033042	0.032989

1581.92	1497.64	1524.8	1559.44	1514.32	1640.48	1371.72	1456.44	1440.04	1639.96	1423.44
3.877254	3.900104	3.889795	3.888877	3.863061	3.869056	3.896931	3.88384	3.913152	3.86783	3.868043
1632	1536	1568	1600	1568	1696	1408	1504	1472	1696	1472
4	4	4	3.990024	4	4	4	4.010666	4	4	4

10.549824	10.661461	10.507401	10.497966	10.485144	10.228182	10.284529	10.379329	10.416111		10.629468
0.402194	0.396004	0.437301	0.447463	0.476957	0.688802	0.655453	0.539965	0.503172		0.352395
0.377942	0.376454	0.411482	0.426052	0.451777	0.655057	0.622924	0.511888	0.475671		0.181526
289626.705	269404.075	299816.11	317426.917	327526.819	512740.549	406348.38	361247.572	326801.107		128798.585
1140.54984	1345.97388	1468.87976	1348.50289	1189.39642	1850.44909	1547.80106	1557.80457	1589.75919		552.418272
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
0.064705	0.053932	0.062678	0.051	0.058903	0.05033	0.058153	0.053829	0.053559	0.062405	0.057798
94720.0442	88990.1792	98316.1214	103958.71	107258.878	164499.674	130274.223	115780.242	105875.018		41340.8834
112907.002	105200.552	117219.649	123501.968	127333.711	201785.841	160115.389	142636.116	130362.124		50804.9336
2.994199	2.994199	2.994199	2.994199	2.9942	3.056	3.056	3.056	3.056		3.056
171841.104	161445.983	178365.107	188601.891	194589.057	302021.401	239183.474	212572.524	194386.533		75901.8619
22361.76	21288.794	21531.398	22244.56	21618.126	23595.876	19427.658	20847.536	20354.71		11077.158

54.808235	55.439567	54.927035	55.472718	55.14828	55.65065	55.19221	55.593429	55.311711		30.100972
23908.8	22502.4	22971.2	23440	22971.2	24846.4	20627.2	22033.6	21564.8	24846.4	21564.8
58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
36.205853	36.660387	36.195601	34.793608	36.202194	34.262848	34.918297	35.255372	35.222621		42.795335
32.117707	32.456459	31.991002	31.965557	31.928672	31.796271	31.966441	32.257084	32.370353		33.02487
319432.737	297735.885	331461.786	340140.805	360235.029	545923.907	430844.815	388654.593	355658.964		162419.596
293102.698	258287.467	288965.989	317970.08	340156.956	763965.738	564546.294	421740.214	364568.555		121636.025
-26330.039	-39448.418	-42495.797	-22170.725	-20078.072	218041.831	133701.479	33085.6212	8909.59107		-40783.571
293102.698	258287.467	288965.989	317970.08	340156.956	763965.738	564546.294	421740.214	364568.555		121636.025
381.6	363.29	367.43	379.6	368.91	402.66	331.53	355.76	347.13		189.03
0.918016	1816.87066	872.863335	69.743143		18.394531	17.532654	164.371934	3589.31328		61.225796
0.836955	2170.21166	992.469418	67.725003		20.125688	16.794928	178.71309	4514.02979		61.919896
0.025765	5.745613	4.640931	1.451344		0.535187	0.510992	3.113636	7.365437		1.016842
0.025765	59.038273	28.054704	2.025796		0.535187	0.510992	4.788238	113.661527		1.803416
26.058668	21.823367	24.549398	25.419195	27.510114	38.334757	36.963786	29.550687	28.293023		25.561439
23.681546	21.777793	24.545745	23.317523	24.759102	37.557505	32.151252	27.737463	27.948947		20.148723
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
22.147406	22.060239	24.112892	24.904408	26.474163	38.386372	36.503357	30.076629	27.874326		10.637429
-75840.206	-85963.585	-93885.633	-76509.942	-76142.288	132057.852	65607.1431	-27432.711	-46431.281		-62392.451
-75840.206	-85963.585	-93885.633	-76509.942	-76142.288	132057.852	65607.1431	-27432.711	-46431.281		-62392.451
9036.11623	8412.09373	9424.1993	9984.6422	10377.872	16275.2868	12848.671	11273.9478	10144.0905		3912.77058
289626.705	269404.075	299816.11	317426.917	327526.819	512740.549	406348.38	361247.572	326801.107		128798.585
	0.05	0.31	0.02		0.04		0.09	0.34		
26330.039	39448.4181	42495.7966	22170.7246	20078.0722	-218041.83	-133701.48	-33085.621	-8909.5911		40783.5708
26329.202	37278.2065	41503.3272	22102.9996	20078.0722	-218061.96	-133718.27	-33264.334	-13423.621		40721.6509
20.38	23.13	166.25	25.62	18.41	21.54	18.76	19.8	18.71		11.22
								0.002717	1	0.453804
85597.8175	65776.7886	67155.5575	80772.9054	89413.1348	99934.74	78736.1637	74087.0798	64953.9769		37101.6098
1.54	1.37	1.59	1.17	1.69	1.68	1.24	1.38	1.28		1.7
29805.1138	26514.9389	30772.8123	22644.1449	32708.2093	33164.964	24478.902	27242.649	25268.544		33559.785
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.836		184028.476
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.836		184028.476
284748.107	266646.535	295584.756	312103.859	321922.768	503807.241	399298.863	355208.639	324748.656		126706.796
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574

29805.1138	26514.9389	30772.8123	22644.1449	32708.2093	33164.964	24478.902	27242.649	25268.544		33559.785
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.836		184028.476
4879.51668	4574.41128	5104.21716	5392.80072	5604.05088	8951.7021	7067.0501	6203.3048	5641.7636		2153.0157
0.01	0.57	2.01	0.18		0.04	0.05	0.26	1.06		0.09
3.15	1.65				5.7	7.35	3.45	1.05	0.75	2.25
0.002964	0.003998				0.010444	0.020463	0.002932	0.001419	0.000962	0.002913
0.002769	0.003932				0.010117	0.020056	0.002792	0.001385	0.000919	0.00288
166.044961	22.567256				372.554109	187.153703	23.587563			211.727612
0.527827	0.073418				1.269832	0.709884	0.087938			0.774098
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
0.037696	0.03276	0.030382	0.030625	0.033163	0.023962	0.021875	0.02992	0.031847	0.033231	0.025054
237.3	317.1				900.9	1482.6	220.5	107.1	81.9	222.6
1199.11955	1523.58543				3616.65812	6343.92346	933.31668	559.418607	338.370777	1130.12788
1.057613	0.537371				1.581993	2.179415	1.018997	0.364247	0.212935	0.758261
28.555347	4.545627				95.449936	41.836885	4.2			45.361263
5496.68	5199.88	5321.26	5428.5	5306	5793.76	4820.2	5106.5	4987.92	5738.74	5022.92
13.472254	13.541354	13.574642	13.537406	13.535714	13.664528	13.69375	13.617333	13.55413	13.534764	13.649239
5712	5376	5488	5600	5488	5936	4928	5264	5152	5936	5152
14	14	14	13.965087	14	14	14	14.037333	14	14	14
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
16.614199	8.060571				25.547573	33.049561	15.284959	5.463709	3.194028	11.373917
16.614199	8.060571				25.547573	33.049561	15.284959	5.463709	3.194028	11.373917
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.418607	338.370777	1130.12788
1331.44034	1783.85901				4012.49639	7546.82281	1049.24508	626.792222	386.649776	1308.28564
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
1331.44034	1783.85901				4012.49639	7546.82281	1049.24508	626.792222	386.649776	1308.28564
156.28	96.79	85.9	50.98	53.37	142.86	139.23	111.85	83.67	98.21	115.65
1043.57459	1501.01818				3443.60401	6209.26976	909.729117	559.418607	338.370777	918.400265
1163.66039	1760.71278				3596.73978	7329.51335	1023.96676	626.792222	386.649776	1053.70531
2.654022	1.538787				5.122699	6.758119	3.22	0.98	0.7	2.015915
13.91631	20.836958				53.69667	96.050874	14.42	7.14	5.46	11.815915
79.331166	74.719488				65.28004	70.963644	90.540761			81.322856
4.759869	2.241584				7.180804	6.386728	0.905407			2.439685
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84

0.038774	0.055052				0.14165	0.280795	0.0392	0.019402	0.012877	0.040326
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
1.903689	0.303041				6.363329	2.789125	0.28			3.024084
166.044961	22.567256				372.554109	187.153703	23.587563			211.727612
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0.1	0.02				0.29	0.04	0.02			0.12
320.0632	332.8583				1218.2494	1874.7697	261.9033	110.3095	85.555	274.0707
0.01					0.19	0.05				
10.5					199.5	52.5				
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.418607	338.370777	1130.12788
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.418607	338.370777	1130.12788
1199.11955	1523.58543				3616.65812	6343.92346	933.31668	559.418607	338.370777	1130.12788
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
10.5					199.5	52.5				
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.418607	338.370777	1130.12788
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0.291046	0.276826	0.225281	0.304446	0.31726	0.447939	0.419889	0.354486	0.335458	0.188284	0.242396
1393358.16	1132813.13	930135.144	1351753.45	1443992.48	2134153.12	1614557.9	1413091.57	1176888.37	972224.043	1063699.72
5538.14316	5674.08358	4524.03985	5757.18023	5245.68215	7686.83074	6124.35363	6097.43473	5717.37914	4765.50817	4874.24455
43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
0.034019	0.035705	0.034088	0.034736	0.034682	0.031717	0.034018	0.034129	0.034594	0.035707	0.035918
483788.971	433298.422	357244.414	492774.485	499497.303	742554.438	581518.942	531515.731	494707.595	331624.278	368986.084
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43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
172.925273	149.842645	107.223041	107.247527	104.042745	212.810969	237.436136	188.668811	159.278957	91.849106	160.101233
32.71304	33.088864	31.397986	32.220745	32.24672	33.060293	33.249294	32.925361	33.03851	34.344324	33.638176
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31.443399	24.616621	25.108632	26.308088	28.093703	42.576797	41.014032	33.584499	30.282266	25.042331	28.14801
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43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
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43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
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18.02	55.35	43.5	54.16	24.24	30.21	40.07	71.92	92.2	22.83	20.96
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
887592.389	364403.054	591854.429	608902.057	912148.254	693219.375	515929.839	395320.623	254882.582	623951.212	563701.028
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
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378.47	303.64	337.79	324.92	359.7	302.11	237.36	251.1	228.04	392.93	338.26
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33

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220666.933	263216.855	299174.174	314782.905	313449.741	370015.181	316050.179	333467.763	359176.972	378581.701	267677.508
83178.1632	118503.86	115951.56	112280.587	102939.271	15552.9005	38129.1065	96014.4951	117586.003	177048.396	119324.559
83178.1632	118503.86	115951.56	112280.587	102939.271	15552.9005	38129.1065	96014.4951	117586.003	177048.396	119324.559
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.16353	8943.57905	6323.58866

220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.16353	8943.57905	6323.58866
137488.77	144712.996	183222.614	202502.318	211350.109	374034.015	277921.073	237453.268	241590.97	201533.305	148352.949
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220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
214482.416	256241.509	291299.32	306265.646	305023.183	358378.081	306084.107	323012.157	347546.428	366557.48	259753.159
874.655389	1303.46097	1440.5132	1316.35483	1119.7618	1298.33851	1165.91419	1410.01515	1702.64674	1806.50758	1231.46999
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
154388.999	162681.791	206045.417	227543.538	237533.403	420293.463	312232.687	266770.645	271226.497	226365.76	166910.113
21.190295	21.726429	23.972002	30.41143	20.223443	31.656466	33.709662	8.875574	20.030682	23.130176	23.081287
1.271417	1.955378	6.95188	1.824685	1.617875	0.949694	0.337096	0.177511	2.403681	13.646803	2.769754
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
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-60093.417	-93559.718	-85253.903	-78722.108	-68312.173	42828.852	6148.58003	-56241.512	-76319.931	-140191.72	-92843.046
-60093.417	-93559.718	-85253.903	-78722.108	-68312.173	42828.852	6148.58003	-56241.512	-76319.931	-140191.72	-92843.046
6088.06177	7273.38942	8268.50185	8693.3195	8657.74416	9831.9649	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
214482.416	256241.509	291299.32	306265.646	305023.183	358378.081	306084.107	323012.157	347546.428	366557.48	259753.159
60093.4175	93559.7178	85253.9034	78722.1084	68312.1734	-42828.852	-6148.58	56241.5119	76319.9315	140191.721	92843.0461
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0.28	0.78	2.49	0.43	1.09	0.26	0.05	0.12	0.29	13.1	0.85
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
154388.999	162681.791	206045.417	227543.538	237533.403	420293.463	312232.687	266770.645	271226.497	226365.76	166910.113
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214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
838.573081	781.540951	652.213609	652.273713	658.271447	727.284729	674.819011	823.441969	1023.95737	901.509309	912.47622

4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.22307	3571.49959	3769.10465
101633.628	65858.4389	63320.2276	76333.0332	95357.5307	159328.561	128121.59	108879.199	113528.714	80187.7184	87800.4803
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.22307	3571.49959	3769.10465
9.859267	7.804905	6.533425	7.379789	8.93626	9.264424	9.830517	9.829842	11.044084	8.423348	10.242132
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4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.22307	3571.49959	3769.10465
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
104443.196	87682.1555	67885.0738	75271.6752	84101.8851	41908.8187	49151.7378	79964.3584	94681.4342	102780.206	105290.751
104443.196	87682.1555	67885.0738	75271.6752	84101.8851	41908.8187	49151.7378	79964.3584	94681.4342	102780.206	105290.751
99431.4387	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	85241.5741	74537.5872	86443.9851	77647.2343
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.22307	3571.49959	3769.10465
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4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.22307	3571.49959	3769.10465
101633.628	65858.4389	63320.2276	76333.0332	95357.5307	159328.561	128121.59	108879.199	113528.714	80187.7184	87800.4803
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206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
256167.456	278695.303	345949.062	322338.995	295644.705	379140.228	227661.253	323434.418	359538.359	322304.43	290139.866
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3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
78740.2593	76907.1998	108295.858	105019.056	101267.547	195662.043	104554.859	115902.403	124550.587	88752.2325	80952.4563
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
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256167.456	278695.303	345949.062	322338.995	295644.705	379140.228	227661.253	323434.418	359538.359	322304.43	290139.866
177427.196	201788.103	237653.204	217319.939	195462.043	203068.939	123106.394	207532.015	234987.772	233552.197	209187.41

177427.196	201788.103	237653.204	217319.939	195462.043	203068.939	123106.394	207532.015	234987.772	233552.197	209187.41
101558.378	76752.5183	79919.385	93531.9819	107449.778	116690.338	91043.1638	86738.5718	75531.2435	86356.5667	79228.2505
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
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256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
897393.629	951694.261	1067627.86	1094992.25	1093577.04	1308770.87	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
3663.08885	4847.88309	5293.46897	4710.45669	4022.1193	4748.2878	3916.185	5108.50507	6255.61413	6166.76809	4799.03347
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
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21.190295	21.726429	23.972002	30.41143	20.223443	31.656466	33.709662	8.875574	20.030682	23.130176	23.081287
1.271417	1.955378	6.95188	1.824685	1.617875	0.949694	0.337096	0.177511	2.403681	13.646803	2.769754
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
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897393.629	951694.261	1067627.86	1094992.25	1093577.04	1308770.87	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
425141.973	501533.836	506743.742	483594.309	450815.373	217701.806	204238.658	439752.38	523575.14	653572.52	526645.766
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404106.573	307010.073	319677.54	374377.044	429799.112	469363.574	369606.07	345457.29	301180.917	345688.522	315590.037
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
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3153.50607	723.965516	181.014172	52.524238	43.367808	10156.7096	5056.95422	1301.36179	384.749364	1300.22823	1680.38454
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149776.8	140966.4	143903.2	146840	143903.2	155650.4	129219.2	138029.6	135092.8	155650.4	135092.8
367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999
43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
172.925273	149.842645	107.223041	107.247527	104.042745	212.810969	237.436136	188.668811	159.278957	91.849106	160.101233
32.71304	33.088864	31.397986	32.220745	32.24672	33.060293	33.249294	32.925361	33.03851	34.344324	33.638176
1470479.54	1327463.85	1064051.43	1475046.54	1512668.11	2348333.72	1838134.82	1647103.06	1534005.01	1019394.66	1148114.32
1330269.25	1106951.97	937773.722	1347386.74	1427824.64	3234968.47	2364861.01	1761029.68	1541513.99	771151.2	921188.854
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
-140210.29	-220511.89	-126277.71	-127659.8	-84843.472	886634.756	526726.192	113926.627	7508.97873	-248243.46	-226925.46
1802520.9	1557112.39	1498657.84	1958784.68	2073333.23	4384286.55	3187691.22	2490035.2	2292410.76	1367990.22	1405204.85
1830.54	1431.54	1309.55	1405.76	1368.65	1905.14	1641.91	1617.1	1465.24	1067.19	1349.88
34135.3687	149649.561	85687.5877	85271.6742	20019.8245	166826.104	186885.68	194466.64	319278.18	31243.1964	38723.8488
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
887592.389	364403.054	591854.429	608902.057	912148.254	693219.375	515929.839	395320.623	254882.582	623951.212	563701.028

378.47	303.64	337.79	324.92	359.7	302.11	237.36	251.1	228.04	392.93	338.26
210.240806	170.24074	164.104364	174.969261	213.017052	191.276677	187.389263	158.814405	134.428598	164.989756	183.642762
8.729741	5.796893	8.05809	9.40515	11.786865	6.140589	6.652206	5.95867	4.47582	7.230838	6.553923
39,985.79	21,657.40	27,482.13	27,970.58	38,784.16	24,457.15	20,825.51	18,704.57	12,656.48	31,417.56	26,769.51
38719.9549	177092.731	93667.9162	97520.5413	22188.134	210027.68	243585.142	238852.596	383751.773	34774.9188	44026.3009
3.810488	5.806692	4.971252	4.343234	1.960689	6.615866	7.773831	7.836407	8.820899	3.053499	3.992454
797.00	4,196.55	2,544.44	2,531.01	596.48	3,818.22	4,356.15	5,307.18	8,933.83	822.22	953.64
31.345238	24.503312	25.034419	26.365509	27.978444	42.501091	41.039207	33.580776	29.991407	24.627003	27.980883
31.31276	24.368943	24.954193	26.270251	27.967622	42.453454	40.986063	33.436506	29.763232	24.570082	27.927862
-39188.787	-17460.852	-24937.693	-25439.569	-38131.069	-19391.53	-16469.359	-13397.396	-3722.6501	-30595.349	-25815.869
-96.050948	-45.470969	-63.616564	-63.440321	-97.273134	-45.734739	-46.787951	-35.726389	-10.115896	-72.158841	-70.151819
-7302927.5	-6300199.2	-6503374.4	-7100914.5	-7445085.4	-8594525	-6806899.4	-6854282.5	-6466399.3	-7094861.3	-6398922.3
-71.951589	-82.117529	-81.388419	-75.865929	-69.310244	-73.118369	-73.327679	-79.036857	-85.601341	-82.08255	-80.665335
-7302927.5	-6300199.2	-6503374.4	-7100914.5	-7445085.4	-8594525	-6806899.4	-6854282.5	-6466399.3	-7094861.3	-6398922.3
61572.5928	55095.1202	52437.2541	65644.4434	68665.6229	93100.5948	72028.7933	68034.0003	62899.5626	55026.4211	52587.77
2290751.79	2084507.39	1997763	2446745.7	2537569.52	3442923.99	2641626.77	2581849.46	2451360.27	2222635.58	2074361.49
7053257.63	6076421.51	6316822.7	6843501.23	7184035.31	8220781.49	6515282.69	6580212.83	6210881.82	6923197.79	6208142.36
7902130.07	6263731.83	6815009.21	7354882.74	8073995.43	8703973.18	6787627.38	6736680.86	6082012.63	7512374.08	6727817.09
0.000222	0.007575	0.042439	0.000227	0.007189				0.000494	0.123284	0.041254
783889.88	585007.182	580269.683	720626.137	816681.535	921093.707	725178.208	670634.089	583636.573	564391.652	581398.364
3.9	4.77	4.23	3.68	4.59	5.61	3.99	3.8	3.53	2.94	3.76
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
9105448.41	7857311.57	8002032.22	9059699.22	9518418.66	12978811.6	9994590.62	9344317.74	8758810.07	8462851.53	7804127.16
5278567.1	4255540.93	4325224.69	5307854.8	5841423.54	8922317.38	6626935.07	5747049.32	5238079.26	4406357.35	4283396.36
1368915.46	1230299.11	979130.356	1380981.98	1406630.8	2194835.86	1720656.33	1541037.31	1434405.77	956398.374	1055427.42
62369.5911	59291.6659	54981.6917	68175.452	69318.7092	98166.2159	76384.9431	73341.1756	71833.3928	55848.6363	53541.4066
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
5278567.1	4255540.93	4325224.69	5307854.8	5841423.54	8922317.38	6626935.07	5747049.32	5238079.26	4406357.35	4283396.36
58491.0975	52100.5339	36683.4271	56025.2486	57381.5044	105241.753	80418.1401	66340.0068	61654.9879	46967.6353	46950.1012
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
472251.656	450160.426	560884.117	611397.945	645508.59	1149318.08	822830.208	729005.514	750896.767	596839.016	484015.999
-425141.97	-501533.84	-506743.74	-483594.31	-450815.37	-217701.81	-204238.66	-439752.38	-523575.14	-653572.52	-526645.77
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76

2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
-3750343.7	-3750343.7	-3673806.1	-3903418.9	-3673806.1	-3597433	-3970580.4	-3503453.3	-3659162.3	-3892725.9	-3814871.3
-3750343.7	-3750343.7	-3673806.1	-3903418.9	-3673806.1	-3597433	-3970580.4	-3503453.3	-3659162.3	-3892725.9	-3814871.3
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34

26.199365	25.659382	22.589444	25.04937	26.359428	27.50942	41.376135	37.726094	30.666183	28.95611	22.896045
23.77321	23.773366	23.773308	23.773249	23.773288	23.77323	24.248735	24.248657	24.248754	24.248715	24.248754
26.073685	25.533695	22.463732	24.923688	26.233723	27.383718	41.251767	37.601743	30.541796	28.831752	22.771714
26.170362	25.630377	22.560434	25.020367	26.330419	27.480412	41.347435	37.697397	30.637478	28.927412	22.867353
25.445287	24.905263	21.835173	24.295279	25.605196	26.755207	40.62993	36.979989	29.919861	28.209966	22.150059
25.725649	25.18564	22.115607	24.575646	25.885616	27.03562	40.907365	37.257387	30.19734	28.487378	22.427413
26.151026	25.611041	22.541093	25.001031	26.31108	27.461073	41.328301	37.678266	30.618342	28.90828	22.848226
26.189697	25.649713	22.579774	25.039703	26.349758	27.499751	41.366568	37.716528	30.656615	28.946544	22.886481

21.904879	21.904879	21.904879	21.904879	21.904879	21.904879	22.342976	22.342976	22.342976	22.342976	22.342976
1.22	1.22	1.22	1.22	1.22	1.22	1.25	1.25	1.25	1.25	1.25
25.89	25.35	22.28	24.74	26.05	27.2	41.07	37.42	30.36	28.65	22.59
4.80825	4.795982	4.782376	4.845034	5.636352	6.288978	6.249918	6.263741	5.642513	5.095109	4.799212
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
0.022295	0.030663	0.038854	0.025073	0.024375	0.023297	0.024362	0.027444	0.031781	0.032275	0.035663
8623.35	8549.55	8304.3	8949.825	8429.4	8262.9	8956.35	7877.7	8191.125	8709.525	8505.45
21.998341	21.810076	21.625781	21.935845	21.894545	21.975797	21.951838	21.8825	21.843	21.773812	21.697576
8820	8820	8640	9180	8640	8460	9180	8100	8460	9000	8820
22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.56	22.5	22.5

8.22	2.3	11.06	4.08	2.14			2.63		6.1	

0.030688	0.02926	0.032291	0.030955	0.028828	0.022659	0.027205	0.032472	0.024042	0.026525	0.030561
7298.59472	4561.6217	4228.37748	158.42758	431.57858	147.50154	21737.3566	17552.6833	5025.9784	7396.92908	2775.21416
37177.898	23302.6923	20033.6453	784.697391	2460.10995	937.489309	107321.673	87353.594	26683.9316	38838.6004	12992.7462
3.549412	2.428352	1.923398	0.314584	1.12294	0.879281	3.963076	4.049085	3.503834	3.486489	1.153276
5848.30944	3200.04797	1106.24833	1.981295	101.129924	90.482659	10487.6128	6438.46695	1019.43484	600.689963	960.480121
22038.26	22070.74	21552.8	22931.46	21629.94	21313.84	23020.2	20201.98	21283.68	22584.62	22041.16
56.220051	56.302908	56.127083	56.204558	56.181662	56.685744	56.422058	56.116611	56.75648	56.46155	56.227448
22736	22736	22272	23664	22272	21808	23664	20880	21808	23200	22736
58	58	58	58	57.84935	58	58	58	58.154666	58	58
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
39.823784	27.198192	21.688309	3.614033	12.529423	9.535362	44.559113	45.327434	39.323553	39.037502	13.057009
39.823784	27.198192	21.688309	3.614033	12.529423	9.535362	44.559113	45.327434	39.323553	39.037502	13.057009
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
55070.3471	32858.1318	29886.4382	1005.6928	3032.91496	1128.92937	146484.149	126696.726	36264.8047	52563.068	18393.6091
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.17595	2756.52969
55070.3471	32858.1318	29886.4382	1005.6928	3032.91496	1128.92937	146484.149	126696.726	36264.8047	52563.068	18393.6091
243.99	193.19	120.9	113.94	91.12	95.68	257.33	240.29	203.88	200.59	139.17
8823.35677	8156.64879	17614.8078	929.298449	2179.2064	410.649845	65992.7155	65231.7869	25033.1073	42217.0709	10237.0143
11198.0789	9634.83865	21942.5511	994.347147	2302.63262	429.09152	75175.94	79150.465	28725.547	48246.838	12052.9305
14.026053	12.098817	18.751244	4.017929	9.654128	4.026262	30.327627	33.954169	34.58382	37.502932	11.020046
153.974442	144.556081	331.471403	16.609649	35.083199	6.053602	1194.3671	1179.97837	425.368251	721.545717	192.667378
58.332881	57.113068	55.779011	51.629637	65.367338	69.795	58.145943	60.057458	60.973337	57.896083	55.240727
41.963931	27.967845	16.693832	0.516296	10.309989	9.05114	45.287602	47.374374	31.043647	24.294739	13.185068
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
1.976734	1.235459	1.169062	0.041225	0.119012	0.041648	5.656421	5.1765	1.422933	1.9633	0.751632
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.17595	2756.52969
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.17595	2756.52969
620.905557	339.743918	117.448596	0.21035	10.7368	9.606397	1113.4529	683.561625	108.231748	63.774282	101.972621
35178.1438	19414.2179	6370.07855	10.860342	697.792343	672.208863	62259.9691	38944.6872	6477.63729	3734.82117	5400.06512
3.56	3.81	4.34	0.29	0.71	0.17	24.26	16.75	6.3	10.94	2.79
-11068.847	-5287.2651	-5901.5519	-65.53401	-155.91622	-46.070659	-18231.465	-22520.252	-4754.0601	-6611.176	-2756.5297
-22266.925	-14922.104	-27844.103	-1059.8812	-2458.5488	-475.16218	-93407.405	-101670.72	-33479.607	-54858.014	-14809.46
5.03	2.26	0.66		0.08	0.1	6.87	3.68	0.82	0.38	0.85
4090.0201	2407.9941	1825.7325	63.1871	204.3061	80.4092	11479.7766	8691.1632	2318.8387	2932.2044	1108.7617
0.18	0.12	0.1	0.02	0.04	0.02	0.94	0.59	0.19	0.3	0.06

82.1466	54.7644	45.637	9.1274	18.2548	9.1274	437.57	274.645	88.445	139.65	27.93
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
37177.898	23302.6923	20033.6453	784.697391	2460.10995	937.489309	107321.673	87353.594	26683.9316	38838.6004	12992.7462
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
82.1466	54.7644	45.637	9.1274	18.2548	9.1274	437.57	274.645	88.445	139.65	27.93
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
6741.456	4213.41	3905.604	146.334	398.634	136.242	20493.4416	16548.2352	4738.368	6973.6416	2616.4032
						0.5	0.54	0.37		
11.160864	11.187143	11.235453	11.187089	11.166488	11.10073	10.805202	10.865972	11.003745	11.045056	11.253873
0.522255	0.515806	0.50056	0.516373	0.530407	0.571114	0.79003	0.73418	0.613547	0.593019	0.491567
0.503057	0.496577	0.48033	0.497212	0.510908	0.550528	0.764774	0.706228	0.588194	0.569407	0.475467
775015.654	757680.883	647945.027	666979.337	710157.878	798423.123	1145213.63	911854.181	739170.822	632902.134	726046.819
2917.03266	2976.85216	3186.18028	3187.84528	2978.57804	2865.55545	4069.10897	3402.21078	3114.6267	3002.72316	3527.2474
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
0.037857	0.037168	0.041588	0.037867	0.037343	0.036914	0.034338	0.039222	0.041356	0.041075	0.033341
243921.493	241127.537	229164.835	251266.28	242258.18	253596.723	371080.537	304127.01	268878.436	277869.273	232253.371
298899.155	295305.169	279044.809	308095.812	296780.231	311526.308	464920.932	380564.214	337153.729	348665.66	290755.988
3.0451	3.0451	3.0451	3.0451	3.0451	3.0451	3.099399	3.099399	3.0994	3.099399	3.0994
445181.117	440081.868	418248.741	458586.087	442145.405	462839.38	686276.345	562452.492	497263.78	513891.433	429529.384
41864.76	41894.73	40851.33	43573.05	41032.26	40195.32	43732.89	38392.68	40009.95	42576.27	42061.23
106.797857	106.874311	106.383671	106.796691	106.577298	106.902446	107.188455	106.646333	106.6932	106.440675	107.299056
43512	43512	42624	45288	42624	41736	45288	39960	41736	44400	43512
111	111	111	111	110.711688	111	111	111	111.296	111	111
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
36.057134	36.116114	36.404897	36.170565	36.095849	35.83683	35.492954	35.692771	36.184441	36.353776	36.976545
35.648154	35.728867	35.886683	35.727764	35.667356	35.463086	35.193074	35.383942	35.812465	35.938213	36.588883
788993.059	779301.071	740986.278	813436.498	783827.213	820479.291	1218858.87	998812.618	885011.121	915032.023	763021.493
677910.944	644211.801	553560.046	636968.547	654821.868	720688.441	1614189.26	1224601.54	876532.178	865636.198	550775.759
-111082.12	-135089.27	-187426.23	-176467.95	-129005.34	-99790.85	395330.395	225788.92	-8478.9432	-49395.826	-212245.73
677910.944	644211.801	553560.046	636968.547	654821.868	720688.441	1614189.26	1224601.54	876532.178	865636.198	550775.759
377.16	377.43	368.03	392.55	369.66	362.12	393.99	345.88	360.45	383.57	378.93
5619.30505	13789.9679	83539.4118	137307.241	65135.2754	14313.9279	65209.6774	79420.2775	137225.259	272886.67	29615.9947
6261.75598	15095.5068	97360.752	151069.68	74263.9759	16025.6049	92360.4048	111400.915	172380.03	339075.573	33653.7073

13.283964	16.520939	30.497172	42.975537	27.240659	13.409925	17.783555	22.991043	32.999449	51.005625	21.711419
163.083014	399.26395	2472.86762	4014.5129	1910.70416	417.636102	1885.49016	2299.66918	3964.83774	7861.4106	857.241611
24.420158	24.559158	21.469427	24.31528	25.502191	27.119872	36.152206	32.235668	27.463788	25.983032	22.089717
24.412321	24.540157	21.193907	24.116289	25.434934	27.103157	36.139101	32.21113	27.369189	25.611731	22.058728
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
55.839372	55.120086	53.31663	55.190617	56.563522	61.10868	84.889965	78.391411	65.463658	63.204255	52.776943
-238579.88	-261126.63	-307210.69	-307804.84	-255633.7	-232345.86	201366.598	66821.7321	-149021.7	-194638.09	-333644.57
-238579.88	-261126.63	-307210.69	-307804.84	-255633.7	-232345.86	201366.598	66821.7321	-149021.7	-194638.09	-333644.57
21725.951	21207.81	18000.7184	18503.2591	19866.2518	22559.2279	32749.6158	25921.2388	20584.0343	17420.2914	19831.3204
775015.654	757680.883	647945.027	666979.337	710157.878	798423.123	1145213.63	911854.181	739170.822	632902.134	726046.819
1.7	2.65	9.24	14.07	14.19	4.71	49.81	39.75	34.74	37.43	4.66
111082.115	135089.27	187426.233	176467.952	129005.345	99790.8504	-395330.39	-225788.92	8478.94315	49395.8256	212245.734
104820.359	119993.763	90065.481	25398.2711	54741.3689	83765.2455	-487690.8	-337189.83	-163901.09	-289679.75	178592.027
343.78	339.14	293.91	296.07	296.88	329.01	265.5	229.46	239.15	233.42	333.51
96196.8608	92449.3995	72167.9154	79657.653	85176.0577	97787.9845	107540	89743.2837	82197.8007	78078.7742	75724.9409
0.95	0.89	1.08	1.04	0.97	0.88	0.94	0.84	0.96	1.03	0.82
8358.1	7830.22	9501.84	9149.92	8534.06	7742.24	8435.56	7538.16	8615.04	9243.22	7358.68
916490.824	905338.434	860770.738	944773.383	910455.564	953034.298	1412822.66	1157779.81	1025553.88	1060274.29	884420.33
916490.824	905338.434	860770.738	944773.383	910455.564	953034.298	1412822.66	1157779.81	1025553.88	1060274.29	884420.33
744080.272	735387.037	697293.55	766681.899	738925.637	774365.688	1151197.28	943016.705	834417.51	862557.093	720285.372
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
8358.1	7830.22	9501.84	9149.92	8534.06	7742.24	8435.56	7538.16	8615.04	9243.22	7358.68
916490.824	905338.434	860770.738	944773.383	910455.564	953034.298	1412822.66	1157779.81	1025553.88	1060274.29	884420.33
36554.6868	36083.8136	34190.8886	37604.6792	36367.5165	38371.3629	59226.0313	48257.7527	41978.5711	43231.7104	35377.441
7.46	15.44	44.51	69.88	46.01	17.19	28.8	35.53	65.6	87.33	24.97

1138.62	1135.62	1114.17	1195.62	1117.2	1083.09	1188.96	1056.93	1093.53	1159.77	1136.04
2.904642	2.896989	2.901484	2.930441	2.901818	2.880558	2.914117	2.935916	2.91608	2.899425	2.898061
1176	1176	1152	1224	1152	1128	1224	1080	1128	1200	1176
3	3	3	3	2.992207	3	3	3	3.008	3	3

11.617457	11.63046	11.82101	11.55123	11.54861	11.494779	11.313656	11.363544	11.44234	11.507272	
0.637479	0.651046	0.58683	0.672602	0.687028	0.70617	0.832304	0.803308	0.741821	0.710214	
0.611504	0.620321	0.492865	0.642387	0.652868	0.591897	0.792378	0.763887	0.709127	0.672142	
288466.201	291763.505	228614.907	312861.347	298246.121	262967.264	382515.373	326353.944	319260.753	323964.334	
1088.30655	1153.66292	1143.81569	1500.96219	1255.94698	941.579128	1365.73038	1224.30125	1353.52777	1547.00158	
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
0.040867	0.046428	0.046458	0.045122	0.048229	0.044893	0.04647	0.049583	0.045186	0.0522	0.049846
119527.332	120853.553	95092.8109	129688.852	123629.442	108845.232	155705.339	132912.473	130210.62	132026	
146396.387	148080.014	115655.689	158619.585	151170.949	133394.191	195139.324	166452.973	162742.826	165335.479	
2.314599	2.3146	2.314599	2.3146	2.3146	2.3146	2.3543	2.3543	2.3543	2.3543	
130834.618	132286.299	104088.591	141957.418	135324.787	119141.991	171945.406	146775.244	143791.588	145796.312	
16167.14	16032.55	13855.03	16752.37	15674.79	13529.09	16728.72	14712.45	15437.43	16260.45	
41.242704	40.899362	36.080807	41.05973	40.71374	35.981622	41.001764	40.867916	41.16648	40.651125	
16856	16856	16512	17544	16512	16168	17544	15480	16168	17200	16856
43	43	43	43	42.888311	43	43	43	43.114666	43	43
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
28.483709	28.566328	29.615419	28.364329	28.354563	28.685611	28.176234	28.345143	28.596605	28.757896	
27.96895	28.001593	28.456302	27.820021	27.8181	27.686716	27.735564	27.85676	28.050381	28.198623	
293601.337	297159.75	237275.009	318388.145	303511.811	271409.776	388285.865	331502.999	324720.526	329690.438	
307102.081	300714.413	212539.197	310715.592	310885.976	288320.868	616797.686	489104.086	389123.507	374757.364	
13500.7443	3554.66284	-24735.812	-7672.5533	7374.16525	16911.0923	228511.821	157601.088	64402.9812	45066.9258	
307102.081	300714.413	212539.197	310715.592	310885.976	288320.868	616797.686	489104.086	389123.507	374757.364	
375.98	372.85	322.21	389.59	364.53	314.63	389.04	342.15	359.01	377.87	

27.02652	23.883632	18.928536	23.298865	22.495607	30.004622	42.680714	32.105833	29.469826	27.782668
6.75663	6.687417	4.732134	6.523682	6.073813	8.401294	11.9506	6.421166	9.725042	8.612627
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85
26.294693	26.673826	21.193203	27.622647	28.000441	25.451595	34.072254	32.847166	30.573786	28.902125
-48976.192	-59615.489	-74440.824	-75460.916	-57246.944	-39982.311	147124.64	88127.7379	-3658.1098	-23943.064
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10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
288466.201	291763.505	228614.907	312861.347	298246.121	262967.264	382515.373	326353.944	319260.753	323964.334	
-13500.744	-3554.6628	24735.8119	7672.55326	-7374.1653	-16911.092	-228511.82	-157601.09	-64402.981	-45066.926	
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	0.002551	0.122395		0.002604	0.125				0.0025	1
95067.6126	90593.4464	60295.0557	78432.8017	82997.6644	81545.6327	104934.181	87684.8366	81558.5541	76360.2678	
1.18	1.24	1.99	1.27	1.21	1.94	1.3	1.16	1.23	1.29	
5135.1358	5396.2444	8660.1019	5526.7987	5265.6901	8442.5114	5770.492	5149.0544	5459.7732	5726.1036	
356078.273	360329.902	286980.021	386176.509	368132.92	328303.179	469673.046	400976.349	392781.617	398700.428	
356078.273	360329.902	286980.021	386176.509	368132.92	328303.179	469673.046	400976.349	392781.617	398700.428	
277231.004	280366.313	219744.28	300577.003	286495.736	252536.182	367084.73	313228.217	306534.414	311131.791	
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
5135.1358	5396.2444	8660.1019	5526.7987	5265.6901	8442.5114	5770.492	5149.0544	5459.7732	5726.1036	
356078.273	360329.902	286980.021	386176.509	368132.92	328303.179	469673.046	400976.349	392781.617	398700.428	
11235.1968	11397.1926	8870.6271	12284.3436	11750.3853	10431.082	15430.6428	13125.7278	12726.3387	12832.5435	

0.041658	0.02227	0.02901	0.028039	0.026666	0.023723	0.02174	0.036305	0.029707	0.02235	0.02102

1127.01	1149.81	1118.58	1189.68	1121.28	1101.24	1197.39	1040.79	1094.49	1173.18	1151.28
2.875025	2.933188	2.912968	2.915882	2.912415	2.928829	2.934779	2.891083	2.91864	2.93295	2.936938
1176	1176	1152	1224	1152	1128	1224	1080	1128	1200	1176
3	3	3	3	2.992207	3	3	3	3.008	3	3

6.633091	3.65764	2.688098		7.571924	9.461936	4.222489	5.328514	1.825341
0.01076	0.005347	0.006287		0.016673	0.026809	0.003919	0.00462	0.003117
0.010494	0.005275	0.006135		0.016431	0.026055	0.003803	0.004545	0.002969
6294.25721	2525.7628	873.915468		3088.11507	2875.68424	372.524649	271.877003	457.298629
19.505689	8.593583	3.03901		10.420319	10.259004	1.406505	1.26063	2.153568

205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
0.028941	0.021505	0.024179	0.02875	0.04026	0.030119	0.029767	0.033208	0.0273	0.029775	0.028584
2920.9	1461.4	1678.6				4707.2	6649.4	1010.3	1276.5	819
15131.6324	7521.52287	7805.32997				19962.997	29064.0106	4825.74964	6719.05019	3801.6769
2.345994	1.296329	0.903306				2.366845	3.135646	1.411189	1.964036	0.609952
1216.48728	486.142452	183.540847				717.705451	638.939208	69.667733	51.188766	104.422119
18990	19200.1	18684.6	19854.6	18399.4	18160.4	19848.1	17423.1	18286.6	19370	19059.4
48.443877	48.979846	48.657812	48.663235	47.790649	48.298936	48.647303	48.3975	48.764266	48.425	48.620918
19600	19600	19200	20400	19200	18800	20400	18000	18800	20000	19600
50	50	50	50	49.870129	50	50	50	50.133333	50	50
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
54.462142	28.834678	23.341648				40.174625	68.538218	29.458277	31.477583	10.20867
33.218153	18.26777	12.805386				33.814611	44.692395	19.935468	27.776692	8.577891
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
17853.5958	8536.65786	9293.4766				22075.9936	34445.7324	5476.85042	7327.12079	4236.28695
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.873601	427.754045
17853.5958	8536.65786	9293.4766				22075.9936	34445.7324	5476.85042	7327.12079	4236.28695
332.71	282.32	180.72	122.09	87.52	101.75	289.4	317.07	225.89	210.05	198.43
8878.87116	5006.44206	6948.5445				17077.4559	26334.1754	4472.39599	6484.37018	3351.23427
10439.2758	5644.39992	8235.64154				18670.7371	30966.7657	5040.29299	7029.1007	3734.99743
7.40531	4.98896	4.290194				10.253728	14.108044	6.249064	7.723992	2.669333
119.533095	68.853178	104.817436				284.042467	423.784854	66.562707	87.243659	50.741277
75.215792	73.841615	69.093857				63.430007	68.415876	78.235532	74.89086	64.625449
31.47362	13.29149	6.218447				21.421299	23.261397	6.258842	2.995634	3.877526
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
0.524744	0.263775	0.30677				0.821568	1.302777	0.190666	0.22725	0.148469
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.873601	427.754045
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.873601	427.754045
86.166904	34.546821	12.982563				51.157532	45.215145	4.937292	3.65634	7.458722
6294.25721	2525.7628	873.915468				3088.11507	2875.68424	372.524649	271.877003	457.298629
2.24	1.19	1.6				4.34	6.39	0.88	1.49	0.66
-2680.4675	-1004.453	-1471.0166				-1910.4226	-5235.8728	-631.92978	-570.8736	-427.75405
-13119.743	-6648.8529	-9706.6582				-20581.16	-36202.638	-5672.2228	-7599.9743	-4162.7515
0.84	0.28	0.12				0.39	0.34	0.03	0.02	0.06
1904.8876	851.6045	879.4333				2534.1462	3758.317	507.5508	520.8852	337.2723

0.04	0.01	0.01				0.35	0.19	0.03	0.07	0.01
24.508	4.978	4.978				196.478	110.543	15.234	35.546	5.078
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
15131.6324	7521.52287	7805.32997				19962.997	29064.0106	4825.74964	6719.05019	3801.6769
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
24.508	4.978	4.978				196.478	110.543	15.234	35.546	5.078
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
16.988	5.704	12.152				6.096	35.306	3.937	1.651	1.778
						0.01	0.15	0.05		

0.040025	0.03278	0.028437	0.023725	0.035	0.030026	0.033553	0.023861	0.027287	0.02735	0.033112

1505.24	1516.6	1492.32	1593.28	1482.24	1458.84	1577.24	1405.64	1462.96	1556.24	1516.08
3.839897	3.868877	3.88625	3.905098	3.849974	3.879893	3.865784	3.904555	3.901226	3.8906	3.867551
1568	1568	1536	1632	1536	1504	1632	1440	1504	1600	1568
4	4	4	4	3.98961	4	4	4	4.010666	4	4

10.546527	10.583932	10.695911	10.539855	10.555795	10.505323	10.24719	10.306377	10.397411	10.449363	10.682252
0.397792	0.397428	0.369157	0.408213	0.43063	0.474419	0.706285	0.659832	0.530976	0.489394	0.352107
0.377971	0.37249	0.348207	0.385302	0.411726	0.445048	0.67041	0.627274	0.50312	0.459797	0.252716
284361.991	279907.963	255973.355	300086.79	301653.215	316645.789	513024.973	425547.362	361407.427	351213.194	194285.406
1051.62161	1086.96935	1251.40713	1433.99928	1261.86457	1132.58644	1827.60003	1595.49667	1524.03016	1673.57196	940.436888
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
0.052091	0.066224	0.058567	0.057818	0.045598	0.064308	0.053186	0.052305	0.052154	0.0603	0.062321
91222.2409	89792.2717	82821.2121	96402.8865	96701.2533	101488.955	161850.409	134202.828	114011.682	111363.603	61389.3422
112102.602	110353.015	100442.416	118428.453	119064.153	124918.755	202936.855	168460.855	143196.584	140108.757	76878.8221
3.056	3.056	3.056	3.056	3.056	3.056	3.1105	3.110499	3.110499	3.110499	3.110499
167484.034	164858.611	152059.745	176995.7	177543.501	186333.72	301122.685	249684.361	212118.734	207191.984	114214.871
21774.588	21449.944	21184.486	22526.426	21476.314	20616.652	22637.18	19992.562	20884.454	21971.484	16374.012

55.547418	54.719244	55.167932	55.211828	55.782633	54.831521	55.483284	55.534894	55.691877	54.928709	41.770438
22971.2	22971.2	22502.4	23908.8	22502.4	22033.6	23908.8	21096	22033.6	23440	22971.2
58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.756266	58.599999	58.599999
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
36.214172	37.396501	37.576326	36.36537	36.436191	36.751597	35.120277	35.318937	35.850662	36.660281	42.508629
32.77117	32.885641	33.241673	32.751565	32.804169	32.64347	32.425029	32.611712	32.900727	33.058809	33.783953
311209.819	310713.771	284843.977	330299.808	327761.505	345072.901	542433.989	448711.941	388706.654	383942.75	234616.343
294511.347	278506.802	233274.331	281026.425	297968.362	323769.083	769369.901	593187.725	419506.724	391816.507	172999.108
-16698.472	-32206.969	-51569.646	-49273.383	-29793.143	-21303.818	226935.912	144475.785	30800.0697	7873.75693	-61617.235
294511.347	278506.802	233274.331	281026.425	297968.362	323769.083	769369.901	593187.725	419506.724	391816.507	172999.108
371.58	366.04	361.51	384.41	366.49	351.82	386.3	341.17	356.39	373.49	279.42
	9.77087	838.331279	404.032441	50.103593		10.645858	8.327901	115.803254	2123.03309	59.19729
	8.955923	947.416359	439.842494	51.25372		13.062515	7.567169	125.240377	2669.745	56.847202
	0.267464	5.127847	3.975852	1.435279		0.300373	0.129028	2.960088	6.651404	1.612782
	0.267464	26.589746	12.427578	1.435279		0.300373	0.223142	3.255834	65.628222	1.65902
26.165181	25.966938	21.985421	26.174994	26.221405	29.389568	39.292654	36.063335	31.505833	27.815403	24.493816
23.287011	23.108704	19.534057	23.767965	24.630893	26.450611	36.905302	32.427045	28.347739	26.923172	19.81053
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
22.149142	21.827959	20.404947	22.57874	24.064529	26.079856	39.286058	36.758305	29.561482	26.944135	14.809173
-64380.337	-79141.39	-94860.293	-99663.172	-80338.888	-74352.095	142336.703	74327.9668	-28793.837	-50335.999	-93705.444
-64380.337	-79141.39	-94860.293	-99663.172	-80338.888	-74352.095	142336.703	74327.9668	-28793.837	-50335.999	-93705.444
8682.464	8556.29254	7808.91025	9199.69842	9263.40872	9806.026	16028.4116	13232.7669	11082.3002	10712.0258	5803.53698
284361.991	279907.963	255973.355	300086.79	301653.215	316645.789	513024.973	425547.362	361407.427	351213.194	194285.406
		0.04	0.05	0.02		0.02		0.07	0.3	
16698.472	32206.9692	51569.6458	49273.383	29793.1425	21303.8184	-226935.91	-144475.78	-30800.07	-7873.7569	61617.2347
16698.472	32198.0132	50622.2295	48833.5405	29741.8888	21303.8184	-226948.97	-144483.35	-30925.31	-10543.502	61560.3875
22.18	23.29	24.93	22.95	22.75	20.06	19.35	20	23.39	23.22	14.49
									0.0025	0.242346
88899.4405	83439.0986	66483.2994	72350.7003	79055.1592	87903.3616	98035.1419	82865.0905	76344.3702	71073.0675	50089.6521
1.36	1.56	1.42	1.51	1.32	1.44	1.46	1.15	1.35	1.52	2
26847.828	30796.038	28032.291	29808.9855	26058.186	28427.112	29398.3702	23156.2505	27183.4245	30606.5224	40271.74
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.505	266704.552
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.505	266704.552
279586.636	275211.625	252502.161	295424.153	296607.654	311252.475	504059.54	418145.216	355315.319	347300.741	191093.693
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196

26847.828	30796.038	28032.291	29808.9855	26058.186	28427.112	29398.3702	23156.2505	27183.4245	30606.5224	40271.74
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.505	266704.552
4775.3552	4706.108	4309.525	5066.6693	5095.6642	5393.3143	8976.07872	7410.4744	6207.91136	6035.48624	3250.90976
	0.03	0.54	0.3	0.1		0.01	0.03	0.22	1.02	0.18
5.1	3.15	2.55				5.4	8.1	3.45	2.85	1.95
0.008433	0.003723	0.005295				0.010072	0.020441	0.002896	0.002187	0.002237
0.008086	0.003647	0.005182				0.009852	0.019694	0.002845	0.002175	0.002193
910.872064	353.058872	126.537593				261.094601	450.105286	53.091362	33.975015	97.008728
2.848105	1.195991	0.404825				0.878588	1.60282	0.195475	0.158838	0.457087
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
0.028316	0.036326	0.036041	0.030637	0.034661	0.019601	0.024264	0.026611	0.032978	0.026925	0.029668
665.7	300.3	417.9				844.2	1488.9	224.7	182.7	180.6
3462.494	1552.6077	1945.33237				3391.09934	6320.13137	1069.93931	978.87096	836.927828
1.716269	1.075641	0.805392				1.491411	2.479983	1.096519	1.009549	0.6087
177.335241	67.503008	27.3				61.697353	108.548785	10.5	6.427513	22.051805
5332.6	5288.64	5182.24	5537	5189.66	5160.82	5573.4	4905.88	5090.4	5449.22	5325.18
13.603571	13.491428	13.495416	13.571078	13.479636	13.725585	13.660294	13.627444	13.5744	13.62305	13.584642
5488	5488	5376	5712	5376	5264	5712	5040	5264	5600	5488
14	14	14	14	13.963636	14	14	14	14.037333	14	14
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
25.806542	16.134621	12.080881				24.955995	37.832153	16.447792	15.643243	9.130514
25.806542	16.134621	12.080881				24.955995	37.832153	16.447792	15.643243	9.130514
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
4056.81523	1741.80889	2284.0532				3731.54893	7503.39072	1201.75778	1060.40499	916.892687
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
4056.81523	1741.80889	2284.0532				3731.54893	7503.39072	1201.75778	1060.40499	916.892687
177.38	150.27	96.88	63.57	44.67	56.94	151.16	171.63	129.23	110.68	107.84
2562.12193	1199.54883	1818.79478				3350.50474	5996.02608	1016.84795	965.895944	739.919099
2982.28677	1344.53967	2136.47564				3463.02112	6948.94504	1139.335	1025.6986	814.568666
4.441819	2.836384	2.24				4.812696	7.486986	3.22	2.588583	1.533809
32.55765	15.519799	26.04				52.166843	92.023414	14.28	11.751499	10.569879
81.860981	81.068449	73.966384				70.34304	71.707209	81.782404	79.636838	67.832782
17.190806	8.106844	2.958655				6.700298	10.039009	1.635648	1.592736	2.713311
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04

0.113214	0.051071	0.072552				0.137941	0.275722	0.039946	0.03045	0.030714
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
11.822349	4.5002	1.82				4.113156	7.236585	0.7	0.4285	1.47012
910.872064	353.058872	126.537593				261.094601	450.105286	53.091362	33.975015	97.008728
1.45	0.83	0.98				3.34	4.13	0.71	0.73	0.66
-583.82123	-189.20118	-338.72082				-119.94959	-1057.2593	-131.81848	-60.534025	-79.964859
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0.42	0.17	0.07				0.19	0.17	0.03		0.06
972.7437	420.4546	479.6299				1174.6174	1938.7959	272.009	191.9374	185.8216
0.01						0.21	0.12		0.02	
10.5						220.5	126		21	
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
3462.494	1552.6077	1945.33237				3391.09934	6320.13137	1069.93931	978.87096	836.927828
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
10.5						220.5	126		21	
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
							0.13	0.01		

11.13489	11.161787	11.238254	11.140632	11.126447	11.049054	10.76685	10.840122	10.960275	11.009993	11.119373
0.302267	0.298208	0.27763	0.298458	0.308973	0.323576	0.465278	0.438525	0.359365	0.34423	0.228993
0.291195	0.286494	0.26277	0.287205	0.297005	0.306951	0.449098	0.421552	0.34572	0.33035	0.186643
1390227.12	1351645.39	1139903.82	1279938.33	1310755.01	1378708.39	2106363.16	1706025.96	1426742.25	1312120.34	926286.597
5192.74227	5293.581	5609.52734	6122.85726	5499.02578	4941.94466	7485.43862	6373.8497	6018.82053	6242.01074	4495.04257
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
0.03486	0.034406	0.035677	0.03272	0.035584	0.033225	0.032116	0.034143	0.033604	0.034734	0.035153
465556.261	458096.684	413403.736	477516.446	463020.454	464078.412	715925.041	596933.293	519361.717	530115.005	297417.527
613170.168	586115.02	524927.221	585928.548	569475.443	570776.744	993672.88	838215.777	675672.76	700646.418	385266.161
2.901265	2.878752	2.901335	2.848473	2.853449	2.875842	2.991256	2.995615	2.935432	2.944657	3.118245
743499.769	737226.778	674397.077	777539.204	755013.693	768315.091	1159344.44	958912.096	853174.103	866879.729	543744.255
7242.13196	3753.69343	1317.08918	1.981295	101.129924	90.482659	11267.0156	7185.95495	1099.60257	658.306242	1086.95405
138561.568	138288.284	133339.856	144103.311	135552.484	130882.192	144460.43	127009.712	132834.619	140810.759	117169.832
353.473387	352.776234	347.239208	353.194389	352.084374	348.090936	354.069681	352.804755	354.22565	352.026897	298.902632
143903.2	143903.2	140966.4	149776.8	140966.4	138029.6	149776.8	132156	138029.6	146840	143903.2

367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.078933	367.099999	367.099999
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
220.847485	174.246435	160.707482	104.514299	113.416027	110.809402	208.479201	251.054657	185.861332	187.930283	111.881369
33.697535	33.48265	33.985235	33.008544	33.028132	33.054871	33.706599	33.961417	33.539242	33.822422	36.196684
1456451.84	1423830.27	1296857.94	1463064.61	1417977.53	1438044.83	2301608.58	1918860.02	1635863.91	1682373.22	1017920.38
1356505.13	1266569.61	1040837.54	1229716.26	1266709.12	1333907.32	3172648.54	2475539.2	1728105.82	1693160.66	747321.656
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1356505.13	1266569.61	1040837.54	1229716.26	1266709.12	1333907.32	3172648.54	2475539.2	1728105.82	1693160.66	747321.656
1887.02	1744.4	1461.31	1470.23	1326.13	1282.94	1867.22	1758.19	1637.48	1656.25	1109.89
25883.6549	28162.3784	110759.89	138640.572	67364.5854	14724.5778	151640.999	176990.594	167863.414	324677.04	44003.3597
30881.3974	31728.241	130622.837	152503.87	76617.8622	16454.6964	189683.166	228474.658	207410.446	398046.955	50313.0511
6.651779	5.957361	9.313807	12.74233	9.582516	4.359047	10.533101	13.253902	12.323069	16.170933	6.869454
469.148203	628.460475	2961.7862	4043.55012	1947.22264	423.689704	3416.36695	3995.67897	4474.30453	8747.5797	1112.87917
38.817698	31.964373	25.793541	24.964573	27.335597	29.565939	42.961689	42.213004	34.311727	30.858993	26.295793
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41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
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41434.8298	40599.0335	34080.0698	38973.2079	39920.5674	41944.6603	63848.2311	51714.999	43245.3735	39761.0263	25745.7588
1390227.12	1351645.39	1139903.82	1279938.33	1310755.01	1378708.39	2106363.16	1706025.96	1426742.25	1312120.34	926286.597
8.95	8.48	16.2	14.41	14.92	4.88	81.77	67.02	42.7	50.89	8.77
99946.7076	157260.657	256020.401	233348.354	151268.406	104137.506	-871039.96	-556679.18	-92241.916	-10787.441	270598.72
69065.3101	125532.416	125397.565	80844.4837	74650.5436	87682.8095	-1060723.1	-785153.83	-299652.36	-408834.4	220285.669
375.46	367.74	322.01	323.02	322.48	352.68	296.49	256.18	266.91	260.45	348.97
	0.000231	0.011126		0.000236	0.011363				0.000454	0.11294
287131.565	270161.998	202131.066	230504.342	247433.187	267317.388	325697.863	274681.487	243199.124	229157.137	127446.449
3.72	3.82	4.6	3.84	3.54	4.28	5.2	4.05	3.76	4.23	2.89
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
1694108.4	1659972.21	1509638.06	1712579.65	1659772.73	1680541.51	2661558.76	2217448.38	1904061.66	1954835.24	1171407.42
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1356669.94	1323341.8	1199324.3	1363467.75	1324489.14	1339091.83	2153017.32	1797127.87	1528846.86	1567526.15	929010.416
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
1694108.4	1659972.21	1509638.06	1712579.65	1659772.73	1680541.51	2661558.76	2217448.38	1904061.66	1954835.24	1171407.42

59323.6828	56406.2282	51288.7967	55102.0261	53612.2	54332.0012	104132.29	85377.4961	65655.1262	69075.0328	41246.532
7.46	15.47	45.05	70.18	46.11	17.19	29.32	36.38	66.25	88.35	25.15
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
3682.15091	3506.83773	2035.64292	2234.50919	2659.36972	3398.83755	2449.00989	2070.15194	1976.25622	1496.91856	2920.03117
-103004.57	-99029.34	-77937.377	-85316.329	-91170.86	-104523.1	-114545.25	-96289.783	-88651.677	-83977.019	-80581.186
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
375.1	367.42	321.83	322.67	321.74	353.14	294.81	254.66	265.85	259.75	357.3
227.806849	216.867139	177.823275	150.208374	178.182777	219.696223	196.222979	190.845631	162.731453	138.845938	165.313171
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43073.456	40351.2216	23517.6067	22925.2486	28812.8179	40027.1514	24487.2177	22644.0977	20873.689	15808.8299	30453.4777
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-27.041531	-26.169364	-22.986335	-25.125059	-26.519421	-27.645476	-41.544918	-37.785852	-30.950887	-29.055996	-22.981047
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
3765854.19	3485855.07	2221433.45	2616228.07	3053553.25	3840768.57	5462812.53	4202202.63	3215409.53	2754406.63	2455529.55
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
3682.15091	3506.83773	2035.64292	2234.50919	2659.36972	3398.83755	2449.00989	2070.15194	1976.25622	1496.91856	2920.03117
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103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
375.1	367.42	321.83	322.67	321.74	353.14	294.81	254.66	265.85	259.75	357.3
227.806849	216.867139	177.823275	150.208374	178.182777	219.696223	196.222979	190.845631	162.731453	138.845938	165.313171
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43073.456	40351.2216	23517.6067	22925.2486	28812.8179	40027.1514	24487.2177	22644.0977	20873.689	15808.8299	30453.4777
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
3765854.19	3485855.07	2221433.45	2616228.07	3053553.25	3840768.57	5462812.53	4202202.63	3215409.53	2754406.63	2455529.55
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35

226070.195	220907.279	274150.481	323821.878	313943.284	312576.784	369001.533	324168.877	345916.013	402031.492	361912.062
875.291128	886.310961	1376.10249	1561.08955	1330.4521	1131.32589	1320.63809	1218.30207	1477.81195	1925.80586	1768.82906
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811
137634.176	132364.716	145105.965	190627.355	194285.579	202467.254	365638.889	277948.852	240647.149	263643.806	187306.44
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811
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5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7383.87078	8420.62019	7389.30652	7885.02424	9164.15528	8249.64811
226070.195	220907.279	274150.481	323821.878	313943.284	312576.784	369001.533	324168.877	345916.013	402031.492	361912.062
88436.0182	88542.5624	129044.516	133194.522	119657.706	110974.908	23995.3999	46220.025	105268.864	138387.686	174605.622
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103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811

226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811
137634.176	132364.716	145105.965	190627.355	194285.579	202467.254	365638.889	277948.852	240647.149	263643.806	187306.44
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226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
218660.322	213765.809	265735.059	313882.218	304100.253	302826.125	355975.468	312633.122	333694.932	387585.331	348987.104
846.52598	857.636312	1333.95612	1513.33974	1288.75944	1096.11389	1274.0353	1174.9266	1425.66031	1856.44171	1705.63251
5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.6976	9266.78449
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5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.6976	9266.78449
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5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8298.60128	9462.32511	8301.46369	8860.72577	10291.6976	9266.78449
218660.322	213765.809	265735.059	313882.218	304100.253	302826.125	355975.468	312633.122	333694.932	387585.331	348987.104
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0.13	0.31	0.74	0.39	0.49	1.25	0.42	0.42	0.14	0.31	9.11
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.6976	9266.78449
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.6976	9266.78449
154524.215	148623.935	163142.735	214333.092	218301.727	227519.174	410862.542	312257.768	270411.763	296132.368	210423.217
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218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
797.58516	790.123884	779.815307	653.648179	609.323097	613.144563	695.798807	664.115113	818.229117	1054.1508	810.768402

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4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.49094	3239.74369
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103198.13	100188.869	87758.8829	70056.1063	71107.0577	80121.1058	38104.7102	46848.4269	77558.8585	98638.0043	93666.676
103198.13	100188.869	87758.8829	70056.1063	71107.0577	80121.1058	38104.7102	46848.4269	77558.8585	98638.0043	93666.676
101206.492	99029.3397	77937.3773	78636.5725	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.49094	3239.74369
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206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
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206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
253580.813	254702.204	288066.311	366678.167	314276.29	287986.61	375114.385	231941.614	335783.978	387786.783	300830.37
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3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.81925	3625.7728
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3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3557.46608	4524.97975	2795.48769	4047.05288	4673.81925	3625.7728
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177459.343	178142.357	209915.757	255028.607	214135.054	193693.828	204283.103	127016.542	214114.409	255385.797	220593.23

177459.343	178142.357	209915.757	255028.607	214135.054	193693.828	204283.103	127016.542	214114.409	255385.797	220593.23
101769.971	97745.1837	77937.3773	85316.3288	91097.3774	103853.494	113548.465	94610.3777	88510.1871	83977.0193	80505.6817
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.81925	3625.7728
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.81925	3625.7728
76121.4699	76559.8479	78150.5537	111649.561	100141.236	95330.3011	192654.466	104925.072	121669.569	132400.986	80237.1396
-177459.34	-178142.36	-209915.76	-255028.61	-214135.05	-193693.83	-204283.1	-127016.54	-214114.41	-255385.8	-220593.23
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37

904805.679	886906.651	982780.007	1139443.89	1076007.67	1073029.98	1294861.28	1045201.67	1206985.49	1396539.47	1177701.61
3508.27506	3559.32269	4945.91665	5505.33723	4563.71007	3891.8328	4643.8565	3934.66748	5166.58547	6702.69013	5759.13072
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22606.7114	27489.9485	21930.6862	24532.6148	28407.1631	24381.9491
471576.081	454890.989	453468.526	581615.53	585309.323	614836.087	1125821.08	824741.327	746760.185	812675.017	550272.19
28.330126	23.368044	20.677033	15.891276	27.836035	26.270284	29.059384	33.931139	45.754263	25.87338	21.847322
0.566602	2.103124	2.481244	0.635651	1.113441	3.677839	0.871781	2.035868	0.915085	2.587338	11.797554
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22606.7114	27489.9485	21930.6862	24532.6148	28407.1631	24381.9491
47.18441	46.120113	52.96797	57.396745	58.279154	60.124232	67.377324	60.918572	65.420306	71.017907	62.198849
-433229.6	-432015.66	-529311.48	-557828.36	-490698.34	-460940.59	-231461.15	-220460.35	-460225.3	-583864.45	-627429.42
-433229.6	-432015.66	-529311.48	-557828.36	-490698.34	-460940.59	-231461.15	-220460.35	-460225.3	-583864.45	-627429.42
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22551.2882	26209.7968	21930.6862	24532.6148	28407.1631	24381.9491
904805.679	886906.651	982780.007	1139443.89	1076007.67	1073029.98	1294861.28	1045201.67	1206985.49	1396539.47	1177701.61
433229.598	432015.662	529311.481	557828.362	490698.344	460940.588	231461.147	220460.348	460225.3	583864.451	627429.415
433229.598	432015.662	529311.481	557828.362	490698.344	460940.588	231461.147	220460.348	460225.3	583864.451	627429.415
0.13	0.31	0.74	0.39	0.49	1.25	0.42	0.42	0.14	0.31	9.11
408985.612	394833.203	311749.509	334585.559	364609.957	417422.793	457184.201	383479.726	354465.219	335908.077	322249.239
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22606.7114	27489.9485	21930.6862	24532.6148	28407.1631	24381.9491
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22606.7114	27489.9485	21930.6862	24532.6148	28407.1631	24381.9491
471576.081	454890.989	453468.526	581615.53	585309.323	614836.087	1125821.08	824741.327	746760.185	812675.017	550272.19

-433229.6	-432015.66	-529311.48	-557828.36	-490698.34	-460940.59	-231461.15	-220460.35	-460225.3	-583864.45	-627429.42
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
11.13489	11.161787	11.238254	11.140632	11.126447	11.049054	10.76685	10.840122	10.960275	11.009993	11.119373
0.302267	0.298208	0.27763	0.298458	0.308973	0.323576	0.465278	0.438525	0.359365	0.34423	0.228993
0.291195	0.286494	0.26277	0.287205	0.297005	0.306951	0.449098	0.421552	0.34572	0.33035	0.186643
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
3274722.67	3131952	2547620.11	2892898.38	3020923.61	3402255.35	4097978.36	3311398.32	3102464.36	3026404.06	2706857.4
12383.1682	12359.7414	12591.0869	13862.7037	12722.1056	12232.615	14578.305	12378.6691	13161.6622	14441.6194	13174.2045
-42604.308	-39722.761	-20555.821	-18881.699	-26865.595	-39548.039	-19790.699	-18648.419	-16399.384	-7061.2502	-29340.599
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
0.03486	0.034406	0.035677	0.03272	0.035584	0.033225	0.032116	0.034143	0.033604	0.034734	0.035153
465556.261	458096.684	413403.736	477516.446	463020.454	464078.412	715925.041	596933.293	519361.717	530115.005	297417.527
613170.168	586115.02	524927.221	585928.548	569475.443	570776.744	993672.88	838215.777	675672.76	700646.418	385266.161
2.901265	2.878752	2.901335	2.848473	2.853449	2.875842	2.991256	2.995615	2.935432	2.944657	3.118245
743499.769	737226.778	674397.077	777539.204	755013.693	768315.091	1159344.44	958912.096	853174.103	866879.729	543744.255
7242.13196	3753.69343	1317.08918	1.981295	101.129924	90.482659	11267.0156	7185.95495	1099.60257	658.306242	1086.95405
138561.568	138288.284	133339.856	144103.311	135552.484	130882.192	144460.43	127009.712	132834.619	140810.759	117169.832
353.473387	352.776234	347.239208	353.194389	352.084374	348.090936	354.069681	352.804755	354.22565	352.026897	298.902632
143903.2	143903.2	140966.4	149776.8	140966.4	138029.6	149776.8	132156	138029.6	146840	143903.2
367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.078933	367.099999	367.099999
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
220.847485	174.246435	160.707482	104.514299	113.416027	110.809402	208.479201	251.054657	185.861332	187.930283	111.881369
33.697535	33.48265	33.985235	33.008544	33.028132	33.054871	33.706599	33.961417	33.539242	33.822422	36.196684
1456451.84	1423830.27	1296857.94	1463064.61	1417977.53	1438044.83	2301608.58	1918860.02	1635863.91	1682373.22	1017920.38
1356505.13	1266569.61	1040837.54	1229716.26	1266709.12	1333907.32	3172648.54	2475539.2	1728105.82	1693160.66	747321.656
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
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1828081.21	1721460.6	1494306.07	1811331.79	1852018.44	1948743.41	4298469.62	3300280.53	2474866.01	2505835.68	1297593.85
1887.02	1744.4	1461.31	1470.23	1326.13	1282.94	1867.22	1758.19	1637.48	1656.25	1109.89
25883.6549	28162.3784	110759.89	138640.572	67364.5854	14724.5778	151640.999	176990.594	167863.414	324677.04	44003.3597
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2

375.1	367.42	321.83	322.67	321.74	353.14	294.81	254.66	265.85	259.75	357.3
227.806849	216.867139	177.823275	150.208374	178.182777	219.696223	196.222979	190.845631	162.731453	138.845938	165.313171
9.527026	9.090096	5.983675	7.793528	9.747202	12.433557	6.307435	6.826666	6.304686	4.841454	7.699146
43,073.46	40,351.22	23,517.61	22,925.25	28,812.82	40,027.15	24,487.22	22,644.10	20,873.69	15,808.83	30,453.48
30881.3974	31728.241	130622.837	152503.87	76617.8622	16454.6964	189683.166	228474.658	207410.446	398046.955	50313.0511
3.880204	3.475127	5.433054	5.663257	4.258896	1.937354	6.144309	7.731443	7.188457	9.433044	3.746975
469.15	628.46	2,961.79	4,043.55	1,947.22	423.69	3,416.37	3,995.68	4,474.30	8,747.58	1,112.88
38.76327	31.813053	25.645441	24.898944	27.322923	29.501769	42.965199	42.160691	34.293464	30.688886	25.801968
38.721522	31.799932	25.50745	24.779023	27.23992	29.487505	42.828903	42.116753	34.239272	30.517778	25.746575
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59931.1186	58678.1181	54419.7706	62391.0802	62358.0419	64495.9485	90058.0278	73645.6852	67777.9882	68168.1894	50127.7079
2295032.8	2238552.04	2122683.83	2419382.23	2386762.67	2451738.37	3401224.43	2751227.64	2633727.74	2708659.8	2103988.2
7069684.31	6932075.11	6255635.1	6837307.56	6735165.12	7052762.72	8097060.15	6809266.38	6773818.59	6902465.24	6565559.82
8018492.78	7793746.83	6549948.55	7158319.85	7292708.2	7986825	8604130.92	7140962.41	7035144.77	6822162.54	7118115.97
	0.000231	0.011126		0.000236	0.011363				0.000454	0.11294
799121.752	764024.54	591817.953	650406.23	703214.004	789263.281	897427.309	754450.996	686316.019	649042.233	530276.873
3.72	3.82	4.6	3.84	3.54	4.28	5.2	4.05	3.76	4.23	2.89
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
9135422.08	8889677.65	7962721.29	8898154.38	8828978.77	9244002.81	12755480	10408135.3	9516882.36	9680762.93	8016640.72
5385078.4	5139333.97	4288915.23	4994735.45	5155172.72	5646569.77	8784899.58	6904682	5857720.05	5788037.08	4201769.38
1356669.94	1323341.8	1199324.3	1363467.75	1324489.14	1339091.83	2153017.32	1797127.87	1528846.86	1567526.15	929010.416
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40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
5385078.4	5139333.97	4288915.23	4994735.45	5155172.72	5646569.77	8784899.58	6904682	5857720.05	5788037.08	4201769.38
59323.6828	56406.2282	51288.7967	55102.0261	53612.2	54332.0012	104132.29	85377.4961	65655.1262	69075.0328	41246.532
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22606.7114	27489.9485	21930.6862	24532.6148	28407.1631	24381.9491
471576.081	454890.989	453468.526	581615.53	585309.323	614836.087	1125821.08	824741.327	746760.185	812675.017	550272.19
-433229.6	-432015.66	-529311.48	-557828.36	-490698.34	-460940.59	-231461.15	-220460.35	-460225.3	-583864.45	-627429.42
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61

2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
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-3581307.8	-4126289.4	-3659162.3	-3892725.9	-3814871.3	-3737016.8	-4126511.3	-3901857.6	-3503708.8	-3901857.6	-3822227.8
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82

23.90612	26.466076	25.926138	22.826264	25.306161	26.626157	27.786077	41.826916	38.136937	30.9969	29.26686
24.248754	24.248638	24.248676	24.248735	24.248696	24.248735	24.248832	24.733767	24.733748	24.733729	24.733748
23.781759	26.341733	25.801769	22.701844	25.181783	26.501781	27.661733	41.702231	38.012243	30.872221	29.142198
23.877421	26.437382	25.897438	22.797551	25.277458	26.597455	27.757382	41.798142	38.108161	30.968128	29.238092
23.159951	25.720014	25.179925	22.079745	24.559892	25.879898	27.040013	41.078808	37.388777	30.248831	28.518887
23.437373	25.997396	25.457363	22.357297	24.837351	26.157353	27.317396	41.35695	37.666939	30.526959	28.79698
23.858289	26.418252	25.878304	22.77841	25.258323	26.57832	27.738252	41.77896	38.088978	30.948946	29.218913
23.896554	26.456511	25.916572	22.816693	25.296593	26.61659	27.776512	41.817325	38.127345	30.987309	29.257271

22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.789836	22.789836	22.789836	22.789836
1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.3	1.3	1.3	1.3
23.6	26.16	25.62	22.52	25	26.32	27.48	41.52	37.83	30.69	28.96
4.814843	4.857435	4.844384	4.830608	4.905512	5.68736	6.358574	6.301657	6.340889	5.678402	5.156259
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
0.02413	0.030023	0.027526	0.0343	0.025433	0.032864	0.029433	0.029311	0.025965	0.027423	0.025937
8080.2	9253.575	8227.125	8691.3	8595.675	8356.05	9259.2	8561.475	7714.35	8578.125	8415.9
21.957065	21.824469	21.880651	21.72825	21.927742	21.704025	21.837735	21.840497	21.915767	21.938938	21.916406
8280	9540	8460	9000	8820	8640	9540	8820	7920	8820	8640
22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.557544	22.5

3.66	3.7	3.76	16.83	0.46			7	8.34	3.66	

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19198.8562	40168.2443	20245.641	18760.3369	3452.15826	1857.30843	235.520563	81493.5057	73091.6576	25708.1586	33630.6778
2.255547	3.36703	2.37535	1.854288	0.619696	0.91657	0.381698	4.056106	4.195514	3.205454	3.443109
1341.89628	6883.05802	2868.01218	1942.59982	614.516934	118.691876	31.175218	8694.97858	5701.63877	1187.14074	693.75963
20497.78	23936.6	21119.54	22446	21926.9	21491.9	23965.6	22201.82	19792.5	22001.14	21512.2
55.700489	56.454245	56.168989	56.115	55.935969	55.823116	56.522641	56.637295	56.228693	56.2689	56.021354
21344	24592	21808	23200	22736	22272	24592	22736	20416	22736	22272
58	58	58	58	58	57.84935	58	58	58	58.148337	58
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
25.320543	38.00297	26.710191	21.000879	7.013154	10.053977	4.208275	45.893116	47.284666	36.197654	38.859286
25.320543	38.00297	26.710191	21.000879	7.013154	10.053977	4.208275	45.893116	47.284666	36.197654	38.859286
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
27663.5737	58823.6209	28460.7516	27907.1273	4520.37905	2304.89576	286.18477	113098.888	105410.133	35201.5275	45809.5433
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.28733
27663.5737	58823.6209	28460.7516	27907.1273	4520.37905	2304.89576	286.18477	113098.888	105410.133	35201.5275	45809.5433
155.8	264.23	182.73	102.31	132.24	111.26	114.89	263.02	235.4	205.13	181.71
14739.1486	6139.53255	6741.87753	11276.8661	537.472116	1419.5829	48.756886	47483.5674	53535.3192	23388.5765	35661.8417
17730.7839	7439.90106	7805.98126	13849.2576	586.506177	1502.15548	53.406275	54599.3026	64018.0919	26945.0645	40947.2144
19.623359	10.988826	11.05938	16.715982	1.658652	6.811203	0.550469	30.174008	35.667576	30.21405	36.842385
259.473041	108.496859	119.487783	204.977318	9.57773	22.198675	0.750177	873.128183	970.526231	401.763186	607.264661
57.481339	59.369028	58.035049	56.957579	55.807525	63.361223	70.049838	58.251354	58.367804	58.917394	59.539522
21.79345	40.307995	26.667132	17.057317	7.250114	6.969734	4.20299	47.097166	47.839694	34.090351	20.205962
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
1.092228	1.979386	1.127606	1.02805	0.190867	0.090389	0.009575	4.582295	4.476875	1.349872	1.773229
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.28733
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.28733
142.466958	730.76314	304.492216	206.242681	65.242269	12.601324	3.309822	923.131816	605.333768	126.036813	73.655338
8066.17486	41634.9556	17329.2208	11209.5844	3593.05275	746.749527	227.471477	50659.1538	34137.5084	7205.90838	4280.41427
4.11	3.36	3.13	2.98	0.37	0.44	0.03	17.27	14.45	6.13	9.22
-4858.2503	-11049.133	-4389.6533	-5420.6769	-389.85419	-138.56333	-9.956406	-14956.167	-17737.305	-4607.0427	-5867.2873
-22589.034	-18489.034	-12195.635	-19269.934	-976.36037	-1640.7188	-63.362682	-69555.47	-81755.397	-31552.107	-46814.502
0.71	6.35	2.39	1.52	0.81	0.16	0.04	5.88	2.76	0.84	0.58
1740.89	4483.3884	2126.7794	1687.0946	283.6993	151.4007	22.1595	9100.3916	7548.5242	2327.2238	2620.5855
0.08	0.33	0.13	0.16	0.03		0.01	0.79	0.64	0.22	0.3

37.24	153.615	60.515	74.48	13.965		4.655	375.0999	303.8784	104.4582	142.443
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
19198.8562	40168.2443	20245.641	18760.3369	3452.15826	1857.30843	235.520563	81493.5057	73091.6576	25708.1586	33630.6778
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
37.24	153.615	60.515	74.48	13.965		4.655	375.0999	303.8784	104.4582	142.443
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
3569.2272	7452.6288	3764.9424	3651.6336	664.4016	309.024	36.0528	16274.1156	14277.2916	4781.868	6169.1352
				0.01			0.35	0.63	0.36	
11.266559	11.158232	11.207978	11.200677		11.176005	11.114305	10.753223	10.830877	11.007263	11.046993
0.483528	0.523964	0.505264	0.521037		0.512807	0.556084	0.804819	0.737091	0.611202	0.583959
0.466304	0.505836	0.487658	0.389402		0.404372	0.539663	0.782158	0.70859	0.58972	0.559254
667941.138	860802.447	731069.157	553348.345		584173.29	909369.892	1159269.11	933289.413	806750.979	622867.816
3080.84198	3151.7165	2841.87314	2617.33484		2392.99377	3170.14126	4049.49887	3401.77247	3331.84571	2906.73812
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
0.037173	0.035165	0.035265	0.039975	0.028647	0.035937	0.029952	0.029285	0.03946	0.035561	0.040234
214148.395	265258.518	227671.913	192747.459		192044.611	281276.735	364275.201	298286.065	281278.615	262444.443
268411.761	332410.891	285165.321	240260.889		241215.034	352545.979	472997.169	386864.334	366138.909	341406.378
3.0994	3.0994	3.0994	3.0994		3.0994	3.099399	3.167299	3.1673	3.1673	3.1673
396046.042	490569.104	421056.435	356467.151		355167.304	520193.193	680211.083	556989.569	525231.557	490062.508
39329.52	45408.99	40264.14	33167.91		33575.28	45654.3	42237.72	37530.21	41964.66	40803.6
106.873695	107.096674	107.085478	82.919775		87.208519	107.675235	107.749285	106.619914	107.326496	106.259375
40848	47064	41736	44400	43512	42624	47064	43512	39072	43512	42624
111	111	111	111	111	110.711688	111	111	111	111.283887	111
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
37.04423	36.690419	36.83205	36.86913		37.191057	36.483757	36.01222	36.347503	36.974369	37.147749
36.625662	36.289324	36.445101	36.429738		36.340584	36.153891	35.800002	36.046808	36.603577	36.728736
704298.173	872663.459	748473.645	633113.291		639765.553	923709.15	1218833.99	999442.367	944715.062	882283.473
530601.414	745577.941	605475.435	483716.472		523967.437	792527.244	1568336.86	1195115.88	923571.363	816700.536
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530601.414	745577.941	605475.435	483716.472		523967.437	792527.244	1568336.86	1195115.88	923571.363	816700.536
354.32	409.09	362.74	298.74		302.48	411.3	380.52	338.11	378.06	367.6
29088.095	2887.01244	9956.06759	72944.7056		41682.5628	6801.09753	53157.0775	58738.2141	129267.782	250078.577
34245.9373	3109.0977	10865.8493	84640.2742		47389.6861	7317.87558	71875.2444	80218.8233	158173.871	306109.646

22.431302	11.299159	16.452847	31.095618		24.791571	10.711968	17.677192	21.074747	30.913111	51.3074
834.504406	82.470917	286.498637	2120.10933		1198.04637	195.734223	1514.82506	1672.62178	3662.02195	7078.57465
22.695323	24.801522	24.927762	21.963734		26.097837	27.619451	37.758891	33.553234	28.257055	26.475539
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19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
51.759836	56.147886	54.130069	43.2237		44.768763	59.90265	86.819632	78.653545	65.626445	62.077208
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18213.1156	23724.2331	20066.4074	15169.3707		16037.9276	25202.9898	32518.4709	26013.4262	21997.918	16759.0733
667941.138	860802.447	731069.157	553348.345		584173.29	909369.892	1159269.11	933289.413	806750.979	622867.816
5.58	0.75	1.58	7.59		8.84	1.45	38.1	29.1	29.06	29.66
173696.76	127085.518	142998.21	149396.819		115798.116	131181.906	-349502.87	-195673.52	21143.6983	65582.9373
139450.822	123976.42	132132.361	64756.5446		68408.4303	123864.03	-421378.12	-275892.34	-137030.17	-240526.71
309.96	378.02	330.79	238.98		246.59	387.09	269.76	237.67	260.57	228.99
			0.2225	1	0.184895					0.002604
74593.1858	107387.368	89917.0815	61242.2302		70071.596	114730.972	106146.09	89918.5153	88391.395	75976.428
0.81	1	0.83	0.76		1.55	0.84	0.7	0.81	0.95	1.02
7268.94	8974	7448.42	6820.24		13909.7	7538.16	6407.8	7414.74	8696.3	9337.08
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.18
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.18
664457.803	822979.995	706221.756	596728.04		596382.338	872739.171	1153208.25	943853.903	891370.466	831468.885
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
7268.94	8974	7448.42	6820.24		13909.7	7538.16	6407.8	7414.74	8696.3	9337.08
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.18
32571.4302	40709.4638	34803.4693	29565.0108		29473.5155	43431.818	59217.935	48173.7235	44648.2956	41477.5075
20.58	4.52	12.19	37.7		31.46	11.99	33.12	34.09	68.81	86.42

0.029076	0.036485	0.024308	0.0316	0.023596	0.030885	0.035259	0.026581	0.02284	0.029464	0.028932

1071.9	1225.59	1100.58	1162.08	1148.25	1116.42	1227.15	1144.74	1031.88	1141.35	1118.67
2.912771	2.890542	2.927074	2.9052	2.929209	2.899792	2.894221	2.920255	2.931477	2.919053	2.913203
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

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0.599181	0.636426	0.651112	0.601795	0.671303	0.678482	0.725828	0.867935	0.828579	0.740363	0.704449
0.288494	0.608645	0.621798	0.462306	0.644449	0.643224	0.593408	0.835513	0.794445	0.707553	0.667944
130147.526	315836.386	285187.371	226652.984	307022.574	299874.157	301658.893	394058.047	337830.842	339396.635	315666.992
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4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
0.048315	0.044858	0.044095	0.044125	0.040637	0.049973	0.042452	0.037959	0.043551	0.04602	0.05289
53098.7262	128725.774	116246.929	92671.1745	125041.456	122004.808	122930.362	157059.706	134782.009	135435.258	126024.31
66443.3082	161367.043	145656.79	115489.853	156881.542	153355.026	153897.783	204215.864	174985.3	175938.662	163644.788
2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.4074	2.4074	2.4074	2.4074
58636.9233	142151.873	128371.484	102336.778	138083.279	134729.909	135751.998	173927.919	149257.597	149981.005	139559.321
7613.15	17414.14	15415.5	13206.16	16171.01	15647.7	14889.61	16216.16	14476.81	16080.28	15638.67
20.687907	41.071084	40.99867	33.0154	41.252576	40.643376	35.117004	41.367755	41.127301	41.126035	40.725703
15824	18232	16168	17200	16856	16512	18232	16856	15136	16856	16512
43	43	43	43	43	42.888311	43	43	43	43.109974	43
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
30.164865	29.009102	28.967989	30.185384	28.857401	28.88537	28.969385	28.468367	28.758765	29.21905	29.356843
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136628.232	321340.547	290070.095	235619.441	312437.959	305555.872	310625.35	398947.877	342177.358	345237.264	321190.688
129366.936	333265.755	290545.094	209955.313	303998.338	308219.075	325005.879	618042.307	494554.048	406399.103	360066.946
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129366.936	333265.755	290545.094	209955.313	303998.338	308219.075	325005.879	618042.307	494554.048	406399.103	360066.946
177.05	404.98	358.5	307.12	376.07	363.9	346.27	377.12	336.67	373.96	363.69

23.238921	25.509403	23.926141	18.698984	24.649161	25.764354	27.656397	39.460652	39.053672	30.912159	24.305348
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4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
12.405244	26.171745	26.73734	19.879175	27.711326	27.586805	25.516556	35.927091	34.161164	30.502608	28.721614
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4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
130147.526	315836.386	285187.371	226652.984	307022.574	299874.157	301658.893	394058.047	337830.842	339396.635	315666.992
7261.29575	-11925.208	-474.99887	25664.1277	8439.62101	-2663.2033	-14380.528	-219094.43	-152376.69	-61161.839	-38876.258
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2.51	3.21	3.01	15.19	57.48	12.38	3.12	3.36	2.49	5.05	3.93
0.497282		0.002659	0.1975		0.002604	0.148584				
37854.2949	105366.607	88324.016	58307.2127	76296.1056	83770.3519	94353.0411	104213.929	89286.8894	86439.3251	74187.5639
1.46	1.24	1.1	2.02	1.22	1.28	2.02	1.08	0.96	1.29	1.22
6480.7064	5504.1616	4882.724	8966.4568	5415.3848	5681.7152	8966.4568	4889.8296	4346.5152	5840.6298	5523.6964
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.595
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.595
125080.232	303518.915	274028.274	217826.631	294964.821	288084.936	289649.781	378143.782	324242.898	325919.667	303204.109
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
6480.7064	5504.1616	4882.724	8966.4568	5415.3848	5681.7152	8966.4568	4889.8296	4346.5152	5840.6298	5523.6964
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.595
5067.2943	12317.4702	11159.0964	8826.3537	12057.7524	11789.2212	12009.1122	15914.2646	13587.9449	13476.9676	12462.883

3.518494	7.048158	3.93057	2.542424	0.28	7.716586	9.857609	4.103584	5.047509
0.005101	0.010317	0.004026	0.005711	0.000204	0.015738	0.022583	0.003682	0.004363
0.004875	0.009966	0.003872	0.00561	0.000204	0.015438	0.022073	0.003622	0.004208
1009.14771	7327.68288	1880.50072	1960.37792	87.109594	2780.18354	2998.02995	187.319212	175.056985
3.865854	23.142659	6.432266	7.533399	0.365587	9.287821	10.30921	0.721333	0.772782

89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
0.028817	0.028537	0.029946	0.033062	0.03	0.029895	0.031391	0.027997	0.028636	0.02977	0.032695
1270.5	2998.1	1027.6	1595.4	56			4258.6	5489.7	1003	1134.8
6375.91821	15315.122	5234.60377	7735.85797	308.781185			17863.0076	23659.3679	4683.11709	5929.45872
1.268275	2.49633	1.402251	0.873731	0.104555			2.408263	3.180052	1.290483	1.874694
196.724615	1420.03917	365.801584	407.683659	15.595694			671.928792	655.32389	41.524999	33.251125
17884.9	20603.1	18277.8	19256.1	19054.9	18623.3	20468.8	19065.5	17100.2	19016.8	18514.8
48.600271	48.592216	48.61117	48.14025	48.609438	48.372207	48.275471	48.636479	48.580113	48.636317	48.215625
18400	21200	18800	20000	19600	19200	21200	19600	17600	19600	19200
50	50	50	50	50	49.870129	50	50	50	50.127877	50
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
24.675891	55.365895	24.958322	20.527174	1.46378			40.834256	63.286429	24.501927	29.638875
17.88108	35.565174	19.704234	12.360592	1.46378			34.331339	45.283543	18.270297	26.639127
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
7307.5166	17955.324	5945.01313	9142.10259	339.283951			20151.8195	27653.2235	5315.95216	6488.40609
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.178375
7307.5166	17955.324	5945.01313	9142.10259	339.283951			20151.8195	27653.2235	5315.95216	6488.40609
223.21	367.55	262	164.25	138.43	104.13	101.88	251.64	301.64	241.91	206.22
5378.0715	8059.01515	3367.42405	5790.97205	221.67159			15287.215	20826.982	4504.84788	5802.17073
6101.49945	9289.84903	3757.60438	6804.99267	242.790723			17073.2808	24246.7652	5112.75506	6307.96675
5.027274	7.524516	4.93254	3.783601	0.676224			10.286975	14.247011	5.810494	7.074404
75.703282	110.300095	46.841561	83.232047	2.886021			254.772588	341.776864	68.076785	78.424919
73.717738	74.314659	74.134567	72.100425	78.19686			63.879639	70.314082	68.057393	73.936733
8.108951	31.791484	14.826913	9.373055	0.781968			20.955848	26.694007	6.125165	4.436204
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
0.24375	0.498349	0.193617	0.2805	0.010204			0.771938	1.103693	0.181585	0.210416
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.178375
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.178375
13.996717	100.999904	25.958438	28.967952	1.113978			47.827411	46.723135	2.923214	2.37508
1009.14771	7327.68288	1880.50072	1960.37792	87.109594			2780.18354	2998.02995	187.319212	175.056985
1.18	2.42	0.87	1.38	0.02			4.54	5.37	0.99	1.38
-920.29739	-2568.6259	-697.08836	-1390.7526	-30.502766			-2084.421	-3828.2116	-623.78507	-511.17838
-7021.7968	-11858.475	-4454.6927	-8195.7453	-273.29349			-19157.702	-28074.977	-5736.5401	-6819.1451
0.06	0.74	0.19	0.15				0.39	0.33	0.04	0.01
658.0709	1941.274	596.1612	825.6866	22.9792			2382.1947	3066.5915	510.1051	473.5566

0.01	0.08	0.01	0.01				0.33	0.25	0.01	0.08
5.078	54.685	9.765	5.078				194.845	143.843	5.18	46.221
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
6375.91821	15315.122	5234.60377	7735.85797	308.781185			17863.0076	23659.3679	4683.11709	5929.45872
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
5.078	54.685	9.765	5.078				194.845	143.843	5.18	46.221
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
6.223	16.891	3.556	10.414				9.546	21.801	3.87	1.548
								0.14		

0.027336	0.039952	0.031489	0.02085	0.023341	0.030677	0.026603	0.029107	0.034488	0.033418	0.02302

1431.76	1628.24	1456.64	1566.64	1531.4	1488.88	1650.88	1522.36	1359.44	1515.6	1500.64
3.890652	3.840188	3.874042	3.9166	3.906632	3.86722	3.893584	3.883571	3.862045	3.876214	3.907916
1472	1696	1504	1600	1568	1536	1696	1568	1408	1568	1536
4	4	4	4	4	3.98961	4	4	4	4.01023	4

10.694533	10.555837	10.587936	10.692361	10.549883	10.566198	10.497618	10.172333	10.243789	10.389546	10.426569
0.349691	0.390636	0.381088	0.379072	0.403492	0.412108	0.454152	0.720032	0.661545	0.522676	0.495515
0.333209	0.369241	0.355953	0.358208	0.380493	0.390477	0.42948	0.683121	0.62532	0.495068	0.467507
241638.52	305681.928	261383.377	278751.457	290017.444	291976.26	351476.102	512300.771	423134.567	378753.596	350059.26
1095.06891	1098.10899	1002.9873	1345.96838	1376.51633	1208.24986	1221.02896	1794.93935	1546.94132	1564.78609	1639.56644
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
0.051929	0.056509	0.068164	0.055725	0.059668	0.055729	0.056721	0.054515	0.054801	0.054566	0.05526
76272.1428	96455.2571	82514.6696	88608.843	91508.5575	92014.3605	110840.623	158379.083	130848.119	117020.311	108753.792
95774.278	121089.298	103477.398	110280.628	115156.237	115901.71	139281.333	205653.765	169837.632	152429.628	141574.906
3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.1787	3.1787	3.1787	3.1787
141904.322	179455.006	153518.543	164856.752	170251.671	171192.718	206218.979	297546.783	245824.361	219846.058	204315.75
20444.954	23442.344	20531.682	22133.806	21600.546	21248.36	23437.07	21718.918	19496.806	21717.746	21205.582

55.55694	55.288547	54.605537	55.334514	55.103433	55.190545	55.276108	55.405403	55.388653	55.544107	55.222869
21564.8	24846.4	22033.6	23440	22971.2	22502.4	24846.4	22971.2	20627.2	22971.2	22502.4
58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.749872	58.599999
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
38.778052	37.461635	38.593137	37.774221	37.930215	37.558265	37.393596	34.947721	35.616501	36.665528	36.547367
33.820375	33.38872	33.490926	33.825028	33.365995	33.415299	33.211205	32.916361	33.144294	33.607733	33.724911
269691.389	338302.037	295820.326	306620.081	322318.565	321614.693	386713.874	538180.599	449637.969	407214.887	376638.591
222698.892	313907.23	253880.5	254748.915	270762.509	283047.318	350763.764	734401.985	570434.488	432260.751	385828.146
-46992.497	-24394.807	-41939.826	-51871.166	-51556.056	-38567.375	-35950.11	196221.386	120796.519	25045.8644	9189.55546
222698.892	313907.23	253880.5	254748.915	270762.509	283047.318	350763.764	734401.985	570434.488	432260.751	385828.146
348.89	400.04	350.37	377.71	368.61	362.6	399.95	370.63	332.71	370.61	361.72
64.010199		4.610829	1087.91686	285.087288	38.704405		1.204487	8.620308	118.03639	1933.02217
61.743575		4.251857	1263.70598	318.073625	39.70726		1.283681	10.137385	116.593603	2447.06818
1.25249		0.13	4.974491	2.007884	0.93674		0.035159	0.236442	2.628468	6.342938
1.805785		0.13	34.035133	9.006217	1.06674		0.035159	0.236442	3.260402	58.856213
23.789313	25.539878	26.983143	20.991297	25.128711	25.639539	28.393053	37.683877	37.883395	31.876605	28.906755
20.387801	22.475093	25.094323	20.983429	25.128228	25.639269	25.269817	33.915489	34.848955	28.348854	27.712514
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
19.526059	21.637566	20.858888	20.99104	22.296933	22.822524	25.16758	40.030908	36.643778	29.085222	27.395953
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7183.78421	9174.328	7842.812	8362.38087	8731.39178	8785.60526	10671.054	15692.0808	12898.3736	11369.0616	10461.1898
241638.52	305681.928	261383.377	278751.457	290017.444	291976.26	351476.102	512300.771	423134.567	378753.596	350059.26
			0.09	0.1	0.02			0.01	0.02	0.26
46992.497	24394.8072	41939.8258	51871.1656	51556.0555	38567.3751	35950.1104	-196221.39	-120796.52	-25045.864	-9189.5555
46930.7535	24394.8072	41935.574	50607.4596	51237.9819	38527.6679	35950.1104	-196222.67	-120806.66	-25162.458	-11636.624
20.19	22.46	20.53	89.94	327.3	83.06	19.2	16.36	20.98	18.53	21.54
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68802.8315	97430.5594	79726.3222	71126.0139	69471.2703	78665.7846	102013.317	95784.7158	82473.5957	80440.8003	70667.6941
1.39	1.62	1.71	1.33	1.59	1.47	1.75	1.26	1.29	1.38	1.2
27988.8593	32620.1094	34432.3377	26780.7071	32016.0333	29599.7289	35237.7725	25878.6234	26494.7811	28343.2542	24646.308
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.198
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.198
237678.6	300544.304	256995.941	275137.38	285407.908	287094.428	345500.312	503200.548	415661.994	372275.686	345890.656
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046

27988.8593	32620.1094	34432.3377	26780.7071	32016.0333	29599.7289	35237.7725	25878.6234	26494.7811	28343.2542	24646.308
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.198
4023.9304	5137.62368	4392.04752	4701.99296	4894.62288	4920.53632	5975.79024	9101.42728	7481.1938	6595.94676	6101.62668
0.15		0.01	1.2	1.1	0.08		0.01	0.03	0.28	0.65
2.4	5.55	3.3	2.1	0.15			4.5	6.75	3.15	2.7
0.003847	0.007871	0.002928	0.005017	0.000204			0.008728	0.015567	0.002755	0.001947
0.003804	0.007547	0.002606	0.0048	0.000204			0.00852	0.015028	0.002653	0.001927
130.948554	977.992909	238.484177	293.103941				177.740088	261.302328	72.998051	
0.54535	3.093455	0.804366	1.095081				0.589929	0.907325	0.282101	
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
0.026494	0.028466	0.037978	0.0429	0.028647	0.028645	0.02	0.020433	0.039232	0.035076	0.027786
294	672	205.8	403.2	16.8			701.4	1110.9	218.4	155.4
1477.39695	3427.75258	1048.18019	1951.90703	93.836232			2793.40608	4558.37906	1000.54191	813.024383
0.81091	1.853854	1.105116	0.67924	0.055854			1.237663	2.012791	0.946503	0.94033
25.681458	185.676951	46.54709	61.709498				45.446539	56.505202	17.832149	
5015.5	5767.02	5064.08	5359.76	5330.78	5222	5817.28	5375.86	4734.66	5295.5	5226.62
13.629076	13.601462	13.468297	13.3994	13.598928	13.563636	13.72	13.713928	13.450738	13.543478	13.610989
5152	5936	5264	5600	5488	5376	5936	5488	4928	5488	5376
14	14	14	14	14	13.963636	14	14	14	14.035805	14
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
12.163655	28.332018	16.57674	10.376112	0.837823			19.712969	30.781627	14.8538	14.354956
12.163655	28.332018	16.57674	10.376112	0.837823			19.712969	30.781627	14.8538	14.354956
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
1673.03534	3997.82349	1176.45385	2272.23436	97.782506			3175.03274	5337.36851	1126.83803	888.758761
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
1673.03534	3997.82349	1176.45385	2272.23436	97.782506			3175.03274	5337.36851	1126.83803	888.758761
121.09	186.59	141.13	93.52	80.22	59.56	65.22	110.5	139.29	137.35	114.12
1346.44839	2481.25967	809.696015	1669.30309	93.836232			2752.16599	4412.57674	959.043855	823.524383
1523.67703	2876.96103	906.098176	1937.57881	97.782506			2978.67355	5044.27357	1054.77321	888.758761
2.178748	4.421561	2.832735	1.925982	0.14			3.915044	6.166974	2.777063	2.52
17.887902	32.421536	10.61686	22.766033	1.12			43.73023	70.292986	13.37119	10.36
80.83612	79.731999	79.53326	75.601089				62.894771	76.778575	59.470231	
4.041806	20.494481	7.157993	6.048087				4.16951	9.981214	1.784106	
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36

0.05326	0.10566	0.036489	0.0672	0.002857			0.119285	0.210397	0.037237	0.026979
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
1.712097	12.378463	3.103139	4.113966				3.029769	3.767013	1.188809	
130.948554	977.992909	238.484177	293.103941				177.740088	261.302328	72.998051	
0.83	1.44	0.61	0.98	0.08			2.53	3.36	0.69	0.6
-195.6384	-538.57091	-128.27366	-309.82733	-3.946273			-245.12666	-663.48944	-94.796127	-65.234377
-1719.3154	-3415.5319	-1034.3718	-2247.4061	-101.72878			-3223.8002	-5707.763	-1149.5693	-953.99314
0.08	0.45	0.12	0.14				0.06	0.18	0.06	
352.7428	986.7606	290.9607	462.008	18.8122			981.6117	1476.5769	266.1135	162.9086
	0.03		0.01				0.13	0.11	0.03	0.01
	31.5		10.5				136.5	115.5	31.5	10.5
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
1477.39695	3427.75258	1048.18019	1951.90703	93.836232			2793.40608	4558.37906	1000.54191	813.024383
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
	31.5		10.5				136.5	115.5	31.5	10.5
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
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11.184965	11.136987	11.173352	11.207601	11.107631	11.134851	11.048681	10.701176	10.788747	10.95979	10.999618
0.255512	0.301324	0.292387	0.266791	0.203849	0.286745	0.317634	0.473622	0.439749	0.357862	0.341599
0.231763	0.290222	0.280806	0.232823	0.13678	0.260192	0.30127	0.458325	0.422907	0.344482	0.327445
1048933.45	1532261.39	1297088.11	1072215.85	600720.18	1176770.46	1562732.36	2119245	1731651.66	1532367.44	1293049.54
4773.66733	5568.17986	5024.69214	5148.29917	2857.30795	4852.73618	5438.58755	7405.59367	6315.34548	6336.7942	6052.47106
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
0.035175	0.036063	0.035273	0.036034	0.032817	0.035317	0.032652	0.030429	0.034467	0.034666	0.033783
348869.637	502014.64	431660.379	379899.358	217327.543	406391.561	515085.96	701592.963	585359.819	539926.932	504926.33
457681.518	673778.351	560827.934	494479.471	275892.555	512329.078	645960.614	985016.717	832996.671	725899.016	686999.233
3.013204	2.951133	2.921194	2.943056	2.67634	2.879039	2.923529	3.040024	3.045747	2.996195	3.007117
596587.287	812175.983	702946.462	623660.681	308334.951	661089.931	862164.17	1151685.78	952071.528	895058.62	833937.578
1564.30235	8488.77415	3280.36086	2411.99298	630.112628	118.691876	31.175218	9412.35391	6413.46786	1246.49789	727.010756
122423.774	149898.799	132553.827	128155.826	96493.791	127888.53	147603.1	139187.583	124260.126	138454.351	135067.892
332.673298	353.534903	352.536773	320.389565	246.15763	332.178	348.120518	355.070364	353.011721	354.103199	351.739302
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4

367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.099999
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
168.147239	224.862041	172.63843	156.732903	76.102376	113.68867	107.055013	205.868651	242.075492	178.41233	185.905078
35.129435	34.304782	34.023381	34.350543	30.605122	33.317749	33.615571	34.042368	34.374241	34.233911	34.502923
1141287.73	1598926.48	1364731.27	1207553.02	639289.666	1269102.45	1621324.6	2275102.49	1907429.41	1733485.91	1626855.76
919311.368	1473527.69	1185483.25	987742.164	579718.292	1117538.73	1468583.07	3057206.89	2398505.15	1803875.54	1615782.34
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919311.368	1473527.69	1185483.25	987742.164	579718.292	1117538.73	1468583.07	3057206.89	2398505.15	1803875.54	1615782.34
1384.02	2036.18	1661.23	1360.48	1096.03	1303.93	1439.51	1760.43	1692.16	1710.68	1595.06
50615.7737	19566.8198	20879.676	92769.7637	1138.06723	43140.8502	6849.85442	118681.23	137521.712	158238.287	294299.136
59663.6412	22715.8088	23339.785	108495.809	1245.15303	48931.5489	7371.28186	146527.785	173538.091	191403.058	356700.654
7.93435	5.965511	5.762863	8.897039	0.896552	8.134878	2.815609	10.339336	13.091394	11.164811	15.880219
1189.37442	333.689409	463.574843	2465.11986	22.58997	1221.31179	196.4844	2686.49123	3055.4543	4148.49352	7833.48045
29.330458	38.465494	32.459409	25.837488	26.493488	26.883408	28.652378	44.273838	43.561106	35.413037	29.637357
29.265321	38.365151	32.445928	25.757194	26.491589	26.863035	28.64683	44.175201	43.542656	35.345396	29.502129
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
85.08038	106.540594	103.08401	85.469665	50.212188	95.268483	110.596363	168.251153	155.249454	126.782971	120.205401
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30120.2056	44839.5226	38296.0132	31722.7461	19660.588	35457.0542	46696.3736	63267.9608	51592.3537	45423.6485	38325.3936
1048933.45	1532261.39	1297088.11	1072215.85	600720.18	1176770.46	1562732.36	2119245	1731651.66	1532367.44	1293049.54
11.7	7.97	6.19	13.02	0.57	9.3	1.48	62.44	52.29	36.89	41.12
221976.366	125398.788	179248.022	219810.855	59571.3733	151563.725	152741.531	-782104.41	-491075.73	-70389.629	11073.424
162312.725	102682.979	155908.237	111315.046	58326.2203	102632.176	145370.249	-928632.19	-664613.83	-261792.69	-345627.23
333.51	411.23	357.03	345.92	385.59	342.19	409.45	295.81	264.41	285.09	255.05
0.045207		0.000241	0.038181	0.090909	0.017045	0.013507				0.000473
184002.016	317595.958	260981.321	193650.246	146092.867	232659.133	311119.489	318608.933	273770.693	258374.963	224088.737
3.75	4.3	3.78	4.29	2.84	4.3	4.62	4.29	4.06	3.88	3.83
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.2484
1320845.25	1855279.24	1587628.07	1403057.18	752480.357	1481351.99	1890540.04	2630388.99	2202188.41	2012468.76	1886753.98
1320845.25	1855279.24	1587628.07	1403057.18	752480.357	1481351.99	1890540.04	2630388.99	2202188.41	2012468.76	1886753.98
1054268.81	1485954.33	1263774.4	1118140.15	584227.506	1173419.01	1508124.78	2136702.5	1785068.2	1620957.64	1520936.81
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.2484
1320845.25	1855279.24	1587628.07	1403057.18	752480.357	1481351.99	1890540.04	2630388.99	2202188.41	2012468.76	1886753.98

45238.1051	65634.0775	54123.1116	46755.4051	17616.7769	46492.2971	61452.7733	100517.289	83541.9548	69506.948	66212.7004
20.73	4.52	12.2	38.9	1.11	31.54	11.99	33.48	35.03	69.46	87.07
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928
2745.03028	4223.56409	3580.62111	2614.54427	4428.1371	3322.24006	4238.78429	2553.85218	2215.86409	2235.35686	1562.1727
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79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928
335.03	411.09	357.05	347.23	390.18	342.12	409.85	293.81	262.45	284.5	255.06
191.404042	236.199094	217.512154	191.010994	184.380427	188.726946	226.487294	202.51693	198.782649	170.722252	149.212849
85.87205	121.061179	112.615393	85.074026	103.741263	99.44378	118.966885	75.391482	82.573219	79.178696	61.088904
29022.9126	49914.2629	40412.451	29938.2132	40502.1905	34389.8387	49027.2094	23484.0903	22797.5431	23320.1765	16022.7026
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-24.525013	-27.296875	-26.394947	-23.130733	-25.367954	-26.761806	-27.951435	-42.020012	-38.191956	-31.306946	-29.359812
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
2566963.71	4281838.34	3459197.18	2469125.26	3042204.92	3269188.28	4600245.2	5442441.07	4298093.19	3493452.18	2739580.47
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928
2745.03028	4223.56409	3580.62111	2614.54427	4428.1371	3322.24006	4238.78429	2553.85218	2215.86409	2235.35686	1562.1727
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79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928
335.03	411.09	357.05	347.23	390.18	342.12	409.85	293.81	262.45	284.5	255.06
191.404042	236.199094	217.512154	191.010994	184.380427	188.726946	226.487294	202.51693	198.782649	170.722252	149.212849
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29022.9126	49914.2629	40412.451	29938.2132	40502.1905	34389.8387	49027.2094	23484.0903	22797.5431	23320.1765	16022.7026
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
2566963.71	4281838.34	3459197.18	2469125.26	3042204.92	3269188.28	4600245.2	5442441.07	4298093.19	3493452.18	2739580.47
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54

277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365075.575	369281.027	340447.634	375260.374	403158.733
1304.80573	947.893968	871.246202	1456.17905	1541.70511	1362.63065	1286.37784	1299.20714	1248.25729	1570.90618	1902.38147
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661
149944.728	149552.582	128603.764	152722.379	184980.451	196498.5	230597.164	356261.748	283302.726	253741.17	256976.725
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661
17.196706	13.554268	13.330701	16.832461	18.74798	19.27777	19.673144	21.866924	21.186873	21.023991	22.998741
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277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365075.575	369281.027	340447.634	375260.374	403158.733
127681.655	102568.736	91287.7556	142653.66	137429.318	129102.076	135376.342	34199.0631	57144.9073	121519.204	146182.008
127681.655	102568.736	91287.7556	142653.66	137429.318	129102.076	135376.342	34199.0631	57144.9073	121519.204	146182.008
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661

277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661
149944.728	149552.582	128603.764	152722.379	184980.451	196498.5	230597.164	356261.748	283302.726	253741.17	256976.725
-127681.65	-102568.74	-91287.756	-142653.66	-137429.32	-129102.08	-135376.34	-34199.063	-57144.907	-121519.2	-146182.01
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	352195.686	354652.32	326938.517	360449.829	386889.728
1261.13794	913.183094	839.502612	1405.56429	1488.28111	1314.48181	1241.0725	1247.75635	1198.70689	1508.96166	1825.43556
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.16474
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20.014664	24.086931	24.340554	24.242879	25.581847	24.183075	23.375146	32.612487	36.025055	24.766204	28.558436
3.002199	0.722607	1.703838	5.333433	11.256012	2.901969	1.63626	1.304499	1.441002	1.733634	5.711687
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.16474
19.360614	15.212315	14.963495	18.925295	21.080149	21.662501	22.109004	24.572214	23.803244	23.625488	25.820741
-99599.529	-74951.819	-67498.135	-113386.41	-103244.17	-93288.956	-93931.091	25200.2529	-8646.4675	-75313.916	-98347.105
-99599.529	-74951.819	-67498.135	-113386.41	-103244.17	-93288.956	-93931.091	25200.2529	-8646.4675	-75313.916	-98347.105
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9351.62276	9099.85959	8378.74212	9237.56609	9915.16474
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	352195.686	354652.32	326938.517	360449.829	386889.728
99599.5287	74951.819	67498.1354	113386.406	103244.173	93288.9557	93931.0908	-25200.253	8646.46752	75313.9155	98347.1046
99599.5287	74951.819	67498.1354	113386.406	103244.173	93288.9557	93931.0908	-25200.253	8646.46752	75313.9155	98347.1046
2.06	0.28	0.58	2.16	4.73	0.97	1.08	0.27	0.27	0.56	0.76
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.16474
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.16474
168716.898	167955.995	144387.356	171704.242	207956.172	220797.814	259132.682	400328.785	318292.05	285135.913	288542.624
-99599.529	-74951.819	-67498.135	-113386.41	-103244.17	-93288.956	-93931.091	25200.2529	-8646.4675	-75313.916	-98347.105
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
907.33503	828.310357	751.604303	793.532211	622.494068	605.991716	673.085824	651.25123	647.245574	834.325363	1017.97288

3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
88777.5111	111228.902	94398.1851	71206.6377	62608.7256	73825.9661	102586.252	151113.802	130552.544	119935.206	119990.011

3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
10.284479	10.162466	9.858665	7.839809	6.451652	7.323417	8.803888	9.23967	9.785666	9.950265	10.917877
-105112.08	-109515.31	-95504.168	-89446.743	-66954.394	-70617.825	-88647.598	-34438.74	-45911.98	-79377.863	-94789.975
-105112.08	-109515.31	-95504.168	-89446.743	-66954.394	-70617.825	-88647.598	-34438.74	-45911.98	-79377.863	-94789.975
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
105112.082	109515.311	95504.1681	89446.7429	66954.3936	70617.8247	88647.5978	34438.7401	45911.9798	79377.8635	94789.9755
105112.082	109515.311	95504.1681	89446.7429	66954.3936	70617.8247	88647.5978	34438.7401	45911.9798	79377.8635	94789.9755

78337.3673	114563	94085.5144	79720.035	82648.3662	92326.54	121110.378	111950.378	96462.0218	92841.5523	81862.8704
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
88777.5111	111228.902	94398.1851	71206.6377	62608.7256	73825.9661	102586.252	151113.802	130552.544	119935.206	119990.011
-105112.08	-109515.31	-95504.168	-89446.743	-66954.394	-70617.825	-88647.598	-34438.74	-45911.98	-79377.863	-94789.975
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986

299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	330308.899	372024.082	237350.807	358425.381	389111.386
1411.81167	1037.14158	1001.01744	1508.49391	1733.4968	1359.60812	1172.95305	1318.08546	875.798259	1509.69709	1845.41409
3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.62777
82261.056	80670.6517	75203.5709	82136.3035	107644.869	101849.198	108816.315	188639.729	105058.84	129121.606	131481.785
3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.62777
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3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3980.9707	4378.51992	2791.049	4214.78577	4575.62777
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	330308.899	372024.082	237350.807	358425.381	389111.386
217025.249	193403.919	176619.684	221903.315	252769.589	221578.394	222526.458	204608.283	132291.967	229303.776	257629.601

217025.249	193403.919	176619.684	221903.315	252769.589	221578.394	222526.458	204608.283	132291.967	229303.776	257629.601
79988.0636	112808.105	96089.0527	82500.7389	82648.3662	92262.3751	121110.378	111205.997	94638.6388	94178.6786	81862.8704
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.62777
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.62777
82261.056	80670.6517	75203.5709	82136.3035	107644.869	101849.198	108816.315	188639.729	105058.84	129121.606	131481.785
-217025.25	-193403.92	-176619.68	-221903.32	-252769.59	-221578.39	-222526.46	-204608.28	-132291.97	-229303.78	-257629.6
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1238814.01	1281509.97	1081201.48	1293448.65	1393939.83
4885.09036	3726.529	3463.37056	5163.76947	5385.97709	4642.7123	4373.48921	4516.30018	3970.00801	5423.89029	6591.204
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
489700.194	509408.131	442592.876	477769.562	563190.217	592971.478	701132.413	1096344.06	837206.16	787933.895	796991.144
20.014664	24.086931	24.340554	24.242879	25.581847	24.183075	23.375146	32.612487	36.025055	24.766204	28.558436
3.002199	0.722607	1.703838	5.333433	11.256012	2.901969	1.63626	1.304499	1.441002	1.733634	5.711687
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
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-549418.51	-480439.78	-430909.74	-567390.13	-560397.47	-514587.25	-540481.49	-248045.83	-243995.32	-505514.76	-596948.69
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20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25386.7948	25198.3264	22072.125	25563.2862	27514.7742
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1238814.01	1281509.97	1081201.48	1293448.65	1393939.83
549418.514	480439.785	430909.743	567390.125	560397.474	514587.25	540481.489	248045.833	243995.322	505514.759	596948.689
549418.514	480439.785	430909.743	567390.125	560397.474	514587.25	540481.489	248045.833	243995.322	505514.759	596948.689
2.06	0.28	0.58	2.16	4.73	0.97	1.08	0.27	0.27	0.56	0.76
318301.558	456497.104	382352.673	327749.651	330593.465	369241.995	484441.511	447057.129	384024.704	375634.453	327451.482
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
489700.194	509408.131	442592.876	477769.562	563190.217	592971.478	701132.413	1096344.06	837206.16	787933.895	796991.144

-549418.51	-480439.78	-430909.74	-567390.13	-560397.47	-514587.25	-540481.49	-248045.83	-243995.32	-505514.76	-596948.69
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
11.184965	11.136987	11.173352	11.207601	11.107631	11.134851	11.048681	10.701176	10.788747	10.95979	10.999618
0.255512	0.301324	0.292387	0.266791	0.203849	0.286745	0.317634	0.473622	0.439749	0.357862	0.341599
0.231763	0.290222	0.280806	0.232823	0.13678	0.260192	0.30127	0.458325	0.422907	0.344482	0.327445
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
2694108.57	3677991.82	3093376.26	2669529.78	2669468.36	3083276.05	4016248.88	4138181.8	3425689.35	3366876.16	3023391.3
12403.788	13518.2729	12068.6838	12926.6129	12671.4221	12817.6885	14050.8611	14475.746	12501.2176	13996.0414	14205.8478
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3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
0.035175	0.036063	0.035273	0.036034	0.032817	0.035317	0.032652	0.030429	0.034467	0.034666	0.033783
348869.637	502014.64	431660.379	379899.358	217327.543	406391.561	515085.96	701592.963	585359.819	539926.932	504926.33
457681.518	673778.351	560827.934	494479.471	275892.555	512329.078	645960.614	985016.717	832996.671	725899.016	686999.233
3.013204	2.951133	2.921194	2.943056	2.67634	2.879039	2.923529	3.040024	3.045747	2.996195	3.007117
596587.287	812175.983	702946.462	623660.681	308334.951	661089.931	862164.17	1151685.78	952071.528	895058.62	833937.578
1564.30235	8488.77415	3280.36086	2411.99298	630.112628	118.691876	31.175218	9412.35391	6413.46786	1246.49789	727.010756
122423.774	149898.799	132553.827	128155.826	96493.791	127888.53	147603.1	139187.583	124260.126	138454.351	135067.892
332.673298	353.534903	352.536773	320.389565	246.15763	332.178	348.120518	355.070364	353.011721	354.103199	351.739302
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.099999
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
168.147239	224.862041	172.63843	156.732903	76.102376	113.68867	107.055013	205.868651	242.075492	178.41233	185.905078
35.129435	34.304782	34.023381	34.350543	30.605122	33.317749	33.615571	34.042368	34.374241	34.233911	34.502923
1141287.73	1598926.48	1364731.27	1207553.02	639289.666	1269102.45	1621324.6	2275102.49	1907429.41	1733485.91	1626855.76
919311.368	1473527.69	1185483.25	987742.164	579718.292	1117538.73	1468583.07	3057206.89	2398505.15	1803875.54	1615782.34
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
-221976.37	-125398.79	-179248.02	-219810.86	-59571.373	-151563.72	-152741.53	782104.406	491075.734	70389.6285	-11073.424
1409011.56	1982935.82	1628076.12	1465511.73	1142908.51	1710510.2	2169715.48	4153550.96	3235711.31	2591809.43	2412773.48
1384.02	2036.18	1661.23	1360.48	1096.03	1303.93	1439.51	1760.43	1692.16	1710.68	1595.06
50615.7737	19566.8198	20879.676	92769.7637	1138.06723	43140.8502	6849.85442	118681.23	137521.712	158238.287	294299.136
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928

335.03	411.09	357.05	347.23	390.18	342.12	409.85	293.81	262.45	284.5	255.06
191.404042	236.199094	217.512154	191.010994	184.380427	188.726946	226.487294	202.51693	198.782649	170.722252	149.212849
7.156004	10.088431	9.384616	7.089502	10.374126	11.049308	13.218542	6.282623	6.881101	6.598224	5.090742
29,022.91	49,914.26	40,412.45	29,938.21	40,502.19	34,389.84	49,027.21	23,484.09	22,797.54	23,320.18	16,022.70
59663.6412	22715.8088	23339.785	108495.809	1245.15303	48931.5489	7371.28186	146527.785	173538.091	191403.058	356700.654
4.62837	3.479881	3.36167	5.189939	0.448276	3.615501	1.251382	6.031279	7.636646	6.512806	9.263461
1,189.37	333.69	463.57	2,465.12	22.59	1,221.31	196.48	2,686.49	3,055.45	4,148.49	7,833.48
29.084852	38.376129	32.342638	25.773532	26.364813	26.81986	28.571711	44.176399	43.501745	35.344074	29.613004
29.020422	38.275916	32.329479	25.697125	26.362943	26.800014	28.566219	44.078243	43.483313	35.276838	29.486124
-27833.538	-49580.574	-39948.876	-27473.093	-40479.601	-33168.527	-48775.82	-19539.43	-19742.089	-19171.683	-8189.2222
-75.634614	-116.93531	-106.24701	-68.682733	-103.26429	-86.152017	-115.03731	-49.845484	-56.085479	-49.032437	-21.326099
-6493167.5	-8114436.6	-7028628.5	-6792402	-6645075.3	-7085658.8	-8474492.5	-8428099.7	-7236644.4	-7568357.7	-7093326.7
-81.234441	-70.876075	-73.184495	-82.092854	-80.414676	-76.771608	-69.997042	-75.300892	-75.033795	-80.271193	-86.675704
-6493167.5	-8114436.6	-7028628.5	-6792402	-6645075.3	-7085658.8	-8474492.5	-8428099.7	-7236644.4	-7568357.7	-7093326.7
50965.151	64648.7369	55676.6017	52826.2253	42146.1757	57936.7013	72083.1684	88466.2872	73664.4787	70986.9347	65840.1678
2088052.16	2522109.31	2170590.73	2117375.54	1724307.87	2284329.18	2801546.37	3400754.98	2812853.15	2825816.09	2686989.37
6313609.97	7858083.81	6805731.71	6596897.86	6531884.61	6873409.21	8205277.02	8072813.24	6941885.41	7289374.8	6833428.47
6860002.74	8991250.51	7705177.46	7040556.29	7475799.95	7623424.53	9412608.25	8663712.28	7381183.52	7639031.82	6813129.74
0.045207		0.000241	0.038181	0.090909	0.017045	0.013507				0.000473
582291.638	888656.061	739423.046	604164.335	559334.698	694227.668	916671.378	877616.439	754257.419	728316.527	633403.089
3.75	4.3	3.78	4.29	2.84	4.3	4.62	4.29	4.06	3.88	3.83
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.2484
7902179.05	10097372.4	8656704.63	8257913.75	7787983.81	8796168.95	10644207.9	12581650.7	10472355.7	10160167.1	9506100.18
4320871.27	5971082.98	4997542.33	4365187.89	3973112.48	5059152.13	6517696.63	8679793.13	6968646.87	6258309.52	5683872.36
1054268.81	1485954.33	1263774.4	1118140.15	584227.506	1173419.01	1508124.78	2136702.5	1785068.2	1620957.64	1520936.81
52154.5254	64982.4263	56140.1766	55291.3452	42168.7657	59158.0131	72334.5574	92410.9477	76719.933	75135.4282	73673.6482
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.2484
4320871.27	5971082.98	4997542.33	4365187.89	3973112.48	5059152.13	6517696.63	8679793.13	6968646.87	6258309.52	5683872.36
45238.1051	65634.0775	54123.1116	46755.4051	17616.7769	46492.2971	61452.7733	100517.289	83541.9548	69506.948	66212.7004
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
489700.194	509408.131	442592.876	477769.562	563190.217	592971.478	701132.413	1096344.06	837206.16	787933.895	796991.144
-549418.51	-480439.78	-430909.74	-567390.13	-560397.47	-514587.25	-540481.49	-248045.83	-243995.32	-505514.76	-596948.69
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83

2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
-3901857.6	-3822227.8	-4061117.1	-3742598.1	-4140746.8	-3742598.1	-3822227.8	-4220575.6	-3979894.7	-3573783	-4142339.4
-3901857.6	-3822227.8	-4061117.1	-3742598.1	-4140746.8	-3742598.1	-3822227.8	-4220575.6	-3979894.7	-3573783	-4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
23.146963	24.166881	26.756889	26.206849	23.066919	25.576884	26.916964	28.096965	42.527333	38.777299	31.517393
24.733786	24.733748	24.733634	24.733653	24.73371	24.733786	24.73371	24.733748	25.228553	25.228422	25.228516
23.022259	24.04221	26.632215	26.082191	22.942233	25.452212	26.79226	27.97226	42.402479	38.652458	31.392514
23.118185	24.13811	26.728118	26.178082	23.038145	25.548113	26.888186	28.068187	42.498521	38.748489	31.488574
22.39874	23.418858	26.008846	25.458904	22.318803	24.828853	26.168738	27.348736	41.778207	38.028257	30.768122
22.676925	23.696969	26.286965	25.736986	22.596949	25.106967	26.446925	27.626924	42.056728	38.306747	31.046697
23.099	24.11893	26.708937	26.158904	23.018963	25.528933	26.869001	28.049002	42.479313	38.729283	31.469362
23.13737	24.15729	26.747298	26.19726	23.057328	25.567294	26.907372	28.087373	42.517729	38.767695	31.507787

22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	23.245633	23.245633	23.245633
1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.35	1.35	1.35
22.84	23.86	26.45	25.9	22.76	25.27	26.61	27.79	42.22	38.47	31.21
4.859924	4.866787	4.905947	4.895148	4.878618	4.957323	5.750006	6.441123	6.440726	6.450381	5.79773
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
0.036632	0.029921	0.022058	0.025	0.035264	0.035877	0.03151	0.029551	0.025102	0.034232	0.02571
8496.9	8381.475	8977.5	8248.5	9029.925	8156.475	8367.75	9258.075	8598.6	7648.875	8943.975
21.675765	21.826757	22.003676	21.9375	21.70655	21.692752	21.734415	21.835082	21.935204	21.729758	21.975368
8820	8640	9180	8460	9360	8460	8640	9540	8820	7920	9180
22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.555282

7.72	7.42	6.14	9.28	2.48	6.52	7.34	1.66		

2.73151	4.99207	6.499109	4.23855	3.95598	1.31866	1.13028	0.28257	7.25263	7.441009	6.12235
0.01096	0.021178	0.034449	0.021729	0.019982	0.002119	0.001191	0.000073	0.093652	0.089406	0.023487
0.010714	0.02052	0.033333	0.021117	0.01935	0.002074	0.001145	0.00007	0.091122	0.086136	0.022916
7247.44248	9829.13763	39552.1403	19686.2798	10571.0672	354.661035	436.324329	139.780666	64416.2884	47481.8711	9086.02975
33.213527	34.539805	124.085877	65.418945	39.83925	1.468541	1.696012	0.42619	212.765045	162.968161	33.928183
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3

0.029438	0.028489	0.031495	0.026595	0.029663	0.027819	0.029817	0.026084	0.02477	0.029176	0.028823
2294.4684	4304.85976	7429.7072	4337.63788	4397.7311	426.11556	240.37288	16.38906	19513.9074	16563.8766	5107.9237
10744.8066	21322.4362	37705.4051	22005.1675	21272.8836	2070.06038	1392.57016	124.016266	95674.7391	83298.1604	28109.0117
1.377523	2.623066	3.428615	2.24227	2.037157	0.706508	0.663711	0.22701	3.81954	4.064589	3.525038
1293.03843	1632.62691	6527.62983	3259.43092	1805.54472	51.107403	66.884963	16.38906	10801.1352	7807.35564	1383.10064
22066.68	21637.48	22918.7	21228	23412.28	21201.32	21607.9	23950.52	22172.82	19820.34	22981.92
56.292551	56.347604	56.173284	56.457446	56.279519	56.386489	56.124415	56.487075	56.563316	56.307784	56.466633
22736	22272	23664	21808	24128	21808	22272	24592	22736	20416	23664
58	58	58	58	58	58	57.84935	58	58	58	58.142506
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
15.638982	29.817331	38.936457	25.28574	23.178093	8.030204	7.447852	2.410011	43.355308	45.825026	39.511288
15.638982	29.817331	38.936457	25.28574	23.178093	8.030204	7.447852	2.410011	43.355308	45.81946	39.511288
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
14451.1611	30316.5706	55313.1369	31456.6069	30752.1436	2717.02841	1752.4464	148.00266	132029.511	122315.813	37439.764
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
14451.1611	30316.5706	55313.1369	31456.6069	30752.1436	2717.02841	1752.4464	148.00266	132029.511	122315.813	37439.764
109.94	175.34	243.5	176.6	125.74	131.24	108.09	119.42	243.88	230.61	211.76
5723.3725	15705.3024	5456.48013	6552.92415	15017.3961	2139.51804	1196.95324		50784.1101	52312.3767	24154.9089
6366.2259	18875.3147	6683.45495	7822.92451	18166.5008	2344.75499	1273.49051		58057.7172	63006.131	27054.16
10.314458	20.349603	12.734519	9.759989	17.270994	6.619745	5.690175		26.104698	32.080841	31.797319
106.320201	283.70664	95.772095	114.471489	275.208236	39.814009	18.418931		925.020939	929.665676	395.458441
56.661637	57.491801	59.256803	58.471539	57.736633	60.470983	64.891105	85.011037	58.167314	60.705946	66.070908
14.727475	29.212844	40.812172	25.71106	20.756847	2.96185	4.462227	2.550331	44.732696	46.062954	38.890299
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
0.621428	1.190208	1.933333	1.224787	1.122355	0.120319	0.066285	0.004103	5.285102	4.995909	1.332432
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
137.279798	173.333359	693.027904	346.04851	191.691763	5.42599	7.101068	1.74	1146.73906	828.894323	146.841558
7247.44248	9829.13763	39552.1403	19686.2798	10571.0672	354.661035	436.324329	139.780666	64416.2884	47481.8711	9086.02975
1.97	4.39	2.77	2.96	3.95	0.75	0.35		18.76	14.62	6.32
-1480.3461	-4782.1306	-10304.516	-5217.4029	-5163.6802	-222.84933	-119.16884	-8.221994	-16829.112	-22516.722	-4198.8253
-7846.572	-23657.445	-16987.971	-13040.327	-23330.181	-2567.6043	-1392.6594	-8.221994	-74886.829	-85522.853	-31252.985
1.75	1.36	6.07	2.64	1.6		0.08	0.03	7.19	3.89	0.98
923.6996	2083.9706	4308.2021	2360.0672	1958.9663	170.6348	113.7002	9.8926	10635.2705	8608.7218	2425.5914
0.04	0.15	0.33	0.13	0.18	0.03	0.02		0.79	0.52	0.25

18.9924	71.2215	156.6873	61.7253	85.4658	14.2443	9.4962		382.597	251.836	121.075
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
10744.8066	21322.4362	37705.4051	22005.1675	21272.8836	2070.06038	1392.57016	124.016266	95674.7391	83298.1604	28109.0117
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
18.9924	71.2215	156.6873	61.7253	85.4658	14.2443	9.4962		382.597	251.836	121.075
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
2207.016	4140.7824	7146.528	4172.3112	4230.114	409.8744	231.2112	15.7644	19143.0624	16249.0944	5010.852
								0.96	0.88	0.62
11.27755	11.261693	11.169178	11.227784	11.234755	11.198334	11.183466	11.140012	10.790372	10.86353	11.015191
0.465133	0.485935	0.517185	0.499369	0.501621	0.515725	0.521461	0.540835	0.790783	0.724034	0.60738
0.238758	0.467341	0.498741	0.4839	0.484873	0.49919	0.505121	0.523063	0.765187	0.696011	0.586299
363967.483	700504.499	835397.568	745265.889	757279.702	656005.658	749140.703	905150.773	1169217.59	944437.234	877994.857
1735.03415	3146.59246	3011.55184	2847.73946	3559.17949	3055.64686	3049.0145	3103.15064	4015.39279	3389.50731	3557.06603
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
0.039617	0.038671	0.036617	0.031436	0.033798	0.033058	0.03177	0.033632	0.033316	0.037698	0.035098
116890.05	223896.898	251979.545	226287.684	250716.625	232612.688	240076.52	273416.492	356776.501	293427.446	291287.843
151587.292	290750.913	328557.201	295843.652	324753.005	304689.311	313697.644	355896.797	481515.586	395962.092	394452.464
3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.226999	3.227	3.227
218268.791	418082.677	470521.404	422546.992	468163.154	434357.672	448294.887	510550.616	669669.492	550763.315	546747.281
22307.67	40975.65	43629.66	40423.98	44615.34	40356.27	41269.8	45481.14	42062.34	37599.03	43698.48
56.907321	106.707421	106.935441	107.510585	107.248413	107.330505	107.194285	107.266839	107.301887	106.815426	107.367272
43512	42624	45288	41736	46176	41736	42624	47064	43512	39072	45288
111	111	111	111	111	111	110.711688	111	111	111	111.272727
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
38.864038	37.839786	37.557963	37.691575	37.786806	37.593458	37.515404	37.385869	36.885749	37.119502	37.644221
37.464666	37.41188	37.109597	37.29226	37.330944	37.196114	37.153415	37.021253	36.589395	36.8262	37.310907
401480.619	751549.85	847900.117	761038.117	841302.509	782804.771	806686.877	917611.944	1218613.62	1002329.38	996413.946
277552.508	560308.91	711230.65	609408.746	617785.944	610393.456	656897.821	771160.758	1578207.23	1204469.96	975456.63
-123928.11	-191240.94	-136669.47	-151629.37	-223516.56	-172411.31	-149789.06	-146451.19	359593.616	202140.58	-20957.316
277552.508	560308.91	711230.65	609408.746	617785.944	610393.456	656897.821	771160.758	1578207.23	1204469.96	975456.63
200.97	369.15	393.06	364.18	401.94	363.57	371.8	409.74	378.94	338.73	393.68
23965.2159	42989.8311	2982.38947	8265.94748	74594.1869	119292.832	50314.5141	4131.03136	40899.3537	50422.5452	110202.529
26872.0441	50293.4716	3213.93756	8893.10092	85889.72	133025.684	56965.6435	4345.94136	56614.0079	68775.4105	135298.22

26.445252	26.120127	10.384896	14.761355	30.128634	41.172212	24.14687	9.094848	14.418974	19.543052	28.914614
683.557951	1218.4186	81.914719	226.764488	2124.25317	3336.85207	1415.7314	117.597738	1141.05967	1406.78393	3049.04991
22.566075	23.005375	25.132358	25.137909	21.95501	24.828698	26.225588	27.961722	38.432189	34.15519	28.887347
22.508417	22.906132	25.127531	25.125282	21.799895	24.645917	26.171982	27.952455	38.42027	34.13799	28.810183
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
26.502193	51.874911	55.360254	53.713	53.820913	55.410106	55.922805	58.060061	84.935821	77.257272	65.239164
-185026.54	-308271.85	-268379.18	-269909.94	-354566.14	-293997.97	-275277.05	-289365.99	173106.54	48766.0546	-173213.47
-185026.54	-308271.85	-268379.18	-269909.94	-354566.14	-293997.97	-275277.05	-289365.99	173106.54	48766.0546	-173213.47
9705.30205	18701.5474	22505.0693	19969.3235	20265.2468	17497.3479	20114.5486	24499.8683	32153.7823	25787.7761	23503.2901
363967.483	700504.499	835397.568	745265.889	757279.702	656005.658	749140.703	905150.773	1169217.59	944437.234	877994.857
2.28	5.14	0.63	1.46	6.88	12.03	9.77	0.47	30.69	23.67	25.43
123928.111	191240.94	136669.467	151629.371	223516.565	172411.315	149789.056	146451.186	-359593.62	-202140.58	20957.3159
97056.0674	140947.468	133455.53	142736.27	137626.845	39385.6308	92823.413	142105.245	-416207.62	-270915.99	-114340.9
166.78	317.94	363.25	334.99	334.67	281.93	311.35	389.21	275.9	245.09	284.63
0.466836										
39522.7535	79705.9883	104692.608	92149.7271	82924.4768	75947.7101	88706.1659	116202.581	107309.398	91389.6591	93992.3493
1.48	0.88	1.04	0.82	1.03	0.82	0.79	0.91	0.91	0.8	0.88
13547.92	8055.52	9520.16	7506.28	9428.62	7506.28	7231.66	8330.14	8496.67	7469.6	8216.56
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
369856.083	708833.589	799078.605	718390.644	792916.159	739046.983	761992.53	866447.413	1151185.08	946725.408	941199.744
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
13547.92	8055.52	9520.16	7506.28	9428.62	7506.28	7231.66	8330.14	8496.67	7469.6	8216.56
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
18076.6164	34660.7408	39301.3522	35141.1931	38957.73	36251.508	37462.6872	42834.3908	58931.8703	48134.3712	46997.6418
16.84	27.28	4.07	9.33	40.48	58.75	39.8	8.89	27.58	29.82	63.73

0.022653	0.033776	0.031151	0.038005	0.031802	0.023563	0.032578	0.038514	0.030357	0.026051	0.02723

1149.36	1113.09	1185.87	1085.13	1208.31	1101.42	1114.47	1223.01	1140.3	1028.49	1190.67
2.93204	2.898671	2.906544	2.885984	2.904591	2.929308	2.894727	2.884457	2.908928	2.921846	2.925479
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

11.754752	11.788152	11.612687	11.63134	11.825648	11.578188	11.554812	11.442789	11.274586	11.335224	11.435937
0.59783	0.594941	0.636569	0.63427	0.587795	0.665847	0.6801	0.719512	0.844336	0.807608	0.735751
0.349426	0.570493	0.609583	0.601875	0.45464	0.638706	0.642925	0.586245	0.807529	0.769861	0.700254
171781.026	276269.181	311112.778	283591.019	237596.718	298482.521	305901.33	304511.841	389225.057	334353.347	356867.152
819.754633	1239.62655	1123.73269	1086.76895	1155.36685	1399.52716	1249.04726	1037.23027	1341.76466	1205.66964	1457.22598
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
0.045484	0.042083	0.043259	0.049707	0.047043	0.042659	0.053437	0.044433	0.044056	0.048437	0.048651
68697.6365	110391.322	124022.26	112876.723	95094.446	118953.013	121846.619	121535.435	152200.392	130926.154	139643.349
89049.6309	143377.242	161685.696	147595.159	123099.279	155084.897	158972.315	157845.586	205861.979	176685.305	188866.085
2.407399	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4519	2.4519	2.4519
76075.7626	122247.351	137342.251	124999.683	105307.59	131728.566	134932.946	134588.341	167709.612	144267.53	153873.006
9835.82	15817.12	16785.05	15324.77	13814.61	15478.28	15588.79	14830.27	16113.39	14402.85	16690.45
25.091377	41.190416	41.139828	40.757367	33.208197	41.165638	40.490363	34.977051	41.105586	40.917187	41.008476
16856	16512	17544	16168	17888	16168	16512	18232	16856	15136	17544
43	43	43	43	43	43	42.888311	43	43	43	43.105651
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
30.733378	30.084339	29.660221	29.728302	30.953456	29.558904	29.617547	29.677173	29.288071	29.421263	29.736937
29.436037	29.517262	29.074945	29.117043	29.613098	28.995183	28.941626	28.678186	28.791371	28.938894	29.184591
178708.284	281113.734	316953.407	289295.82	247331.101	303553.456	312511.655	314019.843	394766.861	339294.789	363101.681
154382.447	260304.552	324493.177	283384.884	213119.472	294804.844	312299.349	323606.871	619669.022	490186.386	426474.676
-24325.837	-20809.182	7539.76985	-5910.9364	-34211.629	-8748.612	-212.30575	9587.0273	224902.161	150891.597	63372.9955
154382.447	260304.552	324493.177	283384.884	213119.472	294804.844	312299.349	323606.871	619669.022	490186.386	426474.676
228.31	367.84	390.35	356.39	321.27	359.96	362.53	344.89	374.73	334.95	388.15

22.354486	23.606662	25.888007	24.287929	22.967022	23.860083	26.187862	26.667901	37.590857	38.19051	31.763318
22.354486	6.845932	7.766402	6.55774	6.201096	5.487819	7.856358	6.133617	9.397714	8.783817	9.846628
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
15.025357	24.531223	26.212107	25.880664	19.549543	27.464361	27.574	25.208537	34.72375	33.104034	30.184938
-60234.092	-78510.727	-57286.666	-64911.6	-83917.496	-70925.352	-63901.534	-53939.545	145347.016	82456.496	-9618.583
-60234.092	-78510.727	-57286.666	-64911.6	-83917.496	-70925.352	-63901.534	-53939.545	145347.016	82456.496	-9618.583

5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
171781.026	276269.181	311112.778	283591.019	237596.718	298482.521	305901.33	304511.841	389225.057	334353.347	356867.152
24325.8374	20809.1824	-7539.7699	5910.93643	34211.629	8748.61202	212.305749	-9587.0273	-224902.16	-150891.6	-63372.995
24325.8374	20809.1824	-7539.7699	5910.93643	34211.629	8748.61202	212.305749	-9587.0273	-224902.16	-150891.6	-63372.995
109.31	3.51	2.84	2.68	2.58	1.97	3.14	2.68	3.01	2.74	4.11
0.387755			0.002659	0.189903		0.002604	0.148584			
45023.2349	78898.1978	103002.852	89113.8596	62360.3625	74140.4191	84853.89	95482.79	104921.612	89727.8369	91404.7387
1.53	1.07	1.29	1.26	2.15	1.12	1.46	2.1	1.2	1.07	1.35
6927.2586	4844.5534	5840.6298	5704.8012	9734.383	5070.9344	6610.3252	9508.002	5541.804	4941.4419	6234.5295
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
165125.394	265624.592	299027.947	272594.842	228406.868	286813.463	293905.261	292433.927	373571.591	320952.834	342739.091
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
6927.2586	4844.5534	5840.6298	5704.8012	9734.383	5070.9344	6610.3252	9508.002	5541.804	4941.4419	6234.5295
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
6655.6322	10644.5887	12084.8302	10996.1769	9189.8493	11669.058	11996.0687	12077.9146	15653.4665	13400.513	14128.0605

0.02426	0.044348	0.038382	0.019361	0.033653	0.035851	0.035312	0.028066	0.029974	0.024289	0.025514

1147.47	1100.91	1177.02	1106.16	1206	1087.56	1111.32	1236.3	1140.75	1030.35	1192.77
2.927219	2.866953	2.884852	2.941914	2.899038	2.892446	2.886545	2.915801	2.910076	2.92713	2.930638
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

1.54	3.805409	6.345312	3.523607	2.819187	0.14	0.14	8.416466	9.185155	4.628274
0.000993	0.004877	0.010122	0.005391	0.005231	0.000065	0.00002	0.019176	0.026822	0.002974
0.000979	0.004765	0.009862	0.005324	0.005091	0.000063	0.00002	0.018438	0.025857	0.002867
374.090622	526.887742	6937.36036	2162.63347	1397.96643		27.537385	4124.53568	5529.04532	732.826348
1.701445	1.76938	21.137822	7.060326	5.106426		0.102225	13.618488	18.80597	2.756579

19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
0.023099	0.027552	0.027855	0.031063	0.030841	0.029215	0.032395	0.031025	0.030625	0.030369	0.030857
268.8	1295.1	2851.6	1417.3	1500.3	16.8	5.6		5079.4	6455.1	821.7
1243.68747	6325.55783	14548.8134	7229.2633	7143.13575	70.19178	27.537385		21320.9907	28883.8223	3834.73343
0.526783	1.341048	2.257296	1.251197	0.972931	0.04178	0.049173		2.609592	3.107053	1.575224
82.744114	98.695964	1349.23925	424.424398	282.609201		5.6		914.166214	1277.60787	175.599651
19176.2	18672.5	19832.8	18253.5	20119.5	18284.8	18573.2	20530.1	19029.9	17031.9	19738.1
48.918877	48.626302	48.609803	48.546542	48.364182	48.629787	48.242077	48.420047	48.545663	48.386079	48.49656
19600	19200	20400	18800	20800	18800	19200	21200	19600	17600	20400
50	50	50	50	50	50	49.870129	50	50	50	50.12285
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
7.374972	28.781713	51.266355	28.883157	23.808111	0.584931	0.688434		42.362214	67.590906	27.389462
7.374972	18.972516	32.084819	17.647342	13.744495	0.584931	0.688434		36.995363	44.282513	22.298931
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385		21519.4847	29055.1663	3851.77043
1324.42288	7225.79596	16835.6015	8289.84969	8250.20702	71.215012	28.072372		23847.6871	34489.1223	4222.00547
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
1324.42288	7225.79596	16835.6015	8289.84969	8250.20702	71.215012	28.072372		23847.6871	34489.1223	4222.00547
172.42	251.45	365.11	273.93	193.06	168.52	142.51	91.78	258.3	286.51	233.42
869.596852	5809.91309	7672.63802	5073.46684	5763.14032	70.19178			17394.9491	23526.121	3118.94408
921.615644	6624.58573	8923.4108	5788.84551	6663.72842	71.215012			19314.6965	27835.2287	3420.25076
3.649937	5.626363	6.623172	4.639051	3.893006	0.4			11.251301	13.409393	6.222422
13.289706	84.450288	105.190813	69.94607	85.829366	1.2			296.123841	364.403446	45.978596
65.545346	71.820455	75.238899	72.897402	71.23915		70.603007		66.415394	73.644506	71.69421
3.277267	6.46384	30.808513	13.850506	11.381542		0.70603		25.066842	31.667137	8.603305
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
0.048979	0.238281	0.493137	0.266223	0.254567	0.003191	0.001038		0.921938	1.292897	0.143734
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
5.910293	7.049711	96.009186	30.153929	20.070633		0.4		65.276158	90.696553	12.521403
374.090622	526.887742	6937.36036	2162.63347	1397.96643		27.537385		4124.53568	5529.04532	732.826348
0.22	1.15	1.98	1.11	1.24	0.03			5.02	5.62	0.72
-80.735406	-888.99513	-2225.6031	-1053.7494	-1089.1003	-1.023231	-0.534986		-2328.2023	-5433.956	-370.23505
-1002.3511	-7513.5809	-11149.014	-6842.5949	-7752.8287	-72.238244	-0.534986		-21642.899	-33269.185	-3790.4858
0.06	0.03	0.7	0.23	0.11		0.01		0.53	0.72	0.2
107.9114	683.4949	1874.1513	860.4344	749.6741	6.551	2.6938		2839.3337	3837.5864	401.5783

	0.01	0.08		0.02				0.35	0.19	0.03
	5.18	46.221		10.36				189.782	134.516	15.849
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385		21519.4847	29055.1663	3851.77043
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385		21519.4847	29055.1663	3851.77043
1243.68747	6325.55783	14548.8134	7229.2633	7143.13575	70.19178	27.537385		21320.9907	28883.8223	3834.73343
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
	5.18	46.221		10.36				189.782	134.516	15.849
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385		21519.4847	29055.1663	3851.77043
	6.063	14.964	6.837	7.611				8.712	36.828	1.188
								0.08	0.1	0.04

0.034005	0.03763	0.032769	0.030425	0.025697	0.01867	0.027109	0.035353	0.029183	0.031562	0.031372

1514.68	1478.2	1578.52	1458.24	1621.24	1475.92	1494.36	1636.04	1522.24	1363.56	1580.8
3.863979	3.849479	3.868921	3.878297	3.897211	3.925319	3.881454	3.858584	3.883265	3.87375	3.884029
1568	1536	1632	1504	1664	1504	1536	1696	1568	1408	1632
4	4	4	4	4	4	3.98961	4	4	4	4.009828

10.70922	10.691224	10.550775	10.631462	10.683422	10.56699	10.568602	10.517799	10.225072	10.289856	10.399093
0.334787	0.352451	0.388358	0.368333	0.366185	0.399201	0.414365	0.435712	0.703064	0.642433	0.515239
0.237311	0.335905	0.367602	0.347316	0.346919	0.376643	0.394849	0.413248	0.663793	0.606915	0.484783
186505.138	258936.074	299973.489	262444.141	287557.106	282229.744	301942.991	346649.847	508208.492	418920.185	394309.282
887.755116	1139.62662	1062.77318	990.500275	1338.99828	1317.99007	1225.28176	1182.39403	1747.83524	1510.02482	1596.82985
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
0.071096	0.051692	0.055735	0.060026	0.055528	0.058484	0.048541	0.054103	0.054719	0.054715	0.058872
57872.5757	80192.0724	92455.3824	80850.4989	89360.0964	87034.5386	93055.7199	107013.505	154087.073	127161.927	119377.992
74703.6033	104016.928	121179.979	106131.492	115277.122	114248.533	122018.555	139648.287	208192.71	171378.971	162069.045
3.178699	3.178699	3.1787	3.178699	3.178699	3.1787	3.178699	3.1787	3.2387	3.2387	3.2387
108725.208	150656.846	173695.927	151893.832	167880.813	163511.788	174823.781	201046.273	291024.255	240170.731	225469.214
16181.804	21339.19	22576.236	20710.998	23023.94	20744.986	21410.096	23502.116	21714.23	19498.564	22501.228

41.280112	55.570807	55.333911	55.082441	55.346009	55.172835	55.610638	55.429518	55.393443	55.393647	55.285572
22971.2	22502.4	23908.8	22033.6	24377.6	22033.6	22502.4	24846.4	22971.2	20627.2	23908.8
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.74398
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
43.845156	39.151506	37.874149	39.085009	39.046846	38.588419	37.428914	38.289698	36.219257	36.683939	37.75264
34.629866	34.570772	34.109444	34.361295	34.549947	34.155899	34.167381	34.012053	33.704035	33.913932	34.264151
228078.532	287195.674	329959.83	292655.583	319692.459	312970.748	327052.747	382181.608	537751.96	445332.081	426848.221
159873.942	236744.329	303693.127	251539.803	259594.253	260680.163	289854.586	339211.407	739004.339	570568.824	450116.243
-68204.59	-50451.345	-26266.703	-41115.78	-60098.206	-52290.585	-37198.161	-42970.201	201252.379	125236.743	23268.0222
159873.942	236744.329	303693.127	251539.803	259594.253	260680.163	289854.586	339211.407	739004.339	570568.824	450116.243
276.14	364.15	385.26	353.43	392.9	354.01	365.36	401.06	370.55	332.74	383.98
85.442556	121.732175		19.714133	505.925028	343.891117	52.675872		4.87094	15.70269	67.431224
87.198567	129.324147		19.136264	595.094542	382.537131	49.904772		7.209691	15.086895	78.870175
1.458583	1.495728		0.523802	3.126656	3.645084	1.308677		0.13	0.430193	1.510432
2.459094	3.586977		0.523802	15.363663	9.905358	1.438677		0.13	0.430193	1.817231
22.727267	23.86795	26.721234	25.524047	23.877208	26.735509	26.579822	28.967421	40.8754	37.270401	31.540541
22.725262	20.275362	23.247474	22.454027	20.997157	24.564937	22.052948	26.070679	37.196614	33.916064	28.069996
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
13.906443	19.684046	21.541509	20.352765	20.329475	22.071324	23.078062	24.216358	38.898295	35.565221	28.478132
-98454.586	-92367.741	-74593.132	-83376.336	-106806.73	-97783.538	-85838.386	-98906.16	120711.066	58769.2036	-39130.854
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5448.86691	7555.08702	8788.936	7652.1162	8441.69834	8288.91264	8883.61532	10267.736	15248.002	12518.5278	11588.7828
186505.138	258936.074	299973.489	262444.141	287557.106	282229.744	301942.991	346649.847	508208.492	418920.185	394309.282
				0.01	0.02			0.01	0.01	0.04
68204.5902	50451.3451	26266.7034	41115.7801	60098.2062	52290.5848	37198.1611	42970.2006	-201252.38	-125236.74	-23268.022
68117.3916	50322.0209	26266.7034	41096.6438	59503.1116	51908.0477	37148.2563	42970.2006	-201259.59	-125251.83	-23346.892
81.34	21.8	23.24	19.07	21.25	19.97	18.85	21.94	18.61	20.11	20.28
0.242346										
50130.8059	73832.9686	95344.3391	83062.261	75136.4537	68247.6915	81311.7259	104649.423	97984.4908	83863.1987	84683.193
2.02	1.37	1.46	1.47	1.54	1.48	1.22	1.73	1.41	1.26	1.55
41487.9518	28137.8683	29986.3414	30191.7273	31629.4286	30397.1132	25057.0798	35531.7607	29538.5976	26396.1936	32471.508
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
183428.811	254673.775	294875.906	258025.324	283157.935	277760.32	296842.336	340694.56	499216.965	411549.702	387538.259
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6

41487.9518	28137.8683	29986.3414	30191.7273	31629.4286	30397.1132	25057.0798	35531.7607	29538.5976	26396.1936	32471.508
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
3161.76908	4384.03092	5097.58288	4438.5312	4905.09596	4813.31444	5153.33132	5955.28688	8996.39788	7386.18522	6838.454
0.35	0.12		0.06	0.28	0.36	0.13			0.03	0.11
0.9	2.55	5.7	3	2.55				4.8	7.35	3.3
0.000537	0.003938	0.008303	0.004171	0.004502				0.010882	0.021718	0.001492
0.00051	0.003854	0.008161	0.004122	0.004278				0.010663	0.021164	0.001421
46.955853	35.571131	988.499218	259.161244	232.378912				301.709918	821.469471	78.738392
0.207744	0.121578	3.004717	0.832586	0.87357				0.977299	2.80105	0.304475
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
0.039413	0.031953	0.022352	0.030053	0.035817	0.028856	0.026041	0.02783	0.025535	0.029659	0.038186
42	310.8	699.3	325.5	373.8				877.8	1564.5	121.8
189.966666	1506.01998	3551.4281	1658.65666	1783.47647				3516.56701	6892.14104	567.045313
0.288468	0.837478	1.905907	1.005393	0.825405				1.336027	2.318535	1.038932
10.5	6.850642	190.90991	50.902217	46.049388				71.82835	193.065101	19.562212
5271.7	5204.22	5584.32	5105.8	5615.4	5112.1	5236	5770.8	5347.86	4781.84	5493.88
13.448214	13.552656	13.687058	13.579255	13.498557	13.59601	13.6	13.610377	13.6425	13.584772	13.498476
5488	5376	5712	5264	5824	5264	5376	5936	5488	4928	5712
14	14	14	14	14	14	13.963636	14	14	14	14.034398
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
4.477034	12.562173	28.833805	15.174658	12.809656				20.980459	36.361678	16.333981
4.477034	12.562173	28.833805	15.174658	12.809656				20.980459	36.361678	16.333981
200.466666	1506.01998	3572.4281	1669.15666	1804.47647				3621.56701	7039.14104	577.545313
199.095071	1691.18001	4026.43176	1873.22986	2021.49385				3934.54658	8210.9134	618.561439
-1.371594	185.160022	454.00366	204.073202	217.017382				312.979571	1171.77237	41.016125
199.095071	1691.18001	4026.43176	1873.22986	2021.49385				3934.54658	8210.9134	618.561439
107.72	130.07	192.39	158.74	140.99	100.89	82.66	54.56	117.32	136.86	117.94
153.510812	1470.44885	2583.92888	1409.99542	1572.09756				3319.85709	6217.67157	498.806921
148.075977	1652.83935	2934.96345	1569.18111	1763.19177				3596.09682	7209.91495	533.579829
0.7	2.375398	4.472163	2.591006	2.203101				4.380579	6.672752	2.893963
2.1	20.26329	33.892672	18.306518	21.85004				53.731443	91.428993	6.815852
77.899886	82.562886	80.689722	78.708549	78.597255				69.439634	70.601202	63.382574
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2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12

0.007142	0.053958	0.114264	0.057712	0.059903					0.149285	0.296306	0.01995
-1.371594	185.160022	454.00366	204.073202	217.017382					312.979571	1171.77237	41.016125
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0.7	0.456709	12.727327	3.393481	3.069959					4.788556	12.871006	1.304147
46.955853	35.571131	988.499218	259.161244	232.378912					301.709918	821.469471	78.738392
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1.371594	-185.16002	-454.00366	-204.0732	-217.01738					-312.97957	-1171.7724	-41.016125
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0.05	0.03	0.55	0.13	0.12					0.2	0.42	0.06
45.3638	381.7444	1060.2594	458.928	429.0225					1245.6636	2123.9117	151.5723
0.01		0.02	0.01	0.02					0.1	0.14	0.01
10.5		21	10.5	21					105	147	10.5
200.466666	1506.01998	3572.4281	1669.15666	1804.47647					3621.56701	7039.14104	577.545313
200.466666	1506.01998	3572.4281	1669.15666	1804.47647					3621.56701	7039.14104	577.545313
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0.15285	0.265793	0.287808	0.276478	0.259157	0.286214	0.291255	0.292805	0.449235	0.415449	0.340754
729922.136	1246101.35	1493961.83	1313409.12	1294634.94	1237072.58	1357448.89	1556452.24	2135493.68	1751543.15	1639068.89
3477.66661	5562.2764	5346.28613	4998.32054	6099.36386	5774.63263	5525.14176	5323.20112	7332.35351	6289.77695	6648.1111
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
0.035345	0.035788	0.033594	0.033885	0.03545	0.033024	0.034628	0.034511	0.032569	0.034232	0.034652
246065.531	420391.052	479437.795	426095.344	441442.999	439043.154	455224.833	501981.822	688535.073	576099.004	556360.607
327518.987	567299.097	667228.523	580463.39	593328.901	576162.993	596108.62	653514.687	1016082.57	863100.492	777898.384
2.971607	2.991641	3.011964	2.99083	3.027028	2.964333	2.967001	2.985321	3.103994	3.111236	3.05376
403069.761	690986.874	781559.582	699440.507	741351.557	729598.026	758051.614	846185.229	1128403.36	935201.576	926089.501
1386.28254	1738.17352	8067.77899	3734.75754	2134.20331	51.107403	72.484963	16.38906	11787.1298	9278.02861	1578.26251
107148.284	135719.835	144245.676	132945.078	143666.545	132999.131	135773.686	147418.371	138842.43	124205.799	144012.273
273.337459	353.43707	353.543323	353.577335	345.352271	353.721093	352.658924	347.684837	354.189872	352.857383	353.838508
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8

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21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
140.933563	178.23685	224.128952	175.848443	167.58297	114.355917	112.698153	107.762752	209.09106	253.002317	188.368532
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607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88
1103.22	1665.42	1975.81	1683.27	1585.18	1478.19	1432.95	1423.93	1750.24	1667.74	1730.59
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34395.1601	77575.5354	21755.7668	24093.1883	113078.236	135824.191	58289.0387	4345.94136	137589.728	166841.772	166385.081
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21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
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21187.999	35857.4642	42790.3097	37732.1656	37054.3875	36118.2866	39621.655	45457.7643	62230.2981	50891.3858	47538.01
729922.136	1246101.35	1493961.83	1313409.12	1294634.94	1237072.58	1357448.89	1556452.24	2135493.68	1751543.15	1639068.89
4.62	11.66	7.04	6.43	13.15	12.83	10.12	0.47	57.76	48.04	32.93
214898.829	256645.181	142412.278	192180.862	311356.602	233226.639	187079.819	179826.137	-805218.45	-507391.37	-70293.778
180503.669	179069.646	120656.511	168087.673	198278.367	97402.4479	128790.781	175480.196	-942808.18	-674233.14	-236678.86
359.29	344.67	396.65	359.74	360.33	303.87	333.43	413.86	305.44	272.97	310.26
0.099721			0.000241	0.017263		0.000236	0.013507			
135753.769	235586.365	310282.412	268005.277	223558.956	218513.007	254988.176	316344.687	324935.768	279550.915	273059.023
5.08	3.48	4.22	3.69	4.94	3.45	3.49	4.74	4.76	3.98	4.07
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71
730588.748	1258285.97	1448788.1	1279903.9	1334680.46	1305761.02	1354160.23	1499699.92	2144485.93	1798302.07	1703987.88
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71

30101.0337	53836.2059	63645.2572	54755.0494	57290.4003	53143.7548	54843.2984	60883.3567	102733.509	85206.9918	72976.1963
17.19	27.4	4.07	9.39	40.76	59.11	39.93	8.89	28.63	30.93	64.51
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441
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369.78	344.14	396.48	359.76	361.04	303.42	332.9	414.18	303.5	271.27	308.94
180.86617	198.022366	239.60012	227.980643	192.852773	156.8438	188.771651	233.718204	204.6022	206.196249	178.004486
98.352186	80.743423	125.741305	118.229308	80.18982	74.506656	95.022602	126.118789	81.111387	88.117314	81.508655
36484.5118	28079.7374	50000.4252	42743.0318	29402.4468	22850.2773	32091.4863	52409.4948	26412.9273	25266.1463	25986.0526
-82162.906	-85536.935	-111941.47	-97897.191	-88349.652	-80634.595	-94112.911	-123376.12	-113980.53	-98089.906	-100044.96
-209.59925	-222.75244	-274.36636	-260.36487	-212.37897	-214.45371	-244.44912	-290.98142	-290.76665	-278.6645	-245.81072
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
-23.212696	-24.947708	-27.578305	-26.742989	-23.514944	-25.636367	-27.033801	-28.258344	-42.711158	-38.845684	-31.854769
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2674628.49	2725612.54	4267157.55	3613109.05	2631243.4	2540109.86	3278291.15	4822998.1	5689564.08	4500674.36	3805303.56
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441
3631.55108	2578.02007	4252.68859	3786.22126	2523.82193	2178.63703	2980.88453	4572.4309	2795.73195	2452.57615	2508.35582
-82162.906	-85536.935	-111941.47	-97897.191	-88349.652	-80634.595	-94112.911	-123376.12	-113980.53	-98089.906	-100044.96
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441
369.78	344.14	396.48	359.76	361.04	303.42	332.9	414.18	303.5	271.27	308.94
180.86617	198.022366	239.60012	227.980643	192.852773	156.8438	188.771651	233.718204	204.6022	206.196249	178.004486
98.352186	80.743423	125.741305	118.229308	80.18982	74.506656	95.022602	126.118789	81.111387	88.117314	81.508655

36484.5118	28079.7374	50000.4252	42743.0318	29402.4468	22850.2773	32091.4863	52409.4948	26412.9273	25266.1463	25986.0526
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-209.59925	-222.75244	-274.36636	-260.36487	-212.37897	-214.45371	-244.44912	-290.98142	-290.76665	-278.6645	-245.81072
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
-23.212696	-24.947708	-27.578305	-26.742989	-23.514944	-25.636367	-27.033801	-28.258344	-42.711158	-38.845684	-31.854769
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2674628.49	2725612.54	4267157.55	3613109.05	2631243.4	2540109.86	3278291.15	4822998.1	5689564.08	4500674.36	3805303.56
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12

377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	380282.998	384703.28	353226.732	405721.468
1808.73566	1384.2249	936.712293	892.492287	1534.52759	1513.91373	1388.4038	1315.42997	1329.38649	1274.29189	1667.34587
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
190112.527	157840.018	146066.809	130064.83	160020.53	179545.856	198532.436	233319.886	364077.324	287341.296	268113.009
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
21.083801	17.161112	13.58046	13.349477	16.817699	18.76153	19.256386	19.693399	21.904384	21.148262	21.008612
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8329.92516	8115.84188	7444.18825	8550.50512
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	380282.998	384703.28	353226.732	405721.468
187177.885	142987.422	106871.99	99070.9463	159354.316	142484.559	139903.379	147893.806	42505.7715	65885.4362	137608.459
187177.885	142987.422	106871.99	99070.9463	159354.316	142484.559	139903.379	147893.806	42505.7715	65885.4362	137608.459
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512

377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
190112.527	157840.018	146066.809	130064.83	160020.53	179545.856	198532.436	233319.886	364077.324	287341.296	268113.009
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377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	365327.093	368023.317	337896.853	388168.462
1736.51508	1331.85934	898.431401	856.243321	1474.761	1455.58359	1333.52299	1263.76811	1271.76575	1218.96461	1595.27545
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
213544.598	177542.205	164006.878	146024.946	179884.228	201932.577	223078.212	262204.75	409125.761	322846.185	301252.872
23.708482	23.229863	25.577805	26.71833	20.948209	11.014209	27.244029	26.567079	33.935058	35.253165	27.715439
15.884682	0.696895	1.023112	1.068733	2.723267	0.220284	2.996843	2.391037	0.678701	0.705063	0.831463
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
23.681709	19.314403	15.240152	14.983748	18.907941	21.100927	21.637571	22.134122	24.614653	23.760748	23.607199
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9362.25405	9120.07761	8363.7835	9608.13025
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	365327.093	368023.317	337896.853	388168.462
148687.035	111858.644	78618.786	73809.4206	127035.534	107650.101	101976.527	104024.011	-20038.247	15050.6679	86915.5897
148687.035	111858.644	78618.786	73809.4206	127035.534	107650.101	101976.527	104024.011	-20038.247	15050.6679	86915.5897
10.9	0.27	0.24	0.44	1.76	0.19	0.52	0.78	0.17	0.06	0.3
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
213544.598	177542.205	164006.878	146024.946	179884.228	201932.577	223078.212	262204.75	409125.761	322846.185	301252.872
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
803.292692	919.425616	791.895282	737.016983	796.585237	594.32469	585.714428	668.149611	648.143058	627.706529	843.363244

3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
74724.9826	93063.6193	109525.315	95544.5059	73627.6952	62143.8597	74097.371	104759.738	157039.066	129965.932	124151.411

3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
8.345717	10.1716	10.23575	9.853106	7.776704	6.527919	7.241826	8.913548	9.361703	9.636925	9.847353
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3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
92875.0451	107035.357	104420.708	94250.7631	92106.9429	63600.0572	68737.1566	88856.075	30964.1706	43816.36	81171.9151
92875.0451	107035.357	104420.708	94250.7631	92106.9429	63600.0572	68737.1566	88856.075	30964.1706	43816.36	81171.9151

82162.9057	83648.4881	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	98398.458
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
74724.9826	93063.6193	109525.315	95544.5059	73627.6952	62143.8597	74097.371	104759.738	157039.066	129965.932	124151.411
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167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326

312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	343352.437	386089.364	238166.224	379572.217
1500.39083	1454.98259	1021.06463	1017.76654	1559.09589	1698.97166	1351.58461	1195.69296	1343.71439	865.717949	1570.71343
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
83354.65	84888.6638	80325.6772	76304.2439	84931.3585	106692.725	102526.14	110748.249	197407.521	103782.416	133949.599
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3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4037.33893	4431.59289	2732.20402	4354.39047
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	343352.437	386089.364	238166.224	379572.217
228809.633	228674.3	193141.093	184252.525	237867.029	252452.411	226365.432	233663.558	209323.499	134383.808	245622.618

228809.633	228674.3	193141.093	184252.525	237867.029	252452.411	226365.432	233663.558	209323.499	134383.808	245622.618
82162.9057	85536.9354	111941.474	96604.185	88015.4304	80634.5952	94112.9109	123376.122	113291.611	96120.8616	99878.1241
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
83354.65	84888.6638	80325.6772	76304.2439	84931.3585	106692.725	102526.14	110748.249	197407.521	103782.416	133949.599
-228809.63	-228674.3	-193141.09	-184252.52	-237867.03	-252452.41	-226365.43	-233663.56	-209323.5	-134383.81	-245622.62
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1282578.34	1326819.2	1103072.1	1378785.47
5848.93426	5090.49245	3648.10361	3503.51913	5364.96972	5262.79367	4659.22584	4443.04066	4593.00968	3986.68097	5676.69799
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
561736.758	513334.506	499924.679	447938.525	498463.811	550315.018	598234.159	711032.623	1127649.67	843935.83	827466.892
23.708482	23.229863	25.577805	26.71833	20.948209	11.014209	27.244029	26.567079	33.935058	35.253165	27.715439
15.884682	0.696895	1.023112	1.068733	2.723267	0.220284	2.996843	2.391037	0.678701	0.705063	0.831463
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
62.475497	56.249306	46.938086	46.335087	52.626965	57.622423	58.181219	60.292221	67.798655	62.307879	65.161913
-657549.6	-590555.72	-483052.58	-451383.65	-616363.82	-566187.13	-536982.49	-574437.45	-262755.19	-259136.27	-551318.58
-657549.6	-590555.72	-483052.58	-451383.65	-616363.82	-566187.13	-536982.49	-574437.45	-262755.19	-259136.27	-551318.58
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25508.8625	25337.3003	21932.3735	26520.8987
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1282578.34	1326819.2	1103072.1	1378785.47
657549.598	590555.723	483052.577	451383.654	616363.821	566187.128	536982.494	574437.45	262755.194	259136.272	551318.581
657549.598	590555.723	483052.577	451383.654	616363.821	566187.128	536982.494	574437.45	262755.194	259136.272	551318.581
10.9	0.27	0.24	0.44	1.76	0.19	0.52	0.78	0.17	0.06	0.3
328651.623	340259.294	447765.897	390295.757	353064.387	322538.381	376451.644	493504.486	455233.188	390390.578	398366.505
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
561736.758	513334.506	499924.679	447938.525	498463.811	550315.018	598234.159	711032.623	1127649.67	843935.83	827466.892

-657549.6	-590555.72	-483052.58	-451383.65	-616363.82	-566187.13	-536982.49	-574437.45	-262755.19	-259136.27	-551318.58
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
11.240136	11.264597	11.140334	11.199031	11.224388	11.1586	11.141793	11.067365	10.750178	10.832708	10.967795
0.205118	0.275976	0.298746	0.287017	0.275435	0.296965	0.302273	0.309017	0.465627	0.432817	0.354511
0.15285	0.265793	0.287808	0.276478	0.259157	0.286214	0.291255	0.292805	0.449235	0.415449	0.340754
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2715525.14	2942131.88	3658864.79	3210035.6	2962658.37	2827323.59	3226602.88	4175920.36	4284141.15	3546286.45	3637160.8
12958.152	13230.7889	13247.0783	12288.0609	13988.1555	13216.0633	13165.2521	14338.6727	14721.0951	12729.0341	14833.1649
-35676.785	-26469.312	-49683.655	-42313.019	-26879.942	-19462.506	-30655.897	-52236.857	-22757.089	-22473.434	-22486.933
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
0.035345	0.035788	0.033594	0.033885	0.03545	0.033024	0.034628	0.034511	0.032569	0.034232	0.034652
246065.531	420391.052	479437.795	426095.344	441442.999	439043.154	455224.833	501981.822	688535.073	576099.004	556360.607
327518.987	567299.097	667228.523	580463.39	593328.901	576162.993	596108.62	653514.687	1016082.57	863100.492	777898.384
2.971607	2.991641	3.011964	2.99083	3.027028	2.964333	2.967001	2.985321	3.103994	3.111236	3.05376
403069.761	690986.874	781559.582	699440.507	741351.557	729598.026	758051.614	846185.229	1128403.36	935201.576	926089.501
1386.28254	1738.17352	8067.77899	3734.75754	2134.20331	51.107403	72.484963	16.38906	11787.1298	9278.02861	1578.26251
107148.284	135719.835	144245.676	132945.078	143666.545	132999.131	135773.686	147418.371	138842.43	124205.799	144012.273
273.337459	353.43707	353.543323	353.577335	345.352271	353.721093	352.658924	347.684837	354.189872	352.857383	353.838508
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
140.933563	178.23685	224.128952	175.848443	167.58297	114.355917	112.698153	107.762752	209.09106	253.002317	188.368532
34.769468	35.133108	35.012792	34.906152	35.427605	34.41276	34.390454	34.378807	34.921503	35.25112	34.909192
822682.405	1353236.52	1558004.4	1378133.98	1442880.12	1401893.35	1447912.09	1613953.18	2291473.89	1922849.65	1824034.1
607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
-214898.83	-256645.18	-142412.28	-192180.86	-311356.6	-233226.64	-187079.82	-179826.14	805218.45	507391.371	70293.7781
1169520.33	1609925.84	1915516.8	1633891.64	1629987.32	1718981.72	1859066.43	2145159.66	4224342.01	3274176.85	2721794.77
1103.22	1665.42	1975.81	1683.27	1585.18	1478.19	1432.95	1423.93	1750.24	1667.74	1730.59
30797.1386	66097.2276	18695.4365	21322.048	97452.746	121846.433	51564.1432	4131.03136	112403.141	132494.417	138042.62
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441

369.78	344.14	396.48	359.76	361.04	303.42	332.9	414.18	303.5	271.27	308.94
180.86617	198.022366	239.60012	227.980643	192.852773	156.8438	188.771651	233.718204	204.6022	206.196249	178.004486
8.941107	6.728618	10.478442	9.852442	6.682485	7.450665	9.50226	14.013198	6.759282	7.343109	6.792387
36,484.51	28,079.74	50,000.43	42,743.03	29,402.45	22,850.28	32,091.49	52,409.49	26,412.93	25,266.15	25,986.05
34395.1601	77575.5354	21755.7668	24093.1883	113078.236	135824.191	58289.0387	4345.94136	137589.728	166841.772	166385.081
3.869839	5.132798	3.40316	3.076188	5.042949	5.183704	3.114572	1.010538	5.628071	7.128802	6.463431
807.73	1,610.43	316.77	430.01	2,522.50	3,387.77	1,435.59	117.60	2,416.07	2,792.71	3,499.12
25.002216	29.710279	39.500265	32.289269	27.515442	26.062177	27.158271	28.744234	44.801219	44.502263	37.161833
24.985565	29.633695	39.470241	32.27555	27.434491	25.938612	27.107705	28.739415	44.692839	44.47835	37.103172
-35676.785	-26469.312	-49683.655	-42313.019	-26879.942	-19462.506	-30655.897	-52236.857	-22757.089	-22473.434	-22486.933
-91.012206	-68.930499	-121.77366	-112.53463	-64.615246	-51.761983	-79.625707	-123.20014	-58.053798	-63.844983	-55.250448
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-82.88188	-82.111252	-71.663074	-73.815114	-83.502956	-84.822261	-77.88187	-70.725205	-75.928574	-75.709026	-80.960626
-6809874.5	-7019549.8	-8016676.3	-7221509.1	-7373978.8	-6837629.2	-7328461.4	-8723324.9	-8651750.8	-7422808.2	-8097007.9
45678.3939	57457.198	61941.049	55154.1587	58947.2053	57784.3179	62021.4246	70966.6268	87567.5984	72823.7593	74058.9087
1949208.49	2349991.58	2476939.09	2212731.3	2409462.57	2353574.73	2492665.54	2839030.58	3462312.88	2854615.25	3017854.36
6682617.84	6802900.97	7771813.77	7001967.34	7146514.83	6608372.85	7090643.95	8460947.53	8305167.26	7134531.08	7809361.32
7414539.32	7317465.73	8931983.7	7975178.45	7586632.4	6946297.51	7766292.25	9793491.37	8989405.81	7659360.5	8262282.68
0.099721			0.000241	0.017263		0.000236	0.013507			
546568.298	661382.594	869989.783	756198.224	664972.995	621685.983	725552.73	933225.295	894149.482	768031.399	771470.489
5.08	3.48	4.22	3.69	4.94	3.45	3.49	4.74	4.76	3.98	4.07
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
7979394.85	8629475.66	9932193.14	8855400.78	9003966.12	8556610.92	9187527.83	10868484.5	12876092.8	10696985.1	10818802.7
4077537.28	4807247.84	5871076.08	5112802.71	4863219.32	4814012.85	5365300.01	6647908.9	8896198.09	7123202.08	6676463.31
730588.748	1258285.97	1448788.1	1279903.9	1334680.46	1305761.02	1354160.23	1499699.92	2144485.93	1798302.07	1703987.88
46486.1209	59067.6238	62257.8193	55584.1711	61469.7098	61172.0894	63457.0137	71139.2641	91223.4368	75616.4715	77558.0287
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
4077537.28	4807247.84	5871076.08	5112802.71	4863219.32	4814012.85	5365300.01	6647908.9	8896198.09	7123202.08	6676463.31
30101.0337	53836.2059	63645.2572	54755.0494	57290.4003	53143.7548	54843.2984	60883.3567	102733.509	85206.9918	72976.1963
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
561736.758	513334.506	499924.679	447938.525	498463.811	550315.018	598234.159	711032.623	1127649.67	843935.83	827466.892
-657549.6	-590555.72	-483052.58	-451383.65	-616363.82	-566187.13	-536982.49	-574437.45	-262755.19	-259136.27	-551318.58
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47

2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
-3736227.7	-3979894.7	-4061117.1	-3979894.7	-3979894.7	-4061117.1	-3817450	-4061117.1	-4142542.5	-4059492.6	-3645258.7
-3736227.7	-3979894.7	-4061117.1	-3979894.7	-3979894.7	-4061117.1	-3817450	-4061117.1	-4142542.5	-4059492.6	-3645258.7
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67

29.75727	23.537427	24.577458	27.207318	26.647396	23.457385	26.007324	27.36739	28.567382	43.626486	39.776488
25.228441	25.228329	25.228441	25.228441	25.228404	25.228385	25.228404	25.22846	25.228497	25.733008	25.732972
29.632442	23.412535	24.452553	27.08247	26.522516	23.33251	25.882473	27.242513	28.442508	43.501976	39.651977
29.728464	23.508606	24.548634	27.178507	26.618577	23.428568	25.978512	27.338572	28.538565	43.597753	39.747755
29.008297	22.788072	23.828028	26.458229	25.898118	22.708132	25.258221	26.618125	27.818137	42.879425	39.029422
29.286762	23.066679	24.106662	26.736736	26.176695	22.986701	25.536733	26.896698	28.096702	43.157178	39.307177
29.709259	23.489392	24.529418	27.1593	26.599365	23.409356	25.959304	27.319361	28.519354	43.578598	39.728599
29.747668	23.52782	24.56785	27.197715	26.637789	23.44778	25.99772	27.357784	28.557777	43.616909	39.76691

23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.710545	23.710545
1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.4	1.4
29.45	23.23	24.27	26.9	26.34	23.15	25.7	27.06	28.26	43.32	39.47
5.24082	4.939329	4.94952	4.991504	4.98417	4.968809	5.037629	5.849688	6.541028	6.589057	6.601689
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
0.033641	0.029846	0.027175	0.027142	0.03551	0.03315	0.028085	0.029775	0.034509	0.022882	0.033238
8001.45	8556.75	8755.425	8580.6	8506.8	8701.65	8222.4	8732.025	8863.2	8618.175	7656.75
21.74307	21.828443	21.888562	21.889285	21.70102	21.754125	21.868085	21.775623	21.723529	21.98514	21.75213
8280	8820	9000	8820	8820	9000	8460	9000	9180	8820	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5	22.5

0.96	2.73	5.6	3.69	2.78	14.16	0.72			10.04	8.8

0.029103	0.029591	0.0304	0.030663	0.026326	0.033575	0.034308	0.032875	0.026102	0.021352	0.029034
7325.90982	2709.65792	3927.91138	7249.42754	4485.13942	4108.19104	912.32434	600.9322	147.50154	18148.1524	16033.9637
38626.3023	13392.3615	20549.1145	38216.9225	23781.3614	20060.0956	4432.05582	3216.72816	906.826994	92339.9578	83185.8579
3.616613	1.512399	2.160032	3.303201	2.261826	2.004696	1.062523	1.046937	0.530329	4.09355	4.273569
631.364022	572.957078	1771.71316	6690.09683	3633.67993	1349.39374	157.338872	155.894215	133.780942	10845.4309	7904.98847
20722.82	22063.2	22494.72	22038.84	22137.44	22421.06	21059.8	22437.3	23046.3	22250.54	19823.24
56.31201	56.283673	56.2368	56.22153	56.473061	56.05265	56.010106	55.953366	56.486029	56.761581	56.316022
21344	22736	23200	22736	22736	23200	21808	23200	23664	22736	20416
58	58	58	58	58	58	58	57.855361	58	58	58
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
40.685299	17.0389	24.331991	37.28332	25.421196	22.712273	12.076339	11.765014	5.859622	46.220487	48.366689
40.685299	17.0389	24.331991	37.28332	25.421196	22.712273	12.076339	11.765014	5.859622	46.220487	48.366689
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
52442.0481	18701.6436	29175.722	57636.241	33458.7523	29431.7492	5787.47669	4153.32343	1147.75379	126134.124	121250.8
6435.33856	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
52442.0481	18701.6436	29175.722	57636.241	33458.7523	29431.7492	5787.47669	4153.32343	1147.75379	126134.124	121250.8
177.86	130.72	166.74	227.22	193.2	110.08	128.71	106.75	97.43	246.71	224.62
42030.9865	12718.6678	13427.6603	3410.57062	5302.77585	16171.3898	4501.6276	2835.8358	95.989433	44009.9204	49549.1277
47837.4843	14836.4145	16209.6022	4150.99834	6217.45217	19579.9663	4859.59352	3055.94955	104.898292	49920.7828	59851.7551
37.838031	14.642362	14.174738	8.171631	7.981677	18.109096	10.192606	8.361728	0.60351	25.909542	31.444851
710.749102	226.850073	228.920078	59.383237	90.398077	292.897048	80.155586	47.248963	1.456693	775.318133	863.040155
60.002078	57.189164	59.927848	60.852405	60.288679	58.112516	58.429222	61.462813	75.375295	61.272946	61.47547
20.370161	13.702559	23.950205	39.543622	26.504701	19.712868	6.410768	7.990085	6.010815	47.105981	49.746521
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
2.113532	0.733877	1.04255	1.963418	1.214744	1.0904	0.257606	0.159102	0.038382	4.915204	4.836079
6435.33856	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
6435.33856	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
67.030897	60.829926	188.099921	710.276762	385.781922	143.262951	16.704413	16.551036	14.203306	1151.44187	839.259844
3975.72306	3341.54286	11052.207	42014.8703	22941.4477	8005.99816	844.786623	999.462358	965.221961	66850.6091	49934.2109
11.06	3.44	3.91	2.28	2.73	4.11	1.44	0.91	0.09	17.55	13.66
-6435.3386	-2641.4329	-4695.8547	-12210.8	-5214.5288	-5254.3613	-441.06247	-318.02527	-86.542398	-15273.594	-21767.461
-54272.823	-17477.847	-20905.457	-16361.798	-11431.981	-24834.328	-5300.656	-3373.9748	-191.44069	-65194.377	-81619.216
0.36	0.35	1.4	5.63	3.36	0.76	0.07	0.08	0.17	7.85	4.3
2969.8175	1114.6511	1978.9326	4296.5985	2487.1062	1846.1329	388.1704	285.846	88.9127	10073.8777	8413.3172
0.4	0.02	0.16	0.2	0.13	0.18	0.04	0.06	0.02	0.75	0.53

193.72	9.686	77.488	96.86	62.959	87.174	19.372	29.058	9.686	370.4925	261.8147
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
38626.3023	13392.3615	20549.1145	38216.9225	23781.3614	20060.0956	4432.05582	3216.72816	906.826994	92339.9578	83185.8579
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
193.72	9.686	77.488	96.86	62.959	87.174	19.372	29.058	9.686	370.4925	261.8147
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
7186.6872	2658.1632	3853.2648	7111.6584	4399.9032	4030.1184	894.9864	589.512	144.6984	18150.0792	16035.666
		0.01				0.08			0.66	1.02
11.051835	11.273555	11.271967	11.18583	11.226342	11.25938	11.188005	11.166519	11.115017	10.787695	10.848071
0.586773	0.484415	0.482255	0.511133	0.499931	0.487614	0.522536	0.530326	0.561388	0.792209	0.73177
0.565245	0.469735	0.46567	0.491443	0.480545	0.469683	0.505625	0.51228	0.543145	0.767456	0.705978
622574.524	722224.251	754886.26	807783.718	787253.458	728383.823	680419.024	811939.914	917877.242	1208827.24	987916.576
2877.50454	3378.86301	3291.23343	2880.6788	2949.14009	3403.82668	3116.77892	3236.30514	3101.13707	4074.85348	3484.6819
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
0.037554	0.03153	0.035075	0.039362	0.039413	0.0377	0.033351	0.03455	0.033602	0.032015	0.034289
254042.238	229870.807	232653.652	238790.262	234170.907	234228.084	235275.305	253097.998	272039.313	357682.108	297448.884
343721.052	310849.578	315603.981	323903.951	317818.751	315573.845	319346.5	343300.711	368498.014	501435.306	416235.5
3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.292899	3.2929
476837.28	431467.506	436690.905	448209.322	439538.793	439646.115	441611.748	475064.942	510617.79	677056.462	563040.993
39313.98	42140.04	42842.67	41799.27	41797.05	42726.12	40344.06	42865.98	43766.19	42118.95	37732.23
106.831467	107.500102	107.106675	106.63079	106.625127	106.8153	107.298031	106.897705	107.270073	107.446301	107.193835
40848	43512	44400	43512	43512	44400	41736	44400	45288	43512	39072
111	111	111	111	111	111	111	110.723192	111	111	111
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
37.825329	38.597042	38.565441	38.351716	38.461131	38.624404	38.260262	38.182869	38.004795	37.630842	37.805519
37.430457	38.146991	38.135514	37.857808	37.987388	38.10709	37.863869	37.794835	37.634937	37.331777	37.532922
869642.691	786804.302	797387.644	819766.272	803610.954	801935.27	805966.545	866654.558	930964.154	1247790.52	1036060.08
814820.551	559584.345	590156.105	686729.237	643105.467	578196.368	633105.694	711689.248	799087.716	1617327.8	1247700.56
-54822.14	-227219.96	-207231.54	-133037.03	-160505.49	-223738.9	-172860.85	-154965.31	-131876.44	369537.282	211640.477
814820.551	559584.345	590156.105	686729.237	643105.467	578196.368	633105.694	711689.248	799087.716	1617327.8	1247700.56
354.18	379.64	385.97	376.57	376.55	384.92	363.46	386.18	394.29	379.45	339.93
238851.608	56270.1214	34004.7137	2178.7036	7113.86578	63747.5962	117891.181	46684.8238	4776.98211	30106.8896	41286.9467
300156.074	65488.32	38973.3933	2287.20544	7596.25144	74212.5335	132922.673	53177.8672	5066.29658	40981.0896	56690.2061

48.544406	29.382172	27.048249	8.68528	13.976045	31.005977	37.658486	21.453802	8.833966	12.974389	17.39041
6635.06237	1562.92913	931.71287	59.505131	194.156321	1783.92367	3248.58607	1289.61788	132.375074	822.89829	1128.91363
26.700118	22.706834	23.46793	25.444096	25.602915	22.353622	25.03485	26.605067	28.397784	40.193174	35.359981
26.411481	22.639319	23.402898	25.439818	25.592158	22.220587	24.900893	26.559306	28.388693	40.182104	35.342562
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
62.74226	52.140678	51.68939	54.550255	53.34051	52.13483	56.124468	56.721311	60.289161	85.187673	78.363619
-187610.02	-347373.43	-328839.6	-257852.7	-282906.62	-346169.92	-295839.25	-287259.63	-274071.39	182576.844	56163.9455
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16454.0896	18876.2169	19744.0431	21324.1949	20715.3237	19070.0083	17854.2139	21455.6281	24465.6029	32570.6697	26455.0804
622574.524	722224.251	754886.26	807783.718	787253.458	728383.823	680419.024	811939.914	917877.242	1208827.24	987916.576
28.64	5.13	4.12	0.25	0.86	5.07	11.12	8.28	0.66	21.57	19.86
54822.1404	227219.958	207231.54	133037.035	160505.487	223738.902	172860.851	154965.31	131876.439	-369537.28	-211640.48
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223.25	325.98	340.69	347.72	347.52	324.44	280.25	326.46	373.63	290.34	253.76
74015.3046	78866.8208	86004.7351	100981.705	96933.2691	79875.9353	77288.9663	93901.9724	113331.433	109033.001	93699.2401
0.88	0.89	0.91	1.05	0.99	1.05	0.82	0.86	0.89	0.93	0.72
8216.56	8309.93	8496.67	9803.85	9243.63	9803.85	7656.34	8029.82	8309.93	8856.39	6856.56
1002430.57	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
1002430.57	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
820558.332	742317.084	752294.886	772113.273	757357.544	755219.96	760958.249	818365.653	879115.803	1178491.77	979276.493
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
8216.56	8309.93	8496.67	9803.85	9243.63	9803.85	7656.34	8029.82	8309.93	8856.39	6856.56
1002430.57	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
40867.799	36177.2884	36596.0881	37849.149	37009.7796	36911.4596	37351.956	40259.0854	43538.4211	60442.3581	49927.0291
77.57	32.95	23.29	3.28	8.4	35.32	60.66	39.11	8.73	23.95	28.05

1065.54	1138.83	1157.1	1140	1143.48	1167.21	1101.66	1165.38	1183.95	1126.44	1023.36
2.895489	2.905178	2.89275	2.908163	2.91704	2.918025	2.929946	2.906184	2.901838	2.873571	2.907272
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1056
3	3	3	3	3	3	3	2.992518	3	3	3

11.540606	11.797727	11.761469	11.65065	11.65538	11.82819	11.62473	11.599221	11.497213	11.268157	11.318695
0.694795	0.589165	0.596026	0.627278	0.635725	0.576815	0.660069	0.673185	0.723089	0.850927	0.808215
0.661148	0.368102	0.571666	0.598943	0.60264	0.462886	0.633539	0.636081	0.612777	0.814098	0.769166
305814.48	185170.496	294367.043	299733.751	301440.9	237659.453	302231.635	321784.931	312260.539	399786.711	340653.542
1422.38152	866.780753	1279.30622	1070.87182	1130.95946	1135.72945	1391.58538	1286.91564	1051.35547	1351.61457	1205.12996
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
0.048777	0.048392	0.041575	0.046173	0.050484	0.0503	0.041861	0.053625	0.042671	0.044107	0.049005
119754.043	72556.881	115184.745	117279.413	117833.351	93296.8472	118192.469	125744.926	122220.232	153344.642	130734.641
161826.177	98084.6174	156137.402	158893.407	159918.504	125699.759	160215.823	170644.896	165222.921	214577.767	182820.144
2.4519	2.451899	2.451899	2.451899	2.451899	2.451899	2.451899	2.4519	2.4519	2.5022	2.5022
131956.98	79950.4272	126922.07	129230.186	129840.569	102803.796	130236.282	138558.334	134674.474	169016.465	144095.721
15052.15	10507.05	16484.91	16077.7	15965.04	13781.07	15491.18	16236.8	14853.06	16112.53	14394.25
40.902581	26.803698	41.212275	41.01454	40.727142	34.452675	41.199946	40.490773	36.404558	41.103392	40.892755
15824	16856	17200	16856	16856	17200	16168	17200	17544	16856	15136
43	43	43	43	43	43	43	42.892768	43	43	43
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
30.019836	31.365478	30.577606	30.308893	30.369803	31.568824	30.195609	30.234074	30.305711	29.822484	30.040319
29.440635	30.076832	29.975121	29.705792	29.715165	30.153708	29.642103	29.575523	29.343138	29.37549	29.504353
311402.466	192467.204	299862.666	305460.281	307675.429	247819.427	307265.441	328481.277	321312.152	405298.032	346306.178
351205.375	168542.834	275645.727	312154.438	301911.771	212137.228	298922.628	329341.467	337546.835	637455.188	499910.762
39802.9097	-23924.37	-24216.939	6694.15704	-5763.6586	-35682.199	-8342.8131	860.189891	16234.6824	232157.157	153604.583
351205.375	168542.834	275645.727	312154.438	301911.771	212137.228	298922.628	329341.467	337546.835	637455.188	499910.762
350.05	243.87	383.37	373.9	370.98	320.49	360.26	377.32	345.42	374.71	334.75

28.170925	23.044973	21.048021	25.511522	25.243881	25.421516	25.23062	27.92784	29.073539	43.920427	39.487661
9.578114	11.983386	4.841044	7.398341	8.078041	6.609594	7.316879	8.378352	6.396178	14.932945	9.871915
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
28.429402	15.828418	24.581675	25.754566	25.913545	19.904125	27.242207	27.283316	26.349411	35.006224	33.074147
-22792.528	-61849.852	-84424.005	-54607.792	-67355.151	-84448.461	-70122.017	-64866.683	-47649.833	152003.912	85269.5867
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10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
305814.48	185170.496	294367.043	299733.751	301440.9	237659.453	302231.635	321784.931	312260.539	399786.711	340653.542
-39802.91	23924.37	24216.9388	-6694.157	5763.65865	35682.1988	8342.81313	-860.18989	-16234.682	-232157.16	-153604.58
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4.14	7.41	2.8	4.57	3	3.41	2.91	3.64	2.81	3.52	3.2
	0.346938			0.002551	0.1575		0.0025	0.115196		
72219.0881	49153.4933	84725.0593	99458.2797	95011.5041	63061.4796	75756.0386	90172.9336	97165.2319	107206.551	90869.0678
1.21	1.58	1.19	1.24	1.35	2.2	1.09	1.45	1.96	1.17	1.2
5587.9857	7296.7086	5495.6223	5726.5308	6234.5295	10159.974	5033.8053	6696.3465	9051.6132	5511.3201	5652.636
373997.904	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
373997.904	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
293783.157	178035.045	283059.473	288123.592	289759.073	228503.555	290452.105	309203.229	299897.395	383594.232	326915.864
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
5587.9857	7296.7086	5495.6223	5726.5308	6234.5295	10159.974	5033.8053	6696.3465	9051.6132	5511.3201	5652.636
373997.904	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
12031.323	7135.451	11307.5705	11610.1585	11681.8265	9155.8975	11779.5305	12581.7015	12363.144	16192.4792	13737.678
0.02875	0.027806	0.037525	0.044387	0.017729	0.022225	0.027925	0.03855	0.023995	0.025918	0.025198
1072.26	1143.3	1154.97	1123.8	1155.15	1173.33	1096.5	1153.74	1194.63	1145.52	1029.39
2.91375	2.916581	2.887425	2.866836	2.946811	2.933325	2.916223	2.877157	2.928014	2.922244	2.924403
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1056
3	3	3	3	3	3	3	2.992518	3	3	3

4.211604	1.692875	2.957391	5.798597	4.076171	3.106873	0.42	0.56	0.14	7.851219	8.881877
0.004752	0.002533	0.004082	0.012175	0.00489	0.005968	0.000172	0.000227	0.000019	0.015192	0.025661
0.004619	0.002505	0.003945	0.011877	0.004816	0.005715	0.00017	0.00022	0.000019	0.01476	0.025181
24.46962	180.339118	701.58919	9840.1768	3288.27066	1021.19945	13.982948	58.288216		3365.37371	3908.07912
0.110791	0.87787	2.276532	29.667326	10.399348	3.554482	0.059499	0.185527		10.731393	12.908316

85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
0.036263	0.027334	0.028	0.028022	0.030344	0.03265	0.024986	0.030675	0.029767	0.03542	0.026988
1197.8	691.9	1118.1	3312	1333.6	1621.5	44.8	61.6	5.6	4062.5	6278
6224.41129	3223.76439	5848.99617	17731.5697	7147.93153	7806.90112	205.755615	273.676095	32.181137	17445.517	29336.7147
1.564106	0.580172	1.086571	2.139915	1.512519	1.101749	0.135625	0.202426	0.057466	2.512311	3.117705
5.440546	40.589475	135.390505	1840.97955	607.940201	199.32928	3.544088	11.2		760.236482	759.665713
17724.8	19080.9	19410.9	19101.9	19069.6	19225.5	18387.1	19447.1	19717	18925.7	17177.2
48.165217	48.675765	48.52725	48.729336	48.646938	48.06375	48.901861	48.496508	48.32598	48.279846	48.798863
18400	19600	20000	19600	19600	20000	18800	20000	20400	19600	17600
50	50	50	50	50	50	50	49.875311	50	50	50
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
27.529234	13.109417	22.994029	52.895112	29.475686	27.274325	1.89875	2.833966	0.804528	41.361572	65.133992
22.139286	8.193499	15.630616	30.400428	21.269754	15.770749	1.89875	2.833966	0.804528	35.739271	44.597524
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6968.94861	3685.26204	6664.01967	21099.9088	8095.52284	9007.5515	211.806984	283.114527	33.885715	19410.7677	34698.5879
709.407315	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
6968.94861	3685.26204	6664.01967	21099.9088	8095.52284	9007.5515	211.806984	283.114527	33.885715	19410.7677	34698.5879
144.64	203.14	230.84	332.15	282.55	210.97	159.81	116.74	113.08	250.3	274.4
6235.07167	3045.40527	5179.35598	7941.03986	3864.94087	6867.81767	191.772666	215.387879	32.181137	14273.4633	25568.5256
6941.95851	3440.75469	5862.26803	9329.85331	4337.41977	7838.2845	197.633104	223.316221	33.885715	15735.2432	30234.3066
6.251423	2.666266	3.996696	6.138463	4.690509	4.588326	1.073425	1.2	0.4	10.25093	12.893934
84.611389	46.212413	69.293535	102.421106	51.232842	100.260165	2.94685	3.6	0.4	235.018822	389.088163
62.966959	69.383758	74.336855	79.946396	78.064774	78.391374	55.236	75.170544		64.954129	73.816453
0.629669	1.387675	6.657149	29.569397	17.954898	9.705427	0.55236	0.751705		28.42044	35.331275
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
0.230978	0.125255	0.19725	0.593877	0.240816	0.28575	0.00851	0.010972	0.00098	0.73801	1.25909
709.407315	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
709.407315	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
0.38861	2.887586	9.606464	130.378893	43.167157	14.039834	0.253149	0.8		54.281177	54.111836
24.46962	180.339118	701.58919	9840.1768	3288.27066	1021.19945	13.982948	58.288216		3365.37371	3908.07912
1.38	0.71	1.08	2.28	0.99	1.55	0.08	0.07	0.01	3.57	5.87
-709.40732	-459.51765	-783.0745	-3318.6922	-942.31131	-1118.5344	-6.051369	-9.438432	-1.704577	-1771.9307	-5221.9831
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		0.1	1.13	0.44	0.17		0.02		0.52	0.43
523.2662	293.5602	619.3183	2327.3324	811.0144	835.1443	18.3627	28.9539	3.3541	2297.4328	3737.467

0.06		0.04	0.05		0.11				0.33	0.18
31.698		26.009	26.415		72.744				187.785	106.95
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6224.41129	3223.76439	5848.99617	17731.5697	7147.93153	7806.90112	205.755615	273.676095	32.181137	17445.517	29336.7147
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
31.698		26.009	26.415		72.744				187.785	106.95
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
3.432	1.98	5.94	23.232	5.28	9.372				5.535	32.94
									0.13	0.05

10.463026	10.706095	10.695544	10.586839	10.620319	10.709983	10.584955	10.562274	10.508965	10.223994	10.274303
0.478857	0.34349	0.346163	0.38049	0.379667	0.3496	0.402801	0.428251	0.46938	0.711933	0.652322
0.45296	0.245341	0.328856	0.358765	0.356469	0.329315	0.379689	0.407423	0.445939	0.67987	0.617979
332112.637	196873.87	270895.78	287321.491	285344.381	269235.041	289492.963	329866.111	364686.929	530559	434895.719
1542.06859	916.971239	1156.62805	1004.59367	1054.03597	1251.51179	1328.35705	1311.33359	1227.87557	1789.98119	1538.4541
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
0.05576	0.063545	0.0528	0.057525	0.063571	0.060299	0.061462	0.050275	0.051372	0.048316	0.055369
101039.713	59727.2134	81901.7395	86843.1566	86287.2839	81974.2481	87566.4313	99729.9908	110474.788	157674.698	129408.567
136703.134	80862.8535	111702.689	118443.457	117542.348	110244.976	119389.171	135899.914	149742.682	220865.534	180772.469
3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.3047	3.3047
190833.706	112806.788	154687.815	164020.67	162970.793	154824.762	165386.719	188360.034	208653.732	300322.997	246484.497
20307.244	16313.654	22202.368	21649.77	21510.888	22026.568	20679.354	22261.554	22680.544	21861.316	19485.086

55.182728	41.616464	55.505919	55.229005	54.874714	55.066419	54.998281	55.515097	55.589568	55.768663	55.355357
21564.8	22971.2	23440	22971.2	22971.2	23440	22033.6	23440	23908.8	22971.2	20627.2
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.6
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
38.424816	44.052727	40.162408	39.074838	39.822828	39.75834	40.112902	38.41975	38.710864	36.921617	37.343702
34.471094	35.261104	35.216058	34.866349	34.973384	35.280343	34.859136	34.785899	34.624355	34.386819	34.554219
361791.086	238265	302362.502	318541.025	316558.927	298324.666	322811.781	357128.622	398205.905	560261.007	461188.353
369678.132	172979.085	245801.808	290303.313	276639.73	236611.244	272775.931	321522.413	367801.728	775094.588	592278.915
7887.04589	-65285.915	-56560.694	-28237.712	-39919.197	-61713.422	-50035.85	-35606.209	-30404.177	214833.581	131090.563
369678.132	172979.085	245801.808	290303.313	276639.73	236611.244	272775.931	321522.413	367801.728	775094.588	592278.915
346.42	278.39	378.88	369.45	367.08	375.88	352.89	379.89	387.04	373.06	332.51
1187.31911	120.891141	42.6814	4.98801		389.002302	218.828795	28.342976			9.563478
1487.37956	123.462573	41.45831	4.590964		435.898804	233.033736	26.482817			11.224547
5.759632	1.586101	0.799836	0.13		3.721318	2.561306	0.756155			0.25322
34.690065	3.344716	1.169136	0.13		11.514792	6.136735	0.756155			0.25322
28.552333	24.513126	24.759602	26.039836	26.206007	23.436233	26.036639	27.733041	29.743321	41.282042	38.844502
26.761873	18.866863	20.052078	23.175454	22.799226	21.996534	23.416741	23.845938	26.471556	36.741017	34.941519
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
26.543461	14.37703	19.271005	21.023658	20.889137	19.2979	22.249829	23.815486	26.132083	39.840433	36.213619
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9733.30393	5632.45128	7707.23286	8241.144	8188.542	7707.64521	8359.79926	9549.25384	10661.89	15617.45	12746.9408
332112.637	196873.87	270895.78	287321.491	285344.381	269235.041	289492.963	329866.111	364686.929	530559	434895.719
0.16	0.01				0.01	0.04				0.01
-7887.0459	65285.9153	56560.6941	28237.7124	39919.197	61713.4223	50035.8502	35606.2087	30404.1766	-214833.58	-131090.56
-9374.4255	65162.4527	56519.2358	28233.1214	39919.197	61277.5235	49802.8164	35579.7259	30404.1766	-214833.58	-131101.79
19.77	13.82	21.71	22.05	23.8	22.88	18.82	21.32	21.04	18.86	17.4
0.002717	0.242346									
67134.2136	51910.8702	78885.1003	92493.4561	88263.7743	72695.4036	68794.5129	86317.4423	102727.976	100279.18	85666.6581
1.36	1.97	1.5	1.49	1.49	1.37	1.58	1.3	1.6	1.39	1.23
28491.1296	41270.2392	31424.04	31214.5464	31214.5464	28700.6232	33099.9888	27234.168	33518.976	29702.0065	26283.0705
414604.544	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
414604.544	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
327536.84	193669.641	266390.505	282464.127	280513.141	265069.739	284775.89	324259.948	358396.414	521188.53	427256.966
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194

28491.1296	41270.2392	31424.04	31214.5464	31214.5464	28700.6232	33099.9888	27234.168	33518.976	29702.0065	26283.0705
414604.544	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
5763.11646	3325.11964	4547.95718	4862.35166	4831.23978	4554.3044	4935.90224	5634.5059	6290.5151	9370.47	7648.3164
0.82	0.21	0.08	0.01		0.25	0.26	0.07			0.02
1.65	1.5	2.1	5.25	2.7	3		0.15		4.95	7.2
0.002521	0.001639	0.003058	0.009838	0.003263	0.004479		0.00005		0.00925	0.01943
0.002445	0.001607	0.00295	0.009693	0.003086	0.004125		0.00005		0.009005	0.018721
	33.308495	88.257065	1518.64548	399.531242	177.550783				179.168736	395.61146
	0.172084	0.281347	4.510269	1.264138	0.595937				0.588638	1.307837
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26
0.030679	0.038698	0.027925	0.028801	0.030841	0.038175	0.027632	0.0276	0.019975	0.020178	0.03017
189	132.3	247.8	798	254.1	346.5		4.2		741.3	1383.9
996.431702	616.444737	1305.26607	4298.99702	1367.46266	1654.24345		16.249538		3015.79904	6238.71619
0.587967	0.485589	0.718361	1.84043	0.942796	0.991667		0.038689		1.397396	2.289158
	7.134457	16.73736	282.988168	74.196728	35.168501				43.39104	79.405431
4993.94	5275.62	5443.62	5329.94	5318.74	5386.22	5118.54	5445.44	5597.9	5377.26	4779.32
13.570489	13.458214	13.60905	13.596785	13.568214	13.46555	13.613138	13.57965	13.720343	13.7175	13.577613
5152	5488	5600	5488	5488	5600	5264	5600	5712	5488	4928
14	14	14	14	14	14	14	13.965087	14	14	14
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26
8.969508	7.283842	10.775425	27.713596	14.141949	15.14397		0.58034		22.354204	35.79298
8.969508	7.283842	10.775425	27.713596	14.141949	15.14397		0.58034		22.354204	35.79298
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345		16.249538		3152.29904	6385.71619
1107.91456	706.557771	1482.59503	5061.03491	1547.97664	1871.27965		16.830037		3351.86783	7376.25652
100.982857	90.113033	177.328961	751.53789	180.513984	175.036197		0.580498		199.568795	990.540335
1107.91456	706.557771	1482.59503	5061.03491	1547.97664	1871.27965		16.830037		3351.86783	7376.25652
71.97	115.89	130.85	186.07	147.53	105.04	88.62	61.88	66.98	123.67	139.93
1006.9317	583.136242	1217.009	2790.85154	967.931416	1518.69267		16.249538		2973.1303	5990.10473
1107.91456	659.809918	1383.55676	3262.11795	1093.85775	1659.98947		16.830037		3158.52977	6936.17519
1.54	1.334789	1.752087	4.101289	2.203627	2.664458		0.14		4.47532	6.397141
12.6	8.344369	15.404175	34.334122	11.993551	20.755433		0.28		46.527263	86.966304
	70.030188	82.334668	82.966366	85.069968	78.874594				64.795987	79.07377
	0.700301	3.293386	19.082264	8.506996	3.154983				5.831638	11.070327
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26

0.034239	0.0225	0.0413	0.135714	0.043214	0.05775		0.000698		0.126071	0.262102
100.982857	90.113033	177.328961	751.53789	180.513984	175.036197		0.580498		199.568795	990.540335
100.982857	90.113033	177.328961	751.53789	180.513984	175.036197		0.580498		199.568795	990.540335
	0.47563	1.115824	18.865877	4.946448	2.344566				2.892736	5.293695
	33.308495	88.257065	1518.64548	399.531242	177.550783				179.168736	395.61146
0.68	0.48	0.69	1.51	0.6	1.02		0.02		2.84	3.93
-100.98286	-90.113033	-177.32896	-751.53789	-180.51398	-175.0362		-0.580498		-199.5688	-990.54034
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		0.04	0.56	0.23	0.05				0.18	0.26
206.4637	137.1573	309.6496	1236.1986	368.4007	405.8586		4.8056		1070.1815	1917.06
0.01			0.01		0.04				0.13	0.14
10.5			10.5		42				136.5	147
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345		16.249538		3152.29904	6385.71619
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345		16.249538		3152.29904	6385.71619
996.431702	616.444737	1305.26607	4298.99702	1367.46266	1654.24345		16.249538		3015.79904	6238.71619
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26
10.5			10.5		42				136.5	147
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345		16.249538		3152.29904	6385.71619
									0.07	0.03

11.022148	11.25879	11.268686	11.170219	11.198417	11.253148	11.165795	11.136774	11.059313	10.743926	10.814143
0.340727	0.255309	0.273719	0.294691	0.288427	0.268452	0.299227	0.306286	0.32288	0.467195	0.435608
0.327142	0.226716	0.263751	0.28336	0.276878	0.252712	0.288429	0.294908	0.3073	0.451685	0.419527
1264501.83	1107823.81	1331991.14	1448212.65	1400667.99	1244483.07	1273002.39	1464648.71	1595789.93	2209568.1	1817703.74
5859.55815	5178.16077	5767.36174	5120.05049	5220.84461	5825.07046	5840.27794	5838.41266	5383.28938	7444.5499	6412.56439
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
0.035541	0.03563	0.034018	0.036785	0.03477	0.035859	0.031854	0.034972	0.03321	0.033418	0.033698
483548.704	365688.76	435033.948	454272.26	444364.381	415575.371	441991.33	479239.646	504887.434	691653.4	581287.955
688097.508	507029.62	611147.45	661488.304	627576.359	581039.821	603589.306	653352.175	684402.625	1049679.88	898589.402
3.068372	3.088228	3.044036	3.073238	3.0463	3.075768	3.024424	3.028371	3.042237	3.164343	3.177065
799627.967	624224.721	718300.791	741460.178	732350.155	697274.673	737234.749	801983.309	853945.995	1146395.92	953621.211
636.804569	620.681011	1923.84103	8814.06455	4315.81686	1583.89152	160.882961	167.094215	133.780942	11649.0585	8744.05962
129697.744	127730.504	141498.723	138340.94	138124.748	138166.488	132970.834	141301.719	142468.134	139041.951	124467.306
352.439521	325.843122	353.746807	352.910561	352.359051	345.41622	353.645835	352.373364	349.186602	354.698854	353.600301
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	129219.2

367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
183.454026	151.447408	167.406903	225.627478	177.692595	175.082139	122.543863	122.016016	113.685522	214.311208	254.483204
35.291276	36.269569	35.73527	35.8094	35.541751	36.081833	35.143132	35.085053	35.007358	35.571448	35.940752
1596109.43	1237438.91	1431278.89	1511283.73	1464610.21	1381842.01	1441595.94	1556389.68	1651575.6	2345001.22	1978900.27
1596222.97	924199.727	1148925.98	1372984.17	1264759.22	1067255.42	1210803.54	1367006.4	1505617.92	3178774.33	2503215.88
113.543918	-313239.18	-282352.91	-138299.56	-199850.99	-314586.59	-230792.4	-189383.28	-145957.69	833773.114	524315.608
1596222.97	924199.727	1148925.98	1372984.17	1264759.22	1067255.42	1210803.54	1367006.4	1505617.92	3178774.33	2503215.88
1446.08	1354.38	1682.25	1869.05	1740.67	1521.54	1454.47	1428.76	1404.24	1757.94	1654.94
289311.917	72738.2219	53871.4203	16326.1536	17249.5139	88694.4987	122803.41	49780.64	4905.15268	91363.4036	122404.268
357530.811	84548.7617	62470.2787	19034.766	19244.9811	103726.673	138212.933	56500.4459	5205.08059	109795.645	153723.668
15.169273	7.468279	7.395472	4.766446	4.791767	9.239643	10.297164	5.318614	1.967495	9.123016	11.610498
7477.71293	1847.6807	1246.4998	255.773597	347.780792	2209.35111	3337.82525	1341.503	134.231768	1879.76251	2468.26147
30.643699	25.739635	29.963816	39.095941	33.655921	28.409039	26.630788	28.312952	29.810428	46.608859	46.513091
30.48947	25.701686	29.915685	39.089214	33.644673	28.20813	26.55354	28.289368	29.800908	46.540615	46.469201
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
120.093875	83.22776	96.82317	104.021489	101.641969	92.770755	105.882622	107.990887	112.810019	165.813617	154.008659
-248083.23	-502537.55	-506978.08	-369810.1	-428945.98	-528631.81	-461320.98	-439533.35	-409782.32	484242.867	232862.222
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36716.8331	30777.6013	37482.7682	40520.6504	39495.8712	34898.9509	36474.0408	41962.843	45892.2562	63119.1755	51742.7865
1264501.83	1107823.81	1331991.14	1448212.65	1400667.99	1244483.07	1273002.39	1464648.71	1595789.93	2209568.1	1817703.74
41.92	9.77	9.8	6.32	5.18	11.76	12.68	9.28	0.76	45.53	43.33
-113.54392	313239.179	282352.914	138299.56	199850.988	314586.591	230792.4	189383.285	145957.686	-833773.11	-524315.61
-357644.35	228690.418	219882.636	119264.794	180606.007	210859.919	92579.4668	132882.839	140752.605	-943568.76	-678039.28
247.52	347.56	366.74	381.66	378.35	351.71	302.05	351.52	397.65	321.27	279.35
0.000247	0.053571			0.000231	0.014318		0.000227	0.010472		
217068.154	181476.553	252522.795	300793.57	283875.069	218719.954	222246.051	270711.954	313316.908	329960.224	284302.81
3.92	4.46	3.8	4.04	3.96	4.95	3.53	3.67	4.47	4.7	4
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
1844306.2	1426737.27	1655904.06	1742794.27	1693705.2	1595887.23	1672124.52	1806539.74	1915400.24	2694531.47	2270353.66
1844306.2	1426737.27	1655904.06	1742794.27	1693705.2	1595887.23	1672124.52	1806539.74	1915400.24	2694531.47	2270353.66
1487725.47	1131254.34	1329448.24	1402948.48	1359926.51	1278314.49	1340824.05	1455335.48	1538348.62	2196075.8	1852210.61
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
1844306.2	1426737.27	1655904.06	1742794.27	1693705.2	1595887.23	1672124.52	1806539.74	1915400.24	2694531.47	2270353.66

65852.3577	49298.0023	56310.8206	61456.5496	57928.0291	54661.1519	54962.3751	59064.8048	62336.7786	104160.921	87381.6295
78.39	33.16	23.38	3.29	8.4	35.57	61	39.18	8.73	24.81	29.17
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932
1554.39177	2632.42756	2919.22283	4273.43305	4102.74847	2628.92552	2248.84206	3179.09786	4240.29471	3086.4826	2588.42838
-79364.326	-83718.045	-91730.787	-108790.28	-104196.77	-85667.166	-82021.749	-100009.05	-120495.45	-116144.81	-99874.386
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932
246.96	348.42	366.07	382.05	378.02	351.87	301.85	350.48	397.87	319.24	277.88
145.893336	162.00941	199.94874	247.509012	232.135786	194.563487	162.709006	191.959388	235.738274	209.696409	208.743946
63.91471	81.308016	86.014327	130.222634	122.98739	83.265875	77.908408	97.458352	125.267213	82.345592	89.308196
16289.7145	28538.8036	31762.5308	49894.0985	46702.3085	29618.4585	23835.5029	34689.3656	50114.2061	27867.314	25998.8621
-79364.326	-83718.045	-91730.787	-108790.28	-104196.77	-85667.166	-82021.749	-100009.05	-120495.45	-116144.81	-99874.386
-215.66393	-213.56644	-229.32697	-277.52622	-265.80808	-214.16792	-218.14295	-249.39913	-295.33199	-296.28777	-283.73405
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-29.820983	-23.633969	-25.370818	-28.044747	-27.14338	-23.864065	-26.070619	-27.516392	-28.747406	-43.809487	-39.797631
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2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2704172.82	2543083.92	3018223.19	4257450.64	3931282.56	2619901.47	2635709.56	3552515.1	4723656.6	6020016.46	4721209.15
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932
1554.39177	2632.42756	2919.22283	4273.43305	4102.74847	2628.92552	2248.84206	3179.09786	4240.29471	3086.4826	2588.42838
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79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932
246.96	348.42	366.07	382.05	378.02	351.87	301.85	350.48	397.87	319.24	277.88
145.893336	162.00941	199.94874	247.509012	232.135786	194.563487	162.709006	191.959388	235.738274	209.696409	208.743946
63.91471	81.308016	86.014327	130.222634	122.98739	83.265875	77.908408	97.458352	125.267213	82.345592	89.308196

16289.7145	28538.8036	31762.5308	49894.0985	46702.3085	29618.4585	23835.5029	34689.3656	50114.2061	27867.314	25998.8621
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2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2704172.82	2543083.92	3018223.19	4257450.64	3931282.56	2619901.47	2635709.56	3552515.1	4723656.6	6020016.46	4721209.15
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2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22

401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	380190.127	398523.981	367927.948
1871.48215	1841.86496	1454.75147	925.356798	942.521975	1521.79206	1546.51215	1475.23054	1296.10085	1351.81461	1303.51802
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
250361.352	192763.803	167128.16	142872.828	137437.229	157044.944	182593.74	210227.329	228251.509	371657.013	295655.178
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
22.989985	21.052443	17.152359	13.581835	13.288088	16.850392	18.766055	19.262993	19.686578	21.870041	21.206124
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8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8011.99254	8095.60168	7464.55566
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	380190.127	398523.981	367927.948
151080.586	198820.06	158423.633	109754.751	109726.524	162775.499	152215.212	156298.321	152909.813	50030.4199	72272.7701
151080.586	198820.06	158423.633	109754.751	109726.524	162775.499	152215.212	156298.321	152909.813	50030.4199	72272.7701
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566

401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
250361.352	192763.803	167128.16	142872.828	137437.229	157044.944	182593.74	210227.329	228251.509	371657.013	295655.178
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401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	363793.833	379734.34	350459.299
1788.88317	1761.50535	1394.14817	884.077397	900.861011	1456.91573	1481.23635	1411.40224	1240.28966	1288.09619	1241.60784
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
281119.085	216546.352	187973.3	160410.915	154321.901	176568.153	205365.685	236216.79	256500.833	417625.859	332167.078
21.469593	23.454842	21.892746	27.190533	24.549755	24.307606	30.233055	36.676013	21.840606	49.270503	39.450786
0.644087	3.987323	0.437854	1.631431	0.736492	2.43076	0.906991	0.36676	2.18406	1.478115	0.789015
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
25.811674	23.647785	19.30304	15.241613	14.917531	18.946373	21.107866	21.645189	22.125452	24.575746	23.824431
-102628.24	-157958.9	-123963.84	-80967.473	-81924.055	-129605.24	-115271.24	-114443.93	-108228.96	15779.6498	-18292.22
-102628.24	-157958.9	-123963.84	-80967.473	-81924.055	-129605.24	-115271.24	-114443.93	-108228.96	15779.6498	-18292.22
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9004.50215	9097.14691	8386.20002
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	363793.833	379734.34	350459.299
102628.244	157958.903	123963.84	80967.4731	81924.055	129605.24	115271.244	114443.933	108228.962	-15779.65	18292.2205
102628.244	157958.903	123963.84	80967.4731	81924.055	129605.24	115271.244	114443.933	108228.962	-15779.65	18292.2205
0.17	1.51	0.08	0.73	0.07	0.96	0.27	0.02	0.86	0.39	0.15
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
281119.085	216546.352	187973.3	160410.915	154321.901	176568.153	205365.685	236216.79	256500.833	417625.859	332167.078
-102628.24	-157958.9	-123963.84	-80967.473	-81924.055	-129605.24	-115271.24	-114443.93	-108228.96	15779.6498	-18292.22
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
963.42594	781.379574	931.494878	747.011875	746.68997	767.245738	589.64856	601.665347	629.617491	624.747192	627.843893

4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
117415.169	74731.9242	98008.0071	106260.673	100482.931	73708.3002	63237.2572	78970.0669	101878.713	156004.663	135644.725
4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
10.929946	8.275378	10.184633	10.166839	9.768732	7.863501	6.588953	7.273096	8.850861	9.191216	9.825023
-88643.17	-91455.548	-110695.51	-97911.417	-95694.31	-87430.58	-63682.32	-70442.826	-83120.575	-28574.821	-41529.535
-88643.17	-91455.548	-110695.51	-97911.417	-95694.31	-87430.58	-63682.32	-70442.826	-83120.575	-28574.821	-41529.535
4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
88643.1697	91455.5477	110695.51	97911.417	95694.3102	87430.58	63682.3201	70442.8263	83120.5749	28574.8211	41529.5347
88643.1697	91455.5477	110695.51	97911.417	95694.3102	87430.58	63682.3201	70442.8263	83120.5749	28574.8211	41529.5347
78403.5258	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
117415.169	74731.9242	98008.0071	106260.673	100482.931	73708.3002	63237.2572	78970.0669	101878.713	156004.663	135644.725
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206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	336604.28	389463.981	252286.247
1784.16932	1494.35333	1505.1582	994.023548	1038.76257	1534.80499	1718.42016	1420.23181	1157.07588	1332.15986	899.629317
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
128003.901	83064.7037	89642.3409	78998.9702	79392.1419	84651.3976	108646.181	108455.506	107934.143	195899.945	110532.293
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
11.892791	9.273475	9.573684	7.886065	7.940416	9.214125	11.282351	10.065208	9.495235	11.810566	8.021514
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4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3861.34284	4362.61097	2823.57299
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	336604.28	389463.981	252286.247
253499.734	233815.877	244172.894	190472.945	191936.987	236626.715	261143.257	243375.553	229795.039	217185.17	141753.954

253499.734	233815.877	244172.894	190472.945	191936.987	236626.715	261143.257	243375.553	229795.039	217185.17	141753.954
79364.3262	83644.0373	91555.8138	108790.28	104196.769	85363.6254	82021.7486	99941.8711	120495.451	116144.806	99874.3856
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
128003.901	83064.7037	89642.3409	78998.9702	79392.1419	84651.3976	108646.181	108455.506	107934.143	195899.945	110532.293
-253499.73	-233815.88	-244172.89	-190472.95	-191936.99	-236626.71	-261143.26	-243375.55	-229795.04	-217185.17	-141753.95
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247

1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1265587.53	1352301.79	1147847.75
6407.96058	5879.10321	5285.55272	3550.46962	3628.83552	5280.75851	5335.81722	4908.52995	4323.08389	4596.81785	4072.59908
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
776899.507	567106.783	542751.808	488543.387	471634.203	491972.795	559842.863	633869.691	694565.198	1141187.48	873999.274
21.469593	23.454842	21.892746	27.190533	24.549755	24.307606	30.233055	36.676013	21.840606	49.270503	39.450786
0.644087	3.987323	0.437854	1.631431	0.736492	2.43076	0.906991	0.36676	2.18406	1.478115	0.789015
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
71.624398	62.249082	56.213719	46.876354	45.914768	52.874392	57.745225	58.246487	60.158127	67.447571	62.877093
-595851.73	-682050.39	-637255.88	-479106.59	-479281.88	-616438.03	-592312.03	-584560.63	-574054.39	-280010.76	-273848.48
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26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24488.989	25158.3165	22132.737
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1265587.53	1352301.79	1147847.75
595851.733	682050.389	637255.877	479106.586	479281.876	616438.034	592312.034	584560.633	574054.389	280010.761	273848.48
595851.733	682050.389	637255.877	479106.586	479281.876	616438.034	592312.034	584560.633	574054.389	280010.761	273848.48
0.17	1.51	0.08	0.73	0.07	0.96	0.27	0.02	0.86	0.39	0.15
316496.504	334798.173	366748.174	435161.12	416787.075	342365.125	328086.994	399969.021	481981.805	464579.224	399497.542
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
776899.507	567106.783	542751.808	488543.387	471634.203	491972.795	559842.863	633869.691	694565.198	1141187.48	873999.274

-595851.73	-682050.39	-637255.88	-479106.59	-479281.88	-616438.03	-592312.03	-584560.63	-574054.39	-280010.76	-273848.48
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
11.022148	11.25879	11.268686	11.170219	11.198417	11.253148	11.165795	11.136774	11.059313	10.743926	10.814143
0.340727	0.255309	0.273719	0.294691	0.288427	0.268452	0.299227	0.306286	0.32288	0.467195	0.435608
0.327142	0.226716	0.263751	0.28336	0.276878	0.252712	0.288429	0.294908	0.3073	0.451685	0.419527
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2976444.84	2921693.11	3201812.99	3618801.22	3454120.17	2931197.82	2922089.94	3482170.64	4121610.44	4488466.19	3709426.42
13821.9105	13689.6915	13972.1373	12943.9532	12952.4286	13734.7545	13424.9372	13926.0405	13946.668	15127.8504	13073.5918
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3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
0.035541	0.03563	0.034018	0.036785	0.03477	0.035859	0.031854	0.034972	0.03321	0.033418	0.033698
483548.704	365688.76	435033.948	454272.26	444364.381	415575.371	441991.33	479239.646	504887.434	691653.4	581287.955
688097.508	507029.62	611147.45	661488.304	627576.359	581039.821	603589.306	653352.175	684402.625	1049679.88	898589.402
3.068372	3.088228	3.044036	3.073238	3.0463	3.075768	3.024424	3.028371	3.042237	3.164343	3.177065
799627.967	624224.721	718300.791	741460.178	732350.155	697274.673	737234.749	801983.309	853945.995	1146395.92	953621.211
636.804569	620.681011	1923.84103	8814.06455	4315.81686	1583.89152	160.882961	167.094215	133.780942	11649.0585	8744.05962
129697.744	127730.504	141498.723	138340.94	138124.748	138166.488	132970.834	141301.719	142468.134	139041.951	124467.306
352.439521	325.843122	353.746807	352.910561	352.359051	345.41622	353.645835	352.373364	349.186602	354.698854	353.600301
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
183.454026	151.447408	167.406903	225.627478	177.692595	175.082139	122.543863	122.016016	113.685522	214.311208	254.483204
35.291276	36.269569	35.73527	35.8094	35.541751	36.081833	35.143132	35.085053	35.007358	35.571448	35.940752
1596109.43	1237438.91	1431278.89	1511283.73	1464610.21	1381842.01	1441595.94	1556389.68	1651575.6	2345001.22	1978900.27
1596222.97	924199.727	1148925.98	1372984.17	1264759.22	1067255.42	1210803.54	1367006.4	1505617.92	3178774.33	2503215.88
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
113.543918	-313239.18	-282352.91	-138299.56	-199850.99	-314586.59	-230792.4	-189383.28	-145957.69	833773.114	524315.608
2373122.48	1491306.51	1691677.78	1861527.56	1736393.42	1559228.22	1770646.4	2000876.09	2200183.12	4319961.81	3377215.15
1446.08	1354.38	1682.25	1869.05	1740.67	1521.54	1454.47	1428.76	1404.24	1757.94	1654.94
289311.917	72738.2219	53871.4203	16326.1536	17249.5139	88694.4987	122803.41	49780.64	4905.15268	91363.4036	122404.268
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932

246.96	348.42	366.07	382.05	378.02	351.87	301.85	350.48	397.87	319.24	277.88
145.893336	162.00941	199.94874	247.509012	232.135786	194.563487	162.709006	191.959388	235.738274	209.696409	208.743946
5.326225	6.775668	7.16786	10.851886	10.248949	6.938822	7.79084	8.85985	12.526721	6.862132	7.442349
16,289.71	28,538.80	31,762.53	49,894.10	46,702.31	29,618.46	23,835.50	34,689.37	50,114.21	27,867.31	25,998.86
357530.811	84548.7617	62470.2787	19034.766	19244.9811	103726.673	138212.933	56500.4459	5205.08059	109795.645	153723.668
8.848743	4.356496	4.314025	2.780427	2.795197	5.389791	5.148582	2.901062	0.983747	5.321759	6.772791
7,477.71	1,847.68	1,246.50	255.77	347.78	2,209.35	3,337.83	1,341.50	134.23	1,879.76	2,468.26
30.544047	25.544582	29.899899	38.973032	33.640559	28.320743	26.655841	28.332949	29.689766	46.554548	46.494293
30.390295	25.507587	29.851777	38.966425	33.629325	28.125447	26.579073	28.309398	29.681307	46.487022	46.453769
-8812.0016	-26691.123	-30516.031	-49638.325	-46354.528	-27409.107	-20497.678	-33347.863	-49924.447	-24706.42	-23530.601
-23.945656	-68.089599	-76.290077	-126.62838	-118.25135	-68.522768	-54.5151	-83.161752	-122.36384	-63.026581	-66.848297
-6945143.7	-7142854.4	-7533760	-7883323.4	-7716869	-7247784.4	-7009860	-7838634.5	-8589802.8	-8948680.7	-7663579.2
-87.534042	-85.327573	-82.167138	-72.499181	-74.096374	-84.667154	-85.478016	-78.388848	-71.317147	-77.053884	-76.749265
-6945143.7	-7142854.4	-7533760	-7883323.4	-7716869	-7247784.4	-7009860	-7838634.5	-8589802.8	-8948680.7	-7663579.2
63074.6117	55179.2416	59968.2559	58896.1814	57494.4603	56048.7079	58186.2457	65319.6844	70381.2452	88277.492	73875.5235
2637253.07	2356980.98	2511998.82	2415862.63	2351584.07	2352893.89	2425157.29	2683079.03	2861377.46	3561869.89	2965551.49
6696946.94	6953556.07	7309134.87	7651812.91	7487774.04	7033739.22	6779331.38	7588484.46	8325978.16	8599150.41	7372125.76
6678607.89	7433719.44	7936478.76	8835716.74	8571065.16	7508316.48	7138051.09	8331075.63	9581006.05	9415951.07	7962277.03
0.000247	0.053571			0.000231	0.014318		0.000227	0.010472		
612928.984	599992.771	711001.756	844744.969	804858.913	646752.245	632354.794	770690.025	915794.165	910684.254	783674.738
3.92	4.46	3.8	4.04	3.96	4.95	3.53	3.67	4.47	4.7	4
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
9318266.19	8634160.95	9225437.83	9744851.01	9453262.45	8807012.66	8780506.35	9839510.61	10789985.9	13268642.5	11040794.3
5582038.49	4654266.23	5164320.77	5764956.29	5473367.74	4745895.6	4963056.32	5778393.55	6647443.45	9209149.86	7395535.63
1487725.47	1131254.34	1329448.24	1402948.48	1359926.51	1278314.49	1340824.05	1455335.48	1538348.62	2196075.8	1852210.61
70552.3246	57026.9223	61214.7557	59151.955	57842.2411	58258.059	61524.071	66661.1874	70571.0042	91438.386	76343.785
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
5582038.49	4654266.23	5164320.77	5764956.29	5473367.74	4745895.6	4963056.32	5778393.55	6647443.45	9209149.86	7395535.63
65852.3577	49298.0023	56310.8206	61456.5496	57928.0291	54661.1519	54962.3751	59064.8048	62336.7786	104160.921	87381.6295
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
776899.507	567106.783	542751.808	488543.387	471634.203	491972.795	559842.863	633869.691	694565.198	1141187.48	873999.274
-595851.73	-682050.39	-637255.88	-479106.59	-479281.88	-616438.03	-592312.03	-584560.63	-574054.39	-280010.76	-273848.48
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75

2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
-4225186.2	-3810952.2	-4225186.2	-3976645.8	-4059492.6	-4225186.2	-3976645.8	-3893799	-4308033	-4059670.8	-4297883.9
-4225186.2	-3810952.2	-4225186.2	-3976645.8	-4059492.6	-4225186.2	-3976645.8	-3893799	-4308033	-4059670.8	-4297883.9
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89

32.326503	30.52651	24.136495	25.196456	27.896449	27.326501	24.056575	26.676516	28.066528	29.296468	45.576331
25.732935	25.732953	25.732935	25.732953	25.732917	25.73288	25.732898	25.733045	25.732917	25.733045	26.247649
32.201986	30.40199	24.011981	25.071958	27.771954	27.201985	23.932029	26.551994	27.942001	29.171965	45.451884
32.297768	30.497774	24.107761	25.167726	27.867719	27.297766	24.027833	26.64778	28.037791	29.267737	45.547612
31.579401	29.779391	23.389413	24.449469	27.149479	26.579404	23.309298	25.929382	27.319365	28.549451	44.829648
31.85717	30.057166	23.667174	24.727195	27.427198	26.857171	23.587131	26.207163	27.597156	28.827188	45.107261
32.278611	30.478618	24.088605	25.148572	27.848566	27.27861	24.008672	26.628623	28.018633	29.248582	45.528466
32.316924	30.516931	24.126917	25.186879	27.886872	27.316923	24.046994	26.666937	28.056949	29.286891	45.566758

23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	24.184756
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.44
32.02	30.22	23.83	24.89	27.59	27.02	23.75	26.37	27.76	28.99	45.27
5.937984	5.370316	5.066225	5.081491	5.123318	5.106054	5.099437	5.165698	6.01133	6.707851	6.881099
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
0.028921	0.032472	0.029485	0.025937	0.029107	0.030784	0.035104	0.025638	0.032548	0.036607	0.032058
8914.5	8011.125	8909.325	8415.9	8563.275	8897.4	8336.7	8243.1	9055.35	8497.125	8885.7
21.902948	21.769361	21.83658	21.916406	21.845089	21.807352	21.710156	21.923138	21.715467	21.676339	21.778676
9180	8280	9180	8640	8820	9180	8640	8460	9360	8820	9180
22.555282	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.446043	22.5	22.5

4.12	3.84	4.4		6.82	4.08	13.81	0.8		5.44	7.72

6.40492	6.31073	2.91989	4.05017	6.40492	4.52112	4.05017	1.50704	1.8838	0.9419	7.535199
0.019938	0.032831	0.012905	0.022518	0.038065	0.02445	0.019964	0.003661	0.002665	0.00101	0.090513
0.019362	0.031875	0.012573	0.021848	0.036862	0.023725	0.019192	0.003537	0.00262	0.000943	0.08875
7418.65706	18502.7621	4032.62417	12985.7387	45342.0036	29938.7065	7071.13823	554.259303	1593.27544	1280.27625	82862.279
27.214941	81.439211	17.606529	44.050801	138.426317	93.999748	26.745278	2.307204	5.831951	3.872596	265.55744
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18

0.029754	0.03663	0.026985	0.027291	0.034795	0.031225	0.028697	0.028882	0.032427	0.028596	0.021544
4315.7858	6408.12246	2802.52926	4583.47378	7894.0639	5288.20336	4026.24574	726.58166	595.46918	202.13174	19781.5954
23039.7412	34451.136	14098.9714	24420.1197	41946.4831	28308.6716	20823.4316	3850.17089	3438.29122	1249.33591	103094.485
3.643512	3.593838	1.569881	2.266473	3.559944	2.488618	2.213599	0.834086	1.193167	0.635239	4.258866
1146.91523	2896.3863	661.592335	2048.05168	7168.32228	4700.21171	1148.55997	97.331633	232.372603	176.594359	13251.4454
22959.88	20562.16	23025.42	21664.16	21944.88	22925.08	21632.84	21178.12	23345.58	22085.82	23154.18
56.412481	55.875434	56.434852	56.417083	55.981836	56.188921	56.33552	56.324787	55.984604	56.341377	56.750441
23664	21344	23664	22272	22736	23664	22272	21808	24128	22736	23664
58.142506	58	58	58	58	58	58	58	57.860911	58	58
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
41.24114	40.403914	17.742042	25.481561	40.072382	28.056376	25.104941	9.475129	13.175615	6.965879	48.111809
41.24114	40.403914	17.742042	25.481561	40.072382	28.056376	25.104941	9.475129	13.175615	6.965879	48.111809
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
31004.1914	47590.8469	19523.0139	35230.6114	62635.0529	40203.8795	30576.7806	4915.00756	4419.91232	1567.57164	141509.993
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
31004.1914	47590.8469	19523.0139	35230.6114	62635.0529	40203.8795	30576.7806	4915.00756	4419.91232	1567.57164	141509.993
183.81	169.33	101.28	155.36	238.33	199.8	118.95	132.42	108.39	90.72	243.8
20110.2247	22495.4939	12898.8134	16072.6803	4578.41981	3742.70819	17858.0049	4047.26989	2455.36788	181.092656	40823.0707
22704.1076	26057.264	14882.0462	19294.5029	5701.68298	4293.67909	21895.25	4297.99382	2683.89955	200.321273	46187.9516
32.19451	26.63538	15.15332	15.489467	9.393722	7.854837	19.076347	8.863403	8.272295	0.874118	24.423216
336.433864	372.83535	227.299811	269.181664	77.050814	62.426122	305.519245	66.806457	38.549376	2.711262	693.295468
62.870405	62.881201	58.49178	60.946389	62.973178	61.667363	59.621742	54.968896	66.209249	72.019947	62.725002
35.669035	38.832585	15.196212	25.59093	42.798247	29.5905	21.411215	3.831696	11.895173	7.171315	49.503326
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
1.125798	1.84875	0.729264	1.267239	2.13801	1.376078	1.113177	0.205159	0.151606	0.054744	5.1475
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
121.766135	307.504649	70.240188	217.438335	761.049185	499.013877	121.940754	10.333542	24.670623	18.748737	1406.88453
7418.65706	18502.7621	4032.62417	12985.7387	45342.0036	29938.7065	7071.13823	554.259303	1593.27544	1280.27625	82862.279
5.23	6.77	3.51	4.51	2.24	2.31	4.29	1.18	0.82	0.16	16.79
-3475.3097	-6592.5909	-2591.5763	-6172.1924	-12714.629	-6522.4649	-5647.6375	-313.47837	-371.26901	-106.20273	-17824.643
-26179.417	-32649.855	-17473.623	-25466.695	-18416.312	-10816.144	-27542.887	-4611.4722	-3055.1686	-306.524	-64012.595
0.85	2.67	0.52	1.21	6.76	4.65	0.74	0.11	0.16	0.21	10.65
2079.1528	2675.6203	1174.0834	2303.2581	4717.3751	3063.1617	1791.844	303.5488	290.3601	122.1648	11152.5923
0.35	0.28	0.06	0.11	0.16	0.17	0.16	0.05	0.03	0.02	0.81

172.8965	138.3172	29.6394	54.3389	79.0384	83.9783	79.0384	24.6995	14.8197	9.8798	408.1347
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
23039.7412	34451.136	14098.9714	24420.1197	41946.4831	28308.6716	20823.4316	3850.17089	3438.29122	1249.33591	103094.485
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
172.8965	138.3172	29.6394	54.3389	79.0384	83.9783	79.0384	24.6995	14.8197	9.8798	408.1347
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
4316.244	6408.8028	2802.8268	4583.9604	7894.902	5288.7648	4026.6732	726.6588	595.5324	202.1532	20182.7298
0.57							0.01			0.71
10.982326	11.040898	11.244315	11.268252	11.172384	11.215331	11.229086	11.202616	11.170662	11.110645	10.773589
0.616652	0.565113	0.497707	0.48342	0.518972	0.505445	0.505434	0.51375	0.523321	0.561792	0.803665
0.594709	0.271643	0.480964	0.465442	0.502155	0.487417	0.48571	0.49682	0.501294	0.542864	0.777762
915780.341	322294.605	784582.006	740652.801	840852.839	849307.029	717374.134	698859.386	851346.302	897859.066	1304376.05
3644.50628	1440.77301	3607.08354	3195.53145	2961.94327	3116.91148	3305.92596	3150.96592	3325.25847	2989.01528	4335.14239
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
0.036274	0.041494	0.033406	0.038489	0.033469	0.035931	0.038828	0.032606	0.042932	0.035	0.032598
294964.794	122004.854	244186.34	223066.478	243703.532	246991.597	231526.293	231639.975	257799.086	261253.403	376923.096
412837.829	170708.036	341933.721	312629.775	342244.843	346710.247	323962.619	325645.331	362255.036	364640.424	542317.839
3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.353099
558338.858	230942.988	462220.322	422242.536	461306.416	467530.394	438256.12	438471.309	487987.889	494526.566	721091.575
43645.2	19583.73	43775.07	40983.42	42055.68	43660.74	40968.99	40375.14	44193.54	41989.08	43811.7
107.236363	53.216657	107.291838	106.727656	107.284897	107.011617	106.690078	107.380691	105.979712	107.115	107.381617
45288	40848	45288	42624	43512	45288	42624	41736	46176	43512	45288
111.272727	111	111	111	111	111	111	111	110.733812	111	111
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
38.344853	39.650319	39.288886	39.38902	39.013772	39.17632	39.279147	39.12496	39.057729	38.758851	38.306575
37.973325	38.166814	38.836444	38.912315	38.5953	38.736373	38.786483	38.691706	38.589223	38.403075	37.975464
1029163.11	436590.842	852816.64	779542.075	851384.415	863336.951	809213.995	810122.988	902139.547	909634.847	1338480.81
1006355.58	400338.614	615841.816	585249.846	722867.604	697797.801	600527.028	628274.345	741407.508	778417.605	1767012.74
-22807.528	-36252.228	-236974.82	-194292.23	-128516.81	-165539.15	-208686.97	-181848.64	-160732.04	-131217.24	428531.927
1006355.58	400338.614	615841.816	585249.846	722867.604	697797.801	600527.028	628274.345	741407.508	778417.605	1767012.74
393.2	176.43	394.37	369.22	378.88	393.34	369.09	363.74	398.14	378.28	394.7
104145.456	99440.3572	58997.3237	30128.114	2246.56563	4887.84177	82316.8611	102788.132	40794.0946	4062.15163	24196.4825
126431.077	123207.283	68227.8956	35795.0358	2412.78503	5141.56596	96323.4811	114654.742	46364.4043	4326.44966	32897.808

27.386696	45.625052	26.168941	23.063633	7.315269	12.01076	28.338992	35.729421	21.359303	8.913245	12.146143
2844.87861	2714.50354	1614.17284	819.56093	60.001858	131.991666	2254.20158	2778.37343	1109.02211	111.686746	652.015271
29.905325	27.672967	23.285612	23.961466	25.989283	26.142057	22.667558	25.817774	27.354946	29.092696	42.119142
29.838029	27.442684	23.216206	23.905118	25.984384	26.13314	22.5444	25.679941	27.316184	29.084592	42.10975
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
66.174963	30.15244	53.387073	51.664083	55.739295	54.103333	53.913812	55.147053	55.510249	60.257959	86.331632
-176985.63	-100024.16	-364611.02	-310889.08	-255900.65	-294641.66	-329705.76	-302926.86	-295483.62	-267774.4	231514.225
-176985.63	-100024.16	-364611.02	-310889.08	-255900.65	-294641.66	-329705.76	-302926.86	-295483.62	-267774.4	231514.225
24088.3314	8381.59446	20167.7532	19019.4471	21789.8021	21942.1683	18448.7024	17956.9186	22038.7519	23509.4333	34571.2907
915780.341	322294.605	784582.006	740652.801	840852.839	849307.029	717374.134	698859.386	851346.302	897859.066	1304376.05
21.89	11.17	4.55	3.42	0.27	0.4	6.85	7.64	6.63	0.41	19.06
22807.5283	36252.2276	236974.824	194292.23	128516.811	165539.15	208686.967	181848.643	160732.039	131217.242	-428531.93
-103623.55	-86955.055	168746.928	158497.194	126104.026	160397.584	112363.486	67193.9016	114367.634	126890.792	-461429.74
284.97	108.48	335.57	324.4	350.34	365.74	300.44	287.03	341.11	359.48	306.86
	0.5									
95446.9284	36477.5189	83418.2886	82913.1745	103393.406	103507.561	77413.0867	78528.3002	98363.4392	110589.348	115348.344
0.97	1.56	0.97	0.92	0.87	0.96	1	0.89	1.05	0.81	1.02
9237.31	14855.88	9237.31	8761.16	8285.01	9142.08	9523	8475.47	9999.15	7713.63	9908.28
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
971176.687	401651.025	804154.044	734872.311	803551.26	814240.641	762218.739	764116.64	850242.926	859166.99	1263409.41
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
9237.31	14855.88	9237.31	8761.16	8285.01	9142.08	9523	8475.47	9999.15	7713.63	9908.28
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
48749.1101	20083.9374	39425.2861	35908.6045	39548.1452	39954.2296	37472.2562	37530.8785	41897.4709	42754.2272	65163.1161
67.04	37.81	37.58	21.52	3.4	6.58	41.88	57.82	35.33	7.89	22.69

0.026715	0.027907	0.030441	0.029765	0.041071	0.02598	0.03401	0.026861	0.026899	0.020459	0.02745

1191.3	1073.19	1186.74	1117.71	1127.7	1192.2	1112.82	1097.7	1214.43	1151.94	1190.4
2.927027	2.916277	2.908676	2.910703	2.876785	2.922058	2.897968	2.919414	2.912302	2.938622	2.917647
1224	1104	1224	1152	1176	1224	1152	1128	1248	1176	1224
3.007371	3	3	3	3	3	3	3	2.992805	3	3

11.403125	11.493894	11.776258	11.776606	11.649138	11.653596	11.810128	11.57131	11.565671	11.47555	11.249152
0.749679	0.708049	0.591713	0.597841	0.630623	0.635884	0.602537	0.669393	0.685872	0.726354	0.859751
0.716082	0.676972	0.375804	0.574783	0.604366	0.602832	0.501323	0.636451	0.649431	0.639403	0.821899
371461.019	318764.982	199953.687	289531.329	308588.508	319825.919	250808.981	308854.343	347815.679	318116.169	427173.939
1489.83336	1454.83525	918.02551	1249.61216	1090.60137	1179.44925	1180.83346	1401.36544	1364.74832	1056.02866	1423.71339
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
0.045808	0.045597	0.045931	0.040781	0.043188	0.051004	0.053515	0.050851	0.051923	0.04602	0.04571
142515.532	122330.186	76783.4655	111111.905	118282.231	122570.026	96364.4266	118373.507	133288.943	122370.396	160961.308
199556.107	171292.007	107543.081	155864.608	166196.925	172249.451	134828.247	166240.698	187196.51	170521.738	231750.863
2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.546599
157080.619	134832.331	84630.7357	122467.542	130370.675	135096.682	106212.871	130471.279	146911.073	134876.651	178119.783
16740.33	15102.46	11136.57	15838.62	16128.01	16608.32	13710.55	15345.84	16920.93	14805.33	16742.05
41.131031	41.039293	27.295514	41.246406	41.142882	40.706666	35.704557	40.813404	40.577769	37.768698	41.034436
17544	15824	17544	16512	16856	17544	16512	16168	17888	16856	17544
43.105651	43	43	43	43	43	43	43	42.896882	43	43
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
30.188032	30.488711	32.075762	31.325347	30.960518	31.008124	32.164083	30.799309	30.732375	30.950273	30.316543
29.713348	29.941129	30.64459	30.641133	30.321472	30.331519	30.726982	30.126863	30.114066	29.906239	29.84476
376878.129	324040.775	208715.273	295278.176	314476.671	326279.345	261030.831	314978.032	354269.105	328102.493	432699.39
444347.306	364800.066	185712.816	274568.467	324962.162	324869.031	234370.973	305781.962	358058.25	344364.608	696798.703
67469.1772	40759.2904	-23002.457	-20709.708	10485.4911	-1410.3139	-26659.858	-9196.0693	3789.14505	16262.1149	264099.313
444347.306	364800.066	185712.816	274568.467	324962.162	324869.031	234370.973	305781.962	358058.25	344364.608	696798.703
389.31	351.22	258.99	368.34	375.07	385.91	318.85	356.88	393.13	344.31	389.35

31.487964	28.293865	24.132976	22.805286	27.099989	26.005454	22.666273	24.0106	27.929907	28.587837	47.258248
9.131509	23.483908	13.755796	5.473268	8.671996	8.581799	5.666568	6.722968	7.820374	6.003445	13.232309
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
30.867223	29.109809	16.159583	24.715703	25.98778	25.921789	21.556901	27.367393	27.858585	27.494336	35.341691
-7023.6915	-23182.698	-63137.174	-78787.901	-51340.631	-65477.666	-77029.544	-71069.901	-65880.986	-47700.891	179964.838
-7023.6915	-23182.698	-63137.174	-78787.901	-51340.631	-65477.666	-77029.544	-71069.901	-65880.986	-47700.891	179964.838

12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
371461.019	318764.982	199953.687	289531.329	308588.508	319825.919	250808.981	308854.343	347815.679	318116.169	427173.939
-67469.177	-40759.29	23002.457	20709.7081	-10485.491	1410.31391	26659.8581	9196.06933	-3789.145	-16262.115	-264099.31
-67469.177	-40759.29	23002.457	20709.7081	-10485.491	1410.31391	26659.8581	9196.06933	-3789.145	-16262.115	-264099.31
3.34	28.48	8.11	2.52	2.65	3.26	3.33	3.03	3.91	2.16	2.48
		0.333333			0.00245	0.122395		0.002403	0.079081	
93730.6586	74002.6835	51941.8301	82170.2474	101167.781	99990.0527	63862.4606	75673.9673	96504.0258	97846.89	113289.562
1.15	1.12	1.86	1.22	1.25	1.37	2.17	1.3	1.37	2.12	1.15
5417.1095	5275.7936	8761.5858	5746.8466	5888.1625	6453.4261	10221.8501	6123.689	6453.4261	9986.3236	5525.451
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
356636.726	306124.338	192173.817	278332.15	296567.6	307346.133	241041.118	296711.977	334107.583	305398.389	409870.647
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
5417.1095	5275.7936	8761.5858	5746.8466	5888.1625	6453.4261	10221.8501	6123.689	6453.4261	9986.3236	5525.451
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
14824.2928	12640.6438	7779.8698	11199.1794	12020.9078	12479.7862	9767.863	12142.3652	13708.0954	12717.7804	17303.292
0.029509	0.027907	0.020318	0.035989	0.044005	0.023504	0.028463	0.022765	0.037187	0.026173	0.034411
1187.88	1073.19	1199.13	1110.54	1124.25	1195.23	1119.21	1102.32	1201.59	1145.22	1181.88
2.918624	2.916277	2.939044	2.892031	2.867984	2.929485	2.914609	2.931702	2.88151	2.921479	2.896764
1224	1104	1224	1152	1176	1224	1152	1128	1248	1176	1224
3.007371	3	3	3	3	3	3	3	2.992805	3	3

3.794432	4.357643	2.108337	3.940124	7.198712	4.076148	2.964856	0.142307	0.2812	0.14	7.71416
0.002594	0.005383	0.002406	0.005881	0.0126	0.005888	0.005661	0.000075	0.000216	0.00002	0.016643
0.002563	0.00513	0.002362	0.005734	0.011938	0.005642	0.005546	0.000069	0.000216	0.00002	0.016254
135.699277	1122.16645	309.337801	1203.62189	10310.9218	4352.45617	973.475913	40.679898		27.412005	7499.79922
0.501163	4.795899	1.28158	3.996616	30.342539	13.03882	3.631425	0.181288		0.080526	23.797489

52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
0.028272	0.032622	0.030551	0.026966	0.031313	0.027879	0.034661	0.028018	0.031322	0.026147	0.0262
736.7	1330	679	1556.1	3325.2	1625.5	1516.5	18.5	63.3	5.6	4661.6
3336.58573	7060.42652	3430.84778	8323.57357	17859.856	8705.17975	7831.34304	92.72061	323.844344	27.412005	20772.0924
1.245593	1.648669	0.769075	1.492942	2.682529	1.530595	1.10619	0.050119	0.101639	0.04895	2.584307
28.498738	223.32145	59.375957	230.539172	1919.23472	812.657048	192.604239	8.116621		5.6	1665.30306
19810.2	17721.9	19789.5	18723.2	19001.1	19885.4	18506.3	18283.3	20094.2	19037.1	19848.1
48.67371	48.157336	48.503676	48.758333	48.472193	48.738725	48.193489	48.625797	48.187529	48.56403	48.647303
20400	18400	20400	19200	19600	20400	19200	18800	20800	19600	20400
50.12285	50	50	50	50	50	50	50	49.880095	50	50
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
23.871471	28.775153	14.262454	31.204963	61.735212	31.741773	26.353662	1.567196	2.350575	0.6853	43.231612
17.65249	23.266339	10.814199	21.053223	37.920399	21.545603	15.73577	0.714273	1.429947	0.6853	36.690683
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3707.92811	7945.11057	3784.71504	9433.5854	21015.5306	9844.79248	9389.73261	108.29007	354.83228	27.665198	23368.7207
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
3707.92811	7945.11057	3784.71504	9433.5854	21015.5306	9844.79248	9389.73261	108.29007	354.83228	27.665198	23368.7207
226.09	154.49	168.3	235.77	376.98	293.87	171.22	138.85	119.5	106.88	246.43
3224.05245	5968.57007	3123.39997	7131.95568	7587.24124	4369.84658	6901.26113	52.175712	323.979344		13434.5531
3560.10173	6661.84284	3458.9014	8091.8749	8802.0938	4882.73162	8204.34279	59.651897	354.83228		14894.174
5.584609	5.522469	2.907943	5.390844	7.066831	4.291928	4.555337	0.153373	0.45		9.162546
50.264375	78.448467	43.95886	93.632916	97.836492	57.232808	92.892554	0.720241	4.5		213.037916
73.55487	74.252236	73.600241	74.903887	78.311771	77.191898	79.125245	70.166948		69.584389	67.860631
5.884389	8.910268	2.208007	11.984622	37.580543	21.613731	7.827149	0.701669		0.695843	29.642942
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
0.128501	0.256521	0.118137	0.286718	0.596938	0.282107	0.277343	0.003457	0.010791	0.00102	0.812745
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
2.035624	15.951532	4.241139	16.467083	136.163507	57.867191	13.607445	0.579758		0.4	118.562083
135.699277	1122.16645	309.337801	1203.62189	10310.9218	4352.45617	973.475913	40.679898		27.412005	7499.79922
0.7	1.2	0.69	1.42	2.46	1.22	1.45	0.02	0.06		3.5
-348.17638	-854.37405	-351.97727	-1098.0078	-3117.3676	-1122.4897	-1514.9956	-15.434459	-30.852935	-0.253192	-2434.3684
-3908.2781	-7516.2169	-3810.8787	-9189.8827	-11919.461	-6005.2214	-9719.3384	-75.086356	-385.68522	-0.253192	-17328.542
	0.03	0.03	0.08	1.04	0.35	0.11			0.01	1.16
370.4102	592.6954	300.6881	872.8785	2326.8407	1045.7268	820.1289	8.9658	31.1985	3.4041	2719.2441

0.03	0.04		0.01	0.03	0.02	0.05				0.27
21.141	26.53		5.389	16.167	10.778	31.919				153.492
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3336.58573	7060.42652	3430.84778	8323.57357	17859.856	8705.17975	7831.34304	92.72061	323.844344	27.412005	20772.0924
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
21.141	26.53		5.389	16.167	10.778	31.919				153.492
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
2.025	3.78	1.89	6.615	22.14	6.345	11.475	0.135	0.135		8.768
0.08										0.01

0.028504	0.021793	0.038504	0.033307	0.037602	0.027254	0.023567	0.023164	0.032259	0.028571	0.038946

1585.48	1439.92	1569.16	1484.84	1509.04	1587.52	1499.8	1469.16	1610.32	1523.2	1568.44
3.895528	3.912826	3.84598	3.86677	3.849591	3.89098	3.905729	3.90734	3.861678	3.885714	3.844215
1632	1472	1632	1536	1568	1632	1536	1504	1664	1568	1632
4.009828	4	4	4	4	4	4	4	3.990407	4	4

10.352382	10.442716	10.713895	10.700793	10.568831	10.62175	10.696136	10.576168	10.563277	10.503575	10.207465
0.532379	0.481758	0.346304	0.345956	0.391279	0.378278	0.376179	0.400594	0.416389	0.468857	0.716176
0.503219	0.451821	0.24889	0.326779	0.372104	0.354701	0.356823	0.374348	0.39686	0.443677	0.684319
416153.545	338645.179	211847.945	262902.895	302918.767	300928.441	284395.013	291345.812	340870.306	354478.902	565544.13
1656.75162	1542.2349	972.290526	1113.45108	1046.92883	1086.98352	1310.06442	1319.46263	1327.23172	1177.57351	1882.14165
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
0.055294	0.063478	0.064975	0.057734	0.049897	0.064852	0.053671	0.066808	0.048125	0.053265	0.047083
123724.553	100768.981	63032.0768	78093.4885	89939.4657	89371.5489	84745.4575	86457.2953	101237	105690.475	165108.593
173344.501	141562.147	88311.3379	109785.54	126485.613	125624.167	118557.325	121866.021	142268.201	147055.167	237698.537
3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3652
235658.156	191934.678	120057.197	148744.668	171307.7	170225.989	161414.673	164675.21	192826.113	201308.648	317867.064
22586.784	20141.406	17194.412	21203.238	21824.984	22358.244	21294.654	20561.568	23204.428	21747.632	22783.094

55.495783	54.732081	42.143166	55.216765	55.675979	54.799617	55.454828	54.685021	55.64611	55.478653	55.840916
23908.8	21564.8	23908.8	22502.4	22971.2	23908.8	22502.4	22033.6	24377.6	22971.2	23908.8
58.74398	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.459472	58.599999	58.599999
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
37.74863	39.439077	44.982441	41.303335	39.302139	40.442175	40.472328	40.623942	39.17459	38.674763	37.429813
34.811718	35.109618	36.004982	35.959383	35.522289	35.696328	35.945378	35.542943	35.504028	35.320811	34.95939
446778.222	371181.729	256171.426	295422.093	332196.57	334700.448	313209.541	326106.907	370814.707	382685.124	596931.809
471751.457	373379.507	185283.079	241158.799	309791.469	294238.517	260666.424	271295.059	329898.277	353561.704	840186.884
24973.2349	2197.77797	-70888.346	-54263.294	-22405.101	-40461.931	-52543.117	-54811.848	-40916.43	-29123.42	243255.075
471751.457	373379.507	185283.079	241158.799	309791.469	294238.517	260666.424	271295.059	329898.277	353561.704	840186.884
385.44	343.69	293.42	361.83	372.44	381.54	363.39	350.88	395.98	371.12	388.79
67.936583	697.708386	90.996008	39.305656	3.164082	10.014296	394.622311	144.367558	28.71067		1.842243
67.66998	862.087426	93.674481	36.901265	2.869868	9.155179	459.345007	150.474144	28.159171		1.934423
1.531195	4.014143	1.534598	1.047143	0.078775	0.26	2.94641	2.479244	0.74908		0.050118
1.791195	20.264724	2.502577	1.047143	0.078775	0.26	11.38379	3.917691	0.74908		0.050118
32.992105	29.080973	24.983426	24.320947	26.01789	28.515069	23.918739	27.152433	27.618492	29.571534	44.828033
30.34799	29.079101	19.945726	21.626289	21.851883	24.522959	21.721858	23.583029	25.952682	27.797242	40.79351
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
29.561115	26.476733	14.584995	19.149276	21.805346	20.785534	20.909885	21.936829	23.200249	25.99952	40.101137
-39697.589	-50474.168	-103835.21	-95082.76	-69416.46	-87176.44	-96839.567	-100003.08	-93833.009	-84367.832	156952.813
-39697.589	-50474.168	-103835.21	-95082.76	-69416.46	-87176.44	-96839.567	-100003.08	-93833.009	-84367.832	156952.813
12029.5828	9723.17328	5948.17542	7352.27486	8547.61722	8480.238	8018.01221	8244.33031	9673.75492	10191.812	16361.2139
416153.545	338645.179	211847.945	262902.895	302918.767	300928.441	284395.013	291345.812	340870.306	354478.902	565544.13
	0.4	0.01				0.04	0.01	0.01		
-24973.235	-2197.778	70888.3464	54263.2935	22405.101	40461.931	52543.1168	54811.8478	40916.4297	29123.4204	-243255.08
-25040.905	-3059.8654	70794.6719	54226.3923	22402.2311	40452.7759	52083.7718	54661.3737	40888.2706	29123.4204	-243257.01
22.31	165.64	15.33	22.98	20.17	21.69	22.68	18.62	27.1	21.23	20.54
	0.002717	0.232843								
87197.0763	67677.9371	55582.3915	75430.2561	95187.1949	93220.065	71527.0034	69725.8195	91439.6452	100239.01	105715.229
1.43	1.49	2.07	1.52	1.37	1.58	1.33	1.62	1.4	1.32	1.44
30556.7405	31838.8415	44232.4845	32479.892	29274.6395	33761.993	28419.9055	34616.727	29915.69	28206.222	31385.8368
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
409002.657	333496.825	208368.535	258530.208	297793.313	295850.156	279971.998	286541.231	335094.314	348363.815	555565.601
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264

30556.7405	31838.8415	44232.4845	32479.892	29274.6395	33761.993	28419.9055	34616.727	29915.69	28206.222	31385.8368
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
7218.8244	5846.0628	3570.4068	4411.9932	5128.6176	5088.2988	4817.6376	4948.9488	5804.7024	6115.0872	9980.37104
0.17	1.75	0.22	0.09	0.01	0.02	0.32	0.25	0.1		0.01
3.15	3	1.95	3.15	6.3	3.75	2.85	0.15	0.3		4.5
0.001605	0.003706	0.001497	0.004547	0.009986	0.004359	0.005005	0.000053	0.000148		0.01012
0.001568	0.003641	0.001446	0.004401	0.009719	0.004117	0.004843	0.000053	0.000144		0.009803
	51.50217	18.72981	117.749542	1551.72344	731.129431	197.893989				809.973758
	0.197881	0.073376	0.384911	4.480263	2.150775	0.726066				2.567541
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56
0.029411	0.025326	0.040563	0.022213	0.030102	0.030539	0.041979	0.036063	0.031658	0.025739	0.031102
134.4	281.4	123.9	354.9	800.1	352.8	390.6	4.2	12.6		840
606.482095	1484.35914	626.759476	1884.66757	4328.90763	1897.07833	2009.66125	21.050084	66.512668		3609.06823
0.989568	1.07044	0.666361	1.124484	2.216813	1.325102	0.99702	0.050119	0.101639		1.337799
	10.982916	3.503157	22.52256	289.100267	135.113041	39.540519				180.190984
5544	5021.52	5480.3	5256.58	5322.8	5537.56	5150.32	5074.16	5639.62	5346.74	5534.34
13.621621	13.645434	13.432107	13.68901	13.578571	13.57245	13.412291	13.495106	13.524268	13.639642	13.564558
5712	5152	5712	5376	5488	5712	5376	5264	5824	5488	5712
14.034398	14	14	14	14	14	14	14	13.966426	14	14
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56
15.218523	16.05661	9.995424	16.867267	33.5022	19.951533	14.992803	0.751788	1.524594		20.747939
15.218523	16.05661	9.995424	16.867267	33.5022	19.951533	14.992803	0.751788	1.524594		20.747939
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668		3735.06823
668.274532	1637.25013	688.657438	2113.57041	5077.98379	2110.03	2372.76667	24.581481	71.036702		4002.01024
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034		266.942011
668.274532	1637.25013	688.657438	2113.57041	5077.98379	2110.03	2372.76667	24.581481	71.036702		4002.01024
116.48	81.12	97.7	131.25	207.53	153.8	94.61	76.88	70.53	59.8	119.77
616.982095	1432.85697	608.029665	1766.91803	2787.6842	1176.4489	1822.26726	21.050084	66.512668		2925.09447
668.274532	1580.00035	669.265158	1985.44992	3257.87065	1299.35588	2140.23394	24.581481	71.036702		3132.38364
2.94	2.796422	1.790807	2.820577	4.729156	2.94941	2.640269	0.14	0.28		3.752851
8.96	18.027805	8.026456	22.158495	34.066648	14.512463	23.403965	0.28	0.84		43.987267
	76.364098	80.198267	79.233948	83.911187	83.859638	79.219242				75.353663
	1.527281	0.801982	5.546376	24.334244	15.094734	5.545346				11.117052
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56

0.022014	0.050978	0.020245	0.061614	0.136071	0.057647	0.067812	0.000744	0.002014	0.137254
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034	266.942011
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034	266.942011
	0.732194	0.233543	1.501504	19.273351	9.007536	2.636034			12.012732
	51.50217	18.72981	117.749542	1551.72344	731.129431	197.893989			809.973758
0.49	1.01	0.45	1.15	1.49	0.84	0.88	0.01	0.05	2.85
-51.292436	-152.89099	-61.897962	-228.90284	-738.57615	-202.45167	-352.60542	-3.531396	-4.524034	-266.94201
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	0.05		0.05	0.66	0.41	0.11			0.68
167.5324	312.0908	134.9438	469.2689	1253.1038	546.8135	459.4201	4.511	15.5896	1242.6447
0.01				0.01	0.01	0.01			0.12
10.5				10.5	10.5	10.5			126
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823
606.482095	1484.35914	626.759476	1884.66757	4328.90763	1897.07833	2009.66125	21.050084	66.512668	3609.06823
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84	56
10.5				10.5	10.5	10.5			126
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823

10.929584	10.9944	11.238716	11.270636	11.152347	11.190918	11.2299	11.160495	11.135424	11.055516	10.728777
0.361092	0.294487	0.260297	0.274631	0.300901	0.290774	0.281674	0.296457	0.30376	0.324935	0.473232
0.347497	0.239431	0.231542	0.264627	0.289848	0.279287	0.266518	0.285101	0.291446	0.310017	0.457292
1710949.26	999381.196	1200744.33	1307394.14	1509564.76	1505083.68	1260820.64	1299654.48	1541625.56	1571761.83	2388266.17
6818.80737	4524.27615	5516.36106	5607.02701	5272.72258	5492.5336	5827.92661	5874.28248	6023.07046	5226.57058	7932.9199
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
0.03334	0.035259	0.03561	0.033222	0.036897	0.034258	0.037014	0.033607	0.036236	0.032066	0.033028
566391.765	353123.543	387607.311	418766.345	463944.593	466199.675	418569.523	437220.059	492996.398	489522.006	728276.193
812721.246	526558.112	555944.719	612908.284	699062.628	683494.794	608012.627	617715.991	695548.396	683494.077	1139242.89
3.112194	3.060375	3.152015	3.111173	3.140286	3.112789	3.136717	3.08349	3.084218	3.098668	3.226523
951077.634	557709.997	666908.255	693454.745	762984.792	772853.066	705883.663	733617.799	827725.076	830711.865	1217078.42
1175.41396	3130.69066	724.47145	2301.11341	9376.65726	5647.9818	1380.70472	105.448255	232.372603	182.194359	15096.9394
144165.554	109730.601	133265.627	135798.208	138601.719	143847.694	133332.184	132730.408	146479.988	137329.187	144699.884
354.21512	298.18098	326.631438	353.641166	353.575813	352.567877	347.219229	353.006404	351.270954	350.329558	354.656578
149776.8	135092.8	149776.8	140966.4	143903.2	149776.8	140966.4	138029.6	152713.6	143903.2	149776.8

368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.219664	367.099999	367.099999	
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76	
186.612652	194.813788	158.347011	185.571495	244.586225	190.376303	178.366967	122.342327	126.01548	116.035068	218.144293	
35.45817	35.016203	36.962391	36.550338	36.551278	36.31538	36.713547	35.814823	35.737	35.659253	36.22974	
1884325.07	1181386.7	1338694.27	1409521.01	1570215.65	1568628.04	1418278.41	1455923.36	1631662.49	1621911.25	2516466.78	
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05	
73509.6623	14304.6968	-327860.18	-261766.13	-123865.85	-199563.99	-280374.7	-245524.12	-197452.68	-143972.09	956412.269	
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05	
1698.45	1280.12	1318.46	1621.77	1956.05	1812.34	1449.92	1420.45	1485.67	1356.55	1790.56	
128164.652	130034.987	75718.5628	55138.9737	17203.075	14186.8597	109293.017	107052.995	43668.6652	4243.24428	81381.043	
153431.231	158368.477	87331.7829	65203.7647	20177.3023	15626.4877	129022.653	119187.443	49502.332	4526.77094	97114.2516	
10.745945	12.873705	7.209079	7.600358	5.09294	4.522695	8.873242	6.788402	4.508668	1.957472	8.385346	
3242.32804	3204.07989	1895.96054	1205.58115	269.034589	266.423061	2687.40113	2850.09782	1153.66056	114.398009	1602.38604	
37.10781	34.679498	26.408296	31.208501	41.853073	36.150321	28.427145	26.804655	29.778741	30.633953	49.529984	
37.029383	34.574546	26.362962	31.174452	41.840758	36.144428	28.324012	26.717664	29.747198	30.62214	49.424929	
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76	
127.879616	87.895233	84.999299	97.144635	106.403443	102.52649	97.838932	104.660638	106.733496	113.807581	167.87196	
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48804.676	29141.3661	32783.7535	36097.9588	41441.1154	41564.3849	34882.7489	36502.3022	43354.2074	44498.174	66889.374	
1710949.26	999381.196	1200744.33	1307394.14	1509564.76	1505083.68	1260820.64	1299654.48	1541625.56	1571761.83	2388266.17	
28.31	20.55	9.21	10.5	6.46	4.77	13.51	8.86	7.57	0.57	42.2	
-73509.662	-14304.697	327860.176	261766.128	123865.848	199563.989	280374.704	245524.116	197452.678	143972.091	-956412.27	
-226940.89	-172673.17	240528.393	196562.364	103688.545	183937.501	151352.051	126336.673	147950.346	139445.32	-1053526.5	
311.47	305.35	359.56	351.24	381.62	396.1	327.41	308.79	372.28	383.09	342.37	
	0.045701	0.05147			0.000222	0.011126		0.000218	0.007189		
278991.759	181738.546	192552.226	244159.084	308045.701	301373.38	215873.944	224245.113	286644.258	308800.817	349467.616	
3.94	4.49	4.96	3.78	3.69	4.11	4.72	3.86	3.85	4.27	4.81	
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945	
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22	
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22	
1763798.88	1084268.11	1222852.97	1306363.03	1462047.42	1456347.86	1313896.29	1351333.79	1523273.47	1514205.94	2356321.31	
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76	
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945	
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22	

75110.4963	44983.2268	53580.2795	56110.3525	64614.7126	62817.4244	56095.905	55348.9863	62005.9361	61789.248	112638.277
67.86	39.56	37.8	21.61	3.41	6.6	42.2	58.08	35.43	7.89	23.42
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
2605.32704	2845.92678	2790.75837	2881.50544	4325.95832	4459.38493	2390.09965	2467.33583	3596.69036	4294.57055	3431.20446
-101892.29	-80867.369	-88789.526	-88966.621	-110040.65	-110505	-83308.581	-83335.942	-106213.03	-117534.53	-122701.28
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
310.23	307.26	360.3	351.27	381.79	396.23	327.52	308.29	372.03	383.13	340.11
180.691291	172.063209	168.037055	204.946384	248.114781	238.515111	197.511268	165.266483	200.208349	242.945494	213.325117
83.437185	81.232552	84.287628	88.275581	131.010599	126.39058	84.576274	80.80935	102.586375	128.723381	82.725051
26497.0062	25251.7364	30636.3287	31307.2465	50163.7646	50218.7653	28140.9227	25212.1645	38661.5015	49517.9537	29591.0166
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3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3978749.43	3104464.42	2756970.41	2997118.43	4401111.13	4307026.76	2561334.16	2777329.72	3918342.36	4755054.09	6664110.37
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
2605.32704	2845.92678	2790.75837	2881.50544	4325.95832	4459.38493	2390.09965	2467.33583	3596.69036	4294.57055	3431.20446
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101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
310.23	307.26	360.3	351.27	381.79	396.23	327.52	308.29	372.03	383.13	340.11
180.691291	172.063209	168.037055	204.946384	248.114781	238.515111	197.511268	165.266483	200.208349	242.945494	213.325117
83.437185	81.232552	84.287628	88.275581	131.010599	126.39058	84.576274	80.80935	102.586375	128.723381	82.725051

26497.0062	25251.7364	30636.3287	31307.2465	50163.7646	50218.7653	28140.9227	25212.1645	38661.5015	49517.9537	29591.0166
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-250.34961	-219.74829	-217.62139	-231.68391	-280.71595	-270.8456	-216.94943	-221.63814	-254.7075	-299.83299	-300.73842
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3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3978749.43	3104464.42	2756970.41	2997118.43	4401111.13	4307026.76	2561334.16	2777329.72	3918342.36	4755054.09	6664110.37
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45

421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	379427.58	432126.498
1701.74838	1912.75356	1953.98662	1435.22987	951.547089	1000.67479	1495.49646	1579.38214	1558.97473	1273.8726	1444.09264
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
275166.044	257096.239	205686.746	164429.23	146628.522	146435.577	154048.648	187116.256	224315.669	224841.891	402819.682
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
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8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7697.39929	8425.94273
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	379427.58	432126.498
146487.068	160773.885	217449.161	160099.342	116030	120699.888	164761.886	160475.054	171092.237	155616.288	53358.2304
146487.068	160773.885	217449.161	160099.342	116030	120699.888	164761.886	160475.054	171092.237	155616.288	53358.2304
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
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421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
275166.044	257096.239	205686.746	164429.23	146628.522	146435.577	154048.648	187116.256	224315.669	224841.891	402819.682
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421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	361534.405	409956.399
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9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
309188.302	288661.039	231067.089	184924.215	164620.536	164437.93	173169.228	210370.17	252049.574	252659.535	452644.574
28.446408	30.329827	21.894971	21.101014	24.679698	22.587773	21.07856	30.487246	32.083094	31.31466	29.054583
1.706784	5.762667	3.284245	0.84404	1.727578	1.581144	2.107856	1.524362	1.924985	1.878879	0.290545
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
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9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8650.8915	9468.35517
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92537.5693	109045.631	171919.266	124706.193	85274.1286	89826.3941	130747.549	121037.583	124631.148	109865.057	-19796.024
92537.5693	109045.631	171919.266	124706.193	85274.1286	89826.3941	130747.549	121037.583	124631.148	109865.057	-19796.024
0.36	2.54	1.43	0.65	0.51	0.53	0.88	0.27	0.72	0.45	0.01
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
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401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
309188.302	288661.039	231067.089	184924.215	164620.536	164437.93	173169.228	210370.17	252049.574	252659.535	452644.574
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206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
834.929882	955.060625	799.09688	881.742201	746.230025	763.554398	725.335526	571.57667	607.172548	594.318359	645.534323

4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
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206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
78000.9977	86711.3946	93268.5808	103335.176	95738.8634	97219.9187	83987.8984	61868.7817	70012.1573	77223.2754	22468.0118
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101892.292	79952.2066	81136.0093	88966.6207	110040.651	110505.003	83308.5805	83335.9422	98767.6446	117534.533	122701.277
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
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128906.756	121150.788	79669.0892	96544.0767	110245.954	107000.19	70227.244	63250.8775	83882.7216	100264.718	171100.509
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206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	331107.397	416170.514
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4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
138350.924	131952.249	88417.4212	87846.7961	81397.1962	83745.6305	81694.3223	109255.017	115990.401	105804.673	213515.487
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-253386.84	-263176.53	-248073.24	-239759.09	-196157.31	-204989.93	-234079.75	-265736.82	-255490.39	-226679.82	-226760.5
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391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	331107.397	416170.514
253386.838	263176.532	248073.238	239759.095	196157.308	204989.929	234079.749	265736.816	255490.391	226679.823	226760.505

253386.838	263176.532	248073.238	239759.095	196157.308	204989.929	234079.749	265736.816	255490.391	226679.823	226760.505
101764.759	80867.3691	88710.5623	88799.0596	110040.651	110505.003	83060.6722	83335.9422	106117.467	116809.835	122701.277
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
138350.924	131952.249	88417.4212	87846.7961	81397.1962	83745.6305	81694.3223	109255.017	115990.401	105804.673	213515.487
-253386.84	-263176.53	-248073.24	-239759.09	-196157.31	-204989.93	-234079.75	-265736.82	-255490.39	-226679.82	-226760.5
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1249557.38	1451821.93
5752.09721	6505.1693	6173.33671	5146.70992	3617.00758	3803.80196	5135.8781	5371.28225	5120.37881	4202.14278	4861.84476
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
851612.027	798860.315	604840.346	533744.318	502892.207	501619.327	479139.443	569992.321	676238.365	683570.817	1240080.25
28.446408	30.329827	21.894971	21.101014	24.679698	22.587773	21.07856	30.487246	32.083094	31.31466	29.054583
1.706784	5.762667	3.284245	0.84404	1.727578	1.581144	2.107856	1.524362	1.924985	1.878879	0.290545
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
65.333194	71.940941	62.180008	56.149519	47.030027	45.886893	52.825283	57.503924	58.027143	60.146074	67.400828
-570412.47	-619707.44	-730710.25	-627899.81	-493200.3	-512736.13	-613577.08	-609118.23	-621225.93	-569384.44	-282790.72
-570412.47	-619707.44	-730710.25	-627899.81	-493200.3	-512736.13	-613577.08	-609118.23	-621225.93	-569384.44	-282790.72
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23518.405	26220.886
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1249557.38	1451821.93
570412.473	619707.442	730710.246	627899.806	493200.3	512736.13	613577.082	609118.235	621225.934	569384.444	282790.723
570412.473	619707.442	730710.246	627899.806	493200.3	512736.13	613577.082	609118.235	621225.934	569384.444	282790.723
0.36	2.54	1.43	0.65	0.51	0.53	0.88	0.27	0.72	0.45	0.01
407441.636	322554.314	347425.623	355698.922	440162.603	442020.011	332986.414	333343.769	417311.168	469413.433	490805.106
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
851612.027	798860.315	604840.346	533744.318	502892.207	501619.327	479139.443	569992.321	676238.365	683570.817	1240080.25

-570412.47	-619707.44	-730710.25	-627899.81	-493200.3	-512736.13	-613577.08	-609118.23	-621225.93	-569384.44	-282790.72
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
10.929584	10.9944	11.238716	11.270636	11.152347	11.190918	11.2299	11.160495	11.135424	11.055516	10.728777
0.361092	0.294487	0.260297	0.274631	0.300901	0.290774	0.281674	0.296457	0.30376	0.324935	0.473232
0.347497	0.239431	0.231542	0.264627	0.289848	0.279287	0.266518	0.285101	0.291446	0.310017	0.457292
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3788627.08	3046828.86	3146989.96	3154942.23	3737124.43	3740723.79	2886256.43	3032127.69	3762544.58	4116325.49	4886006.02
15176.2316	13875.3722	14480.4561	13635.2424	13215.6885	13755.7205	13353.9044	13712.9006	14740.1396	13723.2839	16225.9691
-23254.678	-22047.656	-28740.368	-30101.665	-49894.73	-49952.342	-25453.522	-22362.067	-37507.841	-49344.699	-26709.978
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
0.03334	0.035259	0.03561	0.033222	0.036897	0.034258	0.037014	0.033607	0.036236	0.032066	0.033028
566391.765	353123.543	387607.311	418766.345	463944.593	466199.675	418569.523	437220.059	492996.398	489522.006	728276.193
812721.246	526558.112	555944.719	612908.284	699062.628	683494.794	608012.627	617715.991	695548.396	683494.077	1139242.89
3.112194	3.060375	3.152015	3.111173	3.140286	3.112789	3.136717	3.08349	3.084218	3.098668	3.226523
951077.634	557709.997	666908.255	693454.745	762984.792	772853.066	705883.663	733617.799	827725.076	830711.865	1217078.42
1175.41396	3130.69066	724.47145	2301.11341	9376.65726	5647.9818	1380.70472	105.448255	232.372603	182.194359	15096.9394
144165.554	109730.601	133265.627	135798.208	138601.719	143847.694	133332.184	132730.408	146479.988	137329.187	144699.884
354.21512	298.18098	326.631438	353.641166	353.575813	352.567877	347.219229	353.006404	351.270954	350.329558	354.656578
149776.8	135092.8	149776.8	140966.4	143903.2	149776.8	140966.4	138029.6	152713.6	143903.2	149776.8
368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.219664	367.099999	367.099999
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
186.612652	194.813788	158.347011	185.571495	244.586225	190.376303	178.366967	122.342327	126.01548	116.035068	218.144293
35.45817	35.016203	36.962391	36.550338	36.551278	36.31538	36.713547	35.814823	35.737	35.659253	36.22974
1884325.07	1181386.7	1338694.27	1409521.01	1570215.65	1568628.04	1418278.41	1455923.36	1631662.49	1621911.25	2516466.78
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
73509.6623	14304.6968	-327860.18	-261766.13	-123865.85	-199563.99	-280374.7	-245524.12	-197452.68	-143972.09	956412.269
2809446.76	1994551.71	1615674.44	1681499.2	1949242.01	1870683.38	1617043.15	1780391.57	2110448.18	2161509.97	4712959.3
1698.45	1280.12	1318.46	1621.77	1956.05	1812.34	1449.92	1420.45	1485.67	1356.55	1790.56
128164.652	130034.987	75718.5628	55138.9737	17203.075	14186.8597	109293.017	107052.995	43668.6652	4243.24428	81381.043
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92

310.23	307.26	360.3	351.27	381.79	396.23	327.52	308.29	372.03	383.13	340.11
180.691291	172.063209	168.037055	204.946384	248.114781	238.515111	197.511268	165.266483	200.208349	242.945494	213.325117
6.953098	6.769379	7.023969	7.356298	10.917549	10.532548	7.048022	6.734112	8.548864	12.872338	6.893754
26,497.01	25,251.74	30,636.33	31,307.25	50,163.76	50,218.77	28,140.92	25,212.16	38,661.50	49,517.95	29,591.02
153431.231	158368.477	87331.7829	65203.7647	20177.3023	15626.4877	129022.653	119187.443	49502.332	4526.77094	97114.2516
6.268468	7.509661	4.205296	4.433542	2.970882	2.638238	5.176057	3.959901	2.630056	0.978736	4.891451
3,242.33	3,204.08	1,895.96	1,205.58	269.03	266.42	2,687.40	2,850.10	1,153.66	114.40	1,602.39
37.004961	34.478806	26.09369	31.120482	41.636551	35.989395	28.285962	26.874096	29.805709	30.624376	49.475306
36.927143	34.381725	26.050783	31.086547	41.624263	35.983552	28.183503	26.788363	29.774401	30.612661	49.370256
-23254.678	-22047.656	-28740.368	-30101.665	-49894.73	-49952.342	-25453.522	-22362.067	-37507.841	-49344.699	-26709.978
-57.136801	-59.91211	-70.442078	-78.389753	-127.28247	-122.43221	-66.285212	-59.473581	-89.94686	-125.87934	-65.465633
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75395.286	55615.6327	58153.1969	57659.3742	59876.8861	60286.2375	55167.6578	58123.7777	67551.5265	68016.579	93110.2599
3132973.76	2417948.95	2536294.92	2469038.26	2505657.27	2519439.14	2353537.16	2478765.04	2839089.86	2821319.2	3840088.1
8045185.1	6891939.5	7430031.98	7177526.22	7846202.74	8023228.41	6899212.49	6972408.45	8121599.23	8233075.13	9242454.8
8547407.19	7362450.93	7953395.24	7798226.43	9057492.59	9228886.58	7302909.11	7406583.66	8995551.61	9523554.65	10191258.5
	0.045701	0.05147			0.000222	0.011126		0.000218	0.007189	
788325.687	585160.229	628767.374	688824.626	858248.955	853898.394	632168.938	640924.824	810168.454	895748.783	962973.999
3.94	4.49	4.96	3.78	3.69	4.11	4.72	3.86	3.85	4.27	4.81
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
11147973.7	9066877.08	9246424.21	9074519.92	10031666.1	10133796.2	8731940.57	8980943.29	10489385.7	10650349.7	14322868.5
6922787.47	5255924.84	5021238.02	5097874.1	5972173.46	5908609.97	4755294.75	5087144.26	6181352.73	6590678.88	10024984.6
1763798.88	1084268.11	1222852.97	1306363.03	1462047.42	1456347.86	1313896.29	1351333.79	1523273.47	1514205.94	2356321.31
78637.614	58819.7126	60049.1574	58864.9553	60145.9207	60552.6606	57855.0589	60973.8755	68705.187	68189.8333	95991.2982
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
6922787.47	5255924.84	5021238.02	5097874.1	5972173.46	5908609.97	4755294.75	5087144.26	6181352.73	6590678.88	10024984.6
75110.4963	44983.2268	53580.2795	56110.3525	64614.7126	62817.4244	56095.905	55348.9863	62005.9361	61789.248	112638.277
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
851612.027	798860.315	604840.346	533744.318	502892.207	501619.327	479139.443	569992.321	676238.365	683570.817	1240080.25
-570412.47	-619707.44	-730710.25	-627899.81	-493200.3	-512736.13	-613577.08	-609118.23	-621225.93	-569384.44	-282790.72
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97

2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10	2032-11	2032-12
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
-3960795	-3960795	-3876522.7	-4466428.4	-3876522.7	-4129339.4	-4129339.4	-4045067.2	-4297883.9	-4045067.2	-3961035.2
-3960795	-3960795	-3876522.7	-4466428.4	-3876522.7	-4129339.4	-4129339.4	-4045067.2	-4297883.9	-4045067.2	-3961035.2
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
41.556335	33.76627	31.886323	25.206225	26.326342	29.146299	28.546332	25.126301	27.866328	29.316275	30.60635
26.247576	26.247576	26.247558	26.247649	26.247631	26.247649	26.247576	26.247558	26.247668	26.247631	26.247649
41.431886	33.641847	31.761879	25.081821	26.201891	29.021865	28.421884	25.001866	27.741882	29.19185	30.481895
41.527616	33.737557	31.857605	25.177517	26.297623	29.117583	28.517613	25.097585	27.83761	29.287561	30.57763
40.809642	33.019736	31.13966	24.4598	25.579632	28.399694	27.799647	24.379691	27.119652	28.569729	29.85962
41.087259	33.297294	31.417265	24.737317	25.857255	28.677278	28.077261	24.657277	27.397262	28.847291	30.137251
41.50847	33.718415	31.83846	25.158378	26.278476	29.09844	28.498467	25.078441	27.818464	29.268419	30.558483
41.546762	33.756699	31.87675	25.196656	26.316769	29.136727	28.536759	25.116729	27.856755	29.306704	30.596777

24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756
1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
41.25	33.46	31.58	24.9	26.02	28.84	28.24	24.82	27.56	29.01	30.3
6.916449	6.170526	5.618814	5.290357	5.315741	5.352062	5.336745	5.319911	5.407843	6.282847	7.003826
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
0.027579	0.031648	0.036277	0.029127	0.019375	0.030714	0.031326	0.036119	0.026519	0.035	0.030106
8226.675	8192.25	7979.625	9262.125	8119.575	8549.1	8543.7	8327.925	8936.55	8337.6	8205.3
21.879454	21.846	21.683763	21.844634	22.064062	21.808928	21.795153	21.687304	21.903308	21.656103	21.822606
8460	8460	8280	9540	8280	8820	8820	8640	9180	8640	8460
22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5

8.76	5.36	3.44	13.3	9.44	6.18	7.76	15.1	3.58	2.62	7.52

7.723579	6.593299	6.499109	2.44894	3.29665	5.93397	4.23855	3.86179	1.50704	1.13028	1.13028
0.085829	0.023431	0.034312	0.013417	0.017184	0.033925	0.023941	0.02137	0.00216	0.001295	0.001347
0.083085	0.022526	0.033125	0.012971	0.016413	0.033061	0.02329	0.020911	0.002132	0.001276	0.001329
56986.8899	8101.80336	5768.26007	5765.35056	11517.8328	43691.8091	27459.8775	13504.8062	2873.31489	736.058059	1728.88982
192.368915	30.151826	24.296161	24.847219	39.459222	131.964861	87.033928	53.347431	12.184577	2.661159	5.233503
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29

0.033829	0.032659	0.030543	0.031179	0.027853	0.034081	0.027372	0.033723	0.02924	0.030338	0.027154
17066.4745	4627.17794	6659.42138	3004.661	3299.66408	7080.07392	4987.73726	4386.80506	475.28274	267.68798	273.151
91377.2238	25239.6376	37393.8189	15568.1949	18071.9099	38872.761	27594.201	22971.1857	2555.45248	1703.46143	1738.91624
4.533033	3.706689	3.851877	1.368106	1.868146	3.441088	2.424933	2.149894	0.815754	0.701237	0.765604
8785.39304	1287.10734	877.409304	926.276958	1776.93038	6685.46692	4177.4762	2147.14362	442.812522	104.798745	231.926048
21070.24	21095.76	20692.08	23825.24	20749.5	21961.12	22113.66	21520.9	22972.06	21596.3	21215.82
56.037872	56.25536	56.228478	56.191603	56.38451	56.023265	56.412397	56.04401	56.304068	56.094285	56.425053
21808	21808	21344	24592	21344	22736	22736	22272	23664	22272	21808
58	58.154666	58	58	58	58	58	58	58	57.84935	58
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
50.819471	41.96061	43.248538	15.412063	21.034046	38.631681	27.224529	24.298657	9.443441	7.852928	8.364431
50.819471	41.96061	43.248538	15.412063	21.034046	38.631681	27.224529	24.298657	9.443441	7.852928	8.364431
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
133470.257	34527.4087	50190.392	21587.9708	26666.3046	58396.1697	39856.1112	33659.65	3257.36586	2134.02445	2172.01353
24368.0824	4405.52412	5795.52418	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
133470.257	34527.4087	50190.392	21587.9708	26666.3046	58396.1697	39856.1112	33659.65	3257.36586	2134.02445	2172.01353
254.69	188.84	172.22	102.34	130.26	229.37	174.8	113.48	127.71	107.94	94.89
52115.2845	22020.0812	38626.6077	12903.7052	9976.07796	2495.29335	5273.58985	13992.5279	207.36779	1250.59697	288.716417
63214.754	25026.0968	43663.9013	14914.1155	12217.1213	3051.35019	6324.67007	17074.3314	217.459344	1353.7115	313.865397
29.593516	32.060903	36.039758	11.282553	12.003126	7.173708	8.112284	16.739854	1.219369	4.209533	1.659249
879.189026	354.609894	613.866872	220.658673	161.666175	41.894787	86.024106	237.781234	3.44731	17.293686	4.376786
64.246274	62.341929	63.222442	60.185594	62.564272	66.159132	63.912767	61.218487	60.44986	65.512011	71.736905
52.625359	37.947033	30.93394	14.40951	21.238719	41.668436	28.107648	23.835658	9.637295	7.791064	8.608428
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
4.818936	1.310026	1.92125	0.752358	0.951956	1.917551	1.350867	1.212864	0.123676	0.073818	0.077127
24368.0824	4405.52412	5795.52418	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
24368.0824	4405.52412	5795.52418	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
932.730973	136.650105	93.153127	98.341326	188.653824	709.785212	443.515893	227.958765	47.012689	11.126313	24.623213
56986.8899	8101.80336	5768.26007	5765.35056	11517.8328	43691.8091	27459.8775	13504.8062	2873.31489	736.058059	1728.88982
14.31	5.59	10.15	4.1	2.83	1.38	2.36	3.71	0.17	0.43	0.22
-24368.082	-4405.5241	-5795.5242	-2918.915	-5172.3938	-12209.067	-7122.6438	-6162.3158	-176.68317	-147.36942	-154.40729
-87582.836	-29431.621	-49459.426	-17833.031	-17389.515	-15260.417	-13447.314	-23236.647	-394.14252	-1501.0809	-468.27269
5.14	0.65	0.53	0.28	1.35	6.51	4.07	1.64	0.67	0.06	0.26
9026.9343	2222.8295	2841.3691	1274.5909	1684.3974	4293.1637	2844.3253	2004.8776	203.9867	135.1257	164.5869
0.62	0.32	0.41	0.07	0.11	0.18	0.1	0.1	0.08	0.02	

312.3994	161.2384	206.5867	35.2709	55.4257	90.6966	50.387	50.387	40.3096	10.0774	
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
91377.2238	25239.6376	37393.8189	15568.1949	18071.9099	38872.761	27594.201	22971.1857	2555.45248	1703.46143	1738.91624
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
312.3994	161.2384	206.5867	35.2709	55.4257	90.6966	50.387	50.387	40.3096	10.0774	
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
17412.5512	4721.0086	6794.4622	3065.59	3366.5752	7223.6448	5088.8794	4475.7614	484.9206	273.1162	278.69
0.92	0.63			0.01				0.02		
10.837924	10.966922	11.010206	11.227435	11.247656	11.146562	11.180048	11.215706		11.138159	11.08526
0.746641	0.635293	0.602736	0.503905	0.488889	0.529961	0.518793	0.512378		0.517054	0.58629
0.722131	0.613425	0.579057	0.485909	0.470155	0.511477	0.500763	0.378416		0.446881	0.569743
1106294.6	872766.098	686859.086	851721.063	726247.276	870585.115	849887.844	579666.483		717863.714	919148.391
3864.78439	3461.52402	3064.01762	3855.25663	3096.71623	3023.47739	3088.86367	2594.00166		2749.51226	3051.51516
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
0.0325	0.035957	0.03913	0.035683	0.03932	0.03579	0.036938	0.040468	0.035588	0.04039	0.029547
324547.835	279555.857	259576.331	255980.616	215653.099	247645.084	242980.728	180127.408		211558.327	261885.995
467761.622	400878.066	374248.793	368534.395	311399.688	358274.067	351903.586	258541.093		306599.124	378242.906
3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531		3.3531	3.3531
620892.464	534818.309	496595.478	489716.516	412565.943	473769.811	464846.432	344601.743		404732.235	501014.098
40379.58	40235.28	39249.6	45384.57	39241.83	41954.67	41904.72	31437.42		36777.63	40502.79
107.3925	107.29408	106.656521	107.03908	106.635407	107.027219	106.899795	81.868281		95.526311	107.720186
41736	41736	40848	47064	40848	43512	43512	42624	45288	42624	41736
111	111.296	111	111	111	111	111	111	111	110.711688	111
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
38.424442	38.998866	39.160892	39.900356	40.041055	39.655807	39.791728	39.955991		40.214217	39.340084
38.188847	38.633053	38.766163	39.495759	39.558019	39.216504	39.328499	39.464191		39.185313	39.016444
1151113.71	991316.865	923539.849	909495.149	768140.163	882250.443	865996.995	640073.827		764929.386	930047.636
1423894.71	997399.848	884371.674	674392.587	585514.962	763443.659	722428.75	492653.696		642312.985	827572.895
272781.007	6082.98379	-39168.175	-235102.56	-182625.2	-118806.78	-143568.24	-147420.13		-122616.4	-102474.74
1423894.71	997399.848	884371.674	674392.587	585514.962	763443.659	722428.75	492653.696		642312.985	827572.895
363.78	362.48	353.6	408.87	353.53	377.97	377.52	283.22		331.33	364.89
38116.448	110293.867	227743.883	48837.2059	33247.4277	2631.30832	7172.27097	53316.1244		28706.2118	4099.44426
54484.8974	134624.885	281282.322	55745.0021	37515.4197	2819.07818	7693.12295	62406.9852		32183.4814	4463.28949

17.628957	29.371995	46.915329	25.309985	25.917583	8.011207	13.360318	27.103455		20.142445	7.363202
1020.48546	2975.07172	6090.20175	1307.58146	878.235772	68.906989	188.107629	1436.87321		762.260689	110.537893
36.980026	31.011551	28.541751	24.233998	25.223225	27.356872	27.311534	23.97279		29.23109	30.455953
36.966626	30.941179	28.276907	24.17782	25.168509	27.352278	27.301011	23.877118		29.195649	30.44854
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
80.156643	68.27184	64.275407	53.935948	52.187239	56.774056	55.584801	42.004182		49.474997	63.241563
103139.854	-140040.86	-174848.72	-368903.63	-295347.08	-248250.87	-270574.27	-241572.73		-233197.94	-239362.55
103139.854	-140040.86	-174848.72	-368903.63	-295347.08	-248250.87	-270574.27	-241572.73		-233197.94	-239362.55
29118.4125	22626.8683	17563.1483	21561.2605	18326.6682	22186.523	21601.1344	14692.7328		18285.6133	23668.2901
1106294.6	872766.098	686859.086	851721.063	726247.276	870585.115	849887.844	579666.483		717863.714	919148.391
20.27	20.79	26.15	4.18	2.99	0.21	0.65	4.26		4.17	0.51
-272781.01	-6082.9838	39168.1748	235102.562	182625.201	118806.784	143568.245	147420.131		122616.401	102474.74
-327265.9	-140707.87	-242114.15	179357.56	145109.782	115987.706	135875.122	85013.1463		90432.9192	98011.451
279.27	253.97	218.63	352.44	309.61	350.54	348.08	234.52		276.43	347.05
							0.23177	1	0.101562	
101633.927	88314.9395	76441.1943	87812.4585	80210.5746	104781.943	100279.734	61455.5091		80455.9995	107382.741
0.69	0.85	0.92	0.92	0.89	0.93	0.92	0.73		1.89	0.7
6702.66	8256.9	8936.88	8936.88	8645.46	9034.02	8936.88	7091.22		18359.46	6799.8
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
1088654.09	935696.376	870844.271	858250.911	723965.631	832043.878	816750.018	603142.836		711331.359	879257.004
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
6702.66	8256.9	8936.88	8936.88	8645.46	9034.02	8936.88	7091.22		18359.46	6799.8
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
55756.9613	47363.589	43758.6975	42307.3577	35529.0724	41172.5455	40310.0977	29839.7711		35238.5669	43990.8318
24.5	68.63	85.68	34.9	23.75	3.99	8.5	29.34		27.31	7.97

0.022313	0.025265	0.035706	0.030801	0.032119	0.036734	0.031096	0.026354	0.026691	0.031484	0.03718

1102.83	1099.5	1064.58	1232.82	1068.54	1132.8	1139.43	1121.64	1191.33	1115.73	1086.06
2.933058	2.932	2.89288	2.907594	2.903641	2.889795	2.906709	2.920937	2.919926	2.898	2.888457
1128	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

11.31802	11.388572	11.461348	11.741977	11.70331	11.582657	11.587308	11.804887	11.540269	11.499687	11.474291
0.812092	0.764268	0.718723	0.595013	0.617224	0.653212	0.665946	0.590526	0.682744	0.705059	0.722647
0.771543	0.728302	0.683025	0.359567	0.591461	0.625638	0.633226	0.493546	0.65175	0.672071	0.603946
371453.755	352455.962	326580.813	201917.924	289238.601	323520.601	326716.089	251002.955	348691.46	337251.146	293870.962
1302.08649	1410.05554	1467.57167	916.059287	1235.96116	1126.39455	1194.88373	1162.40888	1549.1545	1308.22921	972.203241
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
0.050877	0.047739	0.051195	0.05158	0.042989	0.042882	0.046887	0.0475	0.045269	0.045286	0.043563
140022.624	133229.094	123131.457	76233.7519	109015.154	121846.57	123016.411	94955.4169	131291.79	126904.637	110756.622
201535.547	190894.418	177353.702	109690.886	157371.284	176030.263	177777.737	136145.962	189682.793	183501.775	159590.152
2.5466	2.5466	2.5466	2.546599	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466
154949.036	147431.316	136257.27	84360.2698	120636.169	134835.414	136129.96	105077.664	145287.494	140432.671	122563.278
15345.41	15396.15	15013.88	11001.98	15143.74	16133.17	16026.1	13780.21	16749.79	15725.96	13512.75
40.81226	41.0564	40.798586	25.948066	41.151467	41.156045	40.882908	35.885963	41.053406	40.846649	35.938164
16168	16168	15824	18232	15824	16856	16856	16512	17544	16512	16168
43	43.114666	43	43	43	43	43	43	43	42.888311	43
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
30.58598	30.775173	31.013622	32.668691	31.619928	31.286119	31.358951	32.764797	31.177186	31.001682	31.502707
30.020377	30.220693	30.388842	31.101087	30.995897	30.685793	30.696912	31.273576	30.574549	30.469258	30.419491
377555.774	358221.65	332586.738	210950.835	294571.862	329382.384	333154.441	261909.714	355129.811	342632.455	303240.205
561194.287	433344.053	384963.886	190719.841	278964.46	346708.16	339074.209	237523.026	353032.095	352653.383	325276.362
183638.513	75122.4034	52377.1489	-20230.994	-15607.402	17325.7761	5919.76835	-24386.688	-2097.7168	10020.9282	22036.1572
561194.287	433344.053	384963.886	190719.841	278964.46	346708.16	339074.209	237523.026	353032.095	352653.383	325276.362
356.87	358.05	349.16	255.86	352.18	375.19	372.7	320.47	389.53	365.72	314.25

41.042634	29.886965	27.996478	25.392414	24.034437	27.084767	27.121755	24.398548	27.766815	27.27619	25.727247
12.31279	10.161568	10.078732	12.696207	6.969986	9.479668	7.865308	14.883114	26.100806	18.002285	4.888176
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
33.176356	31.400506	29.370108	15.461415	25.432853	26.902474	27.228724	21.2225	28.025269	28.824025	25.969707
110448.687	5483.5558	-11983.664	-60078.376	-72589.623	-46363.426	-58380.91	-74019.885	-70723.935	-56312.125	-35856.329
110448.687	5483.5558	-11983.664	-60078.376	-72589.623	-46363.426	-58380.91	-74019.885	-70723.935	-56312.125	-35856.329

12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
371453.755	352455.962	326580.813	201917.924	289238.601	323520.601	326716.089	251002.955	348691.46	337251.146	293870.962
-183638.51	-75122.403	-52377.149	20230.994	15607.4023	-17325.776	-5919.7683	24386.6883	2097.71682	-10020.928	-22036.157
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3.16	3.88	3.96	9.08	3.23	3.67	3.34	15.23	57.12	9.94	2.41
			0.35849			0.002551	0.122395		0.002604	0.125
97908.7412	86309.9755	74440.2816	51758.8491	79212.4829	103054.853	98126.5598	64284.9652	84796.4795	90881.3179	88268.237
1.27	1.2	1.25	1.88	1.11	1.22	1.34	2.27	1.34	1.12	1.95
6102.0198	5765.688	6005.925	9032.9112	5333.2614	5861.7828	6438.3516	10906.7598	6438.3516	5381.3088	9369.243
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
356484.583	338325.734	313610.973	194051.156	278007.453	310865.677	313907.697	241223.627	334970.288	323934.446	282153.43
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
6102.0198	5765.688	6005.925	9032.9112	5333.2614	5861.7828	6438.3516	10906.7598	6438.3516	5381.3088	9369.243
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
14969.172	14130.228	12969.84	7866.768	11231.148	12654.924	12808.392	9779.328	13721.172	13316.7	11717.532
0.036861	0.02093	0.0325	0.025188	0.040434	0.043239	0.019081	0.019192	0.035808	0.026484	0.017925
1086.42	1104.39	1068.12	1239.96	1059.36	1125.15	1153.56	1129.89	1180.17	1121.49	1107.78
2.889414	2.94504	2.9025	2.924433	2.878695	2.87028	2.942755	2.942421	2.892573	2.912961	2.946223
1128	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

10.150742	5.338327	3.50375	2.248434	3.099823	5.795614	2.9641	3.95252	0.14	0.14
0.026327	0.003575	0.003488	0.002317	0.004858	0.011538	0.005935	0.006119	0.000019	0.000042
0.025696	0.003478	0.003369	0.002283	0.004782	0.011255	0.005795	0.005906	0.000019	0.000042
6131.91527	285.666512	178.13027	98.469248	1871.51256	11748.0215	3786.23114	1516.19252	19.226703	
20.331249	1.105343	0.745088	0.419784	5.987286	34.524896	11.541532	5.834226	0.072663	

483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
0.030106	0.028643	0.03269	0.024882	0.029361	0.028545	0.030637	0.034921	0.026973	0.029895	0.035013
6853.1	921	869.2	683.6	1251.2	3137	1610.8	1608.6	5.6		11.2
32427.0648	4441.64384	4828.07785	3384.22596	7036.65649	17165.7023	9110.57286	8526.5799	19.226703		57.522573
3.564389	1.916702	1.392892	0.834819	1.196475	2.231481	1.141502	1.446108	0.034333		0.051359
1264.82536	63.955871	36.415129	16.764475	332.745841	2123.1762	652.372196	285.463723	5.6		
18283.5	18289.7	17730.7	20725.6	17927.1	19034.5	18981.2	18520.2	19793.5	18605	18104.4
48.626329	48.772533	48.18125	48.881132	48.714945	48.557397	48.421428	48.229687	48.51348	48.324675	48.15
18800	18800	18400	21200	18400	19600	19600	19200	20400	19200	18800
50	50.133333	50	50	50	50	50	50	50	49.870129	50
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
73.052076	32.652794	20.611625	15.599716	23.689309	54.467081	29.652605	34.115759	0.480667		0.719032
51.12806	26.979986	19.662083	11.765172	16.949222	31.643041	16.195723	20.445475	0.480667		0.719032
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
39213.6808	5121.76431	5210.65244	3788.46342	8469.63345	20549.1411	10667.8247	9920.70584	19.967759		63.13696
6614.99694	666.660461	360.038581	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
39213.6808	5121.76431	5210.65244	3788.46342	8469.63345	20549.1411	10667.8247	9920.70584	19.967759		63.13696
288.02	211.79	166.17	152.37	184.01	334.82	242.13	170.09	148.69	108.6	108.09
26466.7685	4169.43733	4672.48358	3310.06071	5184.90593	5456.36583	5349.72472	7025.47438			57.522573
31877.6977	4806.0494	5022.89226	3689.54526	6176.77391	6407.08537	6166.72256	8165.86444			63.13696
14.384598	7.622849	4.858769	3.365929	3.931131	5.494896	3.868883	5.580343			0.4
393.227279	60.831723	59.398919	47.202537	64.487323	70.337355	67.214148	93.063772			0.8
74.578344	71.285701	75.1363	79.567441	79.120953	82.57307	80.91781	77.299974	50.3406		
40.99488	7.841427	1.4815	2.387023	11.868143	33.029228	15.3368	13.140995	0.503406		
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
1.28484	0.1744	0.168478	0.11415	0.23913	0.562755	0.289795	0.295312	0.00098		0.002127
6614.99694	666.660461	360.038581	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
6614.99694	666.660461	360.038581	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
89.87272	4.568276	2.60108	1.197462	23.512676	150.262644	46.385851	20.336227	0.4		
6131.91527	285.666512	178.13027	98.469248	1871.51256	11748.0215	3786.23114	1516.19252	19.226703		
6.05	0.89	0.91	0.8	1.05	1.7	1.36	1.4			0.01
-6614.9969	-666.66046	-360.03858	-379.93346	-1413.215	-3344.7538	-1531.8688	-1379.0389	-0.741056		-5.614386
-38492.695	-5472.7099	-5382.9308	-4069.4787	-7589.9889	-9751.8391	-7698.5914	-9544.9034	-0.741056		-68.751347
0.73	0.04	0.05	0.02	0.22	1.5	0.24	0.14	0.01		
4166.4876	458.5224	372.8956	313.047	770.9592	2247.39	1045.8563	858.1609	2.646		6.7223

0.21	0.02	0.04	0.03	0.02	0.03	0.02	0.01			
130.656	10.994	21.988	21.564	10.994	16.491	16.067	5.497			
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
32427.0648	4441.64384	4828.07785	3384.22596	7036.65649	17165.7023	9110.57286	8526.5799	19.226703		57.522573
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
130.656	10.994	21.988	21.564	10.994	16.491	16.067	5.497			
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
40.963	2.466	0.548	2.74	8.768	22.194	9.316	9.59			
0.09	0.05									

0.033696	0.031489	0.022173	0.032429	0.034728	0.036173	0.034005	0.028906	0.022058	0.024557	0.027819

1453.32	1456.64	1439.36	1641	1420.88	1511.28	1514.68	1491.6	1596	1498.28	1462.16
3.865212	3.884373	3.911304	3.870283	3.861086	3.855306	3.863979	3.884375	3.911764	3.891636	3.888723
1504	1504	1472	1696	1472	1568	1568	1536	1632	1536	1504
4	4.010666	4	4	4	4	4	4	4	3.98961	4

10.26646	10.358763	10.395121	10.684175	10.666309	10.534016	10.568171	10.689997	10.506918	10.537042	10.502777
0.667566	0.550521	0.509104	0.334404	0.357347	0.403804	0.401373	0.375156	0.427318	0.42155	0.485088
0.634502	0.521019	0.478411	0.231914	0.339656	0.379867	0.37888	0.353088	0.402335	0.400863	0.454636
485820.715	402038.365	363820.207	208534.689	266670.091	314200.015	313696.681	286261.928	344726.662	323894.045	354749.899
1700.40666	1597.0625	1631.16118	946.251377	1120.97916	1071.4399	1127.82783	1302.22945	1528.27301	1248.30725	1176.25284
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
0.052845	0.056888	0.062228	0.063962	0.050271	0.061301	0.059974	0.058489	0.058897	0.050885	0.063829
141758.694	117742.793	106317.644	60889.2925	77690.9277	91492.8345	91298.4669	83887.5619	100321.709	94272.6372	103518.799
204380.234	168396.997	153426.314	87883.2241	112699.768	132736.071	132620.531	120193.832	145778.345	136918.762	149344.972
3.3652	3.3652	3.3652	3.365199	3.365199	3.365199	3.365199	3.365199	3.3652	3.365199	3.365199
272913.838	226678.426	204682.728	117224.066	149570.574	176142.005	175767.809	161500.334	193139.354	181493.681	199294.391
20869.218	20780.146	20167.776	17156.322	20480.7	21563.042	21593.514	21186.244	22500.642	21357.356	20627.2

55.503239	55.413722	54.803739	40.463023	55.654076	55.00776	55.085494	55.17251	55.148632	55.473651	54.859574
22033.6	22033.6	21564.8	24846.4	21564.8	22971.2	22971.2	22502.4	23908.8	22502.4	22033.6
58.599999	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
37.738944	38.802579	39.618544	47.040806	40.914408	40.484744	40.06361	41.202176	40.163417	40.23583	39.797458
35.155607	35.483249	35.590058	36.561751	36.496919	36.048703	36.16349	36.590952	35.955123	36.055132	35.951173
512848.787	430412.62	396877.946	257662.62	294854.844	346240.656	342031.819	317272.781	380312.528	355736.631	385481.864
677385.836	466203.853	409986.791	185129.354	244079.614	326511.964	313669.593	263648.489	330308.222	316854.209	365214.443
164537.049	35791.2325	13108.8447	-72533.267	-50775.23	-19728.692	-28362.226	-53624.292	-50004.306	-38882.422	-20267.421
677385.836	466203.853	409986.791	185129.354	244079.614	326511.964	313669.593	263648.489	330308.222	316854.209	365214.443
356.13	354.61	343.97	292.77	349.5	367.97	368.49	361.54	383.97	364.46	352
1.37836	39.819404	582.116459	87.561485	68.273805	0.932838	0.701518	278.888079	58.842198	20.83426	
1.609433	45.121969	690.43858	88.542935	69.747659	0.852059	0.637716	319.892154	65.402342	19.497954	
0.034846	0.954108	4.904708	1.888394	1.026514	0.022746	0.018382	2.507187	0.687062	0.545942	
0.034846	1.025035	16.119236	2.280194	1.853288	0.022746	0.018382	7.954003	1.696358	0.545942	
42.750149	34.002419	31.141298	25.945232	25.450455	28.218207	28.724496	23.050456	27.743287	27.054147	31.595884
37.192629	30.934427	29.505439	20.644299	22.138848	26.241437	25.563769	23.047062	27.743237	27.051919	30.332048
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
37.181819	30.613162	28.034929	13.590165	19.90388	22.260255	22.202423	20.690958	23.576848	23.429579	26.64168
90439.78	-25752.926	-42463.388	-104360.1	-91384.278	-67551.997	-76083.934	-97472.32	-102442.46	-88158.729	-74376.698
90439.78	-25752.926	-42463.388	-104360.1	-91384.278	-67551.997	-76083.934	-97472.32	-102442.46	-88158.729	-74376.698
13980.3292	11478.911	10300.7348	5759.94981	7322.77471	8725.99725	8703.33162	7937.374	9617.65764	9019.84206	10017.272
485820.715	402038.365	363820.207	208534.689	266670.091	314200.015	313696.681	286261.928	344726.662	323894.045	354749.899
	0.02	0.09	0.01				0.03	0.01		
-164537.05	-35791.232	-13108.845	72533.2668	50775.2299	19728.6922	28362.2257	53624.2916	50004.306	38882.4217	20267.4215
-164538.66	-35836.354	-13799.283	72444.7238	50705.4822	19727.8402	28361.588	53304.3995	49938.9037	38862.9238	20267.4215
16.63	20.03	20.29	15.39	21.05	20.32	22.11	89.63	344.17	64.49	16.92
		0.002717	0.261792							
93139.023	80488.044	69048.12	52885.6031	74723.3644	94585.4185	91246.5534	71941.1899	78249.7475	84374.136	94803.3577
1.24	1.3	1.49	2.25	1.29	1.47	1.3	1.41	1.63	1.46	1.41
27026.6928	28334.436	32475.6228	49040.37	28116.4788	32039.7084	28334.436	30731.9652	35527.0236	31821.7512	30731.9652
586946.056	491956.778	452450.178	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
586946.056	491956.778	452450.178	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
477294.072	395075.423	358109.042	205107.29	262270.342	308878.076	308388.34	281694.166	338917.698	318412.443	348639.363
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272

27026.6928	28334.436	32475.6228	49040.37	28116.4788	32039.7084	28334.436	30731.9652	35527.0236	31821.7512	30731.9652
586946.056	491956.778	452450.178	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
8528.02204	7002.76096	6293.28094	3514.9603	4468.02308	5322.8722	5309.0435	4846.65008	5867.80594	5502.43668	6110.53592
0.02	0.07	0.68	0.21	0.1	0.01	0.01	0.4	0.32	0.07	
7.35	3.75	2.4	0.9	2.25	5.25	2.7	3.15			0.15
0.020074	0.002278	0.001834	0.001353	0.003837	0.009204	0.00462	0.004886			0.000028
0.019414	0.002127	0.001739	0.001273	0.003722	0.00875	0.004464	0.004843			0.000026
866.410691	4.9437			273.744527	1795.67633	410.843598	240.364546			
2.857865	0.019148			0.845038	5.19567	1.249659	0.937829			
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
0.03242	0.033218	0.031956	0.037948	0.024184	0.027627	0.02954	0.033697	0.03424	0.030468	0.017898
1533	168	134.4	113.4	287.7	720.3	367.5	390.6			2.1
7133.89355	800.738814	751.471074	546.990591	1628.03876	3911.21158	2086.46515	2070.21557			10.785482
2.363799	1.303338	0.896557	0.292742	0.84045	1.881672	0.975654	1.107957			0.051359
177.300554	1.245417			49.536276	327.106799	70.528265	46.446373			
5093.34	5089.14	4987.36	5710.74	5027.4	5336.38	5325.88	5194.84	5516.42	5212.2	5169.78
13.546117	13.57104	13.552608	13.468726	13.661413	13.613214	13.586428	13.528229	13.520637	13.538181	13.749414
5264	5264	5152	5936	5152	5488	5488	5376	5712	5376	5264
14	14.037333	14	14	14	14	14	14	14	13.963636	14
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
36.326806	19.550071	13.448368	4.516142	12.606753	28.657782	14.759815	16.619362			0.770391
36.326806	19.550071	13.448368	4.516142	12.606753	28.657782	14.759815	16.619362			0.770391
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
8470.34424	935.585305	800.649376	626.293013	1939.13077	4575.67268	2416.79765	2369.05471			11.857774
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146			1.072291
8470.34424	935.585305	800.649376	626.293013	1939.13077	4575.67268	2416.79765	2369.05471			11.857774
138.46	117.89	92.16	85.32	115.81	179.1	132.12	100.21	83.85	57.08	58.79
6361.98286	795.795114	751.471074	567.990591	1354.29423	2136.53525	1686.12155	1829.85102			10.785482
7466.39508	930.603085	800.649376	626.293013	1604.52961	2464.7982	1929.64764	2108.29234			11.857774
6.709972	3.486162	2.24	0.84	1.904692	3.949838	2.28047	2.76783			0.14
90.379963	11.116972	8.96	7.56	15.877581	26.21288	19.798115	22.943575			0.14
81.528906	59.542669			83.358856	84.587965	88.503319	81.578564			
21.197515	0.595426			5.001531	21.146991	10.620398	8.157856			
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14

0.271808	0.029866	0.024347	0.01783	0.052119	0.1225	0.0625	0.067812				0.000372
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146				1.072291
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146				1.072291
11.820036	0.083027			3.302418	21.807119	4.701884	3.096424				
866.410691	4.9437			273.744527	1795.67633	410.843598	240.364546				
4.11	0.56	0.6	0.34	0.69	1.26	0.96	1.01				0.01
-1241.9507	-134.84649	-49.178302	-58.302421	-311.09201	-643.4611	-319.8325	-298.83915				-1.072291
-8708.3458	-1065.4496	-849.82768	-684.59544	-1915.6216	-3108.2593	-2249.4801	-2407.1315				-12.930065
0.49				0.08	0.71	0.14	0.16				
2125.2341	205.72	151.0461	124.4115	395.9348	1143.4646	550.7724	473.7149				3.3693
0.09			0.02		0.02	0.01					
94.5			21		21	10.5					
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557				10.785482
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557				10.785482
7133.89355	800.738814	751.471074	546.990591	1628.03876	3911.21158	2086.46515	2070.21557				10.785482
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04				0.14
94.5			21		21	10.5					
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557				10.785482
0.03	0.06										

10.80578	10.919115	10.961858	11.218524	11.236384	11.118352	11.143572	11.22045	11.070008	11.098132	11.034954
0.443834	0.372184	0.352032	0.25924	0.27908	0.307585	0.302246	0.265425	0.210149	0.298267	0.332858
0.427377	0.358074	0.337222	0.228471	0.269047	0.295667	0.290708	0.232889	0.140906	0.278037	0.315806
2027554.29	1635652.84	1383206.5	1268037.49	1295819.06	1565541.24	1521957.57	1132192.73	696310.664	1379744.96	1569498.14
7082.83558	6499.91838	6187.79171	5742.8343	5499.9481	5392.99727	5511.40036	5118.75948	3089.68475	5308.70987	5205.20475
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
0.03483	0.033916	0.037008	0.035242	0.033636	0.036876	0.034318	0.035845	0.033478	0.034062	0.033186
631781.728	536243.922	496688.453	396905.321	407197.744	471921.863	464261.644	365356.391	232094.381	433003.288	476447.867
1004615.58	790651.502	748002.177	585607.916	608207.345	726990.076	701093.093	548448.868	338035.817	628723.122	688985.254
3.239306	3.173129	3.186165	3.214618	3.161462	3.191474	3.168554	3.174655	2.901046	3.120226	3.168286
1048755.34	908928.051	837535.476	691300.852	682772.686	784747.23	776744.201	611179.742	338426.848	726658.587	822871.767
10227.519	1352.30863	913.824434	943.041434	2159.21249	9135.74991	4900.37667	2479.05371	448.412522	104.798745	231.926048
132910.533	132738.956	129393.081	137180.357	130238.625	138301.212	138296.444	123710.869	100436.462	131347.546	130994.04
353.48546	353.970549	351.611633	323.538577	353.909307	352.809214	352.797051	322.163721	246.167799	341.162457	348.388404
138029.6	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6

367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
266.947723	202.740095	187.101592	155.137776	169.905502	233.183217	182.85124	188.956744	81.264714	119.304659	120.494104
36.612131	36.139617	36.449851	37.65018	37.011374	37.024775	36.804432	37.10627	33.044616	36.004427	36.390992
2190447.52	1815328.86	1703001.48	1400754.18	1387745.24	1625197.18	1585149.64	1257365.54	738542.249	1465285.13	1620855.62
2843629.12	1937532.51	1735524.04	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
653181.6	122203.651	32522.5598	-324509.67	-242111.13	-105012.42	-157036.36	-217590.92	-51924.599	-151330.52	-100544.91
2843629.12	1937532.51	1735524.04	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
1766.71	1599.02	1480.72	1310.83	1494.73	1870.6	1675.52	1364.11	1137.33	1337.75	1300.43
123061.862	137319	272376.561	65706.524	49830.9797	12720.4356	19482.4086	76442.8658	266.209989	29977.643	4456.46873
157045.354	165432.756	331460.204	75063.4989	57583.5922	14743.164	22114.8009	90075.3654	282.861687	33556.6908	4852.14962
11.819498	11.588409	14.259619	6.57897	6.959168	4.306756	4.501317	8.611287	0.476608	6.22448	1.593741
2383.31657	3402.65535	6788.54678	1585.28286	1122.12014	207.374759	361.162381	1798.6158	5.143668	780.100318	115.85468
49.633969	38.140443	34.113042	27.438031	31.478705	42.156162	35.84205	29.354064	29.636276	29.065404	32.193534
49.610186	38.083857	33.964045	27.35309	31.440442	42.150705	35.825454	29.311913	29.624691	29.033829	32.18995
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
156.890404	131.799802	123.794521	83.871867	98.767179	108.539591	106.719112	85.49363	51.726774	101.80242	115.932579
336253.351	-155103.2	-223091.03	-529984.96	-452424.28	-345969.01	-396064.77	-405224.74	-172988.97	-377521.42	-349434.48
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56607.4754	46022.2707	38767.8372	33976.3891	35224.2019	42340.1452	41472.7296	31030.9382	21099.3803	38413.8317	43474.7953
2027554.29	1635652.84	1383206.5	1268037.49	1295819.06	1565541.24	1521957.57	1132192.73	696310.664	1379744.96	1569498.14
44.74	27.85	37.9	9.43	7.56	4.55	5.33	10.41	0.18	4.6	0.75
-653181.6	-122203.65	-32522.56	324509.672	242111.133	105012.418	157036.357	217590.917	51924.5986	151330.525	100544.911
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305.42	278.57	243.46	377.21	335.54	383.25	377.98	341.32	401.97	350.92	366.64
		0.000247	0.056389			0.000231	0.032196	0.090909	0.009469	0.011363
308000.347	258000.031	223294.907	194168.96	236997.713	310106.233	294093.801	201018.418	163252.86	255846.579	290629.014
4.12	3.69	4.11	5.17	3.42	3.85	3.69	4.52	3.05	4.49	4.06
40368.928	42529.2564	47647.0025	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
2507375.77	2092635.71	1958615.08	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19
2507375.77	2092635.71	1958615.08	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19
2053370.92	1699579.55	1585537.65	1276908.77	1290980.03	1511737.31	1477837.29	1159628.61	676462.665	1355381.71	1511857.02
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
40368.928	42529.2564	47647.0025	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
2507375.77	2092635.71	1958615.08	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19

96707.6695	73220.0526	69816.8286	56757.416	54603.5867	66396.1805	63525.7286	48951.1006	20073.8985	54330.8198	62097.5897
25.56	69.44	86.36	35.11	23.86	4	8.51	29.74	0.34	27.38	7.97
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
2899.98547	2399.1995	1685.47987	3141.21744	2910.92465	4544.32402	4321.15716	3081.93876	5385.72643	3785.17695	4173.82869
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
304.02	276.98	242.86	378.74	335.95	383.16	377.72	343.37	407.43	351.17	366.77
215.922854	180.197042	152.352315	174.428835	206.900033	255.918213	238.888797	203.08979	205.617159	207.128106	242.176775
89.217992	82.654786	67.534731	87.256957	89.18122	132.835721	125.960216	95.224495	117.643553	107.900003	127.572221
28273.7596	23721.3465	16831.6125	33330.4502	30178.1434	51013.1572	47771.0431	33043.7055	47941.6169	38205.5969	47048.3823
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-4482385.1	-3206349.8	-2627027.2	-2363537.3	-2330055.2	-3357191.2	-3117283.8	-2147966.2	-2579626.1	-2917877.5	-3475781.9
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
5323289.08	3811053.49	3006022.78	3061463.33	3028191.17	4673033.58	4311682.92	2835322.98	3814050.89	3894647.79	4739373.64
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
2899.98547	2399.1995	1685.47987	3141.21744	2910.92465	4544.32402	4321.15716	3081.93876	5385.72643	3785.17695	4173.82869
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107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
304.02	276.98	242.86	378.74	335.95	383.16	377.72	343.37	407.43	351.17	366.77
215.922854	180.197042	152.352315	174.428835	206.900033	255.918213	238.888797	203.08979	205.617159	207.128106	242.176775
89.217992	82.654786	67.534731	87.256957	89.18122	132.835721	125.960216	95.224495	117.643553	107.900003	127.572221

28273.7596	23721.3465	16831.6125	33330.4502	30178.1434	51013.1572	47771.0431	33043.7055	47941.6169	38205.5969	47048.3823
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4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
5323289.08	3811053.49	3006022.78	3061463.33	3028191.17	4673033.58	4311682.92	2835322.98	3814050.89	3894647.79	4739373.64
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91

395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	379520.215
1388.98366	1626.30837	1963.15759	2083.42097	1416.18622	977.781501	990.954742	1540.64429	1748.22112	1485.40577	1268.53337
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
319198.631	264884.6	268482.497	223273.137	164750.906	153495.614	147496.496	161182.961	212216.814	216122.819	225758.812
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
20.487274	21.012319	23.035179	21.039646	17.162576	13.632166	13.29091	16.853957	18.747421	19.254762	19.709137
-76361.472	-139733.88	-166808.68	-234810.47	-159566.86	-120908.99	-120038.9	-171150.12	-180556.67	-164539.03	-154816.09
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395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	379520.215
76361.472	139733.884	166808.677	234810.473	159566.862	120908.993	120038.903	171150.124	180556.666	164539.031	154816.091
76361.472	139733.884	166808.677	234810.473	159566.862	120908.993	120038.903	171150.124	180556.666	164539.031	154816.091
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589

395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
319198.631	264884.6	268482.497	223273.137	164750.906	153495.614	147496.496	161182.961	212216.814	216122.819	225758.812
-76361.472	-139733.88	-166808.68	-234810.47	-159566.86	-120908.99	-120038.9	-171150.12	-180556.67	-164539.03	-154816.09
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	360112.86
1317.35482	1542.80786	1860.30042	1975.67961	1345.74332	926.086143	939.119311	1462.51328	1659.62672	1409.08364	1203.74452
8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
358612.218	297632.714	301455.15	250823.662	185298.353	172314.202	165607.396	181201.801	238621.521	242835.347	253739.47
44.298984	26.580476	19.652754	25.60661	20.987765	29.799483	19.835861	26.995584	26.718172	24.947915	27.496918
1.328969	0.797414	1.179165	4.609189	1.679021	1.489974	0.396717	6.208984	10.687268	3.243229	2.474722
8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
23.017024	23.611313	25.858476	23.633943	19.316303	15.295104	14.920575	18.950565	21.079292	21.635677	22.152953
-16556.076	-86198.708	-111059.95	-183577.67	-122850.78	-87598.573	-87940.93	-134256.89	-134203.71	-118258.7	-107378.03
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8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8306.76442
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	360112.86
16556.0759	86198.7079	111059.952	183577.667	122850.781	87598.5734	87940.9304	134256.886	134203.712	118258.705	107378.026
16556.0759	86198.7079	111059.952	183577.667	122850.781	87598.5734	87940.9304	134256.886	134203.712	118258.705	107378.026
0.28	0.14	0.28	2.25	1.04	0.2	0.18	2.53	5.51	1.1	0.64
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
358612.218	297632.714	301455.15	250823.662	185298.353	172314.202	165607.396	181201.801	238621.521	242835.347	253739.47
-16556.076	-86198.708	-111059.95	-183577.67	-122850.78	-87598.573	-87940.93	-134256.89	-134203.71	-118258.7	-107378.03
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
638.5588	761.553331	940.509293	818.936373	838.603122	733.775717	726.984567	718.780117	601.587289	558.088005	570.963768

3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
147495.758	123468.859	126049.002	86963.7129	96663.7257	114910.485	108521.042	74554.8273	72552.6327	80547.0833	100996.12
3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
9.435795	9.870097	11.021258	8.293976	10.221921	10.288866	9.792399	7.861533	6.441659	7.23699	8.875205
-34261.072	-66148.06	-81730.809	-93194.058	-96046.478	-91712.177	-88131.485	-80099.769	-62089.91	-62192.069	-69962.344
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3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
34261.0716	66148.0604	81730.8094	93194.058	96046.4777	91712.1765	88131.4848	80099.7685	62089.9101	62192.0693	69962.3438
34261.0716	66148.0604	81730.8094	93194.058	96046.4777	91712.1765	88131.4848	80099.7685	62089.9101	62192.0693	69962.3438
107664.084	94188.5193	82068.1957	93681.8887	84481.2187	109723.631	107257.945	84388.6958	85110.6544	92054.772	113161.021
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
147495.758	123468.859	126049.002	86963.7129	96663.7257	114910.485	108521.042	74554.8273	72552.6327	80547.0833	100996.12
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181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	330021.056
931.927601	1484.22191	1832.58269	1635.65599	1424.93921	1032.06694	1061.14771	1515.38226	1852.47946	1387.65815	1111.89564
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
119056.52	132936.457	137593.873	96056.6257	88329.1787	85817.9804	85904.9547	86113.41	124763.816	111221.478	108885.052
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
7.652588	10.692674	12.011026	9.237738	9.620347	8.028347	7.950636	9.235121	11.075198	10.046664	9.618613
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2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3603.54831
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	330021.056
144453.33	234276.703	267195.017	262644.025	235890.373	202394.552	199517.8	238655.513	289056.987	243006.828	222352.934

144453.33	234276.703	267195.017	262644.025	235890.373	202394.552	199517.8	238655.513	289056.987	243006.828	222352.934
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263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
119056.52	132936.457	137593.873	96056.6257	88329.1787	85817.9804	85904.9547	86113.41	124763.816	111221.478	108885.052
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263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986

1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1240612.59
4276.82488	5414.89147	6596.55	6513.69294	5025.47187	3669.7103	3718.20633	5237.31994	5861.91459	4840.23558	4155.1373
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
944363.126	818922.629	833580.522	657117.137	535042.163	526538.281	507529.888	503052.999	648154.784	650726.727	689379.454
44.298984	26.580476	19.652754	25.60661	20.987765	29.799483	19.835861	26.995584	26.718172	24.947915	27.496918
1.328969	0.797414	1.179165	4.609189	1.679021	1.489974	0.396717	6.208984	10.687268	3.243229	2.474722
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
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22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22637.8431
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271631.95	526357.355	626794.455	774226.223	614354.494	502614.295	495629.118	624162.291	665907.276	587996.633	554509.395
271631.95	526357.355	626794.455	774226.223	614354.494	502614.295	495629.118	624162.291	665907.276	587996.633	554509.395
0.28	0.14	0.28	2.25	1.04	0.2	0.18	2.53	5.51	1.1	0.64
430656.336	376600.06	328272.783	374615.293	342866.802	445343.053	429031.781	337554.783	362422.179	389021.306	452644.083
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
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1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
944363.126	818922.629	833580.522	657117.137	535042.163	526538.281	507529.888	503052.999	648154.784	650726.727	689379.454

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1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
10.80578	10.919115	10.961858	11.218524	11.236384	11.118352	11.143572	11.22045	11.070008	11.098132	11.034954
0.443834	0.372184	0.352032	0.25924	0.27908	0.307585	0.302246	0.265425	0.210149	0.298267	0.332858
0.427377	0.358074	0.337222	0.228471	0.269047	0.295667	0.290708	0.232889	0.140906	0.278037	0.315806
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4084453.31	3585636.46	3222577.02	3397306.94	3143351.66	3910536.19	3719515.7	2946764.76	3244797.53	3595238.58	4073702.47
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3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
0.03483	0.033916	0.037008	0.035242	0.033636	0.036876	0.034318	0.035845	0.033478	0.034062	0.033186
631781.728	536243.922	496688.453	396905.321	407197.744	471921.863	464261.644	365356.391	232094.381	433003.288	476447.867
1004615.58	790651.502	748002.177	585607.916	608207.345	726990.076	701093.093	548448.868	338035.817	628723.122	688985.254
3.239306	3.173129	3.186165	3.214618	3.161462	3.191474	3.168554	3.174655	2.901046	3.120226	3.168286
1048755.34	908928.051	837535.476	691300.852	682772.686	784747.23	776744.201	611179.742	338426.848	726658.587	822871.767
10227.519	1352.30863	913.824434	943.041434	2159.21249	9135.74991	4900.37667	2479.05371	448.412522	104.798745	231.926048
132910.533	132738.956	129393.081	137180.357	130238.625	138301.212	138296.444	123710.869	100436.462	131347.546	130994.04
353.48546	353.970549	351.611633	323.538577	353.909307	352.809214	352.797051	322.163721	246.167799	341.162457	348.388404
138029.6	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6
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58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
266.947723	202.740095	187.101592	155.137776	169.905502	233.183217	182.85124	188.956744	81.264714	119.304659	120.494104
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2843629.12	1937532.51	1735524.04	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
653181.6	122203.651	32522.5598	-324509.67	-242111.13	-105012.42	-157036.36	-217590.92	-51924.599	-151330.52	-100544.91
3787992.25	2756455.14	2569104.57	1733361.65	1680676.27	2046723.05	1935643.17	1542827.62	1334772.43	1964681.33	2209690.16
1766.71	1599.02	1480.72	1310.83	1494.73	1870.6	1675.52	1364.11	1137.33	1337.75	1300.43
123061.862	137319	272376.561	65706.524	49830.9797	12720.4356	19482.4086	76442.8658	266.209989	29977.643	4456.46873
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73

304.02	276.98	242.86	378.74	335.95	383.16	377.72	343.37	407.43	351.17	366.77
215.922854	180.197042	152.352315	174.428835	206.900033	255.918213	238.888797	203.08979	205.617159	207.128106	242.176775
7.434832	6.887898	5.627894	7.271413	7.431768	11.069643	10.496684	7.935374	13.071505	11.988889	11.597474
28,273.76	23,721.35	16,831.61	33,330.45	30,178.14	51,013.16	47,771.04	33,043.71	47,941.62	38,205.60	47,048.38
157045.354	165432.756	331460.204	75063.4989	57583.5922	14743.164	22114.8009	90075.3654	282.861687	33556.6908	4852.14962
6.894707	6.759905	8.318111	3.837732	4.059515	2.512274	2.625768	5.023251	0.211825	2.766435	0.869313
2,383.32	3,402.66	6,788.55	1,585.28	1,122.12	207.37	361.16	1,798.62	5.14	780.10	115.85
49.571926	38.00622	33.989902	27.418231	31.394929	42.022437	35.807375	29.332066	29.230886	28.975945	32.066849
49.548153	37.949723	33.842273	27.34074	31.357148	42.017604	35.790981	29.293046	29.219303	28.944929	32.063386
-25890.443	-20318.691	-10043.066	-31745.167	-29056.023	-50805.782	-47409.881	-31245.09	-47936.473	-37425.497	-46876.548
-68.857561	-54.183176	-27.290939	-74.870677	-78.956584	-129.60659	-120.94357	-81.36742	-117.49136	-97.209082	-124.67167
-8378558.7	-7848605.4	-7353435.4	-8134176.8	-7273356.7	-8335113.9	-8138317.1	-7222420.5	-7716406.2	-7928462.8	-8340760.9
-77.827015	-83.354685	-89.625838	-86.840183	-84.493116	-74.561644	-75.912859	-85.64502	-83.496215	-80.089147	-73.736001
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79390.3245	70467.1728	65236.5832	60351.4385	55950.3845	60859.9834	59486.9022	51344.9903	44495.5579	60810.8586	66112.6385
3243549.36	2980932.82	2843581.47	2699380.86	2445215.71	2594693.81	2525116.57	2259408.02	2010372.72	2618468.32	2810110.74
8061630.44	7571298.51	7097821.85	7928701.5	7063043.58	8094157.34	7899288.69	7034786.63	7595341.85	7702271.89	8091871.37
8745489.04	8010569.39	7145357.19	8551564.08	7703595.93	9395256.55	9071573.02	7632068.01	8829483.79	8645485.45	9350610.95
		0.000247	0.056389			0.000231	0.032196	0.090909	0.009469	0.011363
846320.768	728788.61	633635.885	662466.142	665993.044	867322.427	830383.527	622961.897	618112.213	743884.341	856434.118
4.12	3.69	4.11	5.17	3.42	3.85	3.69	4.52	3.05	4.49	4.06
40368.928	42529.2564	47647.0025	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
12166550.9	10605060.5	9922540.01	9867538.43	8954032.99	10381837	10073960.3	8765248.07	9051178.66	9893144.11	10550451.1
8205755.98	6644265.55	6046017.29	5401110.07	5077510.26	6252497.55	5944620.86	4720180.88	4753294.77	5848076.92	6589415.95
2053370.92	1699579.55	1585537.65	1276908.77	1290980.03	1511737.31	1477837.29	1159628.61	676462.665	1355381.71	1511857.02
81773.6411	73869.8282	72025.13	61936.7213	57072.5046	61067.3582	59848.0645	53143.6061	44500.7016	61590.9589	66284.4723
40368.928	42529.2564	47647.0025	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
8205755.98	6644265.55	6046017.29	5401110.07	5077510.26	6252497.55	5944620.86	4720180.88	4753294.77	5848076.92	6589415.95
96707.6695	73220.0526	69816.8286	56757.416	54603.5867	66396.1805	63525.7286	48951.1006	20073.8985	54330.8198	62097.5897
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
944363.126	818922.629	833580.522	657117.137	535042.163	526538.281	507529.888	503052.999	648154.784	650726.727	689379.454
-271631.95	-526357.36	-626794.45	-774226.22	-614354.49	-502614.29	-495629.12	-624162.29	-665907.28	-587996.63	-554509.39
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85

2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
-4395883.7	-3792527.1	-4051108.5	-4137302.3	-4395883.7	-3964914.7	-4568271.3	-4051108.5	-4137302.3	-4395883.7	-4137302.3
-4395883.7	-3792527.1	-4051108.5	-4137302.3	-4395883.7	-3964914.7	-4568271.3	-4051108.5	-4137302.3	-4395883.7	-4137302.3
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
47.016169	42.866187	34.836167	32.896189	26.00618	27.156201	30.066212	29.446132	25.916248	28.73611	30.246193
26.772584	26.772566	26.772584	26.772673	26.772584	26.772548	26.772673	26.772619	26.77253	26.77253	26.772566
46.891788	42.741798	34.711787	32.771799	25.881794	27.031806	29.941813	29.321766	25.791834	28.611753	30.121802
46.987466	42.837482	34.807464	32.867483	25.977475	27.127494	30.037504	29.417432	25.887537	28.707412	30.217488
46.269881	42.119856	34.089883	32.149853	25.259865	26.409836	29.319819	28.699934	25.169768	27.989966	29.499846
46.547347	42.397338	34.367348	32.427337	25.537341	26.68733	29.597324	28.977367	25.447305	28.267378	29.777334
46.96833	42.818345	34.788329	32.848347	25.958339	27.108357	30.018366	29.398299	25.868396	28.68828	30.19835
47.006601	42.856618	34.8266	32.88662	25.996612	27.146632	30.056643	29.436565	25.906677	28.726544	30.236625

24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
46.71	42.56	34.53	32.59	25.7	26.85	29.76	29.14	25.61	28.43	29.94
7.100955	7.110244	6.405042	5.800469	5.459676	5.482788	5.515377	5.506943	5.489081	5.579742	6.477654
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
0.030612	0.030284	0.030877	0.03414	0.032181	0.027065	0.029811	0.030664	0.032187	0.024436	0.030625
8898.975	7680.15	8198.775	8345.025	8884.575	8055.9	9255.6	8200.575	8361.9	8955.675	8375.4
21.811213	21.818607	21.8634	21.731835	21.775919	21.891032	21.829245	21.810039	21.775781	21.950183	21.754285
9180	7920	8460	8640	9180	8280	9540	8460	8640	9180	8640
22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558

6.68	6.8	3.5	3.76	11.32	11.88	4.42	4	17.42	4.88	2.8

6.87587	6.78168	6.499109	6.781679	2.54313	3.57922	6.02816	3.67341	3.86179	2.35475	1.69542
0.100309	0.09423	0.027125	0.044218	0.008014	0.018595	0.042067	0.026787	0.017353	0.006647	0.002535
0.0975	0.091335	0.026382	0.043151	0.007818	0.018152	0.040919	0.025957	0.016614	0.006446	0.0025
94462.0103	67483.4577	12785.8664	6784.56233	3930.05296	10375.598	62369.7313	31330.9836	10142.6835	2027.64901	1941.97588
297.551164	224.174714	45.57298	28.168022	16.604894	35.032079	187.482452	99.388177	37.989051	7.802744	6.933791
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68

0.031225	0.036732	0.026755	0.026953	0.024289	0.032581	0.031438	0.033031	0.030156	0.035808	0.032994
21731.8936	17563.6093	5419.31584	9052.22414	1742.70338	3649.29736	9478.3397	5331.90752	3485.40676	1436.77426	524.44992
122012.385	102254.112	30434.4135	52376.2599	9265.4927	21466.3866	55231.3849	31832.1399	19471.2263	8307.84624	3483.27209
4.08961	4.275399	3.909109	4.208158	1.447251	2.181851	3.614665	2.242408	2.32824	1.409867	1.223833
13866.7397	9706.76227	1902.58084	979.684983	612.390169	1490.93587	9064.95594	4473.46895	1539.09771	299.849526	253.950124
22925.08	19666.06	21224.52	21671.7	23089.22	20648.58	23818.86	21087.64	21600.36	22816.62	21537.14
56.188921	55.869488	56.59872	56.436718	56.591225	56.110271	56.176556	56.084148	56.250937	55.923088	55.940623
23664	20416	21808	22272	23664	21344	24592	21808	22272	23664	22272
58	58	58.154666	58	58	58	58	58	58	58	57.84935
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
45.98617	47.54764	43.956482	46.998465	16.332819	24.313831	40.590002	25.08517	26.083518	15.843251	13.291288
45.98617	47.54764	43.956482	46.998465	16.332819	24.313831	40.590002	25.08517	26.083518	15.843251	13.291288
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
167049.224	146942.202	41422.0318	70772.8701	12842.1048	31164.4455	82776.2371	46224.692	28646.0511	10918.9611	4322.81595
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
167049.224	146942.202	41422.0318	70772.8701	12842.1048	31164.4455	82776.2371	46224.692	28646.0511	10918.9611	4322.81595
225.26	224.85	184.41	183.55	108.8	148.79	231.29	153.17	93.36	121.89	104.73
50577.6181	53394.1936	23430.9783	55282.4738	7184.61154	14923.6764	2857.01798	6094.99484	13011.4682	7821.34383	2086.96021
58242.8473	64223.4324	26651.8888	63026.3406	8324.2679	18259.4022	3562.85215	7270.57166	16024.5363	8629.35508	2243.9396
22.000975	25.107713	29.732362	38.650354	10.761256	14.287267	5.832242	8.312794	17.376023	11.719542	6.736689
835.030668	834.148745	373.366068	857.048429	120.003525	229.149749	43.888285	91.139035	206.636484	120.70546	28.718525
65.960802	69.285757	67.992308	65.576092	61.025317	66.532386	68.472972	67.753116	64.927711	64.090146	74.791654
48.105839	49.136509	43.386708	34.056375	14.032691	22.609979	43.69511	25.735536	22.707867	9.611088	12.714477
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
5.655	5.297443	1.534293	2.50276	0.45348	1.052826	2.373349	1.505531	0.963645	0.373872	0.144623
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
1472.20933	1030.55125	201.993931	104.01157	65.016474	158.29025	962.411714	474.940964	163.403515	31.834539	26.961474
94462.0103	67483.4577	12785.8664	6784.56233	3930.05296	10375.598	62369.7313	31330.9836	10142.6835	2027.64901	1941.97588
17.67	14.9	6.03	13.78	2.14	3.51	1.76	2.76	3.15	2.23	0.7
-22009.595	-26064.55	-5205.1871	-8705.8339	-1727.4403	-5865.1711	-17549.488	-8798.7135	-5491.8994	-1069.9682	-293.87986
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12.53	6.06	1.21	0.53	0.31	1.04	8.6	3.66	0.99	0.12	0.25
12407.235	9468.9907	2688.7936	3899.9662	741.2029	1822.1355	5785.9861	3045.756	1623.3301	648.6154	265.02
0.81	0.68	0.28	0.53	0.07	0.07	0.26	0.09	0.11	0.09	

416.2914	349.4792	143.9032	272.3882	35.9758	35.9758	133.6244	46.2546	56.5334	46.2546	
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
122012.385	102254.112	30434.4135	52376.2599	9265.4927	21466.3866	55231.3849	31832.1399	19471.2263	8307.84624	3483.27209
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
416.2914	349.4792	143.9032	272.3882	35.9758	35.9758	133.6244	46.2546	56.5334	46.2546	
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
22610.952	18274.06	5638.528	9418.388	1813.196	3796.912	9861.74	5547.584	3626.392	1494.892	545.664
0.63	0.62	0.79		0.01						
10.795634	10.864317	10.970305	11.013768	11.227538	11.247506	11.144209	11.173439	11.223633	11.132281	11.109941
0.795104	0.734784	0.63276	0.608676	0.500011	0.491894	0.533439	0.523259	0.50737	0.553198	0.557478
0.773234	0.709821	0.610816	0.586682	0.485007	0.474253	0.515559	0.503758	0.488079	0.534782	0.535572
1331050.9	1046161.18	911711.534	754275.619	840337.164	745915.279	969148.945	835238.404	762310.918	841849.836	871024.444
4358.60261	3583.53259	3543.13926	3293.58127	3750.02913	3154.69672	3262.44286	3008.201	3406.2347	3633.8047	3308.55689
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
0.028235	0.034715	0.035664	0.036718	0.031029	0.037119	0.033891	0.038696	0.038307	0.034019	0.039973
375173.357	298906.735	278469.487	274188.521	246029.628	217376.7	269785.838	234287.175	232584.577	268306.766	252531.767
563115.977	448271.107	417022.439	411491.056	368650.216	327120.95	406220.221	353052.995	348105.569	405402.932	380827.981
3.421699	3.421699	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217
720970.64	574409.073	535134.814	526908.081	472795.136	417732.805	518447.445	450229.665	446957.781	515605.112	485290.296
44009.28	37715.58	40247.49	41058.9	43882.74	39331.74	45468.93	40120.95	40991.19	43747.32	40920.15
107.865882	107.146534	107.32664	106.924218	107.555735	106.879728	107.238042	106.704654	106.74789	107.223823	106.286103
45288	39072	41736	42624	45288	40848	47064	41736	42624	45288	42624
111	111	111.296	111	111	111	111	111	111	111	110.711688
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
39.065745	39.407306	39.799352	39.957669	40.733577	40.856185	40.444964	40.541478	40.863368	40.382241	40.37638
38.817533	39.054128	39.418424	39.561372	40.298529	40.359103	40.004614	40.103571	40.287585	39.958628	39.884261
1357649.13	1083440.34	1008406.85	994428.149	891656.807	789992.749	980192.543	851033.006	845172.524	975853.702	919042.422
1844743.87	1367965.75	1025194.76	980579.11	660138.415	613460.074	874016.039	721039.574	640058.626	815561.471	799441.363
487094.738	284525.408	16787.9075	-13849.039	-231518.39	-176532.67	-106176.5	-129993.43	-205113.9	-160292.23	-119601.06
1844743.87	1367965.75	1025194.76	980579.11	660138.415	613460.074	874016.039	721039.574	640058.626	815561.471	799441.363
396.48	339.78	362.59	369.9	395.34	354.34	409.63	361.45	369.29	394.12	368.65
18869.99	28659.1938	88372.6011	231136.25	42402.4437	35358.4291	1135.59796	7570.96262	71863.7266	124690.346	38010.8975
27402.591	41913.6092	108268.51	298588.3	48441.128	41787.35	1184.63531	8390.21494	83175.1096	143981.781	43613.0295

9.592906	14.891914	26.393537	45.362693	23.73931	24.311545	5.885585	11.733043	28.159515	31.979559	19.632808
496.725216	753.703011	2326.08884	6065.51909	1119.7501	917.755586	29.416298	196.316499	1897.7049	3241.20714	994.408439
43.379809	37.972065	32.093573	28.898157	25.232491	25.841321	27.845038	27.899697	24.565299	27.163852	29.445866
43.374434	37.963245	32.035948	28.713151	25.191052	25.779948	27.842451	27.887365	24.463725	27.064292	29.410177
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
85.828995	78.790193	67.981392	65.121802	53.835857	52.642163	57.227113	55.917138	54.17677	59.360838	59.294093
290991.624	128286.857	-128768.09	-157167.38	-360118.08	-290155.48	-247193.56	-252455.34	-326685.86	-300536.18	-251599.41
290991.624	128286.857	-128768.09	-157167.38	-360118.08	-290155.48	-247193.56	-252455.34	-326685.86	-300536.18	-251599.41
34521.5048	26980.445	23166.9332	18941.2529	20845.2799	18454.5604	24234.8797	20828.5275	18906.1751	20978.0149	21833.8176
1331050.9	1046161.18	911711.534	754275.619	840337.164	745915.279	969148.945	835238.404	762310.918	841849.836	871024.444
18.85	16.29	16.99	29.17	3.18	3.51	0.08	0.64	4.77	13.08	6.66
-487094.74	-284525.41	-16787.908	13849.0393	231518.392	176532.674	106176.504	129993.433	205113.898	160292.23	119601.059
-514497.33	-326439.02	-125056.42	-284739.26	183077.264	134745.324	104991.869	121603.218	121938.789	16310.4496	75988.0299
313.21	264.01	266.46	231.19	344.03	309.48	378.17	331.19	307.48	297.31	313.66
118250.52	96469.5728	90103.4519	81901.0009	86088.7633	81186.2307	117033.358	97346.1053	80221.0958	88773.1062	93839.6474
0.78	0.87	0.84	0.91	0.9	0.88	1	0.83	1.11	0.94	1.01
7728.24	8619.96	8322.72	9016.28	8917.2	8719.04	9908	8223.64	10997.88	9313.52	10007.08
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
1284086.62	1022680.18	952157.253	938399.138	841445.351	744853.754	924667.666	803282.66	795063.35	921008.044	866118.277
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
7728.24	8619.96	8322.72	9016.28	8917.2	8719.04	9908	8223.64	10997.88	9313.52	10007.08
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
65834.2724	52140.1982	47926.8814	47012.7314	41294.2564	36419.9541	45616.8765	39526.7067	39111.2944	45532.1374	42917.0649
15.99	18.73	58.76	81.86	33.1	23.82	2.02	9.69	38.86	70.27	35.37

1187.55	1031.13	1098.3	1117.38	1178.52	1072.23	1226.82	1104.12	1109.61	1191.66	1118.22
2.910661	2.929346	2.9288	2.909843	2.888529	2.913668	2.893443	2.936489	2.889609	2.920735	2.904467
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

11.270066	11.347111	11.385545	11.494754	11.709987	11.718938	11.610789	11.581463	11.794143	11.595251	11.525348
0.843296	0.799306	0.763601	0.714292	0.609963	0.619677	0.647901	0.675594	0.599026	0.683811	0.714175
0.802583	0.758654	0.729587	0.676878	0.339787	0.593842	0.617851	0.641373	0.48227	0.654246	0.677456
426611.662	349583.801	361443.817	345526.787	187342.125	296593.845	352811.038	323335.519	250323.844	357314.493	345995.276
1398.85736	1200.26586	1415.86768	1520.10437	837.04023	1259.04151	1192.90895	1170.96569	1148.79459	1553.90761	1320.39697
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
0.048063	0.052556	0.044547	0.053619	0.049509	0.040733	0.047169	0.049042	0.042473	0.044191	0.049687
157484.648	129080.183	133524.841	127501.023	69293.991	109505.57	130221.442	119272.247	92708.1585	131720.706	127631.412
236201.246	193587.682	200177.622	191643.17	103848.774	164678	195829.108	179488.637	138633.509	198422.203	191956.614
2.5991	2.5991	2.5991	2.5991	2.599099	2.5991	2.5991	2.5991	2.599099	2.5991	2.5991
173091.377	141872.029	146757.153	140136.374	76161.0255	120357.572	143126.387	131092.126	101895.537	144774.228	140279.685
16700.77	14340.5	15447.75	15626.63	9779.06	15179.43	17372	15334.66	13262.92	16768.71	15650.28
40.933259	40.740056	41.194	40.694348	23.968284	41.248451	40.971698	40.78367	34.538854	41.099779	40.650077
17544	15136	16168	16512	17544	15824	18232	16168	16512	17544	16512
43	43	43.114666	43	43	43	43	43	43	43	42.888311
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
30.994866	31.387281	31.355849	31.712511	33.239426	32.20941	32.042091	31.965666	33.219115	32.014516	31.770422
30.521152	30.722437	30.82463	31.100439	31.668803	31.681477	31.398191	31.323383	31.890449	31.353327	31.171569
432590.687	356297.952	367177.8	351407.795	196163.637	301347.66	359574.198	329314.544	259390.398	364126.661	352072.317
707602.955	540123.037	446304.756	417618.19	175079.787	289267.43	386034.801	341563.018	236443.023	373976.612	374031.823
275012.268	183825.085	79126.9561	66210.3956	-21083.849	-12080.23	26460.6034	12248.4744	-22947.374	9849.95151	21959.5056
707602.955	540123.037	446304.756	417618.19	175079.787	289267.43	386034.801	341563.018	236443.023	373976.612	374031.823
388.39	333.5	359.25	363.41	227.42	353.01	404	356.62	308.44	389.97	363.96

37.652838	42.094611	31.457153	26.749803	26.037708	26.780579	29.67905	26.878309	24.120427	27.855951	27.731002
7.907096	10.102706	9.122574	7.757443	14.320739	7.766368	8.903715	8.332276	5.306494	8.356785	10.815091
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
34.511078	32.622159	31.45592	29.105781	14.610882	25.535244	26.567617	27.579042	20.73763	28.132598	29.054961
192695.043	116354.873	9333.52168	-434.38896	-57303.819	-69318.792	-41606.144	-50095.129	-71405.929	-59000.461	-44753.433
192695.043	116354.873	9333.52168	-434.38896	-57303.819	-69318.792	-41606.144	-50095.129	-71405.929	-59000.461	-44753.433

14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
426611.662	349583.801	361443.817	345526.787	187342.125	296593.845	352811.038	323335.519	250323.844	357314.493	345995.276
-275012.27	-183825.09	-79126.956	-66210.396	21083.8495	12080.2302	-26460.603	-12248.474	22947.3742	-9849.9515	-21959.506
-275012.27	-183825.09	-79126.956	-66210.396	21083.8495	12080.2302	-26460.603	-12248.474	22947.3742	-9849.9515	-21959.506
2.19	2.33	3.04	2.64	8.15	3.86	3.8	4.03	2.15	3.65	4.71
				0.411764			0.002659	0.164062		0.002604
114331.435	93152.8027	88641.9193	79519.7366	47648.5508	80496.5516	113728.93	95228.3299	63127.2935	86509.8513	91671.1952
1.22	1.37	1.17	1.2	1.8	0.97	1.38	1.22	1.85	1.39	1.24
5979.0248	6714.1508	5733.9828	5881.008	8821.512	4753.8148	6763.1592	5979.0248	9066.554	6812.1676	6077.0416
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
409292.622	335459.711	346934.774	331779.544	180009.8	285035.572	338955.494	310580.763	240529.046	343196.43	332236.299
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
5979.0248	6714.1508	5733.9828	5881.008	8821.512	4753.8148	6763.1592	5979.0248	9066.554	6812.1676	6077.0416
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
17319.0396	14124.09	14509.0431	13747.2426	7332.3252	11558.2731	13855.5441	12754.7556	9794.7975	14118.063	13758.9768
0.029754	0.036306	0.027287	0.028958	0.02799	0.042173	0.045872	0.019281	0.02125	0.034656	0.032005
1187.58	1017.66	1097.22	1118.64	1189.74	1057.44	1213.65	1106.25	1127.52	1181.58	1115.13
2.910735	2.891079	2.92592	2.913125	2.916029	2.873478	2.862382	2.942154	2.93625	2.896029	2.896441
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

7.291508	9.43037	4.923916	5.188477	1.406841	3.102527	6.224154	3.950869	2.684369	0.421875	0.14
0.01884	0.026646	0.003979	0.004982	0.001567	0.005239	0.01475	0.008209	0.005391	0.000575	0.00002
0.018132	0.025698	0.003872	0.004765	0.001529	0.005206	0.014363	0.00801	0.00514	0.000568	0.00002
6408.15768	6892.08737	522.099489	104.398476	230.02189	1592.88907	17091.5288	6661.74016	1337.65392	63.601915	28.000764
19.754917	22.585842	1.894407	0.422586	0.935236	5.077044	50.175173	20.152005	4.887536	0.23685	0.100397

369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
0.034264	0.030752	0.029162	0.028111	0.027806	0.024524	0.032582	0.026742	0.035976	0.028774	0.03246
5195.1	6388.3	1026.4	1284.3	439.2	1362.2	4325.7	2135.4	1404.3	163.6	5.6
24702.0093	33181.1513	4998.59785	7348.0491	2364.4065	8139.48978	25434.4654	12816.016	7762.37439	954.562989	36.298379
2.605935	3.609686	1.709412	2.118448	0.548458	1.274221	2.514489	1.640154	1.074495	0.164234	0.064818
1270.60183	1265.15407	111.324932	17.857809	40.821105	252.139644	2899.71062	1125.33298	242.463841	11.954226	4.31987
19632.9	17073.6	18264.8	18625.3	19867.4	17971.4	20518.4	18296.5	18439.5	19853.8	18592.2
48.119852	48.504545	48.706133	48.503385	48.694607	48.835326	48.392452	48.660904	48.019531	48.661274	48.291428
20400	17600	18800	19200	20400	18400	21200	18800	19200	20400	19200
50	50	50.133333	50	50	50	50	50	50	50	49.870129
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
43.492244	73.512899	33.624441	33.710005	10.741301	27.230789	67.255434	40.472123	27.101085	3.401146	0.907459
36.978264	51.199046	24.18144	29.939334	7.798115	18.018148	35.69925	23.173658	15.229034	2.312156	0.907459
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
27852.7513	39368.9866	5751.29212	8095.52953	2640.10242	9518.70242	29902.1213	14882.7378	9195.85333	1060.86157	36.819009
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
27852.7513	39368.9866	5751.29212	8095.52953	2640.10242	9518.70242	29902.1213	14882.7378	9195.85333	1060.86157	36.819009
228.46	268.62	244.04	160.59	149.89	204.12	341.87	247.81	144.09	158.47	130.51
18519.7926	26530.8929	4502.28636	7290.04663	2152.32561	6562.00771	8389.01764	6177.65785	6457.21646	891.521074	8.297614
20688.9911	31351.8029	5063.67828	7982.77884	2401.84658	7643.11046	9832.92788	7011.10352	7623.29327	993.65865	8.416628
9.211047	13.257807	7.140062	7.55719	1.816559	4.376517	5.847091	4.825147	3.665103	0.602562	0.091437
279.160717	362.469479	64.848219	90.224442	28.284206	77.929505	98.88894	70.792263	81.509725	10.746126	0.091437
75.00048	83.014735	71.134576	86.199383	77.030112	86.98653	88.280333	87.739837	81.953255	74.486358	90.745948
31.381505	43.04687	7.809742	3.447975	2.310903	10.438383	38.729944	21.057561	9.83439	0.744863	0.907459
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
0.906617	1.284943	0.194133	0.238281	0.07647	0.260326	0.71816	0.400531	0.257031	0.028431	0.001038
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
90.739282	89.83052	7.95178	1.275557	2.915793	17.870494	205.611059	79.807736	17.190274	0.853873	0.308562
6408.15768	6892.08737	522.099489	104.398476	230.02189	1592.88907	17091.5288	6661.74016	1337.65392	63.601915	28.000764
4.34	5.32	0.96	1.33	0.4	1.28	2.63	1.48	1.33	0.17	0.01
-2924.801	-5946.0063	-726.90627	-701.08443	-257.75492	-1363.8056	-4421.5748	-2043.3398	-1400.9829	-105.73858	-0.52063
-23613.792	-37297.809	-5790.5845	-8683.8633	-2659.6015	-9006.9161	-14254.503	-9054.4433	-9024.2762	-1099.3972	-8.937258
0.64	0.77	0.05	0.01	0.03	0.13	1.64	0.56	0.14		
3022.871	3764.1903	543.6497	569.6388	191.7898	809.1663	3076.2244	1424.507	779.8076	80.9082	2.789

0.38	0.32	0.04	0.08	0.03	0.01	0.03	0.01	0.03		
218.241	215.649	22.428	44.856	16.821	5.607	16.821	10.782	21.996		
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
24702.0093	33181.1513	4998.59785	7348.0491	2364.4065	8139.48978	25434.4654	12816.016	7762.37439	954.562989	36.298379
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
218.241	215.649	22.428	44.856	16.821	5.607	16.821	10.782	21.996		
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
7.7	26.18	3.36	1.54	1.12	9.8	29.26	12.6	10.5	0.56	
0.06	0.15	0.06								

0.038921	0.024914	0.025053	0.027369	0.032401	0.036141	0.031627	0.033457	0.021848	0.025269	0.030703

1568.48	1372.92	1466.32	1493.96	1579.12	1418.8	1642.36	1453.68	1502.44	1590.76	1488.84
3.844313	3.90034	3.910186	3.89052	3.870392	3.855434	3.87349	3.86617	3.912604	3.898921	3.867116
1632	1408	1504	1536	1632	1472	1696	1504	1536	1632	1536
4	4	4.010666	4	4	4	4	4	4	4	3.98961

10.226532	10.303741	10.353952	10.423897	10.666256	10.670646	10.552176	10.575671	10.684463	10.534484	10.517972
0.698822	0.651325	0.539634	0.508712	0.348917	0.359051	0.405442	0.400607	0.378172	0.444904	0.460043
0.660072	0.620652	0.507719	0.481734	0.238032	0.341312	0.383381	0.377064	0.357496	0.422929	0.434892
557449.94	454340.894	400676.441	390574.065	209883.184	272772.617	349554.502	305365.121	295638.457	368914.202	356703.469
1828.68006	1560.80678	1559.80005	1716.67589	937.384031	1135.91489	1158.28299	1092.42608	1321.28749	1599.97503	1352.99875
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
0.059901	0.05142	0.059574	0.053098	0.066887	0.052119	0.054834	0.062792	0.058958	0.051446	0.058932
159392.5	129884.14	114799.837	111810.877	60196.3756	77940.5522	99898.3534	87131.7366	84846.104	105119.292	101612.323
239384.344	195194.533	171811.28	168028.197	89999.0226	117537.973	150435.196	131705.446	126892.5	159471.344	154122.016
3.4341	3.4341	3.4341	3.4341	3.434099	3.4341	3.4341	3.4341	3.4341	3.4341	3.4341
308281.035	251208.915	222034.366	216253.417	116425.81	150744.822	193213.405	168521.492	164100.85	203311.224	196528.393
22476.616	19566.54	20720.96	21252.462	16292.558	20440.852	23483.95	20650.054	21175.696	22678.786	21176.282

55.089745	55.586761	55.255893	55.344953	39.93274	55.545793	55.386674	54.920356	55.145041	55.585259	55.003329
23908.8	20627.2	22033.6	22502.4	23908.8	21564.8	24846.4	22033.6	22502.4	23908.8	22502.4
58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
38.98894	39.436621	39.627885	39.340206	46.883881	42.560255	40.771087	41.938588	42.603033	41.179635	41.071023
35.737342	36.003593	36.177391	36.410625	37.250503	37.255883	36.848728	36.92731	37.315361	36.782437	36.726539
593909.813	480574.217	434351.276	416124.267	256862.034	305304.385	382012.682	338280.761	328216.823	403288.554	388064.4
857761.552	657308.686	468385.489	450833.844	185778.035	256467.327	371754.356	309728.365	274492.713	368844.137	365169.728
263851.739	176734.468	34034.2125	34709.5761	-71083.999	-48837.059	-10258.325	-28552.396	-53724.11	-34444.417	-22894.672
857761.552	657308.686	468385.489	450833.844	185778.035	256467.327	371754.356	309728.365	274492.713	368844.137	365169.728
383.56	333.9	353.6	361.48	278.03	348.82	400.75	352.39	361.36	387.01	361.37
		105.074526	428.460249	70.110524	73.588405		12.827944	342.503301	137.641788	14.332701
		111.965946	507.489689	70.619668	72.064544		11.663523	376.731207	144.03989	13.148736
		2.107891	5.529102	1.267533	1.265449		0.327664	2.898766	2.333302	0.355431
		2.694224	11.281802	1.77343	1.934307		0.327664	9.649078	3.536993	0.355431
44.923535	41.623105	34.565997	31.055468	27.527595	25.863008	28.931494	29.23044	26.516405	30.682172	30.051914
42.228123	36.212101	32.433704	27.939941	20.639852	23.256661	25.459715	26.303628	23.846183	27.279494	27.31014
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
38.680269	36.370261	29.831696	28.229635	13.948696	20.000923	22.466146	22.095962	20.949302	24.783666	25.418483
180537.279	108844.028	-25971.662	-23733.969	-102548.64	-89576.585	-62475.195	-74096.155	-98073.169	-89390.271	-76007.433
180537.279	108844.028	-25971.662	-23733.969	-102548.64	-89576.585	-62475.195	-74096.155	-98073.169	-89390.271	-76007.433
15781.55	12802.332	11184.1918	10828.8982	5689.29457	7358.40569	9525.646	8307.75434	8034.88292	10108.199	9785.76057
557449.94	454340.894	400676.441	390574.065	209883.184	272772.617	349554.502	305365.121	295638.457	368914.202	356703.469
		0.03	0.11	0.01	0.01				0.03	
-263851.74	-176734.47	-34034.213	-34709.576	71083.9988	48837.0586	10258.3254	28552.396	53724.1104	34444.4172	22894.6721
-263851.74	-176734.47	-34146.178	-35217.066	71013.3792	48764.994	10258.3254	28540.7325	53347.3792	34300.3774	22881.5233
17.66	18.03	20.54	21.87	12.96	20.24	21.87	20.21	23.56	20.81	21.95
			0.002604	0.272058						
105176.482	88157.213	80754.0453	75423.7302	53596.8774	74599.8256	107007.868	87829.8767	73274.1282	80681.1374	85857.2368
1.64	1.18	1.51	1.13	2.11	1.46	1.46	1.48	1.45	1.54	1.41
36459.8732	26233.3234	33569.7613	25121.7419	46908.7393	32458.1798	32458.1798	32902.8124	32235.8635	34236.7102	31346.5983
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
547665.379	446403.448	393845.646	384281.614	206424.833	268282.795	343648.601	300226.938	290993.35	362782.567	350650.409
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116

36459.8732	26233.3234	33569.7613	25121.7419	46908.7393	32458.1798	32458.1798	32902.8124	32235.8635	34236.7102	31346.5983
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
9784.561	7937.44584	6935.86932	6720.9116	3528.46216	4563.4108	5905.90052	5151.01084	4987.60984	6269.27632	6067.39192
		0.21	0.56	0.16	0.11		0.03	0.21	0.22	0.04
4.65	6.9	3.6	3	1.2	2.1	5.85	4.05	2.25	0.3	
0.011799	0.018945	0.002448	0.002793	0.001011	0.004104	0.011911	0.006724	0.004249	0.000367	
0.011446	0.018636	0.00242	0.002708	0.001004	0.003994	0.011603	0.006462	0.00414	0.000367	
673.1673	969.892978	37.819189	2.933545		265.626244	2667.84619	1095.27203	125.940195		
2.090923	3.148283	0.141244	0.011923		0.838308	7.679657	3.293222	0.473047		
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
0.020833	0.02571	0.029308	0.029427	0.029877	0.019619	0.03507	0.037712	0.037135	0.035955	0.032057
980.7	1377.6	191.1	218.4	86.1	308.7	1033.2	510.3	333.9	31.5	
4458.33717	6883.80592	966.862516	1270.9044	468.803103	1852.73953	6103.69149	3058.74303	1834.79603	194.778622	
1.454058	2.373439	1.215296	1.173054	0.438751	0.844283	2.249624	1.574739	0.84562	0.117196	
134.02905	183.295282	7.633536	0.504739		41.893463	444.532148	184.190078	23.086154		
5593	4801.3	5109.72	5217.8	5541.34	5050.92	5727.82	5065.48	5176.36	5506.62	5203.66
13.708333	13.640056	13.62592	13.58802	13.581715	13.725326	13.509009	13.472021	13.480104	13.496617	13.516
5712	4928	5264	5376	5712	5152	5936	5264	5376	5712	5376
14	14	14.037333	14	14	14	14	14	14	14	13.963636
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
22.63253	37.778187	18.60444	17.595824	6.706267	12.717826	33.920877	23.733599	12.713149	1.757947	
22.63253	37.778187	18.60444	17.595824	6.706267	12.717826	33.920877	23.733599	12.713149	1.757947	
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
5024.541	8238.8962	1108.60199	1380.63771	519.531921	2140.85642	7064.70352	3497.162	2144.53488	214.587334	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
5024.541	8238.8962	1108.60199	1380.63771	519.531921	2140.85642	7064.70352	3497.162	2144.53488	214.587334	
112.78	139.98	136.37	81.72	99.24	104.31	172.62	120.54	83.99	81.4	69.57
3953.16987	6050.41294	939.543327	1267.97085	479.303103	1597.61329	3467.34531	1984.47101	1719.35584	194.778622	
4312.92718	7117.56701	1054.11861	1377.66799	519.531921	1831.51797	4048.52067	2229.26183	2001.44679	214.587334	
4.027057	6.240353	3.295093	2.794391	1.12	1.904309	4.514895	3.463591	2.064484	0.28	
56.444729	79.620314	12.231097	14.52635	5.74	17.787102	39.244523	21.740661	20.720923	2.1	
83.698311	83.671605	73.761759	87.180008		99.773411	93.160406	94.417507	89.732063		
10.1567	17.566556	2.212852	0.8718		4.98867	29.636054	16.711535	3.589282		
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	

0.160245	0.260909	0.033973	0.037916	0.014068	0.055923	0.162452	0.090478	0.057968	0.005147	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
8.93527	12.219685	0.508902	0.033649		2.792897	29.635476	12.279338	1.539076		
673.1673	969.892978	37.819189	2.933545		265.626244	2667.84619	1095.27203	125.940195		
3.64	4.31	0.66	0.92	0.33	0.73	1.82	1.09	0.83	0.11	
-398.20382	-1218.5903	-131.23947	-109.73331	-40.228817	-277.61689	-929.51203	-417.41896	-299.23885	-19.808712	
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0.5	0.38	0.01			0.08	1.13	0.45	0.05		
1462.9439	1946.6202	248.6043	251.4825	92.9914	409.065	1657.3912	780.1361	411.0354	36.7486	
0.16	0.13	0.01		0.01	0.01	0.03	0.02	0.01		
168	136.5	10.5		10.5	10.5	31.5	21	10.5		
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
4458.33717	6883.80592	966.862516	1270.9044	468.803103	1852.73953	6103.69149	3058.74303	1834.79603	194.778622	
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
168	136.5	10.5		10.5	10.5	31.5	21	10.5		
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
0.03	0.01									

10.753221	10.834553	10.921052	10.97471	11.207962	11.241979	11.125426	11.142971	11.217359	11.109364	11.079262
0.468916	0.437529	0.369661	0.354837	0.257621	0.281223	0.310165	0.305308	0.280829	0.318625	0.32434
0.45149	0.421209	0.355987	0.34115	0.225931	0.271172	0.298324	0.293077	0.26462	0.306958	0.311113
2416655.84	1925431.32	1687177.58	1497268.36	1241722.55	1327515.86	1753643.59	1503027.04	1319879.5	1570169.78	1575693.17
7905.53703	6594.51408	6566.41562	6558.96406	5541.99352	5590.60056	5858.97207	5394.42617	5919.66641	6795.72693	5988.98679
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
0.035077	0.034336	0.033065	0.034232	0.035176	0.033216	0.037309	0.034485	0.035551	0.033614	0.036474
719958.199	583200.567	533430.982	524055.345	377787.998	410143.02	514742.873	448668.766	415362.446	506778.638	482305.551
1189874.3	979372.391	825411.215	832157.637	574596.715	640795.538	839254.067	711953.976	642699.975	772753.667	730426.182
3.304311	3.319044	3.240011	3.265108	3.282875	3.230767	3.274863	3.242216	3.264214	3.216131	3.208905
1202343.05	967490.017	903926.332	883297.872	665381.971	688835.199	854787.237	749843.283	712954.168	863690.563	822098.374
15271.3706	11155.2116	2021.53931	998.047532	653.211275	1784.96898	12409.1987	5782.99201	1804.64771	311.803752	258.269994
144180.231	124265.44	132875.855	135527.797	131284.273	130227.292	149728.39	132419.909	132747.496	144291.531	135177.302
353.382919	353.026818	354.335613	352.936971	321.775178	353.87851	353.132995	352.180609	345.696604	353.655713	351.109875
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4

367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
221.160497	269.069935	206.96845	209.314683	154.637274	179.888299	255.024457	203.736626	182.583271	134.578739	127.416574
37.187444	37.611299	36.90487	37.410724	38.389778	37.839493	38.024474	37.659456	38.159997	37.184956	36.988595
2558743.55	2081633.44	1852154.52	1832692.6	1358658.79	1431962.2	1818621.91	1571973.43	1465574.06	1754267.81	1663244.37
3610034.89	2759947.55	1988166.93	1929280.18	1036997.98	1202018.84	1751548.26	1436935.55	1190980.8	1570576.63	1543002.55
1051291.34	678314.108	136012.409	96587.584	-321660.82	-229943.37	-67073.651	-135037.88	-274593.26	-183691.18	-120241.83
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1741.61	1647.43	1643.76	1524.41	1270.04	1525.27	1964.58	1595.98	1377.95	1537.74	1401.59
91920.5706	114634.693	117350.484	295405.202	52288.7945	58515.3149	15848.9789	21840.9143	93394.2704	133735.631	40120.4881
110647.357	144606.412	141150.162	371482.577	59757.3941	69593.4452	18628.936	24912.8155	109201.117	153963.422	45878.5345
7.720433	10.393656	10.829858	15.350131	5.788745	7.217372	3.989557	4.783912	8.261285	6.788218	5.363273
1667.36133	2029.94155	2779.22845	7038.60011	1275.55126	1244.55625	211.438047	380.316123	2216.22111	3378.29572	1023.57384
49.760233	50.291513	40.515994	35.257375	28.811599	32.069618	44.897621	37.835317	30.596817	30.164825	31.857545
49.597392	50.078752	40.431714	35.169807	28.788318	32.032936	44.788738	37.778497	30.543284	30.106039	31.823362
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
165.742205	154.625909	131.031408	125.236177	82.939455	99.547407	109.514839	107.588686	97.142348	112.684553	113.9132
689556.546	386714.906	-139342.9	-171819.09	-517945.12	-441544.26	-328374.33	-365387.15	-488972.83	-447731.39	-372065.88
689556.546	386714.906	-139342.9	-171819.09	-517945.12	-441544.26	-328374.33	-365387.15	-488972.83	-447731.39	-372065.88
65955.4587	52398.3784	46357.5495	41052.0919	32563.7467	35388.8897	46222.854	40073.0299	35086.4409	42597.0023	42833.0082
2416655.84	1925431.32	1687177.58	1497268.36	1241722.55	1327515.86	1753643.59	1503027.04	1319879.5	1570169.78	1575693.17
44.5	40.82	24.67	45.31	6.06	9.04	6.29	5.97	10.08	15.62	7.37
-1051291.3	-678314.11	-136012.41	-96587.584	321660.816	229943.37	67073.6512	135037.882	274593.262	183691.18	120241.825
-1161938.7	-822920.52	-277162.57	-468070.16	261903.422	160349.924	48444.7152	110125.067	165392.145	29727.7589	74363.2909
346.73	291.58	291.31	256.24	365.48	334.83	415.21	360.1	334.37	321.89	340.57
			0.000236	0.062165			0.000241	0.014914		0.000236
354651.488	292959.39	262980.464	241565.555	188360.176	239322.975	348289.757	285654.711	219436.691	256730.367	271635.888
4.99	4.55	3.85	3.85	4.92	3.4	4.16	3.65	4.56	3.96	3.66
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
2920478.34	2373232.65	2127509.83	2101099.27	1554943.09	1643563.09	2079922.58	1802322.7	1679953.63	2018308.02	1915068.43
2920478.34	2373232.65	2127509.83	2101099.27	1554943.09	1643563.09	2079922.58	1802322.7	1679953.63	2018308.02	1915068.43
2392217.35	1946862.41	1729337.55	1715455.51	1239978.69	1329630.74	1694041.3	1461797.26	1355654.14	1636444.23	1552524.56
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
2920478.34	2373232.65	2127509.83	2101099.27	1554943.09	1643563.09	2079922.58	1802322.7	1679953.63	2018308.02	1915068.43

115556.525	92501.9741	75013.6818	76900.8136	53969.3598	56348.35	75269.3211	62992.6572	57530.5937	67414.9287	63289.0976
16.71	19.51	59.82	82.42	33.27	23.93	2.02	9.72	39.07	70.49	35.41
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52
3692.08339	2869.80727	2605.2201	1833.49183	3298.73539	2983.22253	5150.30744	4238.18735	2787.02282	2651.79274	3344.22048
-124648.04	-102934.77	-96210.351	-87564.408	-91554.258	-86992.868	-124725.6	-104211.13	-86072.662	-94320.282	-100811.07
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52
344.7	290.19	289.82	255.36	367.77	334.56	415.38	359.81	334.16	321.01	340.06
218.762018	216.575789	187.316788	159.128582	177.823334	207.312614	267.088435	249.241168	206.455123	172.392842	205.203562
88.811801	93.309712	84.323741	72.074536	91.043249	91.209268	141.001036	129.094464	90.338151	85.892287	102.851062
32396.1129	28471.0107	25229.5357	18945.0843	33711.2866	30823.0417	58723.8685	46692.1736	30581.8218	28287.2627	35519.6789
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-47.212763	-42.877281	-35.139429	-32.959405	-26.015704	-27.870497	-30.92225	-29.917111	-26.206084	-28.79895	-30.367042
-5884907.2	-4416410.2	-3379737.7	-2886566.7	-2381540.8	-2422580.1	-3855293.8	-3114007.8	-2258362.2	-2717987.7	-3062003.8
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
7029675.99	5267155.8	4051825.87	3309169.79	3126532.06	3146428.97	5388824.59	4301905.39	2904091.5	3338868.46	3944717.36
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52
3692.08339	2869.80727	2605.2201	1833.49183	3298.73539	2983.22253	5150.30744	4238.18735	2787.02282	2651.79274	3344.22048
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124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52
344.7	290.19	289.82	255.36	367.77	334.56	415.38	359.81	334.16	321.01	340.06
218.762018	216.575789	187.316788	159.128582	177.823334	207.312614	267.088435	249.241168	206.455123	172.392842	205.203562
88.811801	93.309712	84.323741	72.074536	91.043249	91.209268	141.001036	129.094464	90.338151	85.892287	102.851062

32396.1129	28471.0107	25229.5357	18945.0843	33711.2866	30823.0417	58723.8685	46692.1736	30581.8218	28287.2627	35519.6789
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-47.212763	-42.877281	-35.139429	-32.959405	-26.015704	-27.870497	-30.92225	-29.917111	-26.206084	-28.79895	-30.367042
-5884907.2	-4416410.2	-3379737.7	-2886566.7	-2381540.8	-2422580.1	-3855293.8	-3114007.8	-2258362.2	-2717987.7	-3062003.8
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
7029675.99	5267155.8	4051825.87	3309169.79	3126532.06	3146428.97	5388824.59	4301905.39	2904091.5	3338868.46	3944717.36
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84

448937.21	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
1476.82227	1365.01933	1654.9698	2077.44288	2044.55196	1456.82532	1056.43651	979.004101	1571.90656	1776.70112	1514.10901
8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
417135.512	318460.09	273652.327	288860.597	221773.91	170466.964	170101.879	146464.209	166864.903	218949.233	223103.107
8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
21.845103	21.182704	21.047306	23.023171	21.012114	17.175529	13.552216	13.361492	16.879765	18.751884	19.272678
-56733.121	-78737.651	-146793.92	-182094.03	-234906.75	-166231.12	-135995	-121160.06	-178422.17	-188607.22	-172159.3
-56733.121	-78737.651	-146793.92	-182094.03	-234906.75	-166231.12	-135995	-121160.06	-178422.17	-188607.22	-172159.3
8435.53865	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
448937.21	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
56733.1213	78737.6506	146793.922	182094.029	234906.747	166231.12	135994.995	121160.065	178422.173	188607.223	172159.302
56733.1213	78737.6506	146793.922	182094.029	234906.747	166231.12	135994.995	121160.065	178422.173	188607.223	172159.302
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138

473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
417135.512	318460.09	273652.327	288860.597	221773.91	170466.964	170101.879	146464.209	166864.903	218949.233	223103.107
-56733.121	-78737.651	-146793.92	-182094.03	-234906.75	-166231.12	-135995	-121160.06	-178422.17	-188607.22	-172159.3
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
424304.598	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
1395.80963	1290.01485	1564.57818	1961.61065	1931.98294	1379.48444	997.32173	924.282674	1486.96056	1680.76503	1431.21855
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
468740.828	357793.626	307510.499	324353.62	249136.373	191813.686	191027.374	164425.901	187619.692	246223.583	250682.42
25.393999	23.851964	49.383434	33.950267	25.53786	22.041912	28.754634	24.217318	27.079686		26.838146
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10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
24.54793	23.798656	23.653283	25.846041	23.604158	19.33312	15.210134	14.996707	18.980902	21.086135	21.656565
20726.8145	-17585.435	-89953.369	-120380.24	-182406.19	-126991.02	-97956.67	-88247.029	-138985.46	-139283.28	-122933.4
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9479.22666	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
424304.598	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
-20726.814	17585.4348	89953.3692	120380.245	182406.187	126991.018	97956.6696	88247.0291	138985.463	139283.275	122933.395
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0.06	0.09	0.2	0.03	3.19	0.2	0.48	0.21	0.48		0.65
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
468740.828	357793.626	307510.499	324353.62	249136.373	191813.686	191027.374	164425.901	187619.692	246223.583	250682.42
20726.8145	-17585.435	-89953.369	-120380.24	-182406.19	-126991.02	-97956.67	-88247.029	-138985.46	-139283.28	-122933.4
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
640.066527	606.009038	759.195086	953.247081	766.489448	832.070539	754.993058	694.700561	714.78648	592.507011	552.059737

3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
177856.179	146011.693	129352.919	134576.655	86071.352	101294.834	125593.644	107522.876	78014.1018	75428.4275	83481.2021
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
9.323114	9.777373	10.039125	10.940841	8.195955	10.254937	10.100884	9.867672	7.957271	6.478387	7.296253
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3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
17014.0648	30303.2908	63511.2313	80655.076	85239.1969	92037.8053	93812.9298	82552.9701	78523.89	59981.792	60426.822
17014.0648	30303.2908	63511.2313	80655.076	85239.1969	92037.8053	93812.9298	82552.9701	78523.89	59981.792	60426.822
124648.035	102934.774	94745.4777	87564.4077	83692.5856	86992.8678	122224.144	104211.133	86072.6623	94320.2824	100811.073
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
177856.179	146011.693	129352.919	134576.655	86071.352	101294.834	125593.644	107522.876	78014.1018	75428.4275	83481.2021
-17014.065	-30303.291	-63511.231	-80655.076	-85239.197	-92037.805	-93812.93	-82552.97	-78523.89	-59981.792	-60426.822
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
429371.778	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
1424.30412	906.027761	1525.46694	1913.33351	1571.70995	1455.40321	1074.14988	1059.01846	1539.6539	1867.47905	1403.96573
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
224080.239	118229.928	139442.046	147639.455	95560.7778	93874.1722	92139.1256	86566.9338	90692.2677	129567.678	114942.19
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
11.870483	7.927017	10.922325	11.979611	9.146655	9.706348	7.785055	8.172875	9.318517	11.124811	10.107972
-229939.41	-143696.47	-245037.47	-284178.58	-254746.61	-241423.49	-217712.94	-201895.7	-245203.76	-296501.02	-250359.41
-229939.41	-143696.47	-245037.47	-284178.58	-254746.61	-241423.49	-217712.94	-201895.7	-245203.76	-296501.02	-250359.41
4577.86744	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
429371.778	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
229939.406	143696.475	245037.47	284178.583	254746.606	241423.488	217712.942	201895.698	245203.765	296501.023	250359.413

229939.406	143696.475	245037.47	284178.583	254746.606	241423.488	217712.942	201895.698	245203.765	296501.023	250359.413
124648.035	100933.783	96060.8656	87564.4077	91462.102	86797.2809	123003.754	104211.133	85790.1304	94320.2824	100742.548
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
224080.239	118229.928	139442.046	147639.455	95560.7778	93874.1722	92139.1256	86566.9338	90692.2677	129567.678	114942.19
-229939.41	-143696.47	-245037.47	-284178.58	-254746.61	-241423.49	-217712.94	-201895.7	-245203.76	-296501.02	-250359.41
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
1497483.83	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
4937.00255	4167.07099	5504.21001	6905.63412	6314.7343	5123.78351	3882.90118	3657.00579	5313.3075	5917.45221	4901.35302
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
1287812.76	940495.338	849957.791	895430.327	652542.413	557449.656	578862.023	504979.92	523190.964	670168.921	672208.919
25.393999	23.851964	49.383434	33.950267	25.53786	22.041912	28.754634	24.217318	27.079686		26.838146
0.507879	0.477039	1.975337	0.679005	6.129086	0.440838	2.30037	1.210865	1.624781		1.610288
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
67.586631	62.685751	65.662041	71.789665	61.958883	56.469935	46.648292	46.398748	53.136457	57.441219	58.333469
-282959.78	-270322.85	-545295.99	-667307.93	-757298.74	-626683.43	-545477.54	-493855.76	-641135.29	-684373.31	-605878.93
-282959.78	-270322.85	-545295.99	-667307.93	-757298.74	-626683.43	-545477.54	-493855.76	-641135.29	-684373.31	-605878.93
26296.4634	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
1497483.83	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
282959.778	270322.851	545295.992	667307.932	757298.737	626683.431	545477.536	493855.762	641135.291	684373.314	605878.932
282959.778	270322.851	545295.992	667307.932	757298.737	626683.431	545477.536	493855.762	641135.291	684373.314	605878.932
0.06	0.09	0.2	0.03	3.19	0.2	0.48	0.21	0.48		0.65
498592.14	409738.104	383227.045	350257.631	358263.204	347775.884	494679.095	416844.531	344008.117	377281.13	403175.767
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
1287812.76	940495.338	849957.791	895430.327	652542.413	557449.656	578862.023	504979.92	523190.964	670168.921	672208.919

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1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
10.753221	10.834553	10.921052	10.97471	11.207962	11.241979	11.125426	11.142971	11.217359	11.109364	11.079262
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0.45149	0.421209	0.355987	0.34115	0.225931	0.271172	0.298324	0.293077	0.26462	0.306958	0.311113
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
5058908.46	3986995.11	3754519.53	3482609.69	3396554.94	3235497.84	4411513.98	3689760.27	3129935.08	3545592.73	3736494.54
16534.623	13631.3923	14675.8457	15298.09	15155.4632	13697.6066	14892.1807	13289.6193	14019.9967	15364.9719	14234.5603
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4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
0.035077	0.034336	0.033065	0.034232	0.035176	0.033216	0.037309	0.034485	0.035551	0.033614	0.036474
719958.199	583200.567	533430.982	524055.345	377787.998	410143.02	514742.873	448668.766	415362.446	506778.638	482305.551
1189874.3	979372.391	825411.215	832157.637	574596.715	640795.538	839254.067	711953.976	642699.975	772753.667	730426.182
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15271.3706	11155.2116	2021.53931	998.047532	653.211275	1784.96898	12409.1987	5782.99201	1804.64771	311.803752	258.269994
144180.231	124265.44	132875.855	135527.797	131284.273	130227.292	149728.39	132419.909	132747.496	144291.531	135177.302
353.382919	353.026818	354.335613	352.936971	321.775178	353.87851	353.132995	352.180609	345.696604	353.655713	351.109875
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
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3610034.89	2759947.55	1988166.93	1929280.18	1036997.98	1202018.84	1751548.26	1436935.55	1190980.8	1570576.63	1543002.55
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
1051291.34	678314.108	136012.409	96587.584	-321660.82	-229943.37	-67073.651	-135037.88	-274593.26	-183691.18	-120241.83
4897847.65	3700442.89	2838124.72	2824710.51	1689540.39	1759468.49	2330410.28	1941915.47	1714171.77	2240745.55	2215211.47
1741.61	1647.43	1643.76	1524.41	1270.04	1525.27	1964.58	1595.98	1377.95	1537.74	1401.59
91920.5706	114634.693	117350.484	295405.202	52288.7945	58515.3149	15848.9789	21840.9143	93394.2704	133735.631	40120.4881
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52

344.7	290.19	289.82	255.36	367.77	334.56	415.38	359.81	334.16	321.01	340.06
218.762018	216.575789	187.316788	159.128582	177.823334	207.312614	267.088435	249.241168	206.455123	172.392842	205.203562
7.400983	7.775809	7.026978	6.006211	7.586937	7.600772	11.750086	10.757872	7.528179	7.15769	10.285106
32,396.11	28,471.01	25,229.54	18,945.08	33,711.29	30,823.04	58,723.87	46,692.17	30,581.82	28,287.26	35,519.68
110647.357	144606.412	141150.162	371482.577	59757.3941	69593.4452	18628.936	24912.8155	109201.117	153963.422	45878.5345
4.503586	6.062966	6.317417	8.954243	3.376768	4.210133	2.327242	2.790615	4.819083	3.959794	2.681636
1,667.36	2,029.94	2,779.23	7,038.60	1,275.55	1,244.56	211.44	380.32	2,216.22	3,378.30	1,023.57
49.696445	50.260429	40.590291	35.215674	28.608809	32.03122	44.66875	37.721387	30.600839	30.164825	31.769813
49.533612	50.04767	40.506215	35.128606	28.586546	31.994554	44.560919	37.664655	30.548349	30.106039	31.735929
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92251.9221	74463.7629	70980.815	68619.3234	57842.9714	56169.8261	66001.7299	57518.9592	55490.8405	66033.0197	65291.3941
3914139.67	3136249.51	3082431.36	3060006.62	2651563.7	2511648.94	2877983.15	2501862.72	2484205.75	2924712.02	2853781.02
9512459.33	7800946.06	7840129.81	7594589.39	7856384.08	7244121.59	9036116.26	7794009.99	7311393.04	7981935.95	7925426.91
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			0.000236	0.062165			0.000241	0.014914		0.000236
977891.663	805632.267	742417.86	679387.594	638177.637	674091.727	967694.45	806710.375	649517.47	728331.779	775622.728
4.99	4.55	3.85	3.85	4.92	3.4	4.16	3.65	4.56	3.96	3.66
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
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10376158.1	8000461.03	6902501.32	6550404.25	5346325.07	5250276.25	7059555.91	5915166.22	5102642.06	6090838.01	6255160.12
2392217.35	1946862.41	1729337.55	1715455.51	1239978.69	1329630.74	1694041.3	1461797.26	1355654.14	1636444.23	1552524.56
95198.1659	76493.7045	73760.0434	75657.9235	59118.5226	57414.3823	66213.1679	57899.2754	57707.0616	69411.3154	66314.9679
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115556.525	92501.9741	75013.6818	76900.8136	53969.3598	56348.35	75269.3211	62992.6572	57530.5937	67414.9287	63289.0976
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
1287812.76	940495.338	849957.791	895430.327	652542.413	557449.656	578862.023	504979.92	523190.964	670168.921	672208.919
-282959.78	-270322.85	-545295.99	-667307.93	-757298.74	-626683.43	-545477.54	-493855.76	-641135.29	-684373.31	-605878.93
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85

2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
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-4223711.6	-4307966	-3868377.7	-4132130.7	-4395883.7	-4307966	-4044213	-4659636.7	-4132130.7	-4395883.7	-4307966
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
31.566189	48.478843	44.19888	35.918896	33.908876	26.808925	27.988842	30.998927	30.358898	26.718888	29.628834
26.772548	20.775786	20.775759	20.775732	20.775719	20.775813	20.775786	20.77584	20.775773	20.775799	20.775746
31.441799	48.353376	44.073397	35.793407	33.783395	26.683424	27.863375	30.873425	30.233408	26.593402	29.50337
31.537483	48.449889	44.169923	35.889937	33.879919	26.779963	27.959888	30.969965	30.329939	26.68993	29.599881
30.819853	47.726036	43.445984	35.165961	33.155989	26.055919	27.236039	30.245916	29.605958	25.965972	28.87605
31.097337	48.005926	43.725907	35.445898	33.435909	26.335883	27.515927	30.525882	29.885897	26.245902	29.155931
31.518347	48.430587	44.150617	35.870631	33.860614	26.760655	27.940585	30.950657	30.310632	26.670624	29.580579
31.55662	48.469192	44.189228	35.909243	33.899224	26.799271	27.979191	30.989273	30.349245	26.709236	29.619183

24.668451	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182
1.5	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
31.26	48.17	43.89	35.61	33.6	26.5	27.68	30.69	30.05	26.41	29.32
7.230542	7.302666	7.350014	6.5869	5.983734	5.632018	5.652782	5.691668	5.678777	5.671437	5.754923
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
0.025306	0.03079	0.02946	0.031436	0.0346	0.022474	0.032663	0.026061	0.040345	0.030075	0.025892
8596.8	8548.425	7686.675	8194.05	8688.6	8621.775	8009.55	9291.375	8118.675	8729.325	8591.625
21.930612	21.807206	21.837144	21.8508	21.7215	21.994323	21.765081	21.91362	21.59222	21.823312	21.91741
8820	8820	7920	8460	9000	8820	8280	9540	8460	9000	8820
22.5	22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5

3.04	10.76	6.41	10.62	0.94	15.4	6.81	8.02	7.76	14.09	4.62

0.75352	7.25263	7.629389	6.02816	6.781679	2.91989	2.91989	5.93397	3.86179	3.29665	1.97799
0.00055	0.089694	0.08666	0.033551	0.045395	0.009668	0.016939	0.039877	0.021904	0.013152	0.003759
0.000535	0.087551	0.083409	0.032659	0.044525	0.009464	0.016548	0.038419	0.021356	0.01265	0.003673
893.625007	94905.3143	64573.1083	16365.3397	32624.6703	3826.95762	12386.8219	61268.7863	28030.661	6564.83878	1308.1153
2.614096	294.831116	211.18831	57.946294	137.382924	15.902215	41.665897	177.212274	87.347912	23.063207	5.258353
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52

0.020561	0.025357	0.040312	0.035132	0.02645	0.03278	0.029347	0.033891	0.028058	0.031075	0.026377
114.72342	18749.0846	16039.4267	6708.58856	9729.63862	2026.78042	3326.97918	8899.25958	4386.80506	2764.28812	786.67488
812.648111	106602.285	94665.9515	40130.021	56740.0864	10993.2384	19477.7696	53553.3867	26676.9861	15404.6399	4336.79908
0.556551	4.481014	4.868207	3.697823	4.297148	1.698568	1.804653	3.706305	2.460076	1.968426	1.182275
108.41529	13938.1828	9078.8765	2350.34877	4694.67757	593.525947	1764.93286	8615.7648	3908.60098	986.275348	183.466837
22268.52	22159.48	19592.98	21041.82	22586.36	21990.7	20717.6	23758.54	21196.1	22479.06	22136.28
56.807448	56.529285	55.661875	56.11152	56.4659	56.098724	56.297826	56.034292	56.372606	56.19765	56.470102
22736	22736	20416	21808	23200	22736	21344	24592	21808	23200	22736
58	58	58	58.154666	58	58	58	58	58	58	58
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
6.132493	50.276765	54.280286	41.633405	48.050933	19.240635	20.203498	41.528509	27.434311	22.213074	13.472713
6.132493	50.276765	54.280286	41.633405	48.050933	19.240635	20.203498	41.528509	27.434311	22.213074	13.472713
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
992.846063	143823.565	135515.941	54963.3946	76829.2911	15481.0735	28663.002	79969.616	38502.0331	22669.8312	5499.83578
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
992.846063	143823.565	135515.941	54963.3946	76829.2911	15481.0735	28663.002	79969.616	38502.0331	22669.8312	5499.83578
110.47	238.66	222.38	183.88	198.85	80.23	109.64	237.67	173.87	59.95	118.14
48.665903	32042.9152	47478.1128	31060.0739	34728.2949	9360.01838	10670.3275	2021.1214	3366.63152	11847.9919	3916.30577
52.05167	36100.1876	57759.0817	35879.819	39888.9235	11059.7131	12855.2507	2561.65033	4091.25741	14449.4778	4119.553
0.500452	21.1809	28.511952	28.325904	30.276789	14.07834	11.412603	4.524621	4.770918	16.253283	9.388583
0.669723	510.765673	738.990361	462.707271	534.553673	152.166309	165.839932	30.098182	50.770154	188.768741	64.041622
78.502633	68.485243	69.406402	67.654837	69.441205	62.451596	67.214759	71.570086	70.733843	64.641787	66.462219
6.28021	52.534693	55.493711	39.77801	47.168795	14.973308	18.115337	45.05799	28.991368	16.756022	5.981599
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
0.031071	5.077959	4.837727	1.899306	2.58245	0.548928	0.959836	2.228349	1.23867	0.7337	0.213061
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
11.510276	1479.79433	963.889638	249.532728	498.426326	63.01369	187.380067	914.721817	414.969845	104.711258	19.478377
893.625007	94905.3143	64573.1083	16365.3397	32624.6703	3826.95762	12386.8219	61268.7863	28030.661	6564.83878	1308.1153
0.04	13.91	13.27	7.54	9.93	2.58	2.96	1.18	1.54	2.66	1.14
-50.555152	-16875.335	-23464.72	-7537.981	-9476.3259	-2294.0975	-5605.8526	-16679.708	-7104.7406	-4257.0004	-275.41471
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0.17	13.66	5.93	1.48	4.94	0.28	1.11	9.16	4.07	0.63	0.19
71.6385	10914.1309	8778.6136	3366.9008	4212.9036	869.7201	1718.3678	5639.1832	2561.4071	1296.2405	338.0504
0.02	0.84	0.68	0.33	0.54	0.08	0.09	0.55	0.12	0.14	0.1

10.2788	440.3448	356.4696	172.9926	283.0788	41.9376	47.1798	288.321	62.9064	73.3908	52.422
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
812.648111	106602.285	94665.9515	40130.021	56740.0864	10993.2384	19477.7696	53553.3867	26676.9861	15404.6399	4336.79908
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
10.2788	440.3448	356.4696	172.9926	283.0788	41.9376	47.1798	288.321	62.9064	73.3908	52.422
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
119.364	19905.6	17028.8	7122.4	10329.8	2151.8	3532.2	9448.2	4657.4	2934.8	835.2
	0.7	0.74	0.53							0.11
11.035197	10.778126	10.823918	10.973696	11.003404	11.189541	11.233474	11.139467	11.157201	11.196956	11.11111
0.607734	0.812436	0.748633	0.64982	0.578747	0.518745	0.497949	0.537451	0.531496	0.517115	0.552109
0.586724	0.786135	0.720176	0.624798	0.279813	0.501721	0.479565	0.519182	0.514008	0.499106	0.534852
1002620.49	1329371.19	1086833.6	953584.623	399688.221	836967.156	768089.78	995193.163	870918.394	818415.641	830104.953
3250.95691	4295.6834	3662.70944	3645.17058	1695.81072	3684.94303	3202.99582	3290.8894	3071.13006	3572.17135	3551.30698
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
0.035127	0.033086	0.040028	0.037898	0.037525	0.034081	0.037663	0.034976	0.034255	0.035825	0.031862
279976.95	365775.619	302659.897	284204.997	136024.273	243481.702	219509.412	271436.172	238633.26	247191.454	257879.979
419577.226	567815.764	469167.567	440086.596	210773.667	376674.965	341667.596	423227.512	372622.693	382881.302	399404.063
3.4217	3.488599	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886
538031.704	709092.615	586736.476	550959.807	263696.655	472013.628	425540.946	526206.163	462614.438	479205.353	499926.128
41983.53	42072.33	37508.01	40154.25	21417.45	42029.04	39309.54	45417.87	40306.32	42809.37	42125.61
107.100841	107.327372	106.556846	107.078	53.543625	107.216938	106.819402	107.117617	107.197659	107.023425	107.46329
43512	43512	39072	41736	44400	43512	40848	47064	41736	44400	43512
111	111	111	111.296	111	111	111	111	111	111	111
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
40.033703	39.848623	40.042125	40.557966	41.651544	41.440583	41.57739	41.20775	41.232891	41.528112	41.094121
39.640597	39.51768	39.677848	40.205934	40.306575	40.957614	41.100675	40.768232	40.827532	40.979676	40.682936
1014620.82	1351578.88	1118823.73	1049400.4	513179.711	900002.524	813511.154	1006151.33	884308.953	915548.934	953108.803
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920574.783	1831719.44	1413211.47	1094767.4	507809.891	686117.494	633096.717	905316.435	757898.615	704425.005	787062.208
378.23	379.03	337.91	361.75	192.95	378.64	354.14	409.17	363.12	385.67	379.51
2984.04796	13213.3466	23096.8509	87528.8557	98635.6707	53636.7878	36730.2141	1155.34352	5507.87936	86218.8137	113908.449
3273.83146	18388.6968	33031.9724	110106.279	130021.465	61064.938	40674.6215	1189.67227	5788.17234	100192.938	127527.696

7.024379	9.073401	13.833958	23.396411	38.397168	25.658365	25.955033	5.636649	11.157907	31.586686	32.97887
79.49539	339.805301	596.091681	2261.82204	2548.38014	1386.32717	939.334279	29.375353	139.907293	2227.2843	2948.85415
31.418905	45.464249	39.77946	32.598685	30.087986	25.891637	26.794136	28.814442	29.15224	25.474056	28.544599
31.413152	45.459556	39.772092	32.549637	29.962456	25.844984	26.731022	28.812035	29.141765	25.390611	28.440653
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
65.126474	87.261056	79.939636	69.537605	31.059335	55.691102	53.231788	57.629264	57.054994	55.40078	59.368637
-240389.99	288949.648	136187.416	-103186.95	-76469.708	-341152.92	-295152.01	-242714.58	-251143.94	-340330.9	-300840.46
-240389.99	288949.648	136187.416	-103186.95	-76469.708	-341152.92	-295152.01	-242714.58	-251143.94	-340330.9	-300840.46
25450.0826	33866.5287	27542.6603	23814.78	9875.35386	20444.5848	18649.9637	24405.4326	21312.7707	19933.0277	20323.6519
1002620.49	1329371.19	1086833.6	953584.623	399688.221	836967.156	768089.78	995193.163	870918.394	818415.641	830104.953
0.41	13.22	13.17	17.94	13.04	3.29	2.35	0.06	0.22	4.84	5.72
94046.0336	-480140.56	-294387.74	-45366.998	5369.82049	213885.03	180414.437	100834.891	126410.338	211123.93	166046.594
90772.2021	-498529.26	-327419.72	-155473.28	-124651.64	152820.092	139739.816	99645.2192	120622.166	110930.992	38518.8982
359.57	307.91	267.02	262.25	115.75	322.12	308.19	379.13	336.84	318.18	289.27
				0.5						
113264.138	114239.352	97127.5369	91604.4069	41251.1631	83652.5836	82360.2911	118893.985	99650.6056	85978.4075	86374.4864
0.91	0.89	0.88	0.82	1.47	0.93	0.86	0.97	0.78	1.08	0.9
9016.28	8994.34	8893.28	8286.92	14855.82	9398.58	8691.16	9802.82	7882.68	10914.48	9095.4
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
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957608.93	1276908.38	1055904.04	991046.403	474470.322	848688.593	767208.542	949433.675	835237.131	862086.655	899330.191
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
9016.28	8994.34	8893.28	8286.92	14855.82	9398.58	8691.16	9802.82	7882.68	10914.48	9095.4
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
47995.6066	65676.1613	54026.4038	50067.0758	23853.5693	41915.351	37611.4522	46914.8314	41189.1418	42547.799	44683.2115
6.24	14.27	17.9	59.53	37.34	37.86	26.77	1.87	7.67	44.94	72.87

0.034642	0.03579	0.030056	0.019893	0.0348	0.031479	0.033586	0.029976	0.030691	0.02945	0.03426

1135.26	1133.91	1024.26	1105.56	1158.24	1138.98	1066.92	1233.87	1093.38	1164.66	1135.71
2.896071	2.892627	2.909829	2.94816	2.8956	2.905561	2.899239	2.91007	2.907925	2.91165	2.897219
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

11.469915	11.259959	11.30309	11.450332	11.493052	11.680337	11.68495	11.622156	11.549535	11.746372	11.503549
0.74687	0.859783	0.817955	0.75502	0.720166	0.628927	0.634322	0.650595	0.693886	0.618665	0.704849
0.599375	0.825338	0.775879	0.722243	0.685898	0.340905	0.607287	0.622005	0.662737	0.475292	0.67484
309562.875	429179.323	363853.179	364914.332	370917.183	183343.694	307981.296	362290.836	339693.412	261595.391	358521.396
997.944239	1388.70697	1228.23267	1405.18571	1604.43874	810.82132	1289.34585	1203.95595	1205.84274	1180.70212	1546.7495
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
0.04329	0.040255	0.053181	0.044361	0.048075	0.050841	0.042445	0.044316	0.04343	0.046075	0.043316
114347.412	155331.676	131721.327	132324.71	134522.486	66435.8471	111536.683	131074.06	122826.153	94822.7517	130021.51
171456.859	241002.271	204345.942	204826.764	208262.896	103114.593	173334.564	203999.407	191252.132	147118.988	201343.859
2.5991	2.6495	2.6495	2.6495	2.6495	2.649499	2.6495	2.6495	2.6495	2.6495	2.6495
125679.24	170787.178	144827.599	145491.018	147907.474	73046.2139	122634.582	144115.929	135047.355	104257.616	142958.65
13517.05	16177.46	14331.04	15450.76	16373.11	9117.72	15152.34	17424.03	15425.39	13174.34	16125.86
34.48227	41.26903	40.713181	41.202026	40.932775	23.259489	41.174836	41.09441	41.024973	32.93585	41.137397
16856	16856	15136	16168	17200	16856	15824	18232	16168	17200	16856
43	43	43	43.114666	43	43	43	43	43	43	43
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
32.100519	31.50677	31.75226	32.205194	32.270854	33.804977	32.753928	32.643162	32.389853	33.812999	32.32089
31.042739	31.080934	31.192747	31.593495	31.699921	32.193849	32.198802	32.025507	31.830901	32.363197	31.725128
318972.488	434277.283	369750.819	371211.812	377064.723	191690.354	312979.296	368738.256	345141.232	271941.251	364568.976
349052.523	717434.448	561300.206	464534.404	450859.29	176448.04	303549.576	399574.622	361244.168	249920.031	371491.052
30080.0358	283157.164	191549.387	93322.5923	73794.5675	-15242.314	-9429.7202	30836.3655	16102.9357	-22021.22	6922.07588
349052.523	717434.448	561300.206	464534.404	450859.29	176448.04	303549.576	399574.622	361244.168	249920.031	371491.052
314.35	376.22	333.28	359.32	380.77	212.04	352.38	405.21	358.73	306.38	375.02

35.905287	46.248932	43.047745	33.423421	32.009334	24.192474	27.048122	26.304535	27.655814	26.883504	29.762994
5.744846	12.487211	10.331458	11.029729	27.207933	12.822011	5.950586	7.365269	7.743628	5.91437	9.524158
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
25.773137	35.48954	33.362812	31.139306	29.493625	14.658954	26.113369	26.746226	28.497712	20.437575	29.018137
-29689.356	201965.297	122698.649	24156.4666	3479.66389	-49968.331	-67729.944	-37676.046	-48098.295	-71585.073	-61040.167
-29689.356	201965.297	122698.649	24156.4666	3479.66389	-49968.331	-67729.944	-37676.046	-48098.295	-71585.073	-61040.167

10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
309562.875	429179.323	363853.179	364914.332	370917.183	183343.694	307981.296	362290.836	339693.412	261595.391	358521.396
-30080.036	-283157.16	-191549.39	-93322.592	-73794.568	15242.3139	9429.72021	-30836.366	-16102.936	22021.2202	-6922.0759
-30080.036	-283157.16	-191549.39	-93322.592	-73794.568	15242.3139	9429.72021	-30836.366	-16102.936	22021.2202	-6922.0759
1.47	3	2.67	3.42	29.12	7.46	2.01	3.27	3.28	2.35	2.56
0.160714					0.428571			0.002659	0.1975	
92228.1514	112827.496	95118.5074	90110.4012	85072.6367	44811.72	81396.2003	116410.995	97768.0921	64482.0611	84054.102
1.92	1.02	1.18	1.26	1.23	1.67	1	1.29	1.09	2.07	1.21
9409.6128	5097.96	5897.64	6297.48	6147.54	8346.66	4998	6447.42	5447.82	10345.86	6047.58
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
297136.099	411789.448	349173.541	350317.782	356170.37	176160.806	295969.146	348115.336	326299.487	251376.603	344302.508
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
9409.6128	5097.96	5897.64	6297.48	6147.54	8346.66	4998	6447.42	5447.82	10345.86	6047.58
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
12426.7761	17389.875	14679.6375	14596.55	14746.8125	7182.8875	12012.15	14175.5	13393.925	10218.7875	14218.8875
0.02528	0.027525	0.032272	0.042978	0.021475	0.026887	0.044565	0.0429	0.023111	0.032	0.022525
1146.27	1143.63	1021.92	1079.52	1174.23	1144.38	1054.8	1217.43	1101.93	1161.6	1149.51
2.924158	2.917423	2.903181	2.87872	2.935575	2.919336	2.866304	2.871297	2.930664	2.904	2.932423
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

6.583458	9.155358	5.475971	4.769586	0.98776	2.690887	6.220466	3.378635	1.69661
0.012862	0.023898	0.006135	0.006352	0.001855	0.004613	0.012829	0.005655	0.003922
0.012469	0.022931	0.005994	0.00624	0.001739	0.004581	0.012415	0.005489	0.0037
6279.83884	6720.61784	1252.42708	2053.25271	270.252883	1567.20652	16939.1723	4543.01733	1261.16496
19.289401	21.514551	4.505781	8.541216	1.09854	4.788774	47.650583	13.644298	4.026603

	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
0.025153	0.029119	0.035	0.031289	0.0307	0.02667	0.030584	0.027653	0.030159	0.034287	0.024553
	3426.4	5704.4	1587.1	1753.2	484.9	1200.3	3742.4	1466.4	1051.6	
	16876.7631	30308.9636	8325.2426	9823.44837	2641.00194	7058.53629	22659.964	8971.17632	5885.38177	
	2.379592	3.577373	2.068195	1.944051	0.382645	1.117874	2.615874	1.44703	0.683395	
	1289.35882	1120.71613	252.629532	366.834877	52.334204	256.924968	2772.62296	736.727303	227.706464	
19170.3	19068.4	16986.7	18208.3	19399.5	19128.7	17875.8	20627.7	18220.7	19221.1	19160
48.903826	48.643877	48.25767	48.555466	48.49875	48.797704	48.575543	48.650235	48.459308	48.05275	48.877551
19600	19600	17600	18800	20000	19600	18400	21200	18800	20000	19600
50	50	50	50.133333	50	50	50	50	50	50	50
	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
	35.804534	71.481596	39.296623	32.339489	8.162838	25.599844	66.923543	31.006839	16.576431	
	33.965096	50.758714	29.240048	27.482799	5.409327	15.84549	37.450608	20.409246	9.671407	
	17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
	18701.7417	35757.1427	9309.48218	10872.0345	3027.5608	8427.31154	27220.0167	10623.2961	6819.61056	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	18701.7417	35757.1427	9309.48218	10872.0345	3027.5608	8427.31154	27220.0167	10623.2961	6819.61056	
108.97	209.74	249.61	202.46	171.44	110.02	158.43	343.85	243.38	97.34	135.25
	10765.0633	23771.5717	7111.56252	7830.24566	2380.04306	5500.91077	5922.89074	4449.893	4631.65281	
	11769.3224	27985.4513	7930.80083	8661.97277	2721.00944	6511.32104	7065.951	5182.28467	5319.19608	
	6.705752	12.549092	7.4412	6.052409	1.406532	3.973213	4.671864	3.701836	2.593948	
	152.601336	324.09921	94.697363	98.597508	30.426128	66.291073	66.853789	50.937345	57.75565	
	73.712586	83.939533	71.774194	80.501148	80.170235	89.205284	91.380796	89.952555	81.606596	
	27.683154	44.219773	15.776768	17.700429	1.603404	11.596686	39.265866	20.660667	5.712461	
	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
	0.623469	1.14659	0.300533	0.312	0.086989	0.229076	0.620754	0.274468	0.185	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	91.798663	79.500789	18.002636	26.202491	3.673871	18.008926	196.34621	52.262654	16.244349	
	6279.83884	6720.61784	1252.42708	2053.25271	270.252883	1567.20652	16939.1723	4543.01733	1261.16496	
	2.86	4.52	1.5	1.99	0.48	1.08	1.73	1.17	1.01	
	-1656.8396	-5264.9531	-945.49258	-988.53609	-377.26486	-1359.1942	-4357.9537	-1630.3858	-926.79279	
	-13426.162	-33250.404	-8876.2934	-9650.5089	-3098.2743	-7870.5153	-11423.905	-6812.6704	-6245.9889	
	0.83	0.78	0.14	0.26	0.05	0.24	1.87	0.37	0.04	
	1992.7777	3430.1525	830.5477	772.8537	245.3913	764.7235	2797.2978	994.9372	600.9445	

0.29	0.22	0.06	0.1	0.01		0.25	0.02		
165.851	157.486	34.314	57.19	5.719		174.643	11.438		
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
16876.7631	30308.9636	8325.2426	9823.44837	2641.00194	7058.53629	22659.964	8971.17632	5885.38177	
244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
165.851	157.486	34.314	57.19	5.719		174.643	11.438		
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
2.288	25.74	4.433	2.86	3.575	9.581	27.456	10.296	7.436	
0.01	0.14	0.1							

0.021301	0.025994	0.022187	0.025531	0.01915	0.029387	0.030978	0.039787	0.036303	0.030275	0.025586

1534.6	1527.24	1376.76	1465.6	1569.36	1521.92	1426.4	1628.52	1449.4	1551.56	1527.88
3.914795	3.89602	3.91125	3.908266	3.9234	3.882448	3.876086	3.840849	3.854787	3.8789	3.897653
1568	1568	1408	1504	1600	1568	1472	1696	1504	1600	1568
4	4	4	4.010666	4	4	4	4	4	4	4

10.446017	10.222991	10.253534	10.39407	10.417359	10.634843	10.666253	10.548616	10.552217	10.664256	10.468202
0.528564	0.714191	0.677345	0.559579	0.508756	0.374977	0.364215	0.412515	0.409975	0.384431	0.454522
0.501382	0.67548	0.642199	0.528151	0.475295	0.267824	0.346444	0.389631	0.384609	0.366739	0.431795
413720.715	558349.661	478806.911	424347.593	408998.375	230569.918	282064.845	362521.878	317381.499	322620.151	366759.978
1338.71563	1807.93109	1615.0501	1626.48389	1768.56772	1018.02324	1161.95837	1180.58025	1108.28309	1422.57717	1575.14594
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
0.051913	0.057321	0.053806	0.059521	0.06625	0.066096	0.050869	0.056179	0.066409	0.047325	0.051096
118412.365	156498.058	134221.574	119157.853	114843.785	64759.4773	79052.133	101336.061	88655.4554	90680.5597	103032.949
177558.595	243060.027	208435.837	184458.079	178047.958	100359.905	123097.83	158599.162	138976.683	140477.631	159488.438
3.4341	3.5012	3.5012	3.5012	3.5012	3.5012	3.501199	3.5012	3.5012	3.5012	3.5012
229021.354	305359.011	261893.135	232500.803	224083.194	126358.692	154246.522	197726.922	172984.525	176935.908	201037.89
21778.69	21654.458	19517.316	20722.132	21833.188	16347.642	20467.808	23450.548	20570.358	22330.702	21797.442

55.557882	55.240964	55.44692	55.259018	54.582969	41.703168	55.619043	55.307896	54.708398	55.826754	55.605719
22971.2	22971.2	20627.2	22033.6	23440	22971.2	21564.8	24846.4	22033.6	23440	22971.2
58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
40.342632	39.867786	39.231929	40.554638	40.825035	46.686621	42.681778	42.13986	42.64581	42.181273	41.119992
36.492287	36.429669	36.536548	37.035284	37.11235	37.875442	37.975656	37.556049	37.565038	37.973458	37.289801
447068.16	593044.354	504657.859	455699.871	442595.455	274874.763	311378.179	399937.724	352306.229	350353.5	399981.754
435368.798	853409.644	684611.479	513857.113	475378.484	210381.623	263046.755	391268.551	320465.944	298733.056	358328.582
-11699.362	260365.29	179953.621	58157.2411	32783.0293	-64493.14	-48331.423	-8669.1724	-31840.286	-51620.443	-41653.172
435368.798	853409.644	684611.479	513857.113	475378.484	210381.623	263046.755	391268.551	320465.944	298733.056	358328.582
371.65	369.53	333.06	353.62	371.36	278.97	349.28	400.18	351.03	381.07	371.97
			59.025408	262.962787	86.119325	60.945387		3.274626	295.062167	114.42131
			65.169619	320.149107	87.196183	62.689909		2.989763	334.579281	118.214158
			1.374195	3.343059	1.949817	1.153805		0.079178	2.874663	1.863787
			1.487942	6.954757	2.132531	1.539887		0.079178	7.941478	2.969949
31.979383	47.554803	43.020464	36.513313	31.848283	28.863817	28.034237	29.247621	30.522181	26.770004	30.456698
30.06062	45.177063	38.718418	31.696981	31.847152	24.23954	24.386515	25.44543	27.44937	24.050715	27.990033
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
29.38103	39.583158	37.632897	31.032234	27.85229	15.694515	20.301625	22.832377	22.53809	21.490915	25.303219
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11517.364	15516.598	13246.78	11635.6001	11133.9612	6150.11747	7469.45811	9680.928	8474.24282	8588.42452	9915.89205
413720.715	558349.661	478806.911	424347.593	408998.375	230569.918	282064.845	362521.878	317381.499	322620.151	366759.978
			0.03	0.13	0.01				0.03	0.01
11699.3618	-260365.29	-179953.62	-58157.241	-32783.029	64493.1401	48331.4233	8669.17244	31840.2856	51620.4431	41653.1715
11699.3618	-260365.29	-179953.62	-58222.411	-33103.178	64405.9439	48268.7334	8669.17244	31837.2959	51285.8638	41534.9573
23.42	19	21.35	20.11	183.65	15.81	22.16	22.86	19.63	23.08	19.42
				0.0025	0.242346					
103425.521	102042.944	90446.2475	83173.7326	77918.8206	55576.5336	76276.8921	108049.79	88656.5359	79842.1641	78638.9687
1.5	1.53	1.14	1.38	1.47	1.95	1.29	1.65	1.54	1.21	1.46
33347.445	34694.6931	25850.9478	31293.2526	33334.1169	44218.7265	29252.3883	37415.8455	34921.4558	27438.2867	33107.3542
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
406579.95	548419.039	470328.972	416958.882	402131.152	226718.597	277344.352	356326.084	311961.207	317413.539	360526.328
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862

33347.445	34694.6931	25850.9478	31293.2526	33334.1169	44218.7265	29252.3883	37415.8455	34921.4558	27438.2867	33107.3542
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
7140.76568	9930.62272	8477.9392	7447.73632	7130.18624	3937.44	4781.43872	6195.79392	5423.56608	5501.67424	6348.07168
			0.14	0.77	0.17	0.11		0.02	0.22	0.19
	4.05	7.35	4.2	2.85	0.75	2.4	5.85	2.4	1.5	
	0.006953	0.018035	0.003656	0.002581	0.001644	0.003946	0.010993	0.004366	0.003161	
	0.006785	0.017471	0.003617	0.00255	0.001581	0.003831	0.010754	0.004228	0.00295	
	693.039154	864.589799	113.923376	164.021065	53.394623	330.504535	3298.05489	759.459659	148.676476	
	2.110389	2.749763	0.392709	0.672824	0.225372	0.996771	9.164262	2.264753	0.448658	
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
0.022142	0.021607	0.026732	0.030664	0.034025	0.032729	0.021222	0.031344	0.033191	0.035625	0.034795
	558.6	1291.5	285.6	214.2	130.2	296.1	957.6	333.9	247.8	
	2637.94071	6718.77954	1486.01894	1212.22704	695.633875	1736.56314	5800.45717	2057.94912	1381.04015	
	1.343644	2.655915	1.496833	1.101351	0.264163	0.936236	2.318137	0.973886	0.563819	
	150.29101	148.66583	20.10477	27.814228	10.5	54.6	528.636233	121.317971	26.8409	
5366.48	5369.42	4796.26	5102.58	5409.46	5308.38	5042.66	5749.94	5089.28	5400.5	5297.04
13.69	13.6975	13.625738	13.60688	13.52365	13.541785	13.70288	13.561179	13.535319	13.50125	13.512857
5488	5488	4928	5264	5600	5488	5152	5936	5264	5600	5488
14	14	14	14.037333	14	14	14	14	14	14	14
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
	21.25674	40.815587	22.452498	17.103606	3.999945	14.106047	36.231294	14.608298	8.544799	
	21.25674	40.815587	22.452498	17.103606	3.999945	14.106047	36.231294	14.608298	8.544799	
	2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
	2921.61654	7876.32929	1655.18512	1360.70065	795.353714	2069.9858	6867.81364	2419.47716	1567.67083	
	147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675	
	2921.61654	7876.32929	1655.18512	1360.70065	795.353714	2069.9858	6867.81364	2419.47716	1567.67083	
58.93	104.38	135.44	118.99	88.52	62.83	86.95	175.64	116.97	74.29	76.9
	2081.40155	5990.68974	1372.09556	1079.70598	652.739251	1416.5586	2649.40228	1298.48946	1253.36368	
	2161.40479	6891.75331	1530.28506	1194.94643	733.914982	1660.46439	3067.21217	1544.8047	1392.73553	
	3.102528	6.452081	3.820337	2.205718	0.7	2.24	3.90948	2.033198	1.371934	
	27.220599	76.188944	17.699681	12.425718	7.98	16.1	28.597584	14.172135	14.730606	
	76.716495	90.329745	85.74837	89.243575	82.257126	99.884732	96.663214	96.382096	84.661162	
	10.497679	18.969246	5.144902	5.354614	0.822571	4.994236	31.177362	9.638209	5.079669	
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	

0.095	0.244602	0.050773	0.0357	0.022142	0.053641	0.150566	0.059202	0.0413
147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675
147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675
10.0194	9.911055	1.340318	1.854281	0.7	3.64	35.242415	8.087864	1.789393
693.039154	864.589799	113.923376	164.021065	53.394623	330.504535	3298.05489	759.459659	148.676476
1.99	4	0.97	0.7	0.34	0.64	1.31	0.54	0.72
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0.51	0.33	0.05	0.12	0.02	0.1	1.36	0.34	0.06
849.3481	1846.8677	369.3179	242.4403	145.8366	417.3722	1588.1504	509.9278	318.2127
0.13	0.13		0.03	0.01	0.01	0.14		0.02
136.5	136.5		31.5	10.5	10.5	147		21
2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015
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2637.94071	6718.77954	1486.01894	1212.22704	695.633875	1736.56314	5800.45717	2057.94912	1381.04015
37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52
136.5	136.5		31.5	10.5	10.5	147		21
2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015
		0.05	0.01					

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0.345495	0.4745	0.446296	0.378956	0.305277	0.268865	0.285259	0.311917	0.310793	0.284771	0.321022
0.327735	0.457995	0.428123	0.363943	0.248802	0.236182	0.274827	0.300211	0.298728	0.267745	0.310278
1726797.7	2418778.37	2001652	1760578.24	1214445.72	1255031.37	1372420.45	1801511.89	1561326.44	1410605.86	1556694.44
5590.23087	7808.55237	6741.44484	6739.68497	5215.41414	5531.01372	5701.75148	5909.45273	5488.51286	6202.9891	6678.46077
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
0.029988	0.03236	0.036185	0.035454	0.034886	0.034554	0.034955	0.035885	0.03601	0.035118	0.031347
512851.449	700339.438	591638.125	544268.849	397087.583	377318.907	414921.606	517445.553	456301.974	436758.454	491721.113
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892732.299	1185238.8	993457.211	928951.629	635687.323	671418.534	702422.05	868049.015	770646.318	760398.877	843922.668
108.41529	15377.8326	10348.2585	2623.08308	5089.32667	656.360152	2076.45783	11917.024	4766.64625	1240.82271	183.466837
136497.5	138854.753	123841.921	132524.572	119609.498	126349.237	130123.418	149799.823	132571.533	138022.217	139046.957
348.207908	354.221308	351.823639	353.398858	299.023745	322.319482	353.596244	353.301469	352.583864	345.055542	354.711625
143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2

367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
118.609349	218.561221	277.603787	216.700327	212.241464	153.335601	176.922488	260.674121	189.318006	164.85669	128.007717
37.038368	37.737878	38.122448	37.859637	37.285623	39.059716	38.467697	38.717021	38.180357	38.750183	37.677775
1781603.76	2525668.09	2142631.09	1933587.5	1411320.08	1383111.05	1469740.96	1866926.73	1624204.57	1563551.37	1722883.95
1705988.95	3568010.46	2838272.57	2139086.98	1523109.69	1092251.15	1238853.35	1810217.05	1491153.53	1284135.2	1522381.68
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1345.64	1688.32	1618.09	1590.64	1404.83	1138.13	1417.63	1979.74	1614.86	1318.79	1461.41
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32.767356	52.10444	52.870408	40.852675	39.410203	29.460294	33.124739	46.032107	38.733482	30.25868	30.306313
32.764624	51.911441	52.78481	40.759918	39.362522	29.433926	33.080528	45.871302	38.712647	30.193258	30.2444
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
120.311714	168.130183	157.164267	133.95976	91.3354	86.702632	100.889336	110.207537	109.663138	98.28927	113.903056
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0.45	31.98	34.96	27.98	25.79	6.7	7.03	4.28	3.47	9.26	6.87
75614.8045	-1042342.4	-695641.48	-205499.47	-111789.61	290859.902	230887.611	56709.68	133051.034	279416.169	200502.275
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384.63	344.91	298.08	287.45	333.84	345.74	333.81	417.65	364.53	344.34	311.44
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4.35	4.7	4.23	3.85	4.84	4.65	3.25	4.85	3.55	4.52	3.67
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
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47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
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67682.5124	112904.547	94238.5205	79238.1952	56063.228	55191.0535	57946.8219	76761.7813	64674.3288	61210.4968	66085.3707
6.24	14.98	18.83	60.31	38.11	38.03	26.88	1.87	7.69	45.16	73.17
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
4446.29536	3763.45508	3104.43429	2571.38745	3563.31516	3115.59444	3096.72448	5407.35836	4461.31407	3075.21748	2750.41106
-120850.67	-121402.68	-104703.3	-97922.145	-92791.945	-89223.394	-88276.287	-126813.67	-106138.36	-92023.598	-91512.59
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
384.84	342.99	296.97	286.08	335.35	346.3	333.3	417.69	364.47	344.81	310.83
250.426929	224.650518	225.497805	189.684602	186.155687	182.600096	216.975413	269.038066	251.615026	220.726413	175.107688
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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
5210797.28	7095068.85	5567558.65	4222582.22	3983140.18	3104105.32	3288772.41	5687542.56	4549373.32	3203269.17	3362443.61
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
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1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
4446.29536	3763.45508	3104.43429	2571.38745	3563.31516	3115.59444	3096.72448	5407.35836	4461.31407	3075.21748	2750.41106
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120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
384.84	342.99	296.97	286.08	335.35	346.3	333.3	417.69	364.47	344.81	310.83
250.426929	224.650518	225.497805	189.684602	186.155687	182.600096	216.975413	269.038066	251.615026	220.726413	175.107688
129.991076	87.453668	94.549188	86.163436	90.3316	93.043209	93.602157	144.33331	130.821814	97.751297	86.936548

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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
5210797.28	7095068.85	5567558.65	4222582.22	3983140.18	3104105.32	3288772.41	5687542.56	4549373.32	3203269.17	3362443.61
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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
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1339.29968	1456.21543	1395.68743	1690.22658	2210.97483	2015.16157	1493.99491	1082.87542	995.595079	1655.37757	1757.43304
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
242733.349	414674.14	328650.965	282071.199	310630.521	220412.294	176040.275	176092.62	150449.632	179647.956	216785.789
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
19.691074	21.916308	21.193169	21.038998	23.020727	21.024145	17.197352	13.566339	13.304838	16.856109	18.749748
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7698.63732	8117.22302	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
410130.142	448952.761	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
168495.269	60106.0422	84483.5912	154856.211	199324.626	236000.035	174439.009	142460.231	126595.434	193748.587	190251.751
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120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142

411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
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411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
387728.976	422683.785	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
1266.22725	1371.02548	1313.46574	1591.17652	2078.94062	1896.19503	1409.1281	1017.90808	936.141768	1559.29449	1655.53525
8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
272810.807	465975.513	369237.022	316962.806	348759.538	247576.157	198141.895	197713.034	168925.079	202014.631	243736.404
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387728.976	422683.785	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
115964.305	-18956.835	19565.973	94342.2719	130792.633	181899.31	132387.521	101755.816	91591.203	149678.993	139652.888
115964.305	-18956.835	19565.973	94342.2719	130792.633	181899.31	132387.521	101755.816	91591.203	149678.993	139652.888
0.68	0.13	0.13	0.26	2.26	1.53	0.28	0.2	0.31	1.24	0.52
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
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388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
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272810.807	465975.513	369237.022	316962.806	348759.538	247576.157	198141.895	197713.034	168925.079	202014.631	243736.404
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177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
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3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
108606.308	176626.455	151642.314	132359.042	145163.531	86032.4859	105432.51	133210.995	110531.612	83940.2623	73850.2607
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
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177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
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120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	84239.9321
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
108606.308	176626.455	151642.314	132359.042	145163.531	86032.4859	105432.51	133210.995	110531.612	83940.2623	73850.2607
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177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
348516.706	415740.204	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
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3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
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3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
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233146.358	217356.209	140692.185	239298.031	289845.427	241003.903	239934.111	214036.932	194880.219	247971.705	281575.92

233146.358	217356.209	140692.185	239298.031	289845.427	241003.903	239934.111	214036.932	194880.219	247971.705	281575.92
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3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
116643.783	221882.829	122755.114	143114.909	159724.925	96916.1535	98172.7412	97075.8585	87518.2949	98533.8664	126910.465
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349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
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0.029988	0.03236	0.036185	0.035454	0.034886	0.034554	0.034955	0.035885	0.03601	0.035118	0.031347
512851.449	700339.438	591638.125	544268.849	397087.583	377318.907	414921.606	517445.553	456301.974	436758.454	491721.113
769405.328	1177995.05	1013643.04	879312.721	664860.283	594479.337	666372.858	867839.888	740557.619	693148.982	764573.159
3.241037	3.358848	3.379294	3.316215	3.264238	3.354598	3.289284	3.335274	3.294363	3.32606	3.272193
892732.299	1185238.8	993457.211	928951.629	635687.323	671418.534	702422.05	868049.015	770646.318	760398.877	843922.668
108.41529	15377.8326	10348.2585	2623.08308	5089.32667	656.360152	2076.45783	11917.024	4766.64625	1240.82271	183.466837
136497.5	138854.753	123841.921	132524.572	119609.498	126349.237	130123.418	149799.823	132571.533	138022.217	139046.957
348.207908	354.221308	351.823639	353.398858	299.023745	322.319482	353.596244	353.301469	352.583864	345.055542	354.711625
143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2
367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
118.609349	218.561221	277.603787	216.700327	212.241464	153.335601	176.922488	260.674121	189.318006	164.85669	128.007717
37.038368	37.737878	38.122448	37.859637	37.285623	39.059716	38.467697	38.717021	38.180357	38.750183	37.677775
1781603.76	2525668.09	2142631.09	1933587.5	1411320.08	1383111.05	1469740.96	1866926.73	1624204.57	1563551.37	1722883.95
1705988.95	3568010.46	2838272.57	2139086.98	1523109.69	1092251.15	1238853.35	1810217.05	1491153.53	1284135.2	1522381.68
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
-75614.805	1042342.37	695641.475	205499.471	111789.612	-290859.9	-230887.61	-56709.68	-133051.03	-279416.17	-200502.27
2446783.2	4847169.39	3810557.99	3013594.93	2487388.21	1743188.24	1816640.77	2414309.56	2008578.15	1848271.92	2183664.6
1345.64	1688.32	1618.09	1590.64	1404.83	1138.13	1417.63	1979.74	1614.86	1318.79	1461.41
3032.71386	58102.7267	100337.225	127131.613	142536.88	66115.7078	54378.9564	11748.7579	14626.168	104246.884	117939.176
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167

384.84	342.99	296.97	286.08	335.35	346.3	333.3	417.69	364.47	344.81	310.83
250.426929	224.650518	225.497805	189.684602	186.155687	182.600096	216.975413	269.038066	251.615026	220.726413	175.107688
14.443452	7.287805	7.879099	7.180286	7.527633	7.7536	7.800179	12.027775	10.901817	8.145941	9.659616
50,245.76	31,217.47	29,036.39	25,952.09	30,764.56	32,511.71	31,481.43	60,386.85	47,853.02	34,035.07	27,377.48
3325.88313	68419.6116	125668.259	155512.353	180087.457	75666.7716	61764.3475	13884.4858	16609.5089	121688.927	131765.463
0.836092	3.897361	6.158014	5.98327	7.193962	3.766632	4.058989	1.951206	2.120406	4.772872	4.914582
80.17	1,030.39	1,735.37	2,838.41	3,200.91	1,579.03	1,189.11	154.92	255.87	2,496.48	3,015.87
32.686241	52.100695	52.881052	40.784952	38.917802	29.423142	32.919314	45.889119	38.665072	30.228363	30.311593
32.683552	51.907868	52.795467	40.692248	38.871828	29.398171	32.875392	45.728386	38.644333	30.166176	30.250356
-50108.919	-28930.174	-27301.019	-23113.68	-27563.653	-30932.674	-30292.327	-60231.928	-47597.156	-31538.593	-24361.61
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-8984368.7	-9800488.9	-8370165	-8300224.9	-8334663.3	-7920766.1	-7651890.8	-9575719.9	-8266933.7	-8039416.7	-8144867.6
-74.373539	-80.73356	-79.94919	-84.78331	-89.830432	-88.778244	-86.708548	-75.544992	-77.916776	-87.373108	-89.022557
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70604.9075	90185.2136	75666.9151	71970.0508	62027.3803	56711.6873	56794.8548	66426.8217	58285.3418	57988.5249	64135.1146
3050381.03	3892674.12	3242897.88	3183020.04	2876842.67	2642981.05	2586270.53	2952567.94	2569867.16	2643795.43	2885474.76
8716361.2	9446304.57	8072956.34	8020220.96	8133219.66	7724922.46	7437532.48	9312359.4	8031658.69	7813247.16	7888256.15
10093004.9	10560670.9	8883587.05	8541634.93	8785265.25	8364277.08	8138171.33	10936968	9289061.63	8425932.98	8406643.85
0.01461				0.045681	0.060992			0.000241	0.017954	
913242.789	949879.453	820264.448	759066.032	673430.543	631320.42	684144.795	985671.596	820833.325	692636.022	699695.899
4.35	4.7	4.23	3.85	4.84	4.65	3.25	4.85	3.55	4.52	3.67
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
11431151.9	14647658.3	12180723	11313819.8	10822051.5	9663954.38	9468531.59	11990029.4	10275511.9	9887688.64	10328532.2
7207440.29	10339692.2	8312345.35	7181689.1	6426167.8	5355988.34	5424318.58	7330392.68	6143381.2	5491804.93	6020566.14
1662137.63	2363233.85	2007100.25	1808264.35	1300547.61	1265897.87	1368794.91	1735888.9	1511203.94	1453547.86	1608495.83
70741.7492	92472.5075	77402.2853	74808.4651	65228.2921	58290.7195	57983.96	66581.7466	58541.2079	60485.0056	67150.9803
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
7207440.29	10339692.2	8312345.35	7181689.1	6426167.8	5355988.34	5424318.58	7330392.68	6143381.2	5491804.93	6020566.14
67682.5124	112904.547	94238.5205	79238.1952	56063.228	55191.0535	57946.8219	76761.7813	64674.3288	61210.4968	66085.3707
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
23579.5572	26565.4755	22080.4633	24573.5551	28694.1321	24303.2875	20856.684	19853.7506	17307.8679	21169.2976	22500.9823
740794.247	1279158.94	972285.415	874507.956	964278.515	650937.09	577787.422	604092.508	517424.618	564136.716	661282.919
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1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32

2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09
4220048.36	4395883.71									
-4220048.4	-4395883.7									
-4220048.4	-4395883.7									
4220048.36	4395883.71									
4220048.36	4395883.71									
4220048.36	4395883.71									
31.178893	32.548886	49.552139	45.172137	36.702109	34.662184	27.402164	28.612168	31.682139	31.032175	27.302135
20.775813	20.775799	20.680513	20.6805	20.680447	20.6805	20.680565	20.68046	20.680578	20.680486	20.680565
31.053405	32.423401	49.425332	45.045331	36.575314	34.535359	27.275347	28.485349	31.555332	30.905354	27.17533
31.149934	32.519928	49.522876	45.142874	36.672849	34.632916	27.372898	28.582902	31.652876	31.002908	27.272873
30.425966	31.795975	48.791299	44.411302	35.941342	33.901235	26.641263	27.851258	30.921299	30.271248	26.541304
30.7059	32.075904	49.074175	44.694176	36.224191	34.184152	26.924162	28.13416	31.204175	30.554156	26.824177
31.130628	32.500622	49.503367	45.123365	36.653342	34.613405	27.353388	28.563391	31.633367	30.983397	27.253364
31.16924	32.539233	49.542385	45.162383	36.692355	34.652428	27.392409	28.602412	31.672384	31.022419	27.292381

25.16182	25.16182	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057
1.55	1.55	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
30.87	32.24	49.24	44.86	36.39	34.35	27.09	28.3	31.37	30.72	26.99
6.666976	7.463515	7.481638	7.5209	6.777183	6.10838	5.757035	5.771692	5.821444	5.806158	5.790619
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
			0.55576	0.13894	0.55576	0.27788	0.13894	0.13894	0.13894	0.27788
			0.003575	0.000884	0.001595	0.003514	0.003078	0.002657	0.002505	0.000555
			0.00351	0.000884	0.00155	0.003514	0.003078	0.002657	0.002505	0.000555
			1309.48728			120.883984		1555.37334	245.667346	
			4.06174			0.532736		4.672478	0.748142	
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
0.030572	0.025778	0.028316	0.023039	0.030688	0.029453	0.026709	0.025052	0.025122	0.036223	0.036682
			386.2532	108.3732	186.1796	430.714	369.5804	339.0136	294.5528	72.2488
			9913.21051	2781.40439	4778.3101	11054.2995	9485.30214	8700.80347	7559.71449	1854.26959
			1.089002	0.27225	1.089002	0.544501	0.27225	0.27225	0.27225	0.544501
			602.554992	169.062192	290.440176	671.91384	576.545424	528.861216	459.502368	112.708128
8375.85	9294.075	8570.25	7737.525	8549.325	8385.525	8584.425	8423.55	8949.375	8153.55	9016.65
21.755454	21.919988	21.862882	21.981605	21.865281	21.837304	21.899043	21.936328	21.934742	21.684973	21.674639
8640	9540	8820	7920	8820	8640	8820	8640	9180	8460	9360
22.441558	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5	22.5	22.5
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			15.283663	3.797249	15.261717	7.598624	3.797249	3.797249	3.797249	7.766382
			15.283663	3.797249	15.261717	7.598624	3.797249	3.797249	3.797249	7.766382
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			12377.2768	3714.43269	5979.56853	14187.523	11611.0778	14326.8972	12727.7295	2163.7082
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808

			12377.2768	3714.43269	5979.56853	14187.523	11611.0778	14326.8972	12727.7295	2163.7082
	3.52	7.24	14.79	3.92	5.93	10.41	10.54	7.78	7.4	16.93
			9281.77182	2961.85458	5099.94948	11662.2245	10100.6836	7709.91535	7804.50151	1997.84012
			10875.2635	3714.43269	5979.56853	14064.1355	11611.0778	11533.8676	12224.6236	2163.7082
			0.768529	0.2	0.8	0.37726	0.2	0.181285	0.193896	0.4
			24.351484	7.8	13.4	30.681653	26.6	20.303947	20.553038	5.2
			383.923006			379.724946		380.202595	379.724946	
			15.35692			3.797249		3.802025	3.797249	
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			0.078977	0.019948	0.034895	0.079081	0.06927	0.059803	0.056382	0.0125
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808
			3.448515			0.318346		4.096052	0.646961	
			1309.48728			120.883984		1555.37334	245.667346	
			0.41	0.11	0.16	0.38	0.47	0.16	0.1	0.17
			-1786.0177	-752.57811	-879.61906	-2404.4145	-1510.3942	-5061.6085	-4677.5606	-165.86808
			-12661.281	-4467.0108	-6859.1876	-16468.55	-13121.472	-16595.476	-16902.184	-2329.5763
			0.06					0.01		
			418.5212	113.2141	168.181	341.256	335.6982	393.6575	336.7288	66.0094
			0.03		0.01	0.01				0.02
			34.9056		11.6352	11.6352				23.2704
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			10515.7655	2950.46658	5068.75028	11726.2133	10061.8476	9229.66469	8019.21686	1966.97772
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			34.9056		11.6352	11.6352				23.2704
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			40.588	11.388	19.564	45.259999	38.835999	35.623999	30.952	7.592
1.31866	1.03609	7.252629	5.74559	4.14436	3.10827	2.07218	3.01408	4.14436	3.01408	2.35475
0.002201	0.001037	0.089404	0.09172	0.067818	0.056456	0.047184	0.041203	0.063571	0.046661	0.0666
0.002135	0.001014	0.087627	0.089147	0.065484	0.054921	0.044897	0.04052	0.062132	0.045744	0.064447
1228.53463	1838.74438	102101.021	113131.448	49845.3657	16948.7772	15022.143	28027.6115	104292.218	62347.7718	41371.4822
4.273457	5.328328	313.256539	367.447829	173.493806	70.669178	64.641215	97.369406	322.677924	200.299352	154.339646
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98

0.026848	0.027476	0.02352	0.029488	0.030586	0.02763	0.034974	0.034557	0.030343	0.024946	0.031802
447.96764	234.90986	18765.4737	17142.9568	14023.5723	11521.5092	9614.9152	8500.45912	13848.7557	9396.3944	14646.3566
2741.67845	1646.07846	108619.02	163683.141	122386.392	121833.402	90828.0314	70323.2549	108167.111	81202.3505	133337.041
0.841648	0.785466	4.430369	4.097412	2.942989	2.442366	1.603753	2.050474	2.904654	2.218143	1.797477
167.429874	228.097444	14722.7046	10713.6643	5209.38096	1438.90971	1440.73553	3208.24892	11958.888	6800.11502	4169.5349
21674.02	23916.3	22201.24	19813.96	22040.58	21656.62	21940.82	21502.34	22945.96	21263.96	23360.66
56.296155	56.406367	56.635816	56.289659	56.369769	56.397447	55.971479	55.995677	56.240098	56.553085	56.155432
22272	24592	22736	20416	22736	22272	22736	22272	23664	21808	24128
57.84935	58	58	58	58.148337	58	58	58	58	58	58
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
9.368164	8.498305	49.98537	44.925797	32.288945	26.518857	17.441956	22.628006	32.067969	24.228748	19.537086
9.368164	8.498305	49.98537	44.925797	32.288945	26.518857	17.441956	22.628006	32.067969	24.228748	19.537086
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
3444.22205	2042.46112	147105.32	263021.206	195094.511	214459.054	198102.674	144666.667	210062.864	156603.485	241456.629
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
3444.22205	2042.46112	147105.32	263021.206	195094.511	214459.054	198102.674	144666.667	210062.864	156603.485	241456.629
105.21	97.93	216.59	225.25	206.52	168.55	117.59	168.3	211.19	146.79	123.69
2009.71262	56.734081	27251.186	69308.5972	87855.7289	117457.716	86330.3375	51581.1459	19080.4898	29110.3051	107933.297
2155.07523	58.311735	30843.258	101692.759	126215.499	186155.863	170105.759	96892.3151	28168.8558	44210.291	177423.744
5.043489	0.528205	18.923079	17.069774	18.426653	17.782744	10.791568	12.322127	4.780758	4.390831	11.486136
29.78424	0.723263	429.214254	682.587585	935.788447	1070.45328	867.839438	561.865399	200.644198	275.642783	1112.30722
67.998645	81.047842	68.43554	84.043117	85.249501	84.787076	83.142295	73.047528	78.42863	80.324708	80.803381
8.807249	8.915262	52.628767	45.349106	32.389903	23.739114	15.780259	22.629231	34.505421	25.699237	18.56164
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
0.123532	0.05882	5.082397	5.170568	3.807826	3.185468	2.604081	2.350208	3.603676	2.653191	3.737932
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
17.775759	24.216736	1563.08575	1137.45241	553.071552	152.766717	152.960561	340.6146	1269.6558	721.957216	442.672778
1228.53463	1838.74438	102101.021	113131.448	49845.3657	16948.7772	15022.143	28027.6115	104292.218	62347.7718	41371.4822
0.65	0.05	11.3	10.19	10.86	9.91	5.22	5.91	3.66	4.42	9.43
-205.97481	-146.98266	-17753.113	-80581.161	-57393.417	-80052.561	-96750.194	-65057.909	-86690.156	-65145.408	-92151.849
-2361.05	-205.29439	-48596.371	-182273.92	-183608.92	-266208.42	-266855.95	-161950.22	-114859.01	-109355.7	-269575.59
0.16	0.38	15.39	6.13	2.28	0.61	0.37	1.68	8.68	4.78	2.06
226.9138	148.3085	11083.2032	9511.8674	7054.2224	4966.3761	4046.9647	4071.1392	8181.6513	5268.1874	6508.8307
0.04		0.77	0.36	0.24	0.18	0.21	0.15	0.39	0.15	0.2

20.9688		411.7267	192.4956	128.3304	96.2478	112.2891	80.2065	208.5369	80.2065	106.942
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
2741.67845	1646.07846	108619.02	163683.141	122386.392	121833.402	90828.0314	70323.2549	108167.111	81202.3505	133337.041
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
20.9688		411.7267	192.4956	128.3304	96.2478	112.2891	80.2065	208.5369	80.2065	106.942
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
475.6	249.4	20321.46	18564.408	15186.372	12476.844	10412.16	9205.296	14997.06	10175.52	15860.796
		1.05	0.8	0.98	0.44	0.42	0.22	0.03	0.07	0.11
11.104704	11.054933	10.767746	11.082287	11.190071	11.221073	11.356925	11.283009	11.242592	11.266581	11.367957
0.556123	0.604618	0.811705	0.627091	0.567887	0.547754	0.490032	0.517967	0.537662	0.531468	0.486821
0.535124	0.586327	0.786605	0.6071	0.544073	0.525185	0.472709	0.497711	0.519554	0.512286	0.468531
889507.81	1107610.87	1362968.02	959607.726	921759.66	764490.644	777056.524	820125.852	974969.822	883170.124	843601.021
3337.40502	3502.26713	4326.32382	3184.7035	3475.28375	3255.91289	3376.59598	3353.55541	3241.99993	3088.99907	3642.07502
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
0.038281	0.030896	0.032857	0.032755	0.041198	0.041979	0.032959	0.039453	0.03397	0.038882	0.036562
252404.241	302884.159	365931.766	259413.744	261395.253	248058.316	231021.52	236603.203	261408.029	237698.981	243158.449
391012.531	469214.706	583283.923	415661.904	419012.986	397926.689	370079.419	379275.943	419181.351	381187.402	389061.961
3.4886	3.4886	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618
489310.861	587171.231	721544.255	511512.021	515419.161	489121.387	455528.232	466534.195	515444.353	468694.851	479459.83
40992.3	45609.9	42082.32	37792.17	41719.35	40834.68	42077.88	40942.35	43749.54	40113.18	44487.69
106.473506	107.570518	107.352857	107.364119	106.699104	106.340312	107.34153	106.620703	107.229264	106.683989	106.941562
42624	47064	43512	39072	43512	42624	43512	42624	45288	41736	46176
110.711688	111	111	111	111.283887	111	111	111	111	111	111
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
41.158922	40.85922	40.657212	41.761961	42.334697	42.417518	42.882891	42.698483	42.478262	42.586989	42.972041
40.66043	40.484562	40.306704	41.414953	41.798454	41.907065	42.394709	42.131081	41.986431	42.073355	42.437775
934728.272	1118665.71	1381856.65	980637.866	991618.176	940577.391	875063.224	897767.64	990807.912	900722.336	920993.395
807474.053	1022789.14	1877355.75	1420430.02	1182501.78	1094260.48	839396.064	853213.588	1049507.72	949080.955	897749.89
-127254.22	-95876.572	495499.101	439792.149	190883.609	153683.086	-35667.159	-44554.052	58699.8044	48358.6193	-23243.505
807474.053	1022789.14	1877355.75	1420430.02	1182501.78	1094260.48	839396.064	853213.588	1049507.72	949080.955	897749.89
369.3	410.9	379.12	340.47	375.85	367.88	379.08	368.85	394.14	361.38	400.79
34609.1619	1757.32035	8889.86574	14020.7003	59035.116	166397.227	88832.5796	67230.7086	5736.2498	8584.25151	67290.5343
39482.0995	1901.24074	12287.0028	28427.521	109333.431	347015.445	214103.446	129996.449	10070.4439	15546.0303	165496.196

19.836397	4.973233	7.514237	11.487118	17.301996	26.809866	18.813204	17.088614	4.198614	5.316933	15.18603
896.416523	45.474044	223.809617	350.876393	1473.8295	4142.00749	2201.62464	1668.90027	141.899254	212.788241	1671.0214
30.39597	32.482662	46.955413	36.667429	28.186801	23.399313	18.422911	22.057218	25.176007	25.542148	18.737852
30.363786	32.478925	46.951461	36.662911	28.163427	23.338043	18.387107	22.016251	25.173473	25.537913	18.713302
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
59.244561	65.082367	87.313193	67.388181	60.546618	58.295614	52.470795	55.24602	57.670588	56.863781	52.006942
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21912.7395	27549.45	34002.9624	23369.7636	22199.8985	18243.5085	18366.9274	19545.5717	23387.7007	21167.9938	19963.8666
889507.81	1107610.87	1362968.02	959607.726	921759.66	764490.644	777056.524	820125.852	974969.822	883170.124	843601.021
4.27	0.13	8.7	8.49	20.17	29.76	14.85	13.64	3.69	4.51	10.22
127254.218	95876.5722	-495499.1	-439792.15	-190883.61	-153683.09	35667.1591	44554.0525	-58699.804	-48358.619	23243.5052
87772.1186	93975.3314	-507786.1	-468219.67	-300217.04	-500698.53	-178436.29	-85442.396	-68770.248	-63904.65	-142252.69
318.08	395.16	315.3	286.23	297.79	266.16	311.5	305.83	351.32	322.4	337.42
95204.5908	126667.234	116151.883	100164.728	96349.1562	83340.2071	84672.4751	87738.4424	115682.579	100591.334	90766.0956
1.05	0.92	0.97	0.68	1.05	0.94	0.89	1.01	0.98	0.87	0.98
10611.3	9297.52	9998.76	7009.44	10823.4	9689.52	9174.12	10411.08	10101.84	8967.96	10101.84
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
880323.392	1056385.94	1304828.18	927173.925	934432.147	887048.077	825607.651	845810.138	934625.704	849882.252	868521.79
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
10611.3	9297.52	9998.76	7009.44	10823.4	9689.52	9174.12	10411.08	10101.84	8967.96	10101.84
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
43793.5795	52982.2541	67029.7103	46454.5014	46362.6289	43839.7945	40281.4522	41546.422	46080.3686	41872.1235	42369.7647
34.05	3.98	10.79	7.52	21.78	39.55	24.37	23.15	3.75	6.02	15.17
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002788	0.000714	0.001406	0.002992	0.002402	0.002493	0.002553	0.000225
			0.002755	0.000714	0.001406	0.002984	0.002239	0.002279	0.002553	0.000192
			41.779913					100.877987		
			0.13121					0.304176		
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
0.023828	0.027099	0.032755	0.033238	0.019897	0.029583	0.027397	0.032786	0.032132	0.029148	0.031947
			43.65	12.6	24.3	52.65	38.7	41.85	43.2	3.6

			1120.27975	323.379721	623.660892	1351.26527	993.237717	1074.08265	1108.73048	92.394206
			1.087854	0.271963	1.087854	0.543927	0.271963	0.271963	0.271963	0.271963
			66.841245	19.29438	37.21059	80.622944	59.261309	64.084904	66.152159	5.51268
1124.55	1237.53	1137.48	1020.9	1152.6	1117.92	1143.78	1114.23	1184.67	1095.12	1208.13
2.920909	2.918702	2.901734	2.900284	2.947826	2.91125	2.917806	2.90164	2.903602	2.912553	2.904158
1152	1272	1176	1056	1176	1152	1176	1152	1224	1128	1248
2.992207	3	3	3	3.007672	3	3	3	3	3	3
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1371.15109	427.146579	744.846726	1680.93127	1185.76797	1748.82238	1790.87462	108.259459
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			1371.15109	427.146579	744.846726	1680.93127	1185.76797	1748.82238	1790.87462	108.259459
			0.97	0.28	0.54	1.17	0.86	0.93	0.96	0.08
			1145.34108	342.674101	660.871482	1431.88821	1052.49903	1037.28957	1174.88264	97.906886
			1323.25092	427.146579	744.846726	1680.93127	1185.76797	1593.65848	1790.87462	108.259459
			0.119612	0.03	0.12	0.06	0.03	0.029914	0.03	0.03
			2.807584	0.84	1.62	3.51	2.58	2.542716	2.88	0.24
			407.945359					407.945359		
			4.079453					4.079453		
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
			0.008267	0.002148	0.004218	0.008954	0.006718	0.006838	0.007659	0.000576
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			0.102415					0.247283		
			41.779913					100.877987		
			-184.03009	-84.472477	-83.975244	-249.04306	-133.26895	-610.65482	-615.99198	-10.352573
			-1507.281	-511.61906	-828.82197	-1929.9743	-1319.0369	-2204.3133	-2406.8666	-118.61203
			290.6133	82.6487	136.036	257.404	221.5535	301.2606	306.7804	20.7979
			0.46	0.1	0.15	0.27	0.19	0.09	0.08	0.05
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24

			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
11.495786	11.485699	11.252517	11.690959	11.869792	11.938739	12.194628	12.048565	11.988355	12.029468	12.223068
0.719152	0.737643	0.859575	0.690246	0.623423	0.60486	0.530813	0.570815	0.584974	0.577666	0.517167
0.686072	0.599203	0.820258	0.657495	0.595322	0.577161	0.504703	0.54719	0.562039	0.550091	0.490734
356014.09	341635.164	435269.404	322822.483	330147.13	315071.259	287017.59	301206.245	327518.587	296032.82	296588.628
1340.97583	1074.26425	1383.25836	1072.71781	1249.15571	1350.89269	1250.83713	1241.91884	1090.25013	1037.51219	1289.5939
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
0.045494	0.048679	0.044872	0.048721	0.043852	0.048541	0.048086	0.043098	0.03946	0.048297	0.052475
129100.714	123780.229	154340.277	114149.817	116767.628	111363.894	101591.779	106529.201	115841.476	104706.304	105054.032
199907.318	191882.952	245466.292	182792.437	187090.312	178685.939	162836.907	170844.94	185716.766	167885.358	168199.951
2.6495	2.6495	2.706	2.706	2.705999	2.706	2.705999	2.706	2.705999	2.705999	2.705999
141946.235	136096.362	172243.749	127391.196	130312.672	124282.106	113376.426	118886.588	129279.088	116852.235	117240.3
15719.08	14766.63	16099.63	14398.55	16116.83	15710.48	16045.45	15800.35	16851.7	15387.12	16949.31
40.828779	34.826957	41.070484	40.904971	41.219514	40.912708	40.93227	41.146744	41.303186	40.923191	40.743533
16512	18232	16856	15136	16856	16512	16856	16512	17544	16168	17888
42.888311	43	43	43	43.109974	43	43	43	43	43	43
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
32.31859	32.844315	32.203579	33.597207	34.042259	34.219721	35.03834	34.609017	34.385273	34.499854	35.443762
31.703915	31.674174	31.71605	32.878865	33.360632	33.544377	34.24107	33.844915	33.682734	33.796235	34.324896
362111.65	352630.764	441641.854	328379.26	336111.743	320322.158	292829.265	306814.001	333432.221	301436.658	304847.323
384924.124	388339.827	728091.449	556522.114	472335.066	446958.24	338804.952	352367.39	419604.814	366981.921	352885.898
22812.4737	35709.0631	286449.595	228142.854	136223.323	126636.082	45975.6869	45553.3895	86172.5938	65545.2633	48038.5744
384924.124	388339.827	728091.449	556522.114	472335.066	446958.24	338804.952	352367.39	419604.814	366981.921	352885.898
365.56	343.41	374.41	334.85	374.81	365.36	373.15	367.45	391.9	357.84	394.17
33.313425	32.044802	50.832554	48.801	36.301362	32.70248	26.590813	25.065633	22.55512	23.73707	26.446092
10.99343	6.088512	12.708138	12.68826	10.164381	10.137768	6.913611	7.519689	6.089882	9.020086	7.669366
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
29.424493	25.765754	35.271096	28.272301	25.664347	24.817942	21.70227	23.529192	24.167696	23.653936	21.101562
-44668.469	-28990.863	205775.932	168476.745	75188.8836	68426.1748	-7126.3361	-10129.424	25622.2542	10815.2784	-6873.1681
-44668.469	-28990.863	205775.932	168476.745	75188.8836	68426.1748	-7126.3361	-10129.424	25622.2542	10815.2784	-6873.1681

11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
356014.09	341635.164	435269.404	322822.483	330147.13	315071.259	287017.59	301206.245	327518.587	296032.82	296588.628
-22812.474	-35709.063	-286449.59	-228142.85	-136223.32	-126636.08	-45975.687	-45553.389	-86172.594	-65545.263	-48038.574
-22812.474	-35709.063	-286449.59	-228142.85	-136223.32	-126636.08	-45975.687	-45553.389	-86172.594	-65545.263	-48038.574
4.4	2.01	3.15	1.98	3.53	4.03	3.46	2.83	2.5	4.43	3.52
0.002604	0.148584									
93264.8508	103041.772	114008.5	97614.004	95482.7923	82397.4021	82739.583	86966.8425	113908.915	98983.8969	87635.068
1.22	2.2	1.25	1.09	1.17	1.03	1.14	1.1	1.16	1.06	1.62
6097.56	10995.6	6372.45	5556.7764	5964.6132	5250.8988	5811.6744	5607.756	5913.6336	5403.8376	8258.6952
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
341853.552	327979.314	417710.041	310183.634	317402.985	302968.045	276213.332	289731.528	314995.854	284737.593	285440.25
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
6097.56	10995.6	6372.45	5556.7764	5964.6132	5250.8988	5811.6744	5607.756	5913.6336	5403.8376	8258.6952
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
14160.5375	13655.85	17559.3629	12638.8495	12744.1452	12103.2143	10804.2583	11474.7167	12522.7334	11295.2276	11148.3775
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002828	0.000714	0.001407	0.002957	0.002239	0.00274	0.002553	0.000223
			0.002727	0.000714	0.001406	0.002933	0.002239	0.002303	0.002553	0.000216
			36.715082					85.720428		
			0.116766					0.26006		
			2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
0.033385	0.02665	0.025637	0.037301	0.03278	0.022578	0.027015	0.042005	0.045245	0.018856	0.027091
			43.2	12.6	24.3	51.75	38.7	42.3	43.2	4.05
			1108.73048	323.379721	623.660892	1328.16672	993.237717	1085.63192	1108.73048	103.943482
			1.087854	0.271963	1.087854	0.543927	0.271963	0.271963	0.271963	0.271963
			66.15216	19.29438	37.21059	79.244774	59.261309	64.773989	66.152159	6.201765
1113.54	1238.1	1145.85	1016.61	1137.45	1125.99	1144.23	1103.61	1168.62	1106.73	1214.19
2.892311	2.920047	2.923086	2.888096	2.909079	2.932265	2.918954	2.873984	2.864264	2.94343	2.918725
1152	1272	1176	1056	1176	1152	1176	1152	1224	1128	1248
2.992207	3	3	3	3.007672	3	3	3	3	3	3
			2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453

		16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1358.29954	427.146579	744.846726	1656.19292	1185.76797	1769.02601	1790.87462	122.256036
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		1358.29954	427.146579	744.846726	1656.19292	1185.76797	1769.02601	1790.87462	122.256036
		0.96	0.28	0.54	1.15	0.86	0.94	0.96	0.09
		1138.16755	342.674101	660.871482	1407.41149	1052.49903	1064.68548	1174.88264	110.145247
		1316.33483	427.146579	744.846726	1656.19292	1185.76797	1647.0315	1790.87462	122.256036
		0.12	0.03	0.12	0.06	0.03	0.029657	0.03	0.03
		2.79	0.84	1.62	3.45	2.58	2.609872	2.88	0.27
							407.945359		
							4.079453		
		2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
		0.008181	0.002148	0.004218	0.008801	0.006718	0.006911	0.007659	0.000649
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		0.09					0.210127		
		36.715082					85.720428		
		0.06		0.01		0.07	0.01		
		-183.4169	-84.472477	-83.975244	-248.78143	-133.26895	-618.6201	-615.99198	-12.110789
		-1499.7517	-511.61906	-828.82197	-1904.9744	-1319.0369	-2265.6516	-2406.8666	-134.36683
		287.8752	82.6487	136.036	252.8743	221.5535	303.0718	306.7804	23.2469
		0.45	0.1	0.15	0.26	0.19	0.09	0.08	0.06
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
0.14	7.024831	7.346252	5.365343	2.691099	1.561521	2.687083	4.391262	2.968357	2.98223
0.000021	0.013912	0.036675	0.027472	0.02509	0.02999	0.018867	0.029256	0.019569	0.034477
0.00002	0.013627	0.035187	0.026693	0.024671	0.028959	0.01876	0.0287	0.019228	0.033562
	7417.82903	17344.0428	8213.48242	3278.52319	3369.73032	5827.62527	35030.7937	12444.1556	6646.41751
	22.497424	54.992219	28.692431	13.562191	14.877592	19.705341	105.616169	37.11725	22.789728

0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.02694	0.031686	0.027028	0.027926	0.033698	0.028072	0.028188	0.028489	0.027205	0.030146	0.03512
5.6		3759.5	8846.9	7474.8	6821.7	8211.6	5191	8409.1	5183.1	10048.5
37.184295		18312.853	78868.1539	64106.9134	80137.1579	84921.1915	46494.5985	68276.8524	42814.3061	94934.5916
0.0664		2.530044	3.126101	2.310134	1.585681	0.833786	1.228024	1.941307	1.377523	1.562551
		1488.70703	2454.37804	1395.05843	274.744141	324.599743	707.259659	4743.1742	1782.57174	721.009396
18712.9	20471.7	18999.3	17097.4	18930.8	18624.1	19047.2	18715.4	19801.8	18266.1	20000.2
48.604935	48.282311	48.467602	48.572159	48.416368	48.50026	48.589795	48.73802	48.533823	48.580053	48.077403
19200	21200	19600	17600	19600	19200	19600	19200	20400	18800	20800
49.870129	50	50	50	50.127877	50	50	50	50	50	50
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.929607		45.733577	73.6194	53.809587	38.09922	20.456726	30.920918	49.245224	32.116591	40.494147
0.929607		36.067234	44.74293	32.910351	22.641578	11.919557	17.423567	27.69386	19.534518	22.298841
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
38.171107		20518.3888	108748.458	86035.1442	116355.521	139925.821	85243.5813	116951.182	79926.706	137894.889
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
38.171107		20518.3888	108748.458	86035.1442	116355.521	139925.821	85243.5813	116951.182	79926.706	137894.889
111.71	138.33	254.03	327.98	328.63	238.7	216.63	261.28	321.02	212.3	233.52
37.184295		11118.3819	61793.6181	56069.629	77019.7017	81737.5082	40778.5812	33503.1797	30452.4555	88548.1371
38.171107		12295.5257	85635.9234	75628.2665	111806.137	134221.618	75441.8441	52725.8588	51308.2483	129341.413
0.4		7.796111	9.012652	7.063649	4.172481	2.468446	3.639934	3.381692	3.530998	4.73079
0.4		160.899048	445.670171	424.345243	454.324884	544.75846	310.203327	251.570796	235.537653	647.047814
		76.367877	108.611382	115.586637	175.229396	144.968183	102.417532	101.548243	96.133728	116.455629
		34.379042	40.139054	29.801025	12.266057	7.248409	14.338454	30.164478	18.255583	18.609365
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.001038		0.681377	1.759375	1.338107	1.233593	1.447959	0.93802	1.435049	0.961436	1.678125
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
		106.200951	173.629828	98.854756	19.375115	22.841539	49.996672	333.929203	125.962346	51.052185
		7417.82903	17344.0428	8213.48242	3278.52319	3369.73032	5827.62527	35030.7937	12444.1556	6646.41751
0.01		3.06	6.74	6.18	7.29	8.12	4.45	5.44	4.06	10.74
-0.986811		-1982.1779	-29610.797	-21752.033	-36057.296	-54818.583	-38637.375	-48417.208	-37030.095	-42700.335
-39.157919		-14277.704	-115246.72	-97380.299	-147863.43	-189040.2	-114079.22	-101143.07	-88338.343	-172041.75
		0.78	0.96	0.52	0.11	0.13	0.35	2.76	0.76	0.36
2.8454		2319.7896	6047.8642	4628.691	3928.6999	4733.9617	3262.7674	6411.046	3704.5461	5745.9554

		0.32	0.25	0.14	0.09	0.07	0.04	0.19	0.03	0.17
		213.576	183.513	103.198	68.649	56.983	39.484	153.899	22.883	126.081
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
37.184295		18312.853	78868.1539	64106.9134	80137.1579	84921.1915	46494.5985	68276.8524	42814.3061	94934.5916
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
		213.576	183.513	103.198	68.649	56.983	39.484	153.899	22.883	126.081
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
		9.782	85.993999	72.999999	92.417999	129.064	72.124	103.222	59.421999	133.882
		0.08	0.35	0.43		0.02	0.06	0.05	0.05	
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002846	0.000714	0.001423	0.002998	0.002515	0.002549	0.002553	0.00024
			0.002585	0.000714	0.00138	0.002984	0.002057	0.002549	0.002553	0.00024
			49.008523					86.938038		
			0.155863					0.266478		
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
0.031796	0.033537	0.026989	0.024772	0.02454	0.020963	0.033673	0.033567	0.035686	0.027686	0.031298
			54.6	16.8	31.8	70.2	47.4	62.4	57.6	6
			1401.31213	431.172962	816.148822	1801.68702	1216.52372	1601.49958	1478.3073	153.990343
			1.089078	0.272269	1.089078	0.544539	0.272269	0.272269	0.272269	0.272269
			85.27974	26.23992	49.66842	109.64538	74.03406	97.46256	89.96544	9.3714
1487.16	1639.12	1525.68	1373.12	1529.52	1503.8	1515.2	1484.44	1573.76	1462.36	1611.92
3.862753	3.865849	3.89204	3.900909	3.911815	3.916145	3.865306	3.865729	3.857254	3.889255	3.874807
1536	1696	1568	1408	1568	1536	1568	1536	1632	1504	1664
3.98961	4	4	4	4.01023	4	4	4	4	4	4
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			16.336174	4.084043	16.336174	8.168087	4.084043	4.084043	4.084043	4.084043
			16.336174	4.084043	16.336174	8.168087	4.084043	4.084043	4.084043	4.084043
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1715.95263	569.528772	976.803511	2241.2417	1459.60656	2580.27574	2387.83283	179.46806
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			1715.95263	569.528772	976.803511	2241.2417	1459.60656	2580.27574	2387.83283	179.46806
			0.91	0.28	0.53	1.17	0.79	1.04	0.96	0.1
			1437.58335	457.412882	865.817242	1911.3324	1290.55778	1612.0241	1568.27274	163.361743

			1659.99969	569.528772	976.803511	2241.2417	1459.60656	2469.62982	2387.83283	179.46806
			0.16	0.04	0.16	0.08	0.04	0.039869	0.04	0.04
			3.52	1.12	2.12	4.68	3.16	3.947127	3.84	0.4
								497.613848		
								4.976138		
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			0.01034	0.002864	0.00552	0.011938	0.008229	0.010196	0.010212	0.000961
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			0.12					0.212872		
			49.008523					86.938038		
			0.79	0.28	0.53	1.17	0.79	0.99	0.96	0.09
			-229.36076	-112.11589	-110.98627	-329.9093	-169.04878	-881.31361	-819.56009	-16.106316
			-1889.3604	-681.64466	-1087.7898	-2571.151	-1628.6553	-3350.9434	-3207.3929	-195.57438
								0.05		
			272.793	82.6487	133.7727	257.404	205.5361	336.6824	306.7804	25.5448
			0.42	0.1	0.15	0.27	0.17	0.11	0.08	0.07
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
10.486779	10.48224	10.207672	10.563956	10.693832	10.737106	10.93394	10.827531	10.77307	10.806467	10.954798
0.460594	0.514451	0.715875	0.516012	0.439428	0.421908	0.340477	0.374455	0.401818	0.384713	0.328389
0.435773	0.488246	0.673958	0.489096	0.419578	0.399921	0.321949	0.355556	0.380704	0.359565	0.308059
362705.052	445013.483	569245.638	379621.597	366710.48	343757.341	287398.761	307886.198	349194.573	304012.816	292104.833
1359.23734	1404.20955	1807.77064	1261.99117	1381.10608	1472.14935	1250.66157	1263.65662	1155.61707	1060.95444	1263.40243
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
0.05526	0.054033	0.060943	0.054602	0.047729	0.052942	0.056938	0.059401	0.052549	0.071276	0.059735
101812.14	124911.108	156199.952	103845.172	100263.028	93958.3926	78542.3212	84142.2392	95403.2613	83120.3631	79998.8497
157787.406	193522.989	249172.53	166971.289	161493.498	151677.317	126791.766	135813.061	153931.301	133894.194	128635.933
3.5012	3.5012	3.5747	3.5747	3.5747	3.574699	3.574699	3.574699	3.5747	3.574699	3.574699
198655.848	243726.554	310010.045	206101.514	198992.032	186479.222	155882.945	166997.102	189346.853	164968.985	158773.717
21258.908	23503.874	21571.246	19500.908	21874.794	21311.062	21663.248	21165.734	22652.416	20463.12	22921.39

55.217942	55.433665	55.028688	55.400306	55.945764	55.497557	55.263387	55.119098	55.520627	54.423191	55.099495
22502.4	24846.4	22971.2	20627.2	22971.2	22502.4	22971.2	22502.4	23908.8	22033.6	24377.6
58.447792	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
41.723745	41.028582	39.862356	42.541546	43.33996	44.048176	45.879563	46.947602	44.355231	46.266965	46.272341
37.354179	37.336057	37.135026	38.392636	38.855869	39.007957	39.716252	39.335649	39.140229	39.261867	39.796269
397867.282	479027.888	603014.738	406229.399	397975.228	372686.622	320094.447	348256.094	381807.196	341251.343	326522.681
367682.16	471297.12	867966.521	651544.613	549627.666	507994.152	380743.185	395879.197	466987.506	406698.211	382854.634
-30185.121	-7730.7682	264951.783	245315.214	151652.438	135307.529	60648.7382	47623.1029	85180.31	65446.8678	56331.9533
367682.16	471297.12	867966.521	651544.613	549627.666	507994.152	380743.185	395879.197	466987.506	406698.211	382854.634
362.78	401.09	368.11	332.78	373.29	363.67	369.68	361.19	386.56	349.2	391.15
14.011036			8.854005	39.895727	248.676862	83.062494	124.530778			186.15882
13.075606			9.599928	46.474259	518.716784	154.477701	178.465964			379.349581
0.346528			0.14826	0.63626	2.139644	1.131785	1.335827			1.055423
0.346528			0.237593	0.988091	6.43732	2.145052	3.253418			4.984992
31.948147	33.650282	47.840494	38.697973	34.197452	27.483925	20.814233	24.415616	26.071936	27.512323	22.128803
30.668424	29.275745	45.44847	30.955941	31.100983	24.457688	17.483309	21.205815	21.639707	23.110351	17.465072
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
25.470005	28.611216	39.493969	28.661051	24.650189	23.435411	18.866219	20.835598	22.309274	21.070526	18.052298
-83402.327	-73021.804	183306.068	191035.343	99244.9532	86195.4776	19594.6669	3641.95449	35313.0253	21999.854	14516.5546
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9805.60547	12131.156	15481.636	10088.4524	9637.23591	8992.76068	7393.41295	7997.61658	9102.184	7922.518	7504.77101
362705.052	445013.483	569245.638	379621.597	366710.48	343757.341	287398.761	307886.198	349194.573	304012.816	292104.833
				0.02	0.15	0.03	0.02			0.03
30185.1213	7730.7682	-264951.78	-245315.21	-151652.44	-135307.53	-60648.738	-47623.103	-85180.31	-65446.868	-56331.953
30172.0457	7730.7682	-264951.78	-245324.81	-151698.91	-135826.25	-60803.216	-47801.569	-85180.31	-65446.868	-56711.303
22.24	20.88	19.43	16.85	23.21	22.69	19.24	22.64	21.22	21.01	21.91
86909.9537	114455.17	104750.368	91700.35	89598.5475	77638.573	77096.1376	79438.3746	106406.836	89588.9064	81763.8663
1.55	1.5	1.46	1.15	1.35	1.24	1.41	1.74	1.41	1.61	1.48
35148.2185	34014.405	33769.0992	26598.948	31224.852	28680.6048	32612.6232	40245.3648	32612.6232	37238.5272	34231.6896
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
356443.254	437249.543	559182.575	373072.802	360485.53	338156.539	282674.711	302810.163	343278.153	298863.179	287409.65
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756

35148.2185	34014.405	33769.0992	26598.948	31224.852	28680.6048	32612.6232	40245.3648	32612.6232	37238.5272	34231.6896
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
6275.80928	7763.93984	10063.0634	6557.6485	6264.8456	5849.4787	4807.1127	5200.5655	5916.4196	5149.6367	4881.3414
0.04			0.01	0.04	0.18	0.04	0.14			0.03
		4.35	5.7	4.5	2.25	1.2	2.55	4.2	2.85	3
		0.008799	0.030728	0.02342	0.022256	0.029001	0.017076	0.026057	0.016902	0.032711
		0.008698	0.029403	0.022933	0.021562	0.027678	0.016979	0.025245	0.015904	0.032259
		912.783854	3224.16327	1739.68274	388.298643	466.413652	900.034807	5952.35062	1938.21118	1407.53581
		2.781007	10.135948	6.075936	1.58103	2.091642	2.929294	17.795894	5.583982	5.117977
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
0.02914	0.022995	0.016479	0.030823	0.032397	0.041276	0.035	0.028177	0.026544	0.030398	0.024399
		716.1	2173.5	1887.9	1738.8	2278.5	1369.2	2163	1255.8	2818.2
		3266.03426	20478.0079	16602.4006	20708.6901	23706.1198	12503.7381	17882.4552	10296.0312	26975.5279
		1.376269	2.509896	1.906875	1.27608	0.616546	1.124841	1.717028	1.200035	1.490191
		191.469038	414.299549	298.017799	30.426897	44.850747	105.339705	789.980823	302.668326	147.652661
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13.556727	13.678066	13.769285	13.568465	13.581074	13.422135	13.51	13.60552	13.628382	13.574414	13.658413
5376	5936	5488	4928	5488	5376	5488	5376	5712	5264	5824
13.963636	14	14	14	14.035805	14	14	14	14	14	14
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
		21.416602	38.497055	28.650519	19.153202	9.445199	16.92754	26.043969	18.212231	22.549662
		21.416602	38.497055	28.650519	19.153202	9.445199	16.92754	26.043969	18.212231	22.549662
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3662.53708	28168.2061	22067.0006	29837.4023	38549.6987	22958.9489	30636.6368	19625.1204	38370.4498
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		3662.53708	28168.2061	22067.0006	29837.4023	38549.6987	22958.9489	30636.6368	19625.1204	38370.4498
60	81.74	137.78	167.84	167.45	123.18	116.74	145.97	164.14	105.36	140.2
		2468.7504	17400.8447	14894.2178	20341.3915	23281.7062	11624.7033	12003.6046	8389.31999	25662.4921
		2684.37847	23858.4948	19832.42	29294.7059	37687.142	21583.843	19645.4806	15441.3338	36700.7095
		3.613786	4.639439	3.725244	2.046169	1.118461	2.178972	2.744451	2.469023	2.746783
		34.975397	117.28003	105.992146	113.89154	148.90995	84.257352	91.534611	63.542111	178.036489
		74.393035	111.755428	124.605394	171.836389	162.997188	112.064443	97.736442	90.92416	125.998792
		10.328885	25.703748	17.444755	3.436727	3.259943	10.085799	26.363875	12.729382	12.599879
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88

		0.121785	0.411647	0.321892	0.301875	0.3875	0.237708	0.353431	0.222659	0.451634
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		12.764602	27.619969	19.867853	2.028459	2.990049	7.022647	52.665388	20.177888	9.84351
		912.783854	3224.16327	1739.68274	388.298643	466.413652	900.034807	5952.35062	1938.21118	1407.53581
		1.94	3.58	3.09	2.25	2.5	1.38	2.35	1.44	4.06
		-281.00282	-7543.1982	-5433.1	-9107.7122	-14801.579	-10434.211	-12680.682	-9297.5892	-11300.422
		-2965.3813	-31401.693	-25265.52	-38402.418	-52488.721	-32018.054	-32326.162	-24738.923	-48001.131
		0.75	0.63	0.37		0.01	0.12	1.17	0.6	0.32
		1099.912	3146.0341	2479.4908	1958.5765	2477.5201	1681.0097	3305.8289	1849.1452	3173.7075
		0.11	0.14	0.03	0.02	0.04	0.02	0.07	0.03	0.09
		115.5	147	31.5	21	42	21	73.5	31.5	94.5
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3266.03426	20478.0079	16602.4006	20708.6901	23706.1198	12503.7381	17882.4552	10296.0312	26975.5279
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
		115.5	147	31.5	21	42	21	73.5	31.5	94.5
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		0.02	0.18	0.24		0.03	0.07	0.08	0.05	
11.06256	11.007873	10.727266	11.113662	11.248036	11.29128	11.482258	11.374753	11.325824	11.35635	11.497885
0.324172	0.343445	0.474203	0.372456	0.328907	0.315335	0.276873	0.29232	0.309728	0.299069	0.275709
0.31207	0.325573	0.457542	0.358945	0.316151	0.303238	0.265833	0.281197	0.29862	0.287407	0.26435
1609455.49	1896098.26	2477914.7	1797188.45	1678415.8	1443934.84	1370452.05	1463973.57	1798787.25	1560191.57	1481719.92
6041.89165	5986.06926	7855.88779	5956.45406	6313.80773	6164.76732	5960.23786	5979.13491	5939.46032	5431.21443	6377.31871
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
0.033499	0.032774	0.031493	0.03369	0.033733	0.033735	0.034466	0.035916	0.034133	0.035091	0.036566
483770.662	551810.407	699713.068	506099.794	501962.555	473729.192	431865.949	442829.682	497559.186	441799.495	455810.286
751486.117	856266.726	1208120.65	1041998.47	974551.84	957810.976	874698.853	827943.837	965617.854	828535.124	943349.603
3.269749	3.303397	3.430852	3.557987	3.475305	3.509072	3.469481	3.432186	3.470383	3.441889	3.499731
829912.944	966994.148	1203798.05	845825.558	844957.756	800297.245	725729.03	753186.988	834825.475	751197.842	755607.64
167.429874	228.097444	16402.8807	13582.3419	6902.45719	1744.08075	1810.18602	4020.84828	17492.043	8885.35509	5038.19695
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352.409475	347.822474	353.904479	353.770576	353.865598	352.667388	353.209573	352.803447	354.015247	352.168138	352.048173
140966.4	155650.4	143903.2	129219.2	143903.2	140966.4	143903.2	140966.4	149776.8	138029.6	152713.6

366.146493	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
125.49903	123.230424	229.8587	339.198436	250.506171	268.690218	203.229205	210.771769	244.616131	213.95158	227.278374
37.647984	37.84407	38.507898	41.169026	40.680089	41.166402	41.399182	40.62426	40.930867	40.674746	41.818344
1697982.63	1952219.84	2577783.19	2011889.09	1948427.87	1876308.09	1714728.51	1705073.68	1929162.79	1700060.76	1826302.02
1563562.73	1884468.55	3644699.97	3045257.29	2512799.43	2418310.91	1955288.28	1869771.59	2314175.74	1997613.71	2053786.08
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1374.56	1476.92	1737.28	1746.8	1831.31	1634.88	1586.77	1686.09	1879.64	1543.15	1700.72
36670.0699	1814.05443	49728.1841	175535.478	221999.203	388752.223	296678.051	184835.909	81747.4384	88258.8716	291989.873
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926.947292	46.197307	848.898318	1630.12084	2951.54343	5805.87452	3807.5992	2663.39977	715.052525	817.663828	3619.50792
32.658741	34.093072	53.300914	50.783352	40.391109	32.271614	23.95333	30.181348	39.398629	33.852954	26.159487
32.635336	34.091308	53.034318	50.759618	40.322928	32.245634	23.929969	30.145582	39.291892	33.848265	26.127626
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
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43064.5507	50629.5027	64992.9197	44752.5292	42543.6886	36940.5295	34446.7408	36976.0322	44011.3215	38853.1362	36750.4561
1609455.49	1896098.26	2477914.7	1797188.45	1678415.8	1443934.84	1370452.05	1463973.57	1798787.25	1560191.57	1481719.92
4.93	0.18	25	30.26	40.71	50.06	32.27	26.73	16.3	15.49	34.74
134419.904	67751.2946	-1066916.8	-1033368.2	-564371.56	-542002.82	-240559.77	-164697.92	-385012.95	-297552.95	-227484.07
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344.88	418.43	354.8	312.84	327.7	293.6	334.71	333.45	387.71	353.98	365.59
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275609.155	344312.484	349413.656	309454.651	295954.06	254803.86	256875.581	264142.917	355231.528	301243.086	275729.123
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51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
1950612.48	2240528.35	2931375.1	2261430.64	2198501.09	2113290.13	1929639.56	1928410.13	2176218.39	1922483.02	2050128.08
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43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
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34.09	3.98	11.94	8.86	23.47	40.17	24.88	23.64	3.91	6.19	15.31
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971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148
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102164.422	134025.464	123631.332	106249.859	103849.734	89928.0295	90262.454	94413.4392	123257.481	108045.273	97035.034
971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148
343.88	419.54	353.17	312.12	326.72	293.18	334.43	333.07	387.27	353.66	365.42
211.386507	261.861802	228.717115	229.79388	201.817376	170.012375	169.021803	225.863232	279.468753	265.246034	214.374754
105.366849	137.828589	91.525734	119.988967	101.031262	80.310519	88.640033	101.171941	150.981807	141.794098	98.982781
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3196836.89	4385089.13	6150034.19	4800930.95	3866275.59	3125665.27	2467975.32	2762064.77	3997587.28	3418521.17	2681159.04
4168729.44	6054329.82	7459806.32	5806156.06	4616901.78	3549421.99	2889402.11	3371938.78	5214917.44	4445464.32	3229268.18
102164.422	134025.464	123631.332	106249.859	103849.734	89928.0295	90262.454	94413.4392	123257.481	108045.273	97035.034
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3196836.89	4385089.13	6150034.19	4800930.95	3866275.59	3125665.27	2467975.32	2762064.77	3997587.28	3418521.17	2681159.04
3196836.89	4385089.13	6150034.19	4800930.95	3866275.59	3125665.27	2467975.32	2762064.77	3997587.28	3418521.17	2681159.04
971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148
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971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148
343.88	419.54	353.17	312.12	326.72	293.18	334.43	333.07	387.27	353.66	365.42
211.386507	261.861802	228.717115	229.79388	201.817376	170.012375	169.021803	225.863232	279.468753	265.246034	214.374754
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4168729.44	6054329.82	7459806.32	5806156.06	4616901.78	3549421.99	2889402.11	3371938.78	5214917.44	4445464.32	3229268.18
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7412.33562	8324.01141	8113.11822	7458.79851	8220.60129	8859.74666	8257.01524	6590.059	5536.69479	5010.01808	6987.37679
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410495.146	460983.752	26425.5412								
410495.146	460983.752	26425.5412								
7412.33562	8324.01141	8113.11822	7458.79851	8220.60129	8859.74666	8257.01524	6590.059	5536.69479	5010.01808	6987.37679

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410495.146	460983.752	26425.5412								
7412.33562	8324.01141	8113.11822	7458.79851	8220.60129	8859.74666	8257.01524	6590.059	5536.69479	5010.01808	6987.37679
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102164.422 134025.464 123631.332 106249.859 103849.734 88694.1736 90262.454 94413.4392 123257.481 108045.273 97035.034
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141869.618 191560.931 10760.1171
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141869.618 191560.931 10760.1171
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22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
692946.383	823260.996	1241656.44	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
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1301105.94	1461854.32	87144.7704								
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1301105.94	1461854.32	87144.7704								
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
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0.324172	0.343445	0.474203	0.372456	0.328907	0.315335	0.276873	0.29232	0.309728	0.299069	0.275709
0.31207	0.325573	0.457542	0.358945	0.316151	0.303238	0.265833	0.281197	0.29862	0.287407	0.26435
3196836.89	4385089.13	6150034.19	4800930.95	3866275.59	3125665.27	2467975.32	2762064.77	3997587.28	3418521.17	2681159.04
3882453.98	5027193.28	3874831.61	2802413.56	2429041.99	1867691.56	1791878.83	2073847.57	3016117.42	2587134.71	2029829.06
14594.4032	15885.9893	12223.256	9246.62164	9096.92625	7946.65753	7768.25991	8333.85473	9837.0115	8898.62909	8650.78519
-35802.169	-57933.145	-32507.105	-37797.821	-32798.893	-19474.085	-27566.32	-33138.181	-59408.538	-50986.466	-34813.428
4220048.36	4395883.71									
0.033499	0.032774	0.031493	0.03369	0.033733	0.033735	0.034466	0.035916	0.034133	0.035091	0.036566
483770.662	551810.407	699713.068	506099.794	501962.555	473729.192	431865.949	442829.682	497559.186	441799.495	455810.286
751486.117	856266.726	1208120.65	1041998.47	974551.84	957810.976	874698.853	827943.837	965617.854	828535.124	943349.603
3.269749	3.303397	3.430852	3.557987	3.475305	3.509072	3.469481	3.432186	3.470383	3.441889	3.499731
829912.944	966994.148	1203798.05	845825.558	844957.756	800297.245	725729.03	753186.988	834825.475	751197.842	755607.64
167.429874	228.097444	16402.8807	13582.3419	6902.45719	1744.08075	1810.18602	4020.84828	17492.043	8885.35509	5038.19695
135677.648	147476.729	138730.556	124527.243	138361.449	135424.277	138458.153	135476.524	144438.221	132415.22	146452.04
352.409475	347.822474	353.904479	353.770576	353.865598	352.667388	353.209573	352.803447	354.015247	352.168138	352.048173
140966.4	155650.4	143903.2	129219.2	143903.2	140966.4	143903.2	140966.4	149776.8	138029.6	152713.6
366.146493	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
125.49903	123.230424	229.8587	339.198436	250.506171	268.690218	203.229205	210.771769	244.616131	213.95158	227.278374
37.647984	37.84407	38.507898	41.169026	40.680089	41.166402	41.399182	40.62426	40.930867	40.674746	41.818344
1697982.63	1952219.84	2577783.19	2011889.09	1948427.87	1876308.09	1714728.51	1705073.68	1929162.79	1700060.76	1826302.02
1563562.73	1884468.55	3644699.97	3045257.29	2512799.43	2418310.91	1955288.28	1869771.59	2314175.74	1997613.71	2053786.08
102164.422	134025.464	123631.332	106249.859	103849.734	89928.0295	90262.454	94413.4392	123257.481	108045.273	97035.034
-134419.9	-67751.295	1066916.77	1033368.2	564371.558	542002.822	240559.77	164697.916	385012.951	297552.948	227484.066
2256509.11	2707729.54	4886356.4	4041365.02	3441992.78	3375251.13	2613860.73	2482875.85	2898948.27	2528033.43	2636389.59
1374.56	1476.92	1737.28	1746.8	1831.31	1634.88	1586.77	1686.09	1879.64	1543.15	1700.72
36670.0699	1814.05443	49728.1841	175535.478	221999.203	388752.223	296678.051	184835.909	81747.4384	88258.8716	291989.873
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148

343.88	419.54	353.17	312.12	326.72	293.18	334.43	333.07	387.27	353.66	365.42
211.386507	261.861802	228.717115	229.79388	201.817376	170.012375	169.021803	225.863232	279.468753	265.246034	214.374754
10.536684	15.314287	7.627144	7.49931	6.314453	5.019407	5.540002	6.323246	9.436362	8.862131	6.186423
36,729.12	57,979.34	33,356.00	39,427.94	35,750.44	25,279.96	31,373.92	35,801.58	60,123.59	51,804.13	38,432.94
41688.4215	1959.55248	58110.165	254799.147	336194.346	683236.933	575914.944	339535.137	127854.827	144700.109	511915.103
2.562641	0.611271	3.80361	3.283627	3.40734	3.645211	2.335573	2.531588	1.172995	1.220792	2.527247
926.95	46.20	848.90	1,630.12	2,951.54	5,805.87	3,807.60	2,663.40	715.05	817.66	3,619.51
32.567968	33.976844	53.275247	50.800026	40.378333	32.273874	23.975931	30.188158	39.374174	33.79048	25.9754
32.545985	33.975174	53.009375	50.776303	40.310238	32.247923	23.952661	30.152393	39.267436	33.785798	25.94374
-35802.169	-57933.145	-32507.105	-37797.821	-32798.893	-19474.085	-27566.32	-33138.181	-59408.538	-50986.466	-34813.428
-92.992646	-136.63478	-82.926288	-107.38017	-83.884637	-50.713761	-70.322245	-86.297346	-145.60916	-135.6023	-83.686125
-8412094.6	-9775626	-4282197.7	-3020996.6	-2622783.9	-1863704.3	-1783754.1	-2207599.1	-3274857.4	-2812970.8	-2094897.5
-82.36176	-72.941124	-34.62763	-28.413349	-25.227494	-20.709604	-19.742507	-23.390329	-26.59248	-26.002481	-21.596571
-8412094.6	-9775626	-4282197.7	-3020996.6	-2622783.9	-1863704.3	-1783754.1	-2207599.1	-3274857.4	-2812970.8	-2094897.5
65435.3059	76046.1219	90275.3286	66821.9168	68099.2974	64648.0704	58888.5347	58611.8584	63133.8903	56241.1426	58602.0981
2910561.43	3357952.58	2565059.47	1797188.45	1678415.8	1443934.84	1370452.05	1463973.57	1798787.25	1560191.57	1481719.92
8159464.71	9487317.45	3928605.75	2771455.02	2372710.67	1626722.23	1568843.11	1984262.6	3027801.8	2590548.5	1871071.47
9089668.84	11154598.6	5180267.72	3521880.98	2787142.52	1367242.01	1414354.95	2254601.47	4117277.14	3472791.54	1907265.51
0.000236	0.013507									
786431.265	1014439.8	967570.316	838815.831	815202.731	703210.152	708115.245	736007.935	971518.931	841469.451	760904.293
3.86	4.62	4.88	5.03	4.28	3.96	4.57	4.61	4.49	3.99	4.74
51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
10668603.7	12483355.5	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
6448555.31	8087471.8	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
1581399.06	1823260.87	2411918.7	1887824.03	1819509.6	1758108.22	1600427.88	1581130.82	1800443.33	1579732.97	1698957.24
66362.2532	76092.3192	91124.2269	68452.0376	71050.8408	70453.9449	62696.1339	61275.2582	63848.9429	57058.8064	62221.606
51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
6448555.31	8087471.8	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
64705.5263	74651.4439	114983.379	84341.9894	80642.3797	74381.3135	66479.3072	67537.9602	79655.4276	68582.8818	74401.7536
1301105.94	1461854.32	87144.7704								
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
692946.383	823260.996	1241656.44	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
-608159.56	-638593.32	1154511.67	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
1301105.94	1461854.32	87144.7704								

2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07	2036-08
30.282085	31.862086	33.262137	49.949886	45.53986	36.999865	34.929798	27.609787	28.829789	31.92981	31.269793
20.680486	20.680513	20.680565	20.725787	20.725799	20.725875	20.725799	20.725812	20.725837	20.72585	20.725812
30.155301	31.735301	33.135331	49.823995	45.413979	36.873982	34.803942	27.483936	28.703937	31.803949	31.143939
30.252827	31.832828	33.232874	49.920834	45.510811	36.970815	34.900755	27.580744	28.800746	31.900765	31.24075
29.521376	31.101375	32.501302	49.194537	44.784575	36.244568	34.174664	26.85468	28.074677	31.174647	30.514671
29.804204	31.384204	32.784176	49.475372	45.065386	36.525384	34.455419	27.135425	28.355424	31.455413	30.795422
30.233322	31.813323	33.213365	49.901467	45.491445	36.951448	34.881392	27.561382	28.781384	31.881402	31.221388
30.272333	31.852333	33.252383	49.940202	45.530177	36.990182	34.920117	27.600106	28.820108	31.920128	31.260112

25.665057	25.665057	25.665057	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358
1.59	1.59	1.59	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
29.97	31.55	32.95	49.64	45.23	36.69	34.62	27.3	28.52	31.62	30.96
5.873796	6.81273	7.635466	7.554376	7.522188	6.808813	6.163042	5.810525	5.828108	5.867824	5.860056
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
	0.27788	0.13894		0.55576	0.55576	0.55576			0.55576	0.416819
	0.000347	0.001383		0.001165	0.000871	0.002153			0.001315	0.005773
	0.000347	0.001383		0.001037	0.000871	0.002125			0.001315	0.005773
		620.749762		217.053588	66.623521				3088.81401	4002.79274
		1.825777		0.721668	0.207335				7.866989	11.174559
	3	13.2		8.4	8	17.6			11.6	53
0.027686	0.034661	0.031816	0.022474	0.031972	0.02696	0.032309	0.027107	0.026041	0.027321	0.03299
	41.682	183.4008		116.7096	111.152	244.5344			161.1704	736.381999
	1069.77092	4706.99204		3055.26574	2909.7769	6401.50918			4219.1765	19277.272
	0.544501	0.27225		1.110734	1.110734	1.110734			1.110734	0.83305
	65.02392	286.105248		185.568264	176.73168	388.809696			256.260936	1170.84738
8225.775	8340.525	9236.475	8621.775	7841.025	8932.5	8012.475	8931.15	8415	8579.025	8877.15
21.877061	21.663701	21.784139	21.994323	21.780625	21.947174	21.773029	21.890073	21.914062	21.885267	21.75772
8460	8640	9540	8820	8100	9180	8280	9180	8640	8820	9180
22.5	22.441558	22.5	22.5	22.5	22.555282	22.5	22.5	22.5	22.5	22.5
	3	13.2		8.4	8	17.6			11.6	53
	7.659138	3.797249		16.151674	15.680051	15.603852			15.492142	11.619107
	7.659138	3.797249		16.151674	15.680051	15.603852			15.492142	11.619107
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1229.55821	5530.99324		3657.49124	3682.784	7570.12526			5193.80168	24270.0225
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316

	1229.55821	5530.99324		3657.49124	3682.784	7570.12526			5193.80168	24270.0225
0.64	10.49	7.9	12.24	17.74	10.2	7.66	7.54	7.18	27.6	14.98
	1150.81004	4391.61953		3071.90012	3055.54086	6852.14657			1403.90743	16524.2966
	1229.55821	4758.81864		3422.13279	3610.94541	7570.12526			1540.20924	19317.9141
	0.4	0.189594		0.789602	0.767553	0.8			0.703103	0.368663
	3	11.565264		7.839577	7.827981	17.6			3.624824	42.664973
		379.724946		391.240227	387.303572				392.638278	390.806011
		3.797249		7.824804	7.746071				11.779148	7.81612
	3	13.2		8.4	8	17.6			11.6	53
	0.007792	0.031132		0.023333	0.019656	0.047826			0.029591	0.129901
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316
		1.634735		0.560422	0.172018				7.975175	10.335026
		620.749762		217.053588	66.623521				3088.81401	4002.79274
	0.07	0.29		0.17	0.08	0.3			0.1	0.59
	-78.748167	-518.62395		-368.53753	-560.61962	-717.97868			-701.08024	-3742.9332
	-1308.3064	-5277.4426		-3790.6703	-4171.565	-8288.1039			-2241.2895	-23060.847
				0.01					0.11	0.06
	43.6311	215.6539		120.7246	118.0962	201.6771			224.0322	841.5285
	0.01			0.03	0.02	0.03				
	11.6352			35.6037	23.7358	35.6037				
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1134.79484	4993.09729		3240.83401	3086.50858	6790.31887			4475.43744	20448.1193
	3	13.2		8.4	8	17.6			11.6	53
	11.6352			35.6037	23.7358	35.6037				
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	4.38	19.272		12.516	11.92	26.224			17.284	78.97
2.26056	1.78961	1.69542	5.08626	4.80369	4.33274	2.91989	3.48503	2.91989	3.29665	2.26056
0.043856	0.034693	0.035198	0.104149	0.103366	0.085764	0.065909	0.061327	0.061309	0.069613	0.054831
0.042739	0.032916	0.034221	0.101964	0.098722	0.0812	0.061983	0.06	0.060494	0.067423	0.052647
12985.3594	33430.2046	84284.3667	182251.673	123641.511	65735.6098	21568.3281	16343.3351	50652.7921	139924.875	120960.34
52.682139	117.832777	255.73906	557.766008	412.634799	231.389496	89.844139	68.056649	180.174425	416.687238	381.718389
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84

0.029494	0.033828	0.025165	0.028214	0.033777	0.034779	0.031739	0.028137	0.027447	0.033724	0.02995
8779.07314	6905.25728	7926.84202	21835.6909	19415.5731	18098.9853	12461.1486	13373.473	12690.5955	14438.7619	11734.567
85399.2264	74115.1	100706.61	214919.771	190615.392	144215.972	145345.746	92648.7673	104486.085	149667.92	142995.057
2.038813	1.53312	1.792645	3.680959	3.663723	2.694479	2.673529	2.413242	2.037251	2.712557	1.911421
1173.10155	2909.55922	6354.91537	17121.4062	11276.3131	8036.34704	1639.79631	2227.21706	5513.1087	12351.6822	9181.47933
21164.78	21518.58	23973.14	22094.52	20174.72	22840.98	20666.56	22998.16	21660.68	21969.24	22955.24
56.289308	55.892415	56.540424	56.363571	56.040888	56.120343	56.15913	56.368039	56.40802	56.043979	56.262843
21808	22272	24592	22736	20880	23664	21344	23664	22272	22736	23664
58	57.84935	58	58	58	58.142506	58	58	58	58	58
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
21.698329	16.420795	18.774746	40.445915	40.059562	30.331251	28.566928	26.63382	22.526379	29.226144	20.518071
21.698329	16.420795	18.774746	40.445915	40.059562	30.331251	28.566928	26.63382	22.526379	29.226144	20.518071
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
123220.918	120529.853	172303.943	291306.865	293126.658	232264.917	256665.487	140585.783	167540.031	248208.412	257981.057
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
123220.918	120529.853	172303.943	291306.865	293126.658	232264.917	256665.487	140585.783	167540.031	248208.412	257981.057
125.9	108.31	130.32	217.41	192.76	197.5	141.61	158.79	152.59	191.74	138.86
82049.2094	48200.1491	25070.5248	57039.7937	88646.1307	98649.8145	137683.668	91208.1182	67927.4392	25745.6156	35040.5385
106393.773	71411.894	40834.4899	69124.5408	123929.587	138624.096	219504.728	118186.42	93551.3761	32900.1059	58523.1653
11.705817	7.400867	2.830836	10.835406	15.028094	16.521963	16.463635	18.54227	10.340047	4.197737	4.260879
807.513705	424.216802	166.888911	500.50799	864.132067	1068.33403	1148.88548	1183.37997	762.022163	221.581873	271.057185
95.665052	91.464646	113.753983	86.364124	94.097358	75.521745	106.441009	72.18304	74.381953	90.746158	90.932932
20.079865	16.463614	19.337685	41.354851	40.455749	31.681766	22.346843	24.504815	22.27959	31.761152	21.822659
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
2.478882	1.904207	1.984858	5.913928	5.725888	4.721228	3.595054	3.48	3.508697	3.910561	3.053529
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
124.546294	308.903197	674.691088	1817.75201	1197.18793	853.20597	174.094522	236.460034	585.317836	1311.35813	974.782814
12985.3594	33430.2046	84284.3667	182251.673	123641.511	65735.6098	21568.3281	16343.3351	50652.7921	139924.875	120960.34
10.14	5.15	2.03	13.29	10.7	9.93	9.9	12.77	8.58	5	4.6
-28186.35	-38899.499	-62949.051	-52015.398	-80839.016	-67879.493	-97413.491	-33034.33	-48959.8	-82537.922	-101980.18
-134580.12	-110311.39	-103783.54	-121139.94	-204768.6	-206503.59	-316918.22	-151220.75	-142511.18	-115438.03	-160503.34
0.45	1.1	4.3	14.75	6.27	2.23	0.63	0.93	2.94	8.46	5.94
3783.2571	3490.0798	4742.1718	12961.7849	10404.1582	9123.4783	5336.5279	5769.3674	6124.9479	8794.3335	6700.4241
0.24	0.07	0.12	0.48	0.43	0.34	0.27	0.25	0.15	0.11	0.09

128.3304	37.4297	64.1652	261.792	234.522	185.436	147.258	136.35	81.81	59.994	49.086
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
85399.2264	74115.1	100706.61	214919.771	190615.392	144215.972	145345.746	92648.7673	104486.085	149667.92	142995.057
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
128.3304	37.4297	64.1652	261.792	234.522	185.436	147.258	136.35	81.81	59.994	49.086
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
9507.012	7477.824	8584.116	24109.904	21437.728	19984.016	13758.992	14766.336	14012.336	15942.576	12956.736
0.02	0.3	0.2	0.78	1.34	2.08	0.13	1.2	0.46	0.03	0.03
11.303681	11.320964	11.319923	11.0809	11.165867	11.211192	11.316779	11.270128	11.302285	11.295839	11.340479
0.516359	0.516917	0.521969	0.643711	0.586495	0.56446	0.51129	0.536232	0.515921	0.523204	0.506063
0.500976	0.496997	0.506395	0.622333	0.563661	0.545299	0.489061	0.515265	0.497058	0.506218	0.488519
792132.346	858333.437	993256.278	1130723.05	928600.902	980359.117	731239.16	866554.801	846349.749	938330.886	944413.982
3366.32203	3189.60113	3109.22757	3539.98717	3188.88303	3631.37949	3090.32726	3697.91811	3397.81823	3102.72089	3240.37877
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
0.030425	0.041197	0.031603	0.033443	0.038138	0.036151	0.041793	0.038186	0.036458	0.034719	0.034754
233498.688	236225.934	265715.776	295444.745	247866.865	272904.501	223079.439	259372.531	236413.392	245439.044	247502.054
373670.136	378201.237	425409.954	491459.443	412384.143	452637.63	369913.982	430290.299	391980.476	409234.933	412291.799
3.5618	3.5618	3.5618	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364
460412.713	465790.297	523938.366	589825.888	494841.41	544826.546	445355.791	517811.32	471975.696	489994.508	494113.101
40466.16	40867.98	45576.6	42056.79	38435.97	43650.75	39140.82	43558.62	41070	42001.29	43714.02
107.622765	106.150597	107.491981	107.287729	106.766583	107.25	106.360923	106.761323	106.953125	107.146147	107.142205
41736	42624	47064	43512	39960	45288	40848	45288	42624	43512	45288
111	110.711688	111	111	111	111.272727	111	111	111	111	111
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
42.612954	42.863625	42.737818	42.680111	43.030847	43.191481	43.789818	43.462855	43.614667	43.549985	43.758111
42.207599	42.269651	42.265689	42.261677	42.569402	42.743451	43.126851	42.956545	43.075509	43.043721	43.209474
882452.278	895580.171	1005093.88	1144526.35	961262.259	1056049.14	866427.21	1005336.49	916162.704	952272.666	960694.346
874472.359	978987.449	1176213.28	1773654.01	1418072.19	1280169.54	1046151.24	901573.093	844231.802	1065636.66	1062885.69
-7979.9188	83407.2779	171119.4	629127.663	456809.932	224120.393	179724.027	-103763.4	-71930.903	113363.999	102191.341
874472.359	978987.449	1176213.28	1773654.01	1418072.19	1280169.54	1046151.24	901573.093	844231.802	1065636.66	1062885.69
364.56	368.18	410.6	378.89	346.27	393.25	352.62	392.42	370	378.39	393.82
82898.1719	27144.8941	2766.56644	4655.25138	23618.4575	66436.8255	123937	128161.541	59928.855	4898.87958	6185.96305
159805.496	54740.8173	6912.76885	10017.2822	52095.2575	122904.746	329158.559	211054.204	104399.418	8040.25081	13890.1371

19.410616	9.461499	2.746965	7.960532	13.850149	17.832015	20.314566	19.025624	16.30666	4.070388	3.700662
2068.16474	677.638424	68.809517	113.871634	573.382658	1620.42472	2996.62701	3100.9082	1447.51146	117.669374	147.4644
23.465767	25.951807	28.071888	45.361925	35.389307	28.264287	21.25758	21.637203	22.360636	25.071132	23.251819
23.43738	25.944759	28.070553	45.35966	35.381241	28.231901	21.221504	21.601166	22.340095	25.069362	23.250644
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
55.60834	55.023444	56.209877	69.07903	62.566477	60.676948	54.285777	57.194519	55.173541	56.19029	54.225666
-130029.68	-40068.018	32229.7644	474698.695	327249.921	81473.2106	63120.4043	-239337.42	-195504.18	-14926.989	-27177.982
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18840.5713	20506.3876	23764.1785	26965.1084	21950.5493	23075.0933	16980.539	20234.4558	19739.1285	21908.9246	21976.6076
792132.346	858333.437	993256.278	1130723.05	928600.902	980359.117	731239.16	866554.801	846349.749	938330.886	944413.982
21.25	14.13	2.08	4.06	10.42	16.52	24.28	24.98	11.28	3.11	4.38
7979.91883	-83407.278	-171119.4	-629127.66	-456809.93	-224120.39	-179724.03	103763.399	71930.9028	-113364	-102191.34
-151825.58	-138148.1	-178032.17	-639144.94	-508905.19	-347025.14	-508882.59	-107290.8	-32468.516	-121404.25	-116081.48
295.08	317.77	381.17	324.78	284.06	312.68	272.38	300.33	306.46	336.05	354.25
83964.5871	96047.4788	128453.746	118221.248	98118.9989	103280.053	80456.9123	89352.6616	89927.7056	112032.518	112377.927
0.72	0.98	0.88	0.87	0.86	0.88	1.07	1.01	0.94	0.86	0.96
7421.76	10101.84	9071.04	9148.05	9042.9	9253.2	11251.05	10620.15	9884.1	9042.9	10094.4
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
834082.849	843991.534	949348.321	1081285.33	907225.553	997464.176	815269.773	948101.62	863956.172	899229.441	906404.899
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
7421.76	10101.84	9071.04	9148.05	9042.9	9253.2	11251.05	10620.15	9884.1	9042.9	10094.4
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
40947.6686	41486.7965	46674.5237	54092.9704	44993.8066	49331.7668	39906.3868	46614.7231	42322.4321	44000.3242	44195.0462
23.87	11.95	2.53	3.13	7.82	23.81	21.28	32.46	18.96	2.78	2.92
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000208	0.000872		0.000833	0.000759	0.001661			0.000954	0.004894
	0.000208	0.000872		0.000833	0.000759	0.001657			0.000943	0.004877
		50.349426		12.469346					311.733657	364.51659
		0.146305		0.041171					0.781153	0.992482
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
0.03226	0.023932	0.032264	0.027295	0.029611	0.025343	0.027146	0.020196	0.026354	0.040816	0.042058
	3.6	16.65		13.5	13.95	27.45			16.65	89.55

	92.394206	427.323204		353.407839	365.1881	718.595939			435.869668	2344.272
	0.543927	0.271963		1.108386	1.108386	1.385482			0.831289	0.831289
	5.51268	25.496145		20.67255	21.361635	42.034185			25.496145	137.127914
1091.61	1124.43	1230.96	1143.9	1048.02	1192.98	1074.03	1199.28	1121.64	1128	1172.52
2.903218	2.920597	2.903207	2.918112	2.911166	2.931154	2.918559	2.939411	2.920937	2.877551	2.873823
1128	1152	1272	1176	1080	1224	1104	1224	1152	1176	1224
3	2.992207	3	3	3	3.007371	3	3	3	3	3
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	101.43196	488.912592		412.889561	442.541512	809.289733			528.596952	2844.04241
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
	101.43196	488.912592		412.889561	442.541512	809.289733			528.596952	2844.04241
	0.08	0.37		0.3	0.31	0.61			0.37	1.99
	97.906886	402.469922		361.611042	386.549735	760.630124			149.632155	2116.88332
	101.43196	428.724885		400.385207	442.541512	809.289733			166.303768	2412.53568
	0.06	0.028187		0.12	0.12	0.15			0.09	0.059775
	0.24	0.986578		0.87	0.93	1.83			0.36	5.093009
		407.945359								415.644876
		4.079453								4.156448
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
	0.000623	0.002617		0.0025	0.002285	0.004972			0.002831	0.014632
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
		0.123421		0.03					0.75	0.87699
		50.349426		12.469346					311.733657	364.51659
	-3.525073	-36.093243		-38.809172	-55.991776	-48.659608			-67.231139	-362.64249
	-104.95703	-464.81813		-439.19438	-498.53329	-857.94934			-233.53491	-2775.1782
	23.3377	121.24		84.6868	91.9558	141.3747			144.5828	635.809
	0.03	0.1		0.21	0.16	0.21			0.14	0.32
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	0.24	1.11		0.9	0.93	1.83			1.11	5.97

	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
12.011777	12.1076	12.106152	11.701186	11.842249	11.923375	12.131096	12.080488	12.067082	12.118072	12.179033
0.573424	0.556598	0.566054	0.696827	0.639183	0.616965	0.547998	0.569482	0.564676	0.554274	0.538457
0.550101	0.527077	0.54303	0.668502	0.611863	0.591673	0.521293	0.545564	0.540628	0.528605	0.511362
295985.048	290813.53	330357.669	373931.454	318186.569	350147.718	283098.693	326874.99	305011.362	306233.464	309434.774
1263.93627	1082.84685	1033.20208	1170.64353	1095.42238	1302.94943	1202.79191	1401.49945	1232.42803	1013.4901	1061.92466
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
0.042021	0.053307	0.040471	0.044005	0.043888	0.042426	0.048342	0.041593	0.04401	0.045561	0.051593
104810.243	102965.097	116988.427	129033.921	109784.477	121026.089	97896.0058	112975.649	105409.998	105634.538	106788.423
167721.386	164851.532	187224.911	214313.08	182532.795	200680.492	162388.896	187504.054	174978.312	175969.84	177795.239
2.706	2.705999	2.705999	2.7635	2.7635	2.7635	2.763499	2.763499	2.763499	2.763499	2.7635
116968.231	114909.048	130559.085	144969.61	123342.86	135972.81	109986.162	126928.142	118428.132	118680.403	119976.793
15488.6	15631.79	17494.12	16114.25	14800.6	16799.67	15059.03	16814.29	15785.3	16088.02	16638.85
41.193085	40.602051	41.259716	41.10778	41.112777	41.27683	40.921277	41.211495	41.107552	41.040867	40.781495
16168	16512	18232	16856	15480	17544	15824	17544	16512	16856	17544
43	42.888311	43	43	43	43.105651	43	43	43	43	43
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
34.570444	35.004851	34.751757	34.356093	34.70833	34.913595	35.650695	35.401629	35.473405	35.556455	35.906915
33.750117	34.01235	34.007269	33.591378	33.973366	34.211739	34.780897	34.642589	34.602269	34.733454	34.908607
302051.62	297950.674	336424.241	380171.358	323700.703	355971.629	289182.599	333010.895	311615.261	312629.365	316610.664
357678.418	382634.077	462030.191	704390.49	562359.133	508872.199	409359.578	358482.62	351973.533	410265.681	412503.843
55626.798	84683.403	125605.95	324219.133	238658.431	152900.57	120176.979	25471.7247	40358.2718	97636.3154	95893.1798
357678.418	382634.077	462030.191	704390.49	562359.133	508872.199	409359.578	358482.62	351973.533	410265.681	412503.843
360.2	363.53	406.84	374.75	344.2	390.69	350.21	391.03	367.1	374.14	386.95
				2.218416						
				2.20118						
				0.035328						
				0.070656						
25.95571	19.865841	32.951991	45.196324	50.576334	29.530112	25.179703	34.775922	36.383575	19.521901	18.757785
5.450699	5.363777	9.226557	9.943191	16.69019	8.859033	8.309302	9.737258	8.732058	4.294818	3.751557
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
23.654361	22.60548	23.350306	28.745612	26.310111	25.504471	22.415625	23.459264	23.247031	22.730025	21.988578
842.484007	30863.5469	64456.0988	256773.102	181274.084	89640.2339	69006.7366	-33580.647	-14739.534	42421.1426	40074.8712
842.484007	30863.5469	64456.0988	256773.102	181274.084	89640.2339	69006.7366	-33580.647	-14739.534	42421.1426	40074.8712

8894.04	8703.11	9900.53	11268.28	9471.56934	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
295985.048	290813.53	330357.669	373931.454	318186.569	350147.718	283098.693	326874.99	305011.362	306233.464	309434.774
-55626.798	-84683.403	-125605.95	-324219.13	-238658.43	-152900.57	-120176.98	-25471.725	-40358.272	-97636.315	-95893.18
-55626.798	-84683.403	-125605.95	-324219.13	-238660.63	-152900.57	-120176.98	-25471.725	-40358.272	-97636.315	-95893.18
2.33	3.09	3.82	2.59	3.63	3.79	4.8	3.66	2.55	1.91	2.94
81731.3655	93712.5362	126049.178	115730.947	96938.5611	101976.312	79434.1686	88283.8702	88608.9672	109630.142	109224.727
1.19	1.4	1.19	1.2	1.06	1.12	1.17	1.18	1.27	1.23	1.38
6066.5724	7137.144	6066.5724	6239.904	5511.9152	5823.9104	6083.9064	6135.9056	6603.8984	6395.9016	7175.8896
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
284689.617	279760.58	317783.996	359282.69	305875.656	336653.302	272375.058	314432.196	293406.444	294650.243	297772.032
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
6066.5724	7137.144	6066.5724	6239.904	5511.9152	5823.9104	6083.9064	6135.9056	6603.8984	6395.9016	7175.8896
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
11295.4308	11052.9497	12573.6731	14648.764	12313.132	13494.416	10723.635	12442.794	11604.918	11583.221	11662.742
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000209	0.000796		0.000833	0.000759	0.001657			0.00095	0.004905
	0.000208	0.000731		0.000833	0.000759	0.001657			0.000892	0.004901
		24.476721		12.469346					286.794964	335.621515
		0.069833		0.041171					0.717624	0.907856
	0.24	0.93		0.9	0.93	1.83			1.05	6
0.027074	0.029531	0.027429	0.019897	0.032416	0.026789	0.028396	0.020906	0.029114	0.051352	0.023235
	3.6	13.95		13.5	13.95	27.45			15.75	90
	92.394206	358.027549		353.407839	365.1881	718.595939			412.309145	2356.05226
	0.543927	0.271963		1.108386	1.108386	1.385482			0.831289	0.831289
	5.51268	21.361635		20.67255	21.361635	42.034185			24.117975	137.816999
1097.46	1117.98	1237.11	1152.6	1044.99	1191.21	1072.65	1198.41	1118.46	1115.61	1195.56
2.918776	2.903844	2.917712	2.940306	2.90275	2.926805	2.914809	2.937279	2.912656	2.845943	2.930294
1128	1152	1272	1176	1080	1224	1104	1224	1152	1176	1224
3	2.992207	3	3	3	3.007371	3	3	3	3	3
	0.24	0.93		0.9	0.93	1.83			1.05	6
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346

		8.158907	4.079453	16.625795	16.625795	20.782243			12.469346	12.469346
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		101.43196	410.542508	412.889561	442.541512	809.289733			501.513239	2856.81388
		3.525073	31.153324	38.809172	55.991776	48.659608			65.086119	362.944617
		101.43196	410.542508	412.889561	442.541512	809.289733			501.513239	2856.81388
		0.08	0.31	0.3	0.31	0.61			0.35	2
		97.906886	354.912462	361.611042	386.549735	760.630124			149.632155	2158.24775
		101.43196	383.93607	400.385207	442.541512	809.289733			166.303768	2458.89999
		0.06	0.03	0.12	0.12	0.15			0.09	0.059835
		0.24	0.87	0.87	0.93	1.83			0.36	5.192528
									467.781353	415.992607
									4.677813	8.319852
		0.24	0.93	0.9	0.93	1.83			1.05	6
		0.000623	0.002193	0.0025	0.002285	0.004972			0.002678	0.014705
		3.525073	31.153324	38.809172	55.991776	48.659608			65.086119	362.944617
		3.525073	31.153324	38.809172	55.991776	48.659608			65.086119	362.944617
			0.06	0.03					0.69	0.807471
			24.476721	12.469346					286.794964	335.621515
				0.01		0.02				0.02
		-3.525073	-31.153324	-38.809172	-55.991776	-48.659608			-65.086119	-362.94462
		-104.95703	-415.08939	-439.19438	-498.53329	-857.94934			-231.38989	-2821.8446
									0.04	0.02
		23.3377	100.0923	84.6868	91.9558	141.3747			136.7316	638.6609
		0.03	0.09	0.21	0.16	0.21			0.13	0.33
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
		0.24	0.93	0.9	0.93	1.83			1.05	6
		97.906886	379.389184	374.080389	386.549735	760.630124			436.42712	2493.86926
2.112081	1.554301	1.550449	5.913376	6.377324	5.520638	2.836373	3.527553	3.11175	3.982709	2.405344
0.012712	0.015294	0.01747	0.024066	0.045564	0.043039	0.032409	0.021652	0.026379	0.030589	0.025736
0.012404	0.014562	0.017429	0.023698	0.043338	0.041916	0.031489	0.020906	0.025385	0.030367	0.025529
526.5773	5251.09004	17336.0026	20574.9855	22165.1491	14008.3178	2419.19009	1877.234	11663.4047	54376.7922	49517.8307
2.11577	18.356762	51.910536	61.866212	72.505777	49.194021	9.767075	7.627662	38.704128	151.649124	148.274232

233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
0.022406	0.031197	0.033089	0.03079	0.037138	0.025833	0.031616	0.025441	0.038606	0.018443	0.032867
3324.8	4003.2	5314.3	6552.5	11155.7	12232.7	8343.8	6090.1	6983.8	8538	7495.2
31174.6874	45280.8923	76645.7169	48697.5662	91142.3369	82381.5672	98046.7105	39175.1436	55198.4227	87096.7396	105630.941
1.286111	0.818232	0.837105	2.384748	2.987726	1.926617	1.858447	1.54853	1.379032	2.201299	1.524749
60.68951	635.603324	1343.77376	3117.11218	2903.75178	3714.21581	191.893174	294.048951	1414.7856	5412.28462	3682.63743
18404.4	18641.5	20539	18961.4	17307.5	19869.7	17764.1	19871.4	18436.4	19291.9	19820.7
48.947872	48.41948	48.441037	48.370918	48.076388	48.819901	48.27201	48.704411	48.011458	49.21403	48.580147
18800	19200	21200	19600	18000	20400	18400	20400	19200	19600	20400
50	49.870129	50	50	50	50.12285	50	50	50	50	50
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
24.851146	18.993117	20.786417	46.978172	79.520416	51.006272	44.958365	32.029054	33.693625	61.61723	40.58166
18.24073	11.63473	11.889649	33.923088	42.674226	27.492856	26.464262	21.98957	19.578925	31.380426	21.697581
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
37372.4258	58903.9863	101654.567	55970.33	117927.138	109962.795	141902.465	49905.4484	71654.9679	120746.023	153331.166
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
37372.4258	58903.9863	101654.567	55970.33	117927.138	109962.795	141902.465	49905.4484	71654.9679	120746.023	153331.166
187.1	156.6	176.89	297.75	328.24	348.75	239.83	249.99	220.53	325.87	239.33
30751.7921	40096.3503	59384.3133	28323.8336	69308.2107	68608.2963	95807.8384	37439.4466	43701.544	32821.8635	56226.33
36699.9637	52203.2297	77915.8544	32438.939	89781.6176	91160.1712	138346.533	47507.4808	55688.8793	41380.7537	80115.9394
3.126349	2.062204	1.496089	5.057169	7.079143	7.060374	4.480675	5.327349	4.153772	3.504336	2.331648
228.865034	234.544943	274.163051	242.981738	574.353684	592.520953	565.789274	405.603646	387.554308	214.463472	262.299697
136.454338	138.279587	118.899145	96.55577	122.560879	95.075996	172.632204	75.845277	101.913773	129.074324	142.032621
5.458173	11.062367	10.700923	29.889783	41.655779	24.719759	18.989542	8.34298	17.298645	36.14081	24.145545
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
0.620212	0.726233	0.871462	1.184948	2.166944	2.100982	1.574456	1.045343	1.26927	1.518367	1.27647
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
4.334965	45.055056	95.336948	221.518261	205.746315	262.579046	13.610725	20.896353	99.845691	380.736527	258.500302
526.5773	5251.09004	17336.0026	20574.9855	22165.1491	14008.3178	2419.19009	1877.234	11663.4047	54376.7922	49517.8307
3.33	4.08	4.87	3.89	9.37	9.14	8.95	5.99	6.78	5.87	4.18
-6094.0564	-13556.546	-24934.251	-7071.5108	-26453.778	-27346.181	-43675.437	-10588.768	-16290.019	-33547.367	-47587.005
-42794.02	-65759.776	-102850.11	-39510.45	-116235.4	-118506.35	-182021.97	-58096.249	-71978.898	-74928.121	-127702.94
	0.23	0.42	1.32	1	0.5	0.05	0.1	0.75	2.98	1.83
1718.2054	2560.0795	4088.0265	4174.1695	7443.3664	7754.7846	4734.4047	3300.9246	4387.1826	6960.5309	5721.5845

0.1	0.04	0.01	0.26	0.25	0.14	0.1	0.12	0.1		0.02
74.482	23.332	5.833	176.668	214.654	105.268	64.992	82.384	86.96		11.9
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
31174.6874	45280.8923	76645.7169	48697.5662	91142.3369	82381.5672	98046.7105	39175.1436	55198.4227	87096.7396	105630.941
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
74.482	23.332	5.833	176.668	214.654	105.268	64.992	82.384	86.96		11.9
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
29.2	43.216	68.765999	24.585	116.369	129.779	115.326	59.153	79.566	101.916	101.32
	0.03	0.04	0.54	0.39	1.19		0.21	0.13	0.03	
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000211	0.000872		0.000815	0.000773	0.001603			0.000939	0.004803
	0.000208	0.000872		0.000805	0.000735	0.001603			0.000841	0.004803
		21.439812		16.662935					349.921636	351.375669
		0.060509		0.055018					0.888182	0.933034
	0.32	1.48		1.16	1.2	2.36			1.32	7.84
0.024521	0.03026	0.038962	0.031224	0.026333	0.019166	0.021793	0.024068	0.031588	0.040969	0.045563
	4.8	22.2		17.4	18	35.4			19.8	117.6
	123.192275	569.764272		455.503437	471.210452	926.713889			518.331497	3078.57495
	0.544539	0.272269		1.110862	1.110862	1.388577			0.833146	0.833146
	7.49712	34.67418		27.72168	28.6776	56.39928			31.54536	187.36032
1467.12	1489.52	1629.92	1519.04	1402.08	1600.72	1439.92	1592.72	1487.48	1503.76	1557.64
3.901914	3.868883	3.84415	3.875102	3.894666	3.932972	3.912826	3.903725	3.873645	3.836122	3.817745
1504	1536	1696	1568	1440	1632	1472	1632	1536	1568	1632
4	3.98961	4	4	4	4.009828	4	4	4	4	4
	0.32	1.48		1.16	1.2	2.36			1.32	7.84
	8.168087	4.084043		16.662935	16.662935	20.828668			12.497201	12.497201
	8.168087	4.084043		16.662935	16.662935	20.828668			12.497201	12.497201
	130.689395	604.438452		483.225117	499.888052	983.113169			549.876857	3265.93527
	135.242613	651.883456		533.872012	572.96532	1045.784			629.992744	3742.52391
	4.553218	47.445004		50.646895	73.077268	62.670833			80.115887	476.588635
	135.242613	651.883456		533.872012	572.96532	1045.784			629.992744	3742.52391
	0.08	0.37		0.29	0.3	0.59			0.33	1.96
	130.689395	582.998639		466.562181	499.888052	983.113169			199.95522	2914.5596

135.242613	629.511641	517.19954	572.96532	1045.784	221.738357	3318.98289				
0.08	0.039652	0.16	0.16	0.2	0.12	0.079742				
0.32	1.427503	1.12	1.2	2.36	0.48	6.996509				
	409.560262	417.073245			473.628191	445.103308				
	4.095602	4.170732			14.208845	13.353099				
0.32	1.48	1.16	1.2	2.36	1.32	7.84				
0.000831	0.00349	0.003222	0.002948	0.006413	0.003367	0.019215				
4.553218	47.445004	50.646895	73.077268	62.670833	80.115887	476.588635				
4.553218	47.445004	50.646895	73.077268	62.670833	80.115887	476.588635				
	0.052496	0.04			0.84	0.84349				
	21.439812	16.662935			349.921636	351.375669				
0.08	0.36	0.24	0.23	0.57	0.12	1.76				
-4.553218	-47.445004	-50.646895	-73.077268	-62.670833	-80.115887	-476.58864				
-139.79583	-676.95665	-567.84644	-646.04259	-1108.4548	-301.85425	-3795.5715				
	0.01	0.01			0.21	0.2				
23.3377	121.24	82.0314	88.7478	136.904	127.3581	625.388				
0.03	0.1	0.21	0.15	0.21	0.12	0.32				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				
0.32	1.48	1.16	1.2	2.36	1.32	7.84				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				

10.843981	10.895418	10.897735	10.571165	10.686088	10.729306	10.876054	10.831072	10.852693	10.853642	10.918136
0.364662	0.375147	0.374732	0.518014	0.455462	0.429924	0.375906	0.388544	0.372937	0.380972	0.348206
0.343834	0.356934	0.356617	0.491703	0.431036	0.404555	0.357287	0.362039	0.350672	0.362826	0.3243
291934.146	308942.068	340549.268	435276.327	353695.859	377091.276	303545.863	340618.156	311308.716	329740.026	308492.85
1246.21489	1148.44032	1066.36824	1361.13337	1217.31107	1402.46171	1289.04225	1459.03722	1250.57594	1085.70967	1055.63087
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
0.059042	0.05263	0.054174	0.052321	0.061888	0.053823	0.057173	0.061789	0.06052	0.047423	0.06946
79905.8788	84516.4289	93177.0395	116045.403	94223.908	100824.043	81016.1922	90925.6161	83102.9157	87680.3707	82109.8988
128492.349	135986.538	149861.365	194540.106	158367.194	168344.349	135746.306	152221.403	139069.396	147962.17	138298.065
3.574699	3.574699	3.5747	3.6495	3.649499	3.6495	3.649499	3.649499	3.649499	3.649499	3.649499
158589.198	167739.756	184928.47	233193.236	189342.943	202605.914	162802.038	182715.026	166995.309	176193.705	164999.842
20732.68	21318.094	23500.358	21769.314	19790.392	22621.944	20331.856	22431.494	21140.536	21881.826	22248.076

55.140106	55.371672	55.425372	55.533964	54.973311	55.582171	55.249608	54.979151	55.053479	55.820984	54.529598
22033.6	22502.4	24846.4	22971.2	21096	23908.8	21564.8	23908.8	22502.4	22971.2	23908.8
58.599999	58.447792	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
46.098181	45.596042	46.833466	43.766153	45.743821	44.549906	46.957196	46.164376	47.569788	45.654547	47.504701
39.398006	39.582674	39.590738	39.214019	39.629335	39.799356	40.331672	40.167713	40.247617	40.240503	40.481584
327394.062	339015.391	380794.633	470217.332	388954.795	410695.672	335088.092	378483.282	347919.426	360173.849	346947.99
370725.233	440760.018	521661.143	823378.383	656675.526	551167.227	498730.386	387534.837	379014.905	485789.363	445346.021
43331.1711	101744.627	140866.511	353161.052	267720.732	140471.555	163642.294	9051.555	31095.4785	125615.515	98398.031
370725.233	440760.018	521661.143	823378.383	656675.526	551167.227	498730.386	387534.837	379014.905	485789.363	445346.021
353.8	363.79	401.03	371.49	337.72	386.04	346.96	382.79	360.76	373.41	379.66
71.749531	4.947242		24.681583	106.691613	339.520552	164.722011	117.749645	42.939474		
114.496734	5.799369		40.086486	115.956477	406.696616	398.500177	235.309403	55.403595		
1.285353	0.120406		0.135696	0.982973	1.42892	2.016686	1.427712	1.018133		
1.733824	0.120406		0.678482	2.822331	9.059757	4.057167	2.799675	1.018133		
28.821267	29.712467	29.589304	48.775072	44.310781	30.177432	27.689113	23.561906	27.658122	27.49738	23.649515
24.190602	26.38919	24.855015	41.946562	38.096371	26.544974	23.530817	19.554485	23.231409	23.92272	18.919612
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
20.148728	20.86202	20.897797	28.813836	25.258761	23.765203	20.937054	21.215529	20.549401	21.261617	19.004034
1564.36827	57567.8894	92162.8722	292504.12	218469.895	87770.8281	121295.13	-38475.265	-12342.416	79784.9849	55479.1869
1564.36827	57567.8894	92162.8722	292504.12	218469.895	87770.8281	121295.13	-38475.265	-12342.416	79784.9849	55479.1869
7574.18818	8031.75759	8860.666	11294.3455	9090.33167	9663.37824	7700.77883	8653.13632	7889.95187	8334.554	7753.646
291934.146	308942.068	340549.268	435276.327	353695.859	377091.276	303545.863	340618.156	311308.716	329740.026	308492.85
0.05				0.01	0.01	0.07	0.08			
-43331.171	-101744.63	-140866.51	-353161.05	-267720.73	-140471.56	-163642.29	-9051.555	-31095.478	-125615.51	-98398.031
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17.05	24.14	19.51	18.56	18.78	20.59	21.34	21.46	20.8	21.24	21.15
74483.503	88654.7122	115505.947	107094.726	88921.3026	94031.7307	73802.6933	80920.2638	81817.1691	103357.843	100417.932
1.53	1.3	1.74	1.48	1.49	1.41	1.33	1.6	1.55	1.29	1.63
35388.1656	30068.376	40245.3648	34916.3234	35152.2445	33264.8757	31377.5068	37747.3766	36567.7711	30433.8224	38455.14
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
287081.547	303726.294	334789.835	427733.342	347710.137	370950.263	298548.345	334936.429	306064.705	324155.875	303297.907
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646

35388.1656	30068.376	40245.3648	34916.3234	35152.2445	33264.8757	31377.5068	37747.3766	36567.7711	30433.8224	38455.14
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
4924.3493	5220.7207	5759.4329	7567.66608	6092.41318	6480.53346	5162.24012	5799.47712	5286.9499	5584.15118	5194.94282
0.07	0.01			0.01	0.05	0.17	0.07	0.06		
1.65	1.35	1.65	4.35	5.55	5.25	2.7	2.4	2.55	3.9	1.95
0.011098	0.012528	0.01599	0.016184	0.039014	0.038326	0.030167	0.018087	0.024306	0.02751	0.02345
0.01101	0.012369	0.015801	0.015892	0.037527	0.036764	0.028559	0.01772	0.023958	0.02727	0.023161
18.911694	715.508823	2033.68299	2573.93078	3486.17805	2073.87119	248.457448	300.219963	2195.2087	10921.5309	10011.5601
0.076188	2.427511	6.244443	7.868661	11.505391	7.286316	1.0079	1.205852	6.963133	29.588499	29.33057
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
0.034787	0.027421	0.029481	0.022857	0.028861	0.029754	0.031195	0.034338	0.030312	0.022117	0.031642
869.4	997.5	1407	1308.3	2837.1	3150	2207.1	1518.3	1932	2244.9	1984.5
8047.68215	11924.4192	20786.0906	9362.74019	23814.1944	21272.4389	25579.7818	9691.68967	15295.4031	22920.3715	28519.718
0.985227	0.703347	0.835791	1.640404	2.660378	1.731369	1.66988	0.905779	1.121844	2.094234	1.242433
2.314728	98.513334	150.491779	394.067403	461.210209	758.476051	19.849488	42.808966	248.376249	1076.84142	726.363101
5080.88	5228.58	5761	5362.56	4894.54	5542.04	4991.28	5515.86	5213.04	5366.62	5531.26
13.512978	13.580727	13.587264	13.68	13.595944	13.616805	13.56326	13.519264	13.575625	13.690357	13.557009
5264	5376	5936	5488	5040	5712	5152	5712	5376	5488	5712
14	13.963636	14	14	14	14.034398	14	14	14	14	14
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
14.864344	10.574404	12.818125	25.260244	40.098527	26.407622	25.170153	13.705426	16.863356	31.413523	18.642965
14.864344	10.574404	12.818125	25.260244	40.098527	26.407622	25.170153	13.705426	16.863356	31.413523	18.642965
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
9526.37078	15380.0918	27005.8657	10827.7788	30367.6477	28088.2025	36956.388	12267.9834	19515.2876	31586.8964	40910.9557
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
9526.37078	15380.0918	27005.8657	10827.7788	30367.6477	28088.2025	36956.388	12267.9834	19515.2876	31586.8964	40910.9557
99.74	68.44	104.79	154.77	179.51	181.6	129.95	126.24	120.85	163.82	140.98
8060.27045	11219.4104	18773.4076	6935.80941	20380.5163	19282.5677	25394.3244	9443.9697	13142.1944	11998.8406	18518.6579
9502.61489	14459.3349	24248.1354	7891.93463	26008.1212	25435.5615	36549.6431	11916.2471	16614.8442	15515.0339	26156.5166
1.539216	1.09765	1.079438	3.012036	4.119397	3.980525	2.517113	2.236017	2.323772	2.808817	1.651194
57.805684	59.932444	83.767214	60.948839	158.392652	159.434929	145.8167	98.366068	112.241583	77.870572	83.875793
122.563836	159.391545	117.012015	109.026982	154.11017	85.676741	221.870381	93.202019	132.210938	123.576258	165.186188
1.225638	7.969577	10.385019	21.47104	33.904237	10.238893	4.437407	2.79606	10.576875	30.894064	18.17048
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3

0.154148	0.172727	0.221226	0.2225	0.525388	0.51597	0.399836	0.248088	0.335416	0.381785	0.324264
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
0.154315	6.567555	10.032785	26.27116	30.747347	50.56507	1.323299	2.853931	16.558416	71.789427	48.424206
18.911694	715.508823	2033.68299	2573.93078	3486.17805	2073.87119	248.457448	300.219963	2195.2087	10921.5309	10011.5601
2.13	1.6	1.87	3.37	4.45	4.05	2.98	3.19	3.45	2.36	1.89
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	0.08	0.19	0.79	0.61	0.25		0.12	0.35	1.48	0.78
975.3474	1320.7985	2143.651	2018.4483	3958.8117	4167.4731	2453.2574	1756.0709	2485.6018	3728.5646	2980.4022
0.03	0.01	0.02	0.14	0.05	0.08	0.06	0.05	0.04		0.01
31.5	10.5	21	147	52.5	84	63	52.5	42		10.5
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
8047.68215	11924.4192	20786.0906	9362.74019	23814.1944	21272.4389	25579.7818	9691.68967	15295.4031	22920.3715	28519.718
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
31.5	10.5	21	147	52.5	84	63	52.5	42		10.5
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
	0.02	0.01	0.13	0.34	0.8	0.01	0.04	0.05	0.01	

11.378065	11.421864	11.425592	11.102046	11.236488	11.291149	11.429978	11.369009	11.396187	11.404928	11.462207
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1393582.39	1497485.84	1768534.28	2145331.42	1750034.82	1789482.53	1342119.69	1552568.74	1527181.23	1783564.84	1747885.64
5931.34729	5559.50536	5524.79436	6699.26495	5999.12148	6624.8678	5682.78054	6635.34494	6106.66389	5810.09948	5931.26543
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
0.032011	0.035378	0.034322	0.03121	0.036469	0.031532	0.034829	0.031564	0.035369	0.034626	0.038816
431188.083	435667.099	490765.585	570220.559	485444.733	528393.37	425338.52	484255.669	446532.701	464188.985	458648.175
794505.466	811737.47	966696.755	1173292.71	1063073.64	1073643.81	945786.837	911531.357	881008.096	998437.661	1032586.99
3.437335	3.437739	3.463447	3.601781	3.644548	3.541167	3.625443	3.497217	3.520259	3.598838	3.604118
735970.142	748522.648	839793.559	967988.735	807781.848	883653.404	718673.269	827454.488	757399.137	785206.036	780722.888
1236.10578	3643.67588	7849.18091	20632.5858	14641.2751	12509.0389	1851.53897	2564.07498	7176.27056	18840.8082	13590.4799
133219.465	135278.979	150178.683	138796.149	126739.837	144242.494	129552.721	144111.384	135448.536	138925.291	143711.016
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38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
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1646290.08	1672936.26	1935644.07	2292615.07	2006065.79	2095470.07	1783176.23	1873442.99	1764979.97	1906805.79	1943296.55
1772995.72	1998763.14	2467951.33	3659527.86	3083545.44	2715665.71	2400000.03	1850349.77	1833930.53	2369086.94	2406672.13
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1491.94	1439.58	1639.42	1807.3	1747.33	1908.95	1570.65	1708.8	1599.01	1836.02	1700.53
203831.193	128143.064	111726.813	96979.3697	206323.91	257645.553	392344.073	266370.826	184742.972	77368.3263	139685.477
312516.345	194388.74	156112.24	119512.783	296672.843	383600.265	734192.452	388899.661	270309.922	99930.6995	206194.091
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3164.08299	1400.25302	608.478041	918.988686	2183.85363	3460.66237	4884.79563	4791.05755	2710.34765	636.410117	824.644097
29.75263	32.011803	33.862541	51.903458	49.366261	39.133245	30.506511	27.518447	30.803132	41.252833	34.953939
29.726272	31.990223	33.837601	51.7959	49.354155	39.105526	30.487903	27.494692	30.77885	41.252347	34.953253
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
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-91895.236	104354.988	283564.128	1084380.86	841284.45	361587.39	406702.774	-265246.44	-153158.43	232944.466	235269.106
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1393582.39	1497485.84	1768534.28	2145331.42	1750034.82	1789482.53	1342119.69	1552568.74	1527181.23	1783564.84	1747885.64
36.9	25.11	11.5	24.61	35.37	39.96	47.07	47.01	30.09	16.56	17.42
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314.91	346.41	409.42	362.79	314.37	340.04	299.2	326.6	333.85	372.48	387.17
246656.266	285899.329	381540.947	360201.323	306157.329	320724.587	246839.295	269383.159	273351.574	345136.637	340164.384
3.81	3.9	4.25	4.43	4.8	4.46	4.66	4.21	4.05	3.88	5.06
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03
1530475.61	1560260.12	1806490.31	2141281.44	1870855.49	1957297.22	1664460.11	1738985.84	1638407.23	1783643.7	1813309.88
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03

66703.6607	65285.8869	73679.7837	100443.89	84965.9647	89432.4312	69692.8039	79682.4832	73306.202	77229.4724	74189.757
23.96	12.31	2.78	4.58	9.9	27.93	21.59	33.98	19.66	2.85	2.95
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
2365.26244	2958.44535	4229.15634	4582.60342	3397.03652	2874.14562	1772.65177	1974.69672	2510.10233	3501.09015	3512.8958
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
314.53	345.8	409.27	361.83	313.96	339.18	298.82	326.38	333.75	372.15	387.18
181.1363	209.761946	261.74832	243.682962	235.988196	200.420294	170.370784	178.129251	234.164501	281.286722	271.395079
94.612252	118.280867	160.45905	128.89113	124.428397	106.187235	84.810098	89.270156	105.301611	155.772342	152.69463
31623.9925	43467.7397	67231.2134	48609.0563	41537.7898	39280.6496	27389.5653	31399.7827	37549.2355	59861.9027	61214.1177
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
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-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
-30.281535	-31.983977	-33.378859	-50.081937	-45.488163	-37.308026	-34.933623	-27.619567	-29.494024	-32.922729	-31.794516
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
3251084.23	4124754.44	5919288.3	7763163.45	5803098.72	4899303.55	3452320.96	3108926.44	3507413.01	5060772.17	4896971.32
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
2365.26244	2958.44535	4229.15634	4582.60342	3397.03652	2874.14562	1772.65177	1974.69672	2510.10233	3501.09015	3512.8958
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
314.53	345.8	409.27	361.83	313.96	339.18	298.82	326.38	333.75	372.15	387.18
181.1363	209.761946	261.74832	243.682962	235.988196	200.420294	170.370784	178.129251	234.164501	281.286722	271.395079
94.612252	118.280867	160.45905	128.89113	124.428397	106.187235	84.810098	89.270156	105.301611	155.772342	152.69463

31623.9925	43467.7397	67231.2134	48609.0563	41537.7898	39280.6496	27389.5653	31399.7827	37549.2355	59861.9027	61214.1177
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
-235.83627	-268.87069	-320.94745	-320.04946	-292.59465	-270.53971	-236.62593	-234.26791	-251.17197	-304.19773	-293.88173
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
-30.281535	-31.983977	-33.378859	-50.081937	-45.488163	-37.308026	-34.933623	-27.619567	-29.494024	-32.922729	-31.794516
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
3251084.23	4124754.44	5919288.3	7763163.45	5803098.72	4899303.55	3452320.96	3108926.44	3507413.01	5060772.17	4896971.32
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2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
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212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
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88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
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212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
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7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
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239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549

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0.23	0.17	0.3	0.02	0.36	0.07	0.14	0.41	0.4	0.11	0.46
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979

2436.97526 2798.0301 3789.32467 3641.94062 3426.26364 4015.60487 4076.12049 3409.85834 3925.58088 4008.00174 3988.70273
72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957

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72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957
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2436.97526 2798.0301 3789.32467 3641.94062 3426.26364 4015.60487 4076.12049 3409.85834 3925.58088 4008.00174 3988.70273
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72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957

4194.01455 3891.72687 4055.50602 4403.7818 2768.36443 4366.1577 4465.08298 3801.67879 3705.97524 3124.76306 3211.31465
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88674.4392	103515.216	136081.719	124657	105334.075	110109.662	87078.3432	95494.0391	96295.3849	117562.733	118030.122
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124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554
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21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
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21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
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21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
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354697.757	414060.862	544326.874	501035.161	421336.299	440438.646	347246.275	382237.962	385645.494	475299.268	477741.353
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648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77
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2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
1960367.65	2305066.08	3147722.97	3629669.73	2761891.83	2579353.08	1768517.24	2021418.99	2189236.96	2886781.79	2810133.23
8296.60972	8517.95071	9753.9507	11281.8684	9396.158	9499.01342	7455.43231	8610.04167	8616.76621	9311.18963	9444.16123
-28459.909	-42067.487	-66622.735	-47690.068	-39353.936	-35819.987	-22504.77	-26608.725	-34838.888	-59225.493	-60389.474
0.032011	0.035378	0.034322	0.03121	0.036469	0.031532	0.034829	0.031564	0.035369	0.034626	0.038816
431188.083	435667.099	490765.585	570220.559	485444.733	528393.37	425338.52	484255.669	446532.701	464188.985	458648.175
794505.466	811737.47	966696.755	1173292.71	1063073.64	1073643.81	945786.837	911531.357	881008.096	998437.661	1032586.99
3.437335	3.437739	3.463447	3.601781	3.644548	3.541167	3.625443	3.497217	3.520259	3.598838	3.604118
735970.142	748522.648	839793.559	967988.735	807781.848	883653.404	718673.269	827454.488	757399.137	785206.036	780722.888
1236.10578	3643.67588	7849.18091	20632.5858	14641.2751	12509.0389	1851.53897	2564.07498	7176.27056	18840.8082	13590.4799
133219.465	135278.979	150178.683	138796.149	126739.837	144242.494	129552.721	144111.384	135448.536	138925.291	143711.016
354.307087	351.373971	354.195007	354.071808	352.055102	354.404162	352.045437	353.214176	352.730562	354.401252	352.232882
138029.6	140966.4	155650.4	143903.2	132156	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.099999	366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
184.6954	201.597876	192.742532	233.48669	349.227707	295.994705	303.090167	197.397163	199.741222	299.945923	255.967427
40.669833	40.797732	41.104546	41.64144	42.57047	41.644957	42.974904	41.408911	41.733189	42.615545	42.873361
1646290.08	1672936.26	1935644.07	2292615.07	2006065.79	2095470.07	1783176.23	1873442.99	1764979.97	1906805.79	1943296.55
1772995.72	1998763.14	2467951.33	3659527.86	3083545.44	2715665.71	2400000.03	1850349.77	1833930.53	2369086.94	2406672.13
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
126705.645	325826.877	532307.253	1366912.79	1077479.64	620195.637	616823.802	-23093.228	68950.5509	462281.157	463375.582
2421450.13	2695502.98	3307324.9	4903543.16	4067269.59	3692964.13	3324888.93	2550791.7	2444892.06	2945859.44	2970207.9
1491.94	1439.58	1639.42	1807.3	1747.33	1908.95	1570.65	1708.8	1599.01	1836.02	1700.53
203831.193	128143.064	111726.813	96979.3697	206323.91	257645.553	392344.073	266370.826	184742.972	77368.3263	139685.477
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59

314.53	345.8	409.27	361.83	313.96	339.18	298.82	326.38	333.75	372.15	387.18
181.1363	209.761946	261.74832	243.682962	235.988196	200.420294	170.370784	178.129251	234.164501	281.286722	271.395079
7.884354	7.392554	10.02869	10.740927	7.776774	6.636702	5.300631	7.439179	8.775134	9.735771	9.543414
31,623.99	43,467.74	67,231.21	48,609.06	41,537.79	39,280.65	27,389.57	31,399.78	37,549.24	59,861.90	61,214.12
312516.345	194388.74	156112.24	119512.783	296672.843	383600.265	734192.452	388899.661	270309.922	99930.6995	206194.091
3.349475	1.425302	0.621053	2.6715	3.085239	3.440732	3.223334	4.32386	3.191346	1.193044	0.927753
3,164.08	1,400.25	608.48	918.99	2,183.85	3,460.66	4,884.80	4,791.06	2,710.35	636.41	824.64
29.749495	32.041039	33.857561	51.880854	49.319185	39.120861	30.511989	27.600245	30.791438	41.238811	34.889556
29.723171	32.019458	33.832621	51.773301	49.307093	39.093142	30.493412	27.576588	30.768087	41.238325	34.888887
-28459.909	-42067.487	-66622.735	-47690.068	-39353.936	-35819.987	-22504.77	-26608.725	-34838.888	-59225.493	-60389.474
-75.691248	-109.2662	-157.12909	-121.65834	-109.31649	-88.009796	-61.154265	-65.217463	-90.72627	-151.08544	-148.01342
-2127739.8	-2516079.4	-3417161.9	-3950429	-2966233.1	-2770547.2	-1694331.7	-2204880.7	-2387554.2	-3147838.3	-3035918.9
-23.993173	-24.308141	-25.114474	-31.472752	-28.150079	-25.158777	-19.421633	-23.074339	-24.751303	-26.357275	-25.344451
-2127739.8	-2516079.4	-3417161.9	-3950429	-2966233.1	-2770547.2	-1694331.7	-2204880.7	-2387554.2	-3147838.3	-3035918.9
57050.4467	60047.4758	68850.5052	76850.3305	63796.2849	70829.0119	59688.7779	64181.525	58900.801	59383.6088	58689.6261
1393582.39	1497485.84	1768534.28	2145331.42	1750034.82	1789482.53	1342119.69	1552568.74	1527181.23	1783564.84	1747885.64
1909138.91	2294607.48	3168418.78	3667897.04	2730037.93	2511938.94	1484210.71	1962727.49	2165445.2	2918501.56	2807812.37
2163407.83	2907798.98	4391495.23	5032722.57	3445222.09	2918209.23	1176415.81	2042678.07	2557191	3921787.81	3663865.87
690028.462	803475.407	1061949.54	986695.87	832827.702	871272.895	681163.913	747202.428	755447.105	939681.416	937809.48
3.81	3.9	4.25	4.43	4.8	4.46	4.66	4.21	4.05	3.88	5.06
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
1530475.61	1560260.12	1806490.31	2141281.44	1870855.49	1957297.22	1664460.11	1738985.84	1638407.23	1783643.7	1813309.88
60214.5297	61447.7288	69458.9832	77769.3192	65980.1386	74289.6743	64573.5735	68972.5825	61611.1486	60020.0189	59514.2702
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
66703.6607	65285.8869	73679.7837	100443.89	84965.9647	89432.4312	69692.8039	79682.4832	73306.202	77229.4724	74189.757
21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77

2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03	2037-04	2037-05	2037-06	2037-07
27.519864	30.519846	32.119869	33.529924	51.234745	46.704708	37.944648	35.834771	28.324719	29.574729	32.75476
20.725749	20.725787	20.725774	20.725812	21.139524	21.139574	21.13965	21.139549	21.139574	21.13965	21.139562
27.393982	30.393971	31.993984	33.404017	51.10688	46.576858	37.816822	35.706895	28.196864	29.44687	32.626889
27.490814	30.490798	32.090818	33.500868	51.205238	46.675204	37.91515	35.805261	28.295214	29.545223	32.725251
26.764569	29.764596	31.364563	32.774483	50.467552	45.937606	37.177692	35.067515	27.557591	28.807576	31.987531
27.045384	30.045394	31.645382	33.055352	50.752791	46.222811	37.462842	35.352777	27.842805	29.092799	32.272783
27.471448	30.471432	32.071452	33.481498	51.185566	46.655535	37.895484	35.785588	28.275544	29.525552	32.705579
27.510181	30.510163	32.110185	33.520239	51.22491	46.694873	37.934815	35.824934	28.314884	29.564894	32.744924

26.178358	26.178358	26.178358	26.178358	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925
1.64	1.64	1.64	1.64	1.69	1.69	1.69	1.69	1.69	1.69	1.69
27.21	30.21	31.81	33.22	50.92	46.39	37.63	35.52	28.01	29.26	32.44
5.838418	5.924972	6.891573	7.681743	7.739256	7.759294	6.936781	6.320361	5.951719	5.967828	6.016632
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
0.13894	0.27788	0.27788	0.41682		0.41682	0.55576	0.41682	0.13894	0.13894	0.13894
0.003101	0.0026	0.012959	0.009343		0.000808	0.000576	0.006594	0.000125	0.000048	0.001158
0.003101	0.0026	0.012435	0.008095		0.000808	0.000566	0.006594	0.000125	0.000048	0.001158
91.952029		20697.9449	12595.4481		330.641896		317.746833			847.694123
0.275931		73.690333	39.469903		1.001204		1.201152			2.465598
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
0.037526	0.028138	0.031153	0.034693	0.035465	0.037727	0.031122	0.027826	0.032004	0.026847	0.025558
372.3592	305.668	1617.2616	992.0316		88.9216	69.47	758.612399	16.6728	5.5576	136.1612
9747.75261	8001.88647	42337.2539	25969.7588		2374.37795	1854.98277	20256.4119	445.195865	148.398621	3635.76623
0.277683	0.555367	0.555367	0.83305		0.849957	1.133277	0.849957	0.283319	0.283319	0.283319
592.051128	486.01212	2571.44594	1577.33024		144.942208	113.2361	1236.53821	27.176664	9.058888	221.942756
8315.775	8221.95	9068.4	8514	8854.425	7621.2	8545.5	8049.6	9234.675	8057.7	8243.775
21.655664	21.866888	21.746762	21.719387	21.702022	21.651136	21.855498	21.873913	21.779893	21.895923	21.924933
8640	8460	9360	8820	9180	7920	8820	8280	9540	8280	8460
22.5	22.5	22.446043	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
3.873035	7.769807	7.748435	11.620916		12.233203	15.927603	11.854913	3.951637	3.951637	3.951637
3.873035	7.769807	7.748435	11.620916		12.233203	15.927603	11.854913	3.951637	3.951637	3.951637
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
13014.1013	9842.8205	65466.0329	42582.8075		3005.06472	2257.72303	29349.9261	505.290807	161.935919	4634.63097
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979

13014.1013	9842.8205	65466.0329	42582.8075		3005.06472	2257.72303	29349.9261	505.290807	161.935919	4634.63097
14.2	9.13	11.47	14.13	9.65	15.02	11.37	14.12	10.68	12.7	14.84
10287.7837	8532.54649	24396.0588	15069.8948		2222.61686	1987.92417	21258.1953	474.196529	158.065509	3024.91087
12911.587	9842.8205	35457.6277	22490.98		2629.63315	2257.72303	28914.6357	505.290807	161.935919	3679.36422
0.198228	0.4	0.342058	0.382882		0.580149	0.8	0.592755	0.2	0.2	0.196277
26.562584	22	62.989501	38.879132		5.563278	5	53.795911	1.2	0.4	7.654828
387.303572		390.631382	394.928941		395.163774		395.163774			403.977774
3.873035		7.812627	7.898578		3.951637		3.951637			4.039777
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
0.069791	0.05851	0.279136	0.182142		0.018181	0.012787	0.148369	0.00283	0.001086	0.026063
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979
0.237415		53.410498	32.520867		0.836721		0.804088			2.145171
91.952029		20697.9449	12595.4481		330.641896		317.746833			847.694123
0.2	0.32	0.46	0.09		0.07	0.09	0.33	0.04	0.02	0.17
-2634.3656	-1310.274	-20372.029	-14917.465		-451.80596	-269.79886	-7773.984	-31.094278	-3.870409	-762.02598
-15545.953	-11153.095	-55829.657	-37408.445		-3081.4391	-2527.5219	-36688.62	-536.38509	-165.80633	-4441.3902
		0.23	0.11							0.05
336.764	243.4024	1581.1275	1131.4251		102.3585	72.196	667.2622	15.0494	6.7669	161.8106
	0.01	0.01	0.01		0.02	0.01				
	11.8679	11.8679	11.8679		24.2106	12.1053				
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
10339.8037	8487.89859	44908.6998	27547.0891		2519.32016	1968.21887	21492.9501	472.372529	157.457509	3857.70899
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
	11.8679	11.8679	11.8679		24.2106	12.1053				
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
39.932	32.78	173.436	106.386		9.728	7.6	82.992	1.824	0.608	14.896
2.63732	1.31866	1.03609	0.941899	5.18045	4.61531	3.95598	3.20246	2.44894	2.73151	4.05017
0.059582	0.042271	0.027883	0.032606	0.12795	0.12455	0.099805	0.06844	0.079911	0.069465	0.079984
0.058177	0.041914	0.027187	0.031989	0.12549	0.120994	0.096683	0.065652	0.077382	0.06769	0.076037
33284.6545	26616.8395	56111.2882	105564.519	246901.534	166684.071	73784.6494	15836.8474	23122.8631	43010.3764	123553.314
121.540079	108.163292	195.725345	321.710659	747.324933	532.657933	260.4272	63.13545	94.874955	144.923152	371.415347
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22

0.03276	0.029042	0.025264	0.023469	0.022107	0.028806	0.030127	0.030516	0.029834	0.029483	0.033164
12204.3867	8609.71952	6178.67562	6850.62708	27970.6624	23267.0022	20704.8458	13198.6563	17924.1686	13608.3828	15618.7742
109264.71	130317.971	152846.183	136223.463	287265.004	231729.203	166264.266	118205.361	137160.667	95180.3732	133284.831
2.039706	1.508403	1.916432	1.594325	3.991849	3.704082	2.828467	2.516733	1.800828	1.879588	2.940367
3432.34769	1558.93728	2616.69495	5369.52643	21668.3737	15242.558	8355.27993	1546.70755	2809.83458	5597.05186	13211.8048
21542.36	21174.64	23518.42	22202.4	23140.84	19827.88	22051.02	20692.66	23858.3	20714.7	21084.74
56.099895	56.315531	56.399088	56.638775	56.717745	56.329204	56.39647	56.230054	56.269575	56.289945	56.076436
22272	21808	24128	22736	23664	20416	22736	21344	24592	21344	21808
58	58	57.860911	58	58	58	58.148337	58	58	58	58
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
22.191201	15.767055	19.233584	16.161872	43.747898	40.163043	31.322294	27.375149	19.750197	20.851157	32.293862
22.191201	15.767055	19.233584	16.161872	43.747898	40.163043	31.322294	27.375149	19.750197	20.851157	32.293862
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
193967.75	192665.048	217504.091	221419.263	408031.363	382083.047	283224.976	279313.376	269887.873	176804.445	223926.312
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
193967.75	192665.048	217504.091	221419.263	408031.363	382083.047	283224.976	279313.376	269887.873	176804.445	223926.312
120.89	110.52	96.15	103.58	237.67	192.59	175	128.02	125.87	130.44	215.89
89597.3472	113278.466	103600.719	38250.3421	72238.0907	91465.5639	115947.159	117369.609	134361.936	67610.3745	27430.9299
142310.692	156185.05	140770.117	59259.0772	91776.2084	134699.224	172463.64	246181.832	227554.773	107199.188	38794.1202
12.984201	6.599934	4.634354	1.792441	10.741427	14.690407	16.929864	17.323889	13.055859	12.012385	5.316115
931.313196	748.570149	378.169727	157.24606	669.103803	851.942262	1311.13344	1237.06856	1604.66441	850.550053	255.544052
76.686236	123.010604	180.482398	165.426164	89.845531	88.455421	81.160541	85.047064	78.295232	75.480009	81.204962
19.144058	15.944421	19.853063	16.542616	45.731968	41.569537	30.023374	22.087928	18.790125	21.089084	34.91502
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
3.37427	2.431063	1.573093	1.855408	7.278431	7.01767	5.621994	3.807826	4.48816	3.926032	4.410159
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
364.406803	165.50985	277.810272	570.073939	2300.4962	1618.27774	887.06656	164.211439	298.315594	594.229946	1402.67595
33284.6545	26616.8395	56111.2882	105564.519	246901.534	166684.071	73784.6494	15836.8474	23122.8631	43010.3764	123553.314
8.78	8.27	4.86	2.42	15.23	10.64	12.47	7.4	9.57	6.97	4.71
-71085.748	-52769.743	-57792.084	-77604.402	-88891.739	-123933.41	-93493.168	-146106.92	-112403.07	-66183.694	-72942.068
-213396.44	-208954.79	-198562.2	-136863.48	-180667.95	-258632.64	-265956.81	-392288.75	-339957.85	-173382.88	-111736.19
1.67	0.98	1.32	3.04	17.65	7.83	3.29	0.39	0.57	2.55	9.24
5533.1273	3758.3635	3120.0756	4099.0032	16808.4864	13152.8393	10461.5488	5835.1042	7818.7404	6669.9555	9453.9913
0.26	0.13	0.08	0.05	0.66	0.38	0.26	0.24	0.24	0.2	0.19

141.804	70.902	43.632	27.27	367.1646	211.3978	144.6406	133.5144	133.5144	111.262	105.6989
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
109264.71	130317.971	152846.183	136223.463	287265.004	231729.203	166264.266	118205.361	137160.667	95180.3732	133284.831
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
141.804	70.902	43.632	27.27	367.1646	211.3978	144.6406	133.5144	133.5144	111.262	105.6989
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
13475.488	9506.432	6822.192	7564.128	31507.456	26209.0342	23322.902	14867.5808	20190.6178	15329.1158	17593.7142
0.57		0.05	0.01	0.86	1.1	1.51	0.65	0.34	0.33	0.07
11.347277	11.342577	11.415699	11.377603	11.080499	11.165132	11.21547	11.274424	11.34877	11.303063	11.270715
0.504886	0.503957	0.472994	0.498479	0.64517	0.591825	0.567724	0.529169	0.499592	0.519326	0.531592
0.488346	0.486537	0.456767	0.481818	0.62357	0.570527	0.550751	0.510937	0.480216	0.501371	0.511525
813447.508	796651.197	895617.208	899272.315	1205077.71	949700.557	981346.379	778322.73	888642.5	825986.043	926517.803
3506.72968	3345.59734	3253.70932	2786.33012	3713.89931	3074.55758	3605.2663	3251.59407	3730.82169	3291.84002	3029.28616
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
0.034218	0.035292	0.036442	0.034413	0.034803	0.033693	0.031275	0.034565	0.039433	0.036358	0.037898
232900.047	227347.22	237851.743	234988.319	307957.935	245252.102	264740.033	232323.007	253149.06	228376.945	237392.232
387340.141	377953.643	394389.276	390153.277	529097.194	420177.144	453850.394	397803.625	433649.451	391795.808	408243.472
3.6364	3.6364	3.6364	3.6364	3.710999	3.711	3.711	3.711	3.711	3.711	3.711
464961.654	453875.991	474847.219	469130.68	622382.987	495654.498	535039.607	469524.796	511614.25	461549.806	479769.701
41165.46	40263.03	44493.24	42014.61	43711.8	37755.54	42151.14	39436.08	45208.08	39362.82	40154.25
107.201718	107.082526	106.698417	107.180127	107.136764	107.260056	107.803427	107.16326	106.62283	106.964184	106.793218
42624	41736	46176	43512	45288	39072	43512	40848	47064	40848	41736
111	111	110.733812	111	111	111	111.283887	111	111	111	111
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
43.807937	43.759904	44.061327	43.863914	43.533592	43.880936	44.104696	44.339153	44.768405	44.489823	44.348006
43.235445	43.217523	43.492166	43.349243	43.123678	43.441062	43.628339	43.85001	44.127333	43.954344	43.831264
903766.538	881646.347	921358.546	910416.617	1219101.2	969401.867	1046940.75	918432.62	1003861.31	904511.699	940735.353
864922.712	921907.736	1108725.78	1078595.74	1901982.65	1447692.77	1268958.29	1098647.99	977869.122	868102.989	1006517.41
-38843.826	40261.3889	187367.23	168179.125	682881.455	478290.907	222017.54	180215.371	-25992.187	-36408.71	65782.0579
864922.712	921907.736	1108725.78	1078595.74	1901982.65	1447692.77	1268958.29	1098647.99	977869.122	868102.989	1006517.41
370.86	362.73	400.84	378.51	393.8	340.14	379.74	355.28	407.28	354.62	361.75
80434.9305	75741.9499	15752.0874	1891.10224	3941.98406	11550.3102	56370.871	131529.889	102670.56	69087.6559	4994.05031
170660.763	186076.053	56173.1241	4675.063	7695.19712	26878.6936	105979.73	316542.728	227994.094	127020.451	8934.14403

13.941688	13.471866	6.185109	2.184222	5.02284	8.22885	15.111576	22.249169	14.731899	13.523517	3.708038
1928.71601	1818.94757	378.845725	45.691584	94.104077	274.993728	1335.86492	3113.35079	2419.60904	1623.89252	116.25432
19.30586	20.749903	22.670472	26.411103	45.42712	34.428696	27.70057	22.792699	19.008887	22.585772	25.948306
19.288148	20.728381	22.666569	26.410275	45.424685	34.424149	27.677366	22.73492	18.983284	22.551193	25.946533
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
54.20651	54.005648	50.57964	53.481857	69.216303	63.328534	61.289754	56.714054	53.304037	55.652288	56.779377
-160580.68	-78573.003	63042.1243	45350.7311	521911.842	350097.633	83637.9242	58780.1359	-158313.2	-155781.34	-58302.862
-160580.68	-78573.003	63042.1243	45350.7311	521911.842	350097.633	83637.9242	58780.1359	-158313.2	-155781.34	-58302.862
18886.584	18487.1764	20712.8643	20919.1964	28146.1479	22016.6503	22628.4291	17757.4212	20181.303	18856.1495	21232.7917
813447.508	796651.197	895617.208	899272.315	1205077.71	949700.557	981346.379	778322.73	888642.5	825986.043	926517.803
18.16	18	7.96	1.93	3.85	6.49	15.25	18.14	12.54	11.52	3.01
38843.826	-40261.389	-187367.23	-168179.13	-682881.45	-478290.91	-222017.54	-180215.37	25992.1873	36408.71	-65782.058
-131816.94	-226337.44	-243540.35	-172854.19	-690576.65	-505169.6	-327997.27	-496758.1	-202001.91	-90611.741	-74716.202
304.47	299.98	362.97	353.61	328.84	280.22	299.75	272.98	328.19	289.97	316.04
83962.6096	84320.8992	107658.328	119616.442	124750.741	102738.387	100797.762	82586.3188	94235.8927	87033.3628	107658.875
0.94	0.88	0.95	0.88	0.94	0.76	0.86	0.8	1.17	0.88	0.86
9884.1	9253.2	9989.25	9253.2	10081.5	8151	9223.5	8580	12548.25	9438	9223.5
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
852301.795	831829.634	869236.496	859283.957	1151480.18	915831.642	988890.001	867328.422	945263.702	853345.613	888013.172
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
9884.1	9253.2	9989.25	9253.2	10081.5	8151	9223.5	8580	12548.25	9438	9223.5
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
41580.6433	40563.5133	42132.7999	41879.4603	57539.5135	45419.2247	48827.249	42524.198	46049.3582	41728.0856	43498.6812
16.47	20.69	6.25	1.15	2.94	4.13	18.92	30.66	22.35	18.77	3.12
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.002968	0.001702	0.012824	0.009896		0.000751	0.000409	0.006521	0.000047		0.000718
0.002968	0.001569	0.012139	0.008239		0.000738	0.000408	0.006521	0.000047		0.000718
		1749.30627	1660.96743		12.704951					63.524757
		6.182305	5.190051		0.03958					0.184193
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
0.034088	0.025611	0.030649	0.033571	0.034485	0.032073	0.033647	0.02807	0.027806	0.032472	0.037367
51.3	26.55	227.25	145.35		11.7	7.2	108	0.9		12.15

1342.94979	695.035416	5949.03196	3805.0244		312.412529	192.253864	2883.80797	24.031733		324.428396
0.277096	0.554193	0.554193	0.831289		0.846996	1.129329	0.846996	0.282332		0.282332
78.555689	40.656015	347.987924	222.574455		17.91621	11.02536	165.380399	1.37817		18.605295
1112.73	1099.11	1209.75	1136.52	1181.79	1022.13	1136.43	1073.01	1236.63	1068.15	1085.85
2.897734	2.923164	2.901079	2.899285	2.896544	2.903778	2.90647	2.915788	2.91658	2.902581	2.887898
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1710.54627	848.499429	8794.20102	5844.09638		375.389933	227.920436	3993.58929	26.378016		425.033857
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
1710.54627	848.499429	8794.20102	5844.09638		375.389933	227.920436	3993.58929	26.378016		425.033857
1.14	0.59	5.05	3.23		0.26	0.16	2.4	0.02		0.27
1421.50548	735.691431	4547.71361	2366.63143		317.623788	203.279224	3049.18837	25.409903		279.508933
1710.54627	848.499429	6430.53554	3307.87471		361.6977	227.920436	3993.58929	26.378016		351.837528
0.03	0.06	0.059177	0.059585		0.09	0.12	0.09	0.03		0.03
3.42	1.77	10.941344	5.693878		0.75	0.48	7.2	0.06		0.66
		415.644876	415.644876							
		8.312897	8.312897							
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
0.008906	0.004707	0.03633	0.024719		0.002215	0.001227	0.019565	0.000141		0.002154
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
		4.208655	3.996121		0.03					0.15
		1749.30627	1660.96743		12.704951					63.524757
-289.04079	-112.808	-2497.1811	-1816.4975		-45.061193	-24.641211	-944.40093	-0.968113		-82.000166
-1999.5871	-961.30743	-8927.7167	-5124.3722		-406.75889	-252.56165	-4937.9902	-27.346129		-433.8377
287.4788	126.1661	1365.3924	1034.9586		83.5438	45.5276	587.6858	5.004		89.6014
0.25	0.16	0.6	0.18		0.13	0.09	0.4	0.01		0.06
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81

1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
12.21844	12.195842	12.306521	12.263002	11.714172	11.851069	11.938602	12.045054	12.223329	12.110353	12.070952
0.527613	0.530942	0.501044	0.524475	0.697157	0.631487	0.610219	0.571087	0.525544	0.558945	0.563631
0.501492	0.502095	0.475384	0.5019	0.664253	0.59863	0.578764	0.540903	0.497978	0.537533	0.537004
286262.925	280292.397	296037.801	292768.643	395013.77	310707.889	336574.623	297830.558	320494.597	297821.513	303451.494
1241.87254	1183.31143	1076.57265	907.112089	1217.90286	1006.1903	1240.71859	1251.58079	1349.27251	1199.59448	992.926246
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
0.051796	0.055505	0.053485	0.041607	0.047034	0.053181	0.051556	0.054021	0.051674	0.040298	0.048191
98852.2595	96789.7591	102456.595	101209.321	133532.188	105067.319	113835.011	100822.918	108574.636	100650.115	102522.676
164437.566	160995.858	169873.032	168061.931	228659.434	179958.43	194995.301	172541.943	185755.635	172798.665	176078.734
2.763499	2.763499	2.763499	2.7635	2.8206	2.8206	2.8206	2.8206	2.8206	2.8206	2.8206
111060.514	108743.294	115109.985	113708.672	150971.491	118789.11	128701.864	113990.392	122754.484	113795.021	115912.137
15656.73	15270.59	16931.25	16154.67	16718.83	14331.04	15986.97	14969.16	17289.87	15186.31	15388.84
40.772734	40.613271	40.602517	41.210892	40.977524	40.713181	40.887391	40.677065	40.777995	41.267146	40.927765
16512	16168	17888	16856	17544	15136	16856	15824	18232	15824	16168
43	43	42.896882	43	43	43	43.109974	43	43	43	43
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
36.036223	35.976468	36.310187	36.069362	34.975639	35.662539	35.802468	36.143561	36.627206	36.270851	36.300703
35.021195	34.955751	35.274403	35.148312	34.313579	34.697181	34.942441	35.245297	35.753173	35.425565	35.314398
293334.816	287156.291	303421.687	299216.543	401219.357	317815.142	343840.993	304301.34	327442.732	303708.864	310293.551
339263.087	365694.323	420965.713	430860.801	743234.356	557776.468	492802.2	433863.624	376598.333	346650.923	397054.958
45928.2708	78538.0319	117544.026	131644.258	342014.999	239961.326	148961.207	129562.284	49155.6008	42942.0588	86761.4066
339263.087	365694.323	420965.713	430860.801	743234.356	557776.468	492802.2	433863.624	376598.333	346650.923	397054.958
364.11	355.13	393.75	375.69	388.81	333.28	371.79	348.12	402.09	353.17	357.88
21.862394	22.4647	18.073148	17.170059	46.749117	41.641351	32.398956	28.536806	24.256271	23.79505	22.91509
7.21459	7.862645	4.156824	4.979317	13.557244	11.659578	9.071707	8.846409	7.034318	6.186713	5.728772
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
21.564192	21.590106	20.392517	21.581709	28.562916	25.741107	24.950511	23.258858	21.413089	23.11394	23.091196
-5741.8053	27946.0248	63989.9633	78742.1455	272217.725	185042.639	89459.6461	76862.1444	-7596.3616	-9667.7565	33172.804
-5741.8053	27946.0248	63989.9633	78742.1455	272217.725	185042.639	89459.6461	76862.1444	-7596.3616	-9667.7565	33172.804

8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
286262.925	280292.397	296037.801	292768.643	395013.77	310707.889	336574.623	297830.558	320494.597	297821.513	303451.494
-45928.271	-78538.032	-117544.03	-131644.26	-342015	-239961.33	-148961.21	-129562.28	-49155.601	-42942.059	-86761.407
-45928.271	-78538.032	-117544.03	-131644.26	-342015	-239961.33	-148961.21	-129562.28	-49155.601	-42942.059	-86761.407
4.42	3.58	2.9	3.29	2.85	2.38	3.32	3.18	2.65	3.09	2.52
81362.3968	81009.227	104345.946	117185.439	122277.57	98657.0969	97243.021	79517.1648	92263.0639	85994.5329	105377.079
1.36	1.32	1.42	1.24	1.17	1.34	1.37	1.22	1.31	1.11	1.29
7071.8912	6863.8944	7383.8864	6447.9008	6205.5864	7107.2528	7266.3704	6470.7824	6948.1352	5887.3512	6842.0568
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
275498.08	269739.153	284983.017	281770.604	379630.926	298747.541	323697.165	286532.335	308510.119	286593.685	291990.871
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
7071.8912	6863.8944	7383.8864	6447.9008	6205.5864	7107.2528	7266.3704	6470.7824	6948.1352	5887.3512	6842.0568
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
10764.845	10553.244	11054.784	10998.039	15382.8444	11960.3484	12877.458	11298.2232	11984.478	11227.8276	11460.6228
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.003285	0.001764	0.012611	0.009861		0.000797	0.000409	0.00688	0.000047		0.000718
0.002968	0.001755	0.012043	0.009846		0.000795	0.000408	0.006277	0.000047		0.000718
		1925.79819	1694.77727		12.704951					63.524757
		6.735947	5.313422		0.03958					0.184193
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
0.025442	0.027047	0.031971	0.030663	0.029166	0.035	0.030076	0.029429	0.021014	0.036711	0.043191
51.3	29.7	225.45	173.7		12.6	7.2	103.95	0.9		12.15
1342.94979	777.497245	5901.91091	4547.18086		336.444262	192.253864	2775.66517	24.031733		324.428396
0.277096	0.554193	0.554193	0.831289		0.846996	1.129329	0.846996	0.282332		0.282332
78.555689	45.47961	345.231584	265.98681		19.29438	11.02536	159.178635	1.37817		18.605295
1122.69	1097.49	1208.1	1139.94	1188.3	1019.04	1140.63	1071.51	1245.27	1063.47	1079.28
2.923671	2.918856	2.897122	2.90801	2.9125	2.895	2.917212	2.911711	2.936957	2.889864	2.870425
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983

4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1710.54627	946.85682	8647.29909	6975.79918		401.297058	227.920436	3862.19424	26.378016		425.033857
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
1710.54627	946.85682	8647.29909	6975.79918		401.297058	227.920436	3862.19424	26.378016		425.033857
1.14	0.66	5.01	3.86		0.28	0.16	2.31	0.02		0.27
1421.50548	822.976855	4321.34431	3118.3904		343.033691	203.279224	2934.8438	25.409903		279.508933
1710.54627	946.85682	6030.05412	4404.50066		387.604824	227.920436	3862.19424	26.378016		351.837528
0.03	0.06	0.058812	0.05951		0.09	0.12	0.09	0.03		0.03
3.42	1.98	10.396722	7.502535		0.81	0.48	6.93	0.06		0.66
		415.644876	415.644876							
		8.312897	4.156448							
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
0.008906	0.005265	0.036043	0.02954		0.002386	0.001227	0.018831	0.000141		0.002154
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
		4.633277	4.077464		0.03					0.15
		1925.79819	1694.77727		12.704951					63.524757
0.12	0.01	0.01	0.01		0.03		0.04			
-289.04079	-123.87996	-2400.1566	-2162.6315		-45.558415	-24.641211	-927.35043	-0.968113		-82.000166
-1999.5871	-1070.7368	-8430.2107	-6567.1322		-433.16324	-252.56165	-4789.5447	-27.346129		-433.8377
287.4788	142.1854	1369.0379	1233.4448		89.4995	45.5276	568.1185	5.004		89.6014
0.25	0.19	0.62	0.2		0.15	0.09	0.37	0.01		0.06
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
2.702443	1.13137	0.987958	0.851535	5.922148	5.9572	4.67228	2.706301	2.422437	2.991118	5.245989
0.027438	0.015996	0.007819	0.014358	0.036497	0.060884	0.04963	0.042886	0.050823	0.03849	0.03759
0.026953	0.014425	0.007716	0.014132	0.034867	0.058198	0.048867	0.042331	0.049839	0.038293	0.036569
7953.18438	3517.67303	3733.53105	24327.0442	33827.5176	34332.3327	14599.4085	4232.49774	4231.05143	12028.9577	46837.8695
26.871396	14.261339	12.478447	73.65543	100.792918	108.411557	51.695206	16.864133	16.915944	38.373011	133.249613

517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
0.035182	0.029547	0.024026	0.029502	0.027144	0.031321	0.024477	0.0361	0.033384	0.027907	0.028843
7422.3	3880.8	2274.9	3963.8	10091.7	14696.3	13725.4	11261.3	15228.6	10139.8	9861.1
75014.4869	55094.5955	60926.1899	93527.4767	89582.2116	135505.143	109782.883	108317.425	117642.536	69224.7497	85476.363
1.356101	1.027944	1.279533	0.802609	2.738837	2.885023	1.9315	1.377782	1.183461	1.29937	2.611559
841.862682	249.94099	241.098252	1340.05324	4002.42287	3859.65387	2347.57655	376.718157	632.599044	1907.96517	5878.60361
18469	18243.6	20303.1	19032.1	19853.3	17042.9	19142	17697.8	20569.2	17912.9	18278.3
48.096354	48.520212	48.688489	48.551275	48.660049	48.417329	48.956521	48.091847	48.512264	48.676358	48.6125
19200	18800	20800	19600	20400	17600	19600	18400	21200	18400	18800
50	50	49.880095	50	50	50	50.127877	50	50	50	50
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
36.65567	24.178166	37.276497	23.347445	64.085449	73.941452	48.627837	38.387848	32.212431	35.736548	63.16151
19.408267	14.611556	18.184965	11.466971	39.160867	41.262008	27.454337	19.739197	16.948498	18.588695	37.237166
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
107067.525	67553.5256	72346.0356	113968.808	106415.918	182069.771	150941.069	201797.14	178464.252	103511.948	116886.679
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
107067.525	67553.5256	72346.0356	113968.808	106415.918	182069.771	150941.069	201797.14	178464.252	103511.948	116886.679
173.38	157.26	131.14	151.94	297.6	310.51	304.21	202.71	195.59	205.75	344.97
67236.7795	51659.8345	57265.0998	69248.9965	56137.92	101553.976	95432.3828	104319.342	113739.399	57353.535	38806.2025
96313.1586	63376.8048	68066.7846	83852.2208	66187.2449	134342.139	131352.318	193417.145	171100.572	85227.7102	52193.7407
4.383163	1.579898	1.564372	1.070408	6.113754	7.129465	6.851955	4.440868	3.941452	4.218776	3.998566
458.06375	253.434875	143.278696	182.247228	427.808096	752.006986	791.400433	752.418055	1011.66888	569.772249	273.620509
123.559388	223.016038	292.094631	212.468912	103.454982	119.661842	104.412017	137.186276	111.716579	102.022054	113.34302
14.761886	6.690481	17.514577	12.748134	38.097169	40.673027	24.932987	12.346764	13.405989	19.380464	41.932084
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
1.347656	0.721276	0.384892	0.706632	1.743382	2.909943	2.449616	2.116576	2.491981	1.914673	1.828457
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
59.436249	17.765124	17.221303	94.752771	283.491903	272.293013	166.399566	26.481944	44.931116	134.82775	413.87949
7953.18438	3517.67303	3733.53105	24327.0442	33827.5176	34332.3327	14599.4085	4232.49774	4231.05143	12028.9577	46837.8695
6.2	3.51	1.95	3.3	6.7	12.92	12.74	10.81	17.01	10.36	6.58
-31877.561	-12376.018	-11347.405	-20392.768	-16450.481	-46183.463	-40909.277	-93245.3	-60493.802	-34129.455	-31242.607
-128190.72	-75752.823	-79414.189	-104244.99	-82637.726	-180525.6	-172261.59	-286662.45	-231594.37	-119357.17	-83436.348
0.43	0.07	0.14	0.61	2.12	2.07	0.56	0.17	0.15	0.92	3.8
4459.3391	2113.944	1306.315	2969.4933	6960.4669	10605.4788	8810.5063	6852.859	8912.9648	6573.2878	7797.5737

0.11	0.06	0.08	0.01	0.4	0.22	0.1	0.07	0.13	0.03	0.07
87.418	41.192	58.584	5.95	315.586	200.742	88.7	53.687	106.907	18.207	48.085
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
75014.4869	55094.5955	60926.1899	93527.4767	89582.2116	135505.143	109782.883	108317.425	117642.536	69224.7497	85476.363
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
87.418	41.192	58.584	5.95	315.586	200.742	88.7	53.687	106.907	18.207	48.085
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
88.059	41.72	13.857	42.614	67.64	180.424	160.208	180.727999	221.007999	139.536	119.624
0.08		0.08	0.03	0.58	0.69	0.47		0.04	0.11	0.07
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.002947	0.001702	0.012932	0.009821		0.000757	0.000419	0.006524	0.000054		0.000718
0.002656	0.001702	0.012932	0.009821		0.00071	0.000408	0.006413	0.000047		0.000718
		2378.25466	2155.9507		16.996155					73.656231
		8.315377	6.780365		0.052949					0.213757
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
0.02625	0.033563	0.034615	0.036096	0.039362	0.021818	0.022474	0.028695	0.041344	0.034673	0.035984
61.2	38.4	322.8	231		15	9.6	141.6	1.2		16.2
1602.11554	1005.24896	8450.37411	6047.2008		400.528884	256.338485	3780.99267	32.04231		432.571195
0.277715	0.555431	0.555431	0.833146		0.849807	1.133077	0.849807	0.283269		0.283269
97.50384	61.17888	514.28496	368.0292		24.375	15.6	230.1	1.95		26.325
1495.68	1453.52	1606.4	1511.4	1567.76	1377.28	1532.76	1429.76	1625.88	1420.96	1449.88
3.895	3.865744	3.852278	3.855612	3.842549	3.912727	3.920102	3.885217	3.834622	3.861304	3.856063
1536	1504	1664	1568	1632	1408	1568	1472	1696	1472	1504
4	4	3.990407	4	4	4	4.01023	4	4	4	4
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
4.165733	8.331467	8.331467	12.497201		12.747116	16.996155	12.747116	4.249038		4.249038
4.165733	8.331467	8.331467	12.497201		12.747116	16.996155	12.747116	4.249038		4.249038
1699.61938	1066.42784	8964.65907	6415.23		424.903884	271.938485	4011.09267	33.99231		458.896195
2071.41088	1229.21205	12479.343	9284.41012		484.107176	303.893915	5256.90548	35.170688		566.71181
371.791502	162.784208	3514.68392	2869.18012		59.203291	31.955429	1245.81281	1.178377		107.815615
2071.41088	1229.21205	12479.343	9284.41012		484.107176	303.893915	5256.90548	35.170688		566.71181
1.02	0.64	5.38	3.85		0.25	0.16	2.36	0.02		0.27
1699.61938	1066.42784	6586.40441	4259.2793		407.907728	271.938485	4011.09267	33.99231		385.239963

2071.41088	1229.21205	9266.57481	6015.61411	465.850865	303.893915	5256.90548	35.170688	480.924471
0.04	0.08	0.078793	0.079286	0.12	0.16	0.12	0.04	0.039419
4.08	2.56	15.81091	10.224559	0.96	0.64	9.44	0.08	0.906652
		464.691304	460.88129	456.673309				484.561844
		9.293826	9.217625	4.566733				4.845618
4.08	2.56	21.52	15.4	1	0.64	9.44	0.08	1.08
0.010625	0.006808	0.051606	0.039285	0.00284	0.001636	0.025652	0.000188	0.002872
371.791502	162.784208	3514.68392	2869.18012	59.203291	31.955429	1245.81281	1.178377	107.815615
371.791502	162.784208	3514.68392	2869.18012	59.203291	31.955429	1245.81281	1.178377	107.815615
		5.709089	5.17544	0.04				0.173347
		2378.25466	2155.9507	16.996155				73.656231
1.02	0.57	1.37	0.66	0.22	0.16	2.36	0.02	0.23
-371.7915	-162.78421	-3514.6839	-2869.1801	-59.203291	-31.955429	-1245.8128	-1.178377	-107.81562
-2443.2024	-1391.9963	-12781.259	-8884.7942	-525.05416	-335.84934	-6502.7183	-36.349065	-588.74009
		0.52	0.21	0.01				0.04
256.658	137.6962	1464.504	1230.1967	80.2259	45.5276	577.5929	5.004	89.6014
0.22	0.18	0.65	0.2	0.12	0.09	0.4	0.01	0.06
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195
4.08	2.56	21.52	15.4	1	0.64	9.44	0.08	1.08
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195

10.924667	10.913906	11.027455	10.983179	10.577156	10.680792	10.744449	10.81986	10.942657	10.873096	10.819777
0.353164	0.350023	0.3157	0.344947	0.52037	0.462647	0.428889	0.393792	0.348342	0.370696	0.388321
0.331962	0.326356	0.300872	0.327725	0.49593	0.438485	0.40278	0.373741	0.326876	0.351924	0.366442
296400.017	285492.974	294111.372	299254.369	466542.896	358509.967	368716.468	323785.81	329400.894	306545.856	325507.889
1284.17481	1204.88127	1067.56112	927.221509	1438.04953	1162.20017	1354.18193	1355.9704	1386.202	1231.77896	1060.53232
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
0.058489	0.070345	0.043966	0.050841	0.048382	0.055681	0.062653	0.055326	0.063702	0.052201	0.057845
79058.1997	76077.657	78565.0298	79802.7594	121780.681	93687.5219	96334.9032	84573.5829	86084.3385	79999.9679	84793.1837
132785.286	127829.868	131334.653	133846.804	210741.622	161785.92	166584.414	146348.569	148829.322	138740.652	147522.76
3.649499	3.649499	3.649499	3.649499	3.7243	3.724299	3.724299	3.724299	3.724299	3.724299	3.724299
158867.452	152878.052	157876.427	160363.645	247738.439	190588.526	195974.094	172048.04	175121.37	162743.935	172494.774
21186.244	20483.63	23305.806	21803.302	22752.036	19478.64	21531.984	20371.704	23263.614	20439.094	20759.05

55.17251	54.477739	55.889223	55.620668	55.764794	55.337045	55.069012	55.357891	54.867014	55.541016	55.210239
22502.4	22033.6	24377.6	22971.2	23908.8	20627.2	22971.2	21564.8	24846.4	21564.8	22033.6
58.599999	58.599999	58.459472	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
46.92739	48.116908	46.311673	47.184311	44.688484	45.991838	46.898479	46.556554	48.593566	47.428791	46.795924
40.507824	40.466202	40.891401	40.725215	40.034743	40.421235	40.659186	40.943019	41.401281	41.137086	40.937876
329686.567	322801.301	323143.531	330160.033	504082.662	390289.273	405908.591	352994.557	368938.331	339131.564	357994.225
373240.138	408122.668	470602.542	509743.143	856151.362	667877.488	560933.14	515725.315	433789.748	374386.66	450250.038
43553.5711	85321.3666	147459.011	179583.11	352068.699	277588.215	155024.549	162730.758	64851.4171	35255.0956	92255.8132
373240.138	408122.668	470602.542	509743.143	856151.362	667877.488	560933.14	515725.315	433789.748	374386.66	450250.038
361.54	349.55	397.71	372.07	388.26	332.4	367.44	347.64	396.99	348.79	354.25
257.596099	32.793138	13.863263			14.88853	133.635787	91.364449	72.555367	99.371828	
1457.11386	71.011743	18.788477			16.343122	168.064156	289.588706	122.204412	173.792127	
1.224685	0.572099	0.323733			0.257491	0.780882	1.321051	1.176952	0.97516	
6.442557	0.789	0.323733			0.384983	3.552487	2.252646	1.674283	2.434934	
24.157433	26.734542	30.672452	29.696494	46.595222	40.398156	32.341847	24.788938	20.064532	25.61026	27.02697
19.084254	22.186671	25.458135	25.83595	38.674034	33.118602	27.476326	19.826926	16.854207	21.000413	22.162115
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
19.453026	19.12451	17.588872	19.204688	29.061544	25.695227	23.663294	21.901239	19.154957	20.622766	21.473542
2229.85005	45555.5753	106393.07	137870.208	288413.937	228617.748	104670.295	118524.146	19855.1334	-6560.8877	47934.4161
2229.85005	45555.5753	106393.07	137870.208	288413.937	228617.748	104670.295	118524.146	19855.1334	-6560.8877	47934.4161
7463.51944	7190.027	7334.23627	7528.238	11857.11	9044.33502	9248.79551	8057.40335	8120.02772	7586.74307	8074.052
296400.017	285492.974	294111.372	299254.369	466542.896	358509.967	368716.468	323785.81	329400.894	306545.856	325507.889
0.04	0.02	0.02				0.01	0.01	0.05	0.03	
-43553.571	-85321.367	-147459.01	-179583.11	-352068.7	-277588.22	-155024.55	-162730.76	-64851.417	-35255.096	-92255.813
-45010.685	-85392.378	-147477.8	-179583.11	-352068.7	-277604.56	-155192.61	-163020.35	-64973.622	-35428.888	-92255.813
17.4	17.39	22.88	19.23	18.64	15.75	16.98	17.83	24.32	19.34	21.79
75834.4545	74732.3972	100556.119	109279.128	113733.748	93202.4594	89994.6956	75823.1098	85960.0883	80024.9936	98612.558
1.4	1.58	1.23	1.31	1.56	1.32	1.54	1.21	1.64	1.35	1.35
33028.9546	37275.5344	29018.2958	30905.6646	37539.7661	31764.4174	37058.487	29117.3827	39464.8823	32486.336	32486.336
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
291652.738	280707.92	289211.08	294210.449	458480.062	352374.446	362558.507	318396.609	323950.692	301484.587	320017.533
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052

33028.9546	37275.5344	29018.2958	30905.6646	37539.7661	31764.4174	37058.487	29117.3827	39464.8823	32486.336	32486.336
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
5004.87454	4817.84672	4914.1552	5043.91946	8062.8348	6150.4096	6291.59664	5480.56608	5522.75736	5160.64104	5490.35536
0.04	0.02	0.01				0.04	0.06	0.06	0.05	
2.55	0.9	1.05	0.9	4.05	5.25	4.2	2.4	2.1	2.85	4.65
0.02489	0.013126	0.006081	0.01326	0.029126	0.055838	0.044879	0.040656	0.048423	0.036251	0.033367
0.024088	0.013111	0.006081	0.013061	0.028799	0.053551	0.043341	0.039945	0.047594	0.035326	0.03218
1338.97351	593.034295	246.758317	4558.85008	5688.67709	5723.51331	2284.84025	697.876241	746.205908	2025.39811	8999.68536
4.475057	2.343966	0.847419	13.410517	16.997124	17.968002	8.163675	2.754332	2.984413	6.358297	25.183587
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
0.036223	0.035877	0.032908	0.023647	0.023333	0.030625	0.039489	0.039239	0.030023	0.026576	0.027526
1942.5	1035.3	531.3	1075.2	2467.5	3958.5	3567.9	3087	4237.8	2730	2541
19943.5577	14602.8718	15433.4055	26679.1343	22297.1499	36295.0549	28774.4528	30063.3509	32900.1391	18777.0504	22155.4932
1.231517	0.642915	1.267209	0.800128	1.856798	2.655494	1.688721	1.205082	0.968013	1.119018	2.132318
145.290483	51.235226	22.279538	228.457146	633.56196	639.217215	406.604726	56.423458	108.644004	317.817312	1132.09223
5181.26	5075.14	5632.34	5358.22	5578.72	4777.08	5271.28	4949.84	5757.78	5015.08	5119.1
13.492864	13.497712	13.50681	13.668928	13.673333	13.57125	13.481534	13.450652	13.579669	13.627934	13.614627
5376	5264	5824	5488	5712	4928	5488	5152	5936	5152	5264
14	14	13.966426	14	14	14	14.035805	14	14	14	14
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
18.623047	9.647875	19.064867	12.001925	28.509482	40.314237	25.641626	18.101667	14.581277	16.804383	32.165654
18.623047	9.647875	19.064867	12.001925	28.509482	40.314237	25.641626	18.101667	14.581277	16.804383	32.165654
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
28135.2424	17637.2751	17969.3282	31638.3794	26179.325	48342.6936	38992.2509	55357.9222	48889.1491	27718.6239	30112.2809
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
28135.2424	17637.2751	17969.3282	31638.3794	26179.325	48342.6936	38992.2509	55357.9222	48889.1491	27718.6239	30112.2809
115.25	92.24	84.16	84.76	171.4	175.61	151.51	104.1	127.57	114.88	184.62
18657.0842	14020.3375	15207.6472	22120.2843	16786.9728	30718.5416	26573.6125	29386.4746	32227.4332	16772.6523	13197.8079
26391.3028	16983.4684	17711.4375	26058.1746	19501.1138	40328.1434	35949.554	54019.9826	47545.623	24698.2268	17747.5321
2.361368	0.694695	0.977334	0.672842	3.121093	4.804157	3.602708	2.226111	1.937638	2.545516	2.882845
119.813967	65.604318	33.934697	56.449523	122.262535	221.285518	210.753018	202.038436	275.277066	160.812179	93.927184
122.457242	237.639123	199.067875	207.774879	125.381721	131.71678	125.664212	155.798425	107.907702	92.046085	108.79156
13.470296	7.129173	3.981357	12.466492	21.275469	32.929195	18.724861	4.673952	5.395385	13.806912	32.637468
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4

0.337239	0.183563	0.08494	0.182857	0.403186	0.749715	0.608337	0.559239	0.66632	0.494565	0.450531
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
9.686032	3.415681	1.485302	15.230476	42.237464	42.614481	27.106981	3.761563	7.242933	21.18782	75.472815
1338.97351	593.034295	246.758317	4558.85008	5688.67709	5723.51331	2284.84025	697.876241	746.205908	2025.39811	8999.68536
3.21	1.89	1.45	1.89	5.35	5.57	5.56	2.79	5.69	3.29	2.56
-8139.1847	-3023.9033	-2514.9227	-4959.2451	-3703.675	-11900.639	-10133.798	-25273.571	-15915.51	-8920.5736	-7914.7876
-34530.488	-20007.372	-20226.36	-31017.42	-23204.789	-52228.782	-46083.352	-79293.554	-63461.133	-33618.8	-25662.32
0.25	0.13	0.1	0.4	1.26	0.79	0.37	0.02	0.15	0.47	1.75
2372.9026	1170.5005	696.7512	1675.8467	3874.608	5797.0927	4700.3037	3547.4686	4819.0996	3481.8449	4084.1487
0.05	0.01	0.02		0.17	0.14	0.08	0.02	0.07	0.02	0.04
52.5	10.5	21		178.5	147	84	21	73.5	21	42
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
19943.5577	14602.8718	15433.4055	26679.1343	22297.1499	36295.0549	28774.4528	30063.3509	32900.1391	18777.0504	22155.4932
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
52.5	10.5	21		178.5	147	84	21	73.5	21	42
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
0.03		0.05		0.57	0.78	0.35		0.04	0.16	0.11
11.47312	11.456962	11.549908	11.512513	11.11186	11.241886	11.303412	11.378806	11.497199	11.421515	11.375292
0.284664	0.278587	0.257574	0.274838	0.38458	0.355757	0.334703	0.30765	0.288489	0.298224	0.306693
0.273443	0.267315	0.248504	0.265019	0.371195	0.341781	0.322249	0.295751	0.27655	0.288001	0.294378
1438779.21	1393164.11	1572609.26	1643852.88	2353052.11	1826031.38	1777306.37	1421024.07	1566638.11	1487418.14	1735916.45
6185.9395	5858.55864	5701.81826	5086.19408	7234.96667	5903.11885	6520.4529	5943.10033	6581.07151	5912.86792	5615.64101
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
0.037014	0.03632	0.0335	0.033455	0.033493	0.035568	0.03467	0.036353	0.036691	0.033767	0.036764
432915.852	414140.774	430251.005	429432.108	603800.667	486056.966	513001.563	446378.627	485218.276	435510.769	452905.627
902821.515	877274.476	987441.31	988861.251	1367642.62	1168874.66	1122747.54	1002977.15	1056463.05	886665.697	977478.847
3.556343	3.587167	3.641581	3.618979	3.74468	3.782303	3.652633	3.661988	3.624551	3.584301	3.648913
735736.287	716130.663	751612.582	745636.918	1021092.92	805238.662	859866.451	757354.425	809521.987	738097.82	768462.09
4419.50085	1860.1135	2880.07275	6938.03682	26304.3585	19741.4291	11109.4612	1979.84916	3551.07763	7822.83435	20222.5006
135247.929	132382.7	147276.806	138867.162	144547.801	124252.73	138489.714	129741.124	149289.299	130241.184	132643.065
352.208148	352.081648	353.181788	354.252964	354.283825	352.99071	354.193641	352.557402	352.097403	353.91626	352.774109
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6

367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
220.593137	210.173448	234.963836	227.685641	259.540546	330.34427	299.201032	260.915868	213.203729	205.533192	271.736307
42.409756	42.60796	43.523088	43.170996	43.307607	44.195597	42.980951	43.312082	43.331507	42.611306	43.173936
1759778.31	1712447.77	1850691.63	1846784.57	2555983.93	2111648.51	2127978.81	1879142.23	2009230.27	1746311.49	1872866.51
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
165324.749	274000.198	552808.729	604128.682	1486011.05	1178459.59	670890.575	748025.753	276861.425	151026.037	357932.583
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
1523.53	1438.45	1530.66	1491.62	1887.19	1700.34	1761.54	1507.06	1666.13	1520.35	1835.01
271014.152	265891.023	231690.937	156324.921	149104.968	238594.462	297124.082	413950	383630.892	211081.655	88398.1592
455537.121	435559.777	339925.044	210063.505	185159.764	340109.329	448930.764	852478.601	674910.484	344481.304	122533.501
3.597863	2.281672	1.435283	0.670144	4.444695	3.919998	4.666267	4.80861	3.553205	4.711766	1.836348
3481.83207	2915.65592	1034.69106	503.934502	1313.27851	2108.69676	3659.3043	5384.4944	5314.29368	3207.86194	749.227547
26.767549	27.174594	30.631011	33.404566	53.122205	49.142625	38.522046	30.138296	24.980924	30.934845	41.852023
26.731563	27.149737	30.627073	33.40417	53.043045	49.136779	38.455148	30.105684	24.971762	30.907141	41.849451
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
100.381125	98.131462	91.007074	97.288841	136.265764	125.467823	118.600388	108.570211	101.521849	105.725353	108.06651
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1438779.21	1393164.11	1572609.26	1643852.88	2353052.11	1826031.38	1777306.37	1421024.07	1566638.11	1487418.14	1735916.45
37.73	32.59	18.08	10.3	31.13	35.94	46.28	41.88	44.92	32.19	17.26
-165324.75	-274000.2	-552808.73	-604128.68	-1486011	-1178459.6	-670890.58	-748025.75	-276861.42	-151026.04	-357932.58
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328.64	322.13	391.06	380.5	371.36	309.05	324.27	294.57	356.03	316.34	355.23
254693.21	247754.782	323463.597	359455.378	388405.62	324508.982	312216.617	256562.685	294039.911	269784.744	333414.84
4.84	4.52	5.66	4.08	4.9	4.58	4.49	4.73	4.59	3.59	3.98
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43
1638557.8	1593405.14	1739053.89	1734498.17	2388735.54	1974113.32	1982613.99	1760331.58	1865985.04	1624763.52	1745940.94
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43

70953.8418	65515.536	65111.2241	65634.5467	112560.289	89929.1689	91487.0137	74434.288	83970.0434	73585.814	78177.8936
17.19	20.71	6.44	1.19	4.95	6.7	21.29	31.37	22.83	19.42	3.37
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
1979.81701	2136.8547	3049.2436	3692.27966	4675.11168	3310.95106	2642.22281	1753.87534	1967.71814	2339.92183	3721.06833
-89487.383	-89693.673	-114905.31	-127216.15	-132771.51	-109303.19	-106713.42	-87952.434	-101184	-93063.135	-115610.1
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
328.54	322.18	391.01	380.16	370.97	308.57	323.61	294.27	355.76	315.83	354.96
206.930729	188.153866	221.562668	270.667822	248.857123	247.186786	200.586938	173.420437	181.274147	229.180631	286.30204
96.041694	99.431476	132.41968	169.816339	131.662048	134.458633	105.238698	83.952929	95.117315	105.636288	157.611781
34222.0079	34013.4996	53792.4022	65886.4478	51433.7026	44147.2269	37617.5785	26415.2902	36289.642	36095.7376	57764.3812
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2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
3003592.16	3255078.16	4546001.67	5480719.8	8349984.01	6119083.13	4815272.96	3599290.04	3335986.55	3429161.39	5075394.72
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479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
1979.81701	2136.8547	3049.2436	3692.27966	4675.11168	3310.95106	2642.22281	1753.87534	1967.71814	2339.92183	3721.06833
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479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
328.54	322.18	391.01	380.16	370.97	308.57	323.61	294.27	355.76	315.83	354.96
206.930729	188.153866	221.562668	270.667822	248.857123	247.186786	200.586938	173.420437	181.274147	229.180631	286.30204
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2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
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6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
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7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
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7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508

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0.44	0.57	0.42	0.01	0.56	0.31	0.16	0.18	0.22	0.05	0.14
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096

7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508

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201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102

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20200.8552	21698.3995	24197.6453	23696.4097	27054.6558	23099.9869	26382.3901	26967.8006	27163.3877	21268.3297	17961.9341
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567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942
567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942
20200.8552	21698.3995	24197.6453	23696.4097	27054.6558	23099.9869	26382.3901	26967.8006	27163.3877	21268.3297	17961.9341
-567037.37	-656856.75	-762926.05	-799414.85	-1404722.3	-1074334.4	-993974.78	-964108.65	-765394.32	-622660.75	-586697.94
-567037.37	-656856.75	-762926.05	-799414.85	-1404722.3	-1074334.4	-993974.78	-964108.65	-765394.32	-622660.75	-586697.94
0.44	0.57	0.42	0.01	0.56	0.31	0.16	0.18	0.22	0.05	0.14
357677.529	351644.476	459517.703	507862.401	530169.645	435287.568	425084.606	350800.611	396499.94	372085.191	461023.874
20200.8552	21698.3995	24197.6453	23696.4097	27054.6558	23099.9869	26382.3901	26967.8006	27163.3877	21268.3297	17961.9341
20200.8552	21698.3995	24197.6453	23696.4097	27054.6558	23099.9869	26382.3901	26967.8006	27163.3877	21268.3297	17961.9341
567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942

567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942
11.47312	11.456962	11.549908	11.512513	11.11186	11.241886	11.303412	11.378806	11.497199	11.421515	11.375292
0.284664	0.278587	0.257574	0.274838	0.38458	0.355757	0.334703	0.30765	0.288489	0.298224	0.306693
0.273443	0.267315	0.248504	0.265019	0.371195	0.341781	0.322249	0.295751	0.27655	0.288001	0.294378
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
1918290.44	1912822.35	2428102.59	2859833.27	3891660.42	2868937.3	2508001.05	1846631.57	2041603.7	2109936.82	2921947.12
8165.75651	7995.41334	8751.06185	8778.47374	11910.0783	9214.06991	9162.67572	7696.97567	8548.78965	8252.78975	9336.70934
-30740.176	-31097.844	-52757.711	-65382.513	-50120.424	-42038.53	-33958.274	-21030.796	-30975.348	-32887.876	-57015.154
0.037014	0.03632	0.0335	0.033455	0.033493	0.035568	0.03467	0.036353	0.036691	0.033767	0.036764
432915.852	414140.774	430251.005	429432.108	603800.667	486056.966	513001.563	446378.627	485218.276	435510.769	452905.627
902821.515	877274.476	987441.31	988861.251	1367642.62	1168874.66	1122747.54	1002977.15	1056463.05	886665.697	977478.847
3.556343	3.587167	3.641581	3.618979	3.74468	3.782303	3.652633	3.661988	3.624551	3.584301	3.648913
735736.287	716130.663	751612.582	745636.918	1021092.92	805238.662	859866.451	757354.425	809521.987	738097.82	768462.09
4419.50085	1860.1135	2880.07275	6938.03682	26304.3585	19741.4291	11109.4612	1979.84916	3551.07763	7822.83435	20222.5006
135247.929	132382.7	147276.806	138867.162	144547.801	124252.73	138489.714	129741.124	149289.299	130241.184	132643.065
352.208148	352.081648	353.181788	354.252964	354.283825	352.99071	354.193641	352.557402	352.097403	353.91626	352.774109
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6
367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
220.593137	210.173448	234.963836	227.685641	259.540546	330.34427	299.201032	260.915868	213.203729	205.533192	271.736307
42.409756	42.60796	43.523088	43.170996	43.307607	44.195597	42.980951	43.312082	43.331507	42.611306	43.173936
1759778.31	1712447.77	1850691.63	1846784.57	2555983.93	2111648.51	2127978.81	1879142.23	2009230.27	1746311.49	1872866.51
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
165324.749	274000.198	552808.729	604128.682	1486011.05	1178459.59	670890.575	748025.753	276861.425	151026.037	357932.583
2492140.43	2643304.71	3166426.41	3250328.1	5446717.32	4364442.49	3792844.16	3591276.64	3051486.01	2519998.27	2817497.03
1523.53	1438.45	1530.66	1491.62	1887.19	1700.34	1761.54	1507.06	1666.13	1520.35	1835.01
271014.152	265891.023	231690.937	156324.921	149104.968	238594.462	297124.082	413950	383630.892	211081.655	88398.1592
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67

328.54	322.18	391.01	380.16	370.97	308.57	323.61	294.27	355.76	315.83	354.96
206.930729	188.153866	221.562668	270.667822	248.857123	247.186786	200.586938	173.420437	181.274147	229.180631	286.30204
6.002605	6.214467	8.27623	10.613521	10.971837	8.403664	6.577418	5.247058	5.944832	8.125868	9.850736
34,222.01	34,013.50	53,792.40	65,886.45	51,433.70	44,147.23	37,617.58	26,415.29	36,289.64	36,095.74	57,764.38
455537.121	435559.777	339925.044	210063.505	185159.764	340109.329	448930.764	852478.601	674910.484	344481.304	122533.501
2.473531	1.568649	0.986757	0.460724	2.592739	2.694999	3.208058	3.305919	2.442828	2.899548	1.262489
3,481.83	2,915.66	1,034.69	503.93	1,313.28	2,108.70	3,659.30	5,384.49	5,314.29	3,207.86	749.23
26.699115	27.153172	30.640036	33.409076	53.14844	48.976788	38.469216	30.131361	24.990128	30.898282	41.883423
26.663298	27.129488	30.636128	33.40868	53.069976	48.97098	38.402402	30.099892	24.981041	30.870626	41.880857
-30740.176	-31097.844	-52757.711	-65382.513	-50120.424	-42038.53	-33958.274	-21030.796	-30975.348	-32887.876	-57015.154
-80.052541	-82.707031	-126.51729	-166.79213	-122.84418	-119.42764	-86.849806	-57.148901	-73.055066	-89.369227	-151.63605
-2006449.5	-2013755.2	-2593718.7	-3078639.3	-4215064	-3055465.7	-2667948.3	-1679890.1	-2052834.5	-2246754.4	-3166728.4
-22.48214	-22.443131	-22.578474	-24.225073	-31.770794	-27.962355	-24.987969	-19.110588	-20.275046	-24.139724	-27.342888
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55265.3752	55680.1736	61112.9043	61329.7012	81337.8093	65155.9642	69095.8378	61537.1442	64894.358	56967.3978	57845.7146
1438779.21	1393164.11	1572609.26	1643852.88	2353052.11	1826031.38	1777306.37	1421024.07	1566638.11	1487418.14	1735916.45
1791718.81	1804562.98	2374773.56	2861195.89	3920642.3	2823383.23	2419712.92	1461548.13	1818765.22	2032955.93	2944733.53
1815692.91	1888661.44	2890341.84	3867112.76	5274090.85	3526179.82	2701476.84	1034677.03	1618820.32	2310993.3	4008230.7
701858.122	689092.93	897886.606	994533.928	1051346.78	869099.741	844014.639	695315.73	791723.851	734933.071	910048.81
4.84	4.52	5.66	4.08	4.9	4.58	4.49	4.73	4.59	3.59	3.98
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
4498589.9	4657059.89	5760145.08	6328967.4	9661781.27	7419908.15	6460792.51	5271166.75	5104320.49	4766752.63	5984225.48
4498589.9	4657059.89	5760145.08	6328967.4	9661781.27	7419908.15	6460792.51	5271166.75	5104320.49	4766752.63	5984225.48
1638557.8	1593405.14	1739053.89	1734498.17	2388735.54	1974113.32	1982613.99	1760331.58	1865985.04	1624763.52	1745940.94
58747.2072	58595.8295	62147.5953	61833.6357	82651.0878	67264.6609	72755.1421	66921.6386	70208.6517	60175.2597	58594.9421
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
4498589.9	4657059.89	5760145.08	6328967.4	9661781.27	7419908.15	6460792.51	5271166.75	5104320.49	4766752.63	5984225.48
70953.8418	65515.536	65111.2241	65634.5467	112560.289	89929.1689	91487.0137	74434.288	83970.0434	73585.814	78177.8936
20200.8552	21698.3995	24197.6453	23696.4097	27054.6558	23099.9869	26382.3901	26967.8006	27163.3877	21268.3297	17961.9341
567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942
567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942

2037-08	2037-09	2037-10	2037-11	2037-12
32.07465	28.2247	31.304719	32.944695	34.384734
21.139625	21.139599	21.139574	21.1396	21.139524
31.946823	28.096853	31.176864	32.81685	34.256873
32.045151	28.195197	31.275214	32.915192	34.355228
31.30769	27.457618	30.537591	32.177625	33.617569
31.592842	27.742815	30.822805	32.462817	33.902797
32.025486	28.175528	31.255544	32.895524	34.335557
32.064817	28.214866	31.294884	32.934861	34.374898

26.701925	26.701925	26.701925	26.701925	26.701925
1.69	1.69	1.69	1.69	1.69
31.76	27.91	30.99	32.63	34.07
6.01184	5.990032	6.069802	7.069533	7.87312
25.863404	23.294928	25.35491	26.531552	27.558519
25.863404	23.294928	25.35491	26.531552	27.558519
0.27788	0.41682		0.13894	0.13894
0.001023	0.003915		0.000311	0.000405
0.001023	0.003912		0.000311	0.000362
888.780753			33.560808	118.24191
2.3827			0.11599	0.307863
9.4	33.8		2.8	3.2
0.025171	0.04013	0.027831	0.025775	0.022959
130.6036	469.6172		38.9032	44.4608
3487.36761	12539.6835		1038.79035	1187.18897
0.566638	0.849957		0.283319	0.283319
212.883868	765.476036		63.412216	72.471104
8948.925	8293.275	8574.525	8768.025	8617.5
21.933639	21.59707	21.873788	21.865399	21.983418
9180	8640	8820	9000	8820
22.5	22.5	22.5	22.44389	22.5
9.4	33.8		2.8	3.2
7.903275	11.860176		3.951637	3.951637
7.903275	11.860176		3.951637	3.951637
3714.53948	13368.6409		1106.45857	1264.52408
4024.12923	17156.2713		1231.38821	1377.87213
309.589749	3787.63042		124.929638	113.348054

4024.12923	17156.2713		1231.38821	1377.87213
14.22	17.89	6.7	7.52	8.62
2825.75873	13368.6409		1072.89776	1146.28217
3047.97884	17156.2713		1197.80319	1247.2139
0.364407	0.6		0.193933	0.181298
7.150854	33.8		2.715071	2.900777
401.452291			395.163774	395.163774
8.029045			3.951637	3.951637
9.4	33.8		2.8	3.2
0.023039	0.08802		0.006982	0.008163
309.589749	3787.63042		124.929638	113.348054
309.589749	3787.63042		124.929638	113.348054
2.249145			0.084928	0.299222
888.780753			33.560808	118.24191
0.21	0.35		0.04	0.06
-309.58975	-3787.6304		-124.92964	-113.34805
-3357.5686	-20943.902		-1322.7328	-1360.562
0.05				
153.7567	367.9364		40.2078	58.7418
	0.01			
	12.1053			
3714.53948	13368.6409		1106.45857	1264.52408
3714.53948	13368.6409		1106.45857	1264.52408
3700.25148	13305.1596		1102.20257	1259.66008
9.4	33.8		2.8	3.2
	12.1053			
3714.53948	13368.6409		1106.45857	1264.52408
14.288	51.376		4.256	4.864
2.91989	2.35475	1.78961	2.35475	1.41285
0.07643	0.065797	0.055428	0.051942	0.050973
0.073872	0.064609	0.054081	0.05085	0.049056
120667.68	33697.7354	26698.7385	59309.2774	108005.683
384.391903	126.87659	106.223283	203.386875	322.788536
1748.12	1438.98	1229.6	1179.72	1115.34

0.028651	0.036276	0.029897	0.032775	0.027576
16465.5423	13553.7526	11581.6024	11111.7827	10505.3875
139592.471	116114.742	117907.222	102702.051	115775.096
2.067855	1.862834	1.533667	2.062871	1.348753
12949.2976	3570.5827	2447.58278	5784.62645	8853.36627
22985.98	21464.06	22056.24	22439.62	22109.02
56.338186	55.895989	56.265918	55.959152	56.400561
23664	22272	22736	23200	22736
58	58	58	57.855361	58
1748.12	1438.98	1229.6	1179.72	1115.34
22.807861	20.299853	16.541487	22.225547	14.325014
22.807861	20.299853	16.541487	22.225547	14.325014
158212.344	131515.834	131058.977	115330.142	127664.484
240043.153	247633.077	179688.482	162741.444	204682.536
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
240043.153	247633.077	179688.482	162741.444	204682.536
179.08	99.77	125.4	137.94	118.39
37544.6644	97818.0989	104360.239	56020.865	19658.8017
56073.6506	189093.994	143776.084	82241.6788	32290.7704
4.910052	11.997606	9.707835	9.469389	2.335398
373.314012	1059.89701	969.744094	565.575563	175.392418
78.347952	79.492392	90.426311	92.245527	106.509858
24.284925	16.596834	14.465335	22.955302	14.911376
1748.12	1438.98	1229.6	1179.72	1115.34
4.284607	3.747343	3.136734	2.941945	2.845255
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
1374.80599	379.082991	259.855905	614.144436	939.947581
120667.68	33697.7354	26698.7385	59309.2774	108005.683
6.63	7.66	10.22	7.6	2.58
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-137904.46	-305211.24	-192405.59	-129652.98	-109308.82
8.97	1.38	1.08	3.57	5.03
9352.1981	5948.7575	5138.6903	5804.5279	6401.6448
0.13	0.24	0.19	0.2	0.1

72.3203	133.5144	105.6989	111.262	55.631
158212.344	131515.834	131058.977	115330.142	127664.484
158212.344	131515.834	131058.977	115330.142	127664.484
139592.471	116114.742	117907.222	102702.051	115775.096
1748.12	1438.98	1229.6	1179.72	1115.34
72.3203	133.5144	105.6989	111.262	55.631
158212.344	131515.834	131058.977	115330.142	127664.484
18547.5532	15267.5778	13046.056	12516.8292	11833.7574
0.08	0.15	1.31	0.63	0.01
11.295328	11.360406	11.321094	11.290319	11.271443
0.520966	0.489271	0.509767	0.530514	0.550999
0.505699	0.469097	0.490473	0.509209	0.535344
995234.386	802817.883	853126.904	958395.212	1012526.92
3349.45972	3405.4126	3522.78618	3440.55546	3093.62813
22902.13	19994.816	21341.486	22608.89	23293.892
0.031764	0.042994	0.038928	0.04065	0.030408
255311.044	224377.69	238466.54	251469.44	258159.344
438088.048	384905.206	409471.038	431611.293	444815.179
3.711	3.711	3.711	3.711	3.711
515983.621	453467.311	481940.878	508219.737	521740.035
43849.44	40791.39	41818.14	42595.14	42188.88
107.474117	106.227578	106.678928	106.222294	107.624693
45288	42624	43512	44400	43512
111	111	111	110.723192	111
22902.13	19994.816	21341.486	22608.89	23293.892
44.398604	44.816068	44.652232	44.500152	44.347663
43.927263	44.167137	44.020822	43.906788	43.826898
1009529.26	890587.704	946156.444	997050.643	1023561.77
1064909.76	883545.757	950230.89	1059139.96	1156120.83
55380.5046	-7041.9476	4074.44619	62089.3133	132559.061
1064909.76	883545.757	950230.89	1059139.96	1156120.83
395.04	367.49	376.74	383.74	380.08
5500.37188	76294.071	81768.2894	27501.4314	1489.59738
10755.8396	189819.431	166193.113	52446.9263	2458.73979

4.151952	15.827422	16.318323	8.709692	3.106225
128.98194	1786.53037	1921.13522	649.099546	35.226992
25.426644	18.589951	23.517083	27.071247	28.93424
25.424423	18.559214	23.493987	27.061572	28.932488
22902.13	19994.816	21341.486	22608.89	23293.892
56.132671	52.069833	54.442566	56.381271	59.423193
-78070.578	-124324.17	-120572.01	-69353.763	-2380.8286
-78070.578	-124324.17	-120572.01	-69353.763	-2380.8286
22773.1481	18208.2856	19420.3508	21959.7905	23258.665
995234.386	802817.883	853126.904	958395.212	1012526.92
2.51	10.27	17.93	11.96	1.01
-55380.505	7041.94757	-4074.4462	-62089.313	-132559.06
-66136.344	-182777.48	-170267.56	-114536.24	-135017.8
348.28	303.94	305.66	329.62	348.65
114801.728	84291.9927	88704.8375	103747.982	121717.214
0.82	1.07	1.05	1.04	0.89
8794.5	11475.75	11261.25	11154	9545.25
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
954071.668	838372.517	891411.916	939831.03	966555.214
22902.13	19994.816	21341.486	22608.89	23293.892
8794.5	11475.75	11261.25	11154	9545.25
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
46663.0899	40739.4376	43483.2777	46065.6134	47461.305
3.52	16.59	21.4	11.34	1.74
0.3	0.45		0.15	0.15
0.000514	0.003531		0.000315	0.00031
0.000514	0.003515		0.00025	0.00028
63.121012				
0.165061				
0.63	4.05		0.3	0.33
0.030147	0.033567	0.01829	0.028375	0.023418
9.45	60.75		4.5	4.95

252.333197	1622.14198		120.158665	132.174531
0.564664	0.846996		0.282332	0.282332
14.470785	93.026474		6.89085	7.579935
1187.1	1113.33	1154.49	1165.95	1148.46
2.909558	2.899296	2.945127	2.907605	2.929744
1224	1152	1176	1200	1176
3	3	3	2.992518	3
0.63	4.05		0.3	0.33
8.469967	12.704951		4.234983	4.234983
8.469967	12.704951		4.234983	4.234983
266.803982	1715.16846		127.049515	139.754466
285.052697	2155.26934		136.052462	145.870612
18.248715	440.100882		9.002946	6.116145
285.052697	2155.26934		136.052462	145.870612
0.21	1.35		0.1	0.11
203.682969	1715.16846		127.049515	139.754466
215.62955	2155.26934		136.052462	145.870612
0.057925	0.09		0.03	0.03
0.480953	4.05		0.3	0.33
423.498384				
4.234983				
0.63	4.05		0.3	0.33
0.001544	0.010546		0.000748	0.000841
18.248715	440.100882		9.002946	6.116145
18.248715	440.100882		9.002946	6.116145
0.149046				
63.121012				
-18.248715	-440.10088		-9.002946	-6.116145
-233.87827	-2595.3702		-145.05541	-151.98676
71.1471	295.9226		28.454	40.0658
0.08	0.32		0.03	0.07
266.803982	1715.16846		127.049515	139.754466
266.803982	1715.16846		127.049515	139.754466
266.803982	1715.16846		127.049515	139.754466
0.63	4.05		0.3	0.33

266.803982	1715.16846		127.049515	139.754466
12.06434	12.222063	12.09927	12.071475	12.074611
0.569874	0.524145	0.557663	0.579214	0.586322
0.544215	0.49966	0.534421	0.554037	0.561228
333438.805	291828.186	315211.383	331884.3	329395.856
1122.70459	1250.00474	1308.86386	1194.41966	1006.33229
9547.72	8250.4	9008.21	9529.45	9460.06
0.043578	0.046848	0.042525	0.04465	0.041581
112764.616	98654.6522	106670.418	112148.121	111162.104
193344.139	169398.708	182718.971	192510.76	191228.702
2.8206	2.8206	2.8206	2.8206	2.8206
127491.675	111538.95	120601.574	126794.666	125679.874
16779.46	15738.43	16139.19	16432.02	16155.1
41.126127	40.985494	41.171403	40.977605	41.211989
17544	16512	16856	17200	16856
43	43	43	42.892768	43
9547.72	8250.4	9008.21	9529.45	9460.06
36.012954	36.775465	36.244442	36.11775	36.004042
35.297713	35.739972	35.398412	35.315997	35.31153
339697.431	299200.635	321682.165	337930.768	334752.815
417601.954	346111.624	385007.833	430747.586	447184.337
77904.5235	46910.9893	63325.6678	92816.8179	112431.522
417601.954	346111.624	385007.833	430747.586	447184.337
390.22	366.01	375.33	382.14	375.7

18.84216	22.452056	20.732082	29.371316	37.27189
5.652648	6.960137	5.804982	7.636542	8.199816
9547.72	8250.4	9008.21	9529.45	9460.06
23.401274	21.485416	22.980127	23.764214	24.132806
18962.4586	-4655.7974	7569.04048	34196.9951	54327.0901
18962.4586	-4655.7974	7569.04048	34196.9951	54327.0901

9547.72	8250.4	9008.21	9529.45	9460.06
333438.805	291828.186	315211.383	331884.3	329395.856
-77904.524	-46910.989	-63325.668	-92816.818	-112431.52
-77904.524	-46910.989	-63325.668	-92816.818	-112431.52
4.45	3.57	3.92	1.9	2.33
112766.269	83335.8286	87897.015	102848.506	118919.648
1.18	1.39	1.22	1.14	1.01
6258.6256	7372.4488	6470.7824	6046.4688	5356.9592
398639.496	350767.422	377438.793	396550.591	392857.247
398639.496	350767.422	377438.793	396550.591	392857.247
320835.815	280937.658	303320.546	319305.426	316908.577
9547.72	8250.4	9008.21	9529.45	9460.06
6258.6256	7372.4488	6470.7824	6046.4688	5356.9592
398639.496	350767.422	377438.793	396550.591	392857.247
12602.9904	10890.528	11890.8372	12578.874	12487.2792
0.3	0.45		0.15	0.15
0.000469	0.003515		0.000279	0.000326
0.000465	0.003515		0.00025	0.00028
50.819806				
0.131527				
0.57	4.05		0.3	0.33
0.021151	0.025755	0.027525	0.026825	0.022908
8.55	60.75		4.5	4.95
228.301464	1622.14198		120.158665	132.174531
0.564664	0.846996		0.282332	0.282332
13.092615	93.026474		6.89085	7.579935
1198.11	1122.33	1143.63	1167.81	1149.06
2.936544	2.922734	2.917423	2.912244	2.931275
1224	1152	1176	1200	1176
3	3	3	2.992518	3
0.57	4.05		0.3	0.33
8.469967	12.704951		4.234983	4.234983

8.469967	12.704951		4.234983	4.234983
241.394079	1715.16846		127.049515	139.754466
257.996463	2155.26934		136.052462	145.870612
16.602384	440.100882		9.002946	6.116145
257.996463	2155.26934		136.052462	145.870612
0.19	1.35		0.1	0.11
190.574272	1715.16846		127.049515	139.754466
201.302587	2155.26934		136.052462	145.870612
0.06	0.09		0.03	0.03
0.45	4.05		0.3	0.33
0.57	4.05		0.3	0.33
0.001397	0.010546		0.000748	0.000841
16.602384	440.100882		9.002946	6.116145
16.602384	440.100882		9.002946	6.116145
0.12				
50.819806				
	0.03			0.02
-16.602384	-440.10088		-9.002946	-6.116145
-217.90497	-2595.3702		-145.05541	-151.98676
64.0831	295.9226		28.454	40.0658
0.07	0.32		0.03	0.07
241.394079	1715.16846		127.049515	139.754466
241.394079	1715.16846		127.049515	139.754466
241.394079	1715.16846		127.049515	139.754466
0.57	4.05		0.3	0.33
241.394079	1715.16846		127.049515	139.754466
3.402362	2.984386	1.974676	2.1193	1.561411
0.033413	0.038287	0.019147	0.018608	0.028946
0.032338	0.036953	0.018586	0.018275	0.027841
35626.7617	8019.36597	2461.60016	6259.90018	30338.7334
106.599095	27.936384	9.997279	21.743195	89.165506

659.7	709.5	364.3	365.5	545.7
0.024852	0.030742	0.031364	0.028762	0.030561
9472.5	10235.1	5188.7	5228.3	7901.7
87275.658	93990.0138	57189.1057	47739.8301	79941.7785
1.634225	1.481519	1.160602	1.103304	1.030205
4217.69264	868.686912	221.535638	894.830695	3047.40495
19899.6	18532.5	18982.7	19418	18969.2
48.773529	48.261718	48.425255	48.42394	48.390816
20400	19200	19600	20000	19600
50	50	50	49.875311	50
659.7	709.5	364.3	365.5	545.7
43.856494	38.560615	30.24999	25.667507	22.641747
23.22225	21.22695	16.493079	15.622286	14.678952
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
122707.325	161221.725	69955.111	65941.0504	113756.282
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
122707.325	161221.725	69955.111	65941.0504	113756.282
293.73	171.64	198.58	199.94	155.94
51804.3043	86236.6879	54849.8416	41589.5419	49741.8101
71566.1621	148483.635	66995.4792	57913.9599	69719.6294
3.101971	4.598271	3.087904	2.947824	1.404402
362.350252	648.345027	348.515827	302.169604	331.441343
110.45794	120.78997	136.253398	108.603409	162.163365
26.364889	15.702696	14.987873	13.032409	14.594702
659.7	709.5	364.3	365.5	545.7
1.616911	1.847656	0.929336	0.911471	1.392091
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
297.349747	61.154972	15.784172	63.330395	214.258656
35626.7617	8019.36597	2461.60016	6259.90018	30338.7334
7.8	9.9	5.13	4.67	7.92
-35276.259	-66965.671	-12643.669	-18091.608	-33675.738
-106842.42	-215449.31	-79639.149	-76005.568	-103395.37
2.27	0.49	0.1	0.51	1.63
7075.3359	6025.4342	2715.4063	3388.4103	6680.6661

0.04	0.14	0.1	0.06	0.01
35.48	112.976	77.496	53.22	6.069
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
87275.658	93990.0138	57189.1057	47739.8301	79941.7785
659.7	709.5	364.3	365.5	545.7
35.48	112.976	77.496	53.22	6.069
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
119.928	153.064	44.84	56.391999	132.695999
0.18	0.02	0.2	0.19	0.03
0.3	0.3		0.15	0.15
0.000514	0.00349		0.000291	0.000229
0.000514	0.003437		0.00025	0.000229
67.984621				
0.175952				
0.84	5.28		0.4	0.36
0.028602	0.015468	0.025994	0.0408	0.025969
12.6	79.2		6	5.4
336.444262	2114.79251		160.211553	144.190398
0.566538	0.566538		0.283269	0.283269
20.475	128.7		9.75	8.775
1585.32	1512.24	1527.24	1534.72	1527.28
3.885588	3.938125	3.89602	3.827231	3.896122
1632	1536	1568	1600	1568
4	4	4	3.990024	4
0.84	5.28		0.4	0.36
8.498077	8.498077		4.249038	4.249038
8.498077	8.498077		4.249038	4.249038
356.919262	2243.49251		169.961553	152.965398
380.070262	2822.56852		181.403282	160.530687
23.151	579.076012		11.441728	7.565289
380.070262	2822.56852		181.403282	160.530687
0.21	1.32		0.1	0.09
288.934641	2243.49251		169.961553	152.965398

304.478427	2822.56852		181.403282	160.530687
0.08	0.08		0.04	0.04
0.68	5.28		0.4	0.36
472.714455				
4.727144				
0.84	5.28		0.4	0.36
0.002058	0.01375		0.000997	0.000918
23.151	579.076012		11.441728	7.565289
23.151	579.076012		11.441728	7.565289
0.16				
67.984621				
0.17	1.31		0.1	0.09
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-327.62943	-3401.6445		-192.84501	-168.09598
0.04				
71.1471	289.6522		28.454	32.9633
0.08	0.3		0.03	0.06
356.919262	2243.49251		169.961553	152.965398
356.919262	2243.49251		169.961553	152.965398
356.919262	2243.49251		169.961553	152.965398
0.84	5.28		0.4	0.36
356.919262	2243.49251		169.961553	152.965398

10.835114	10.958578	10.867978	10.854364	10.835943
0.375254	0.331331	0.367327	0.389998	0.410389
0.351433	0.311844	0.345323	0.371682	0.391669
338826.448	286194.621	320814.021	350173.237	361476.17
1135.14342	1228.083	1330.66088	1258.22589	1102.59271
8402.36	7017.242	7932.492	8712.228	8997.112
0.0662	0.057786	0.063239	0.050325	0.049311
88369.6717	74724.3871	83687.9019	91389.2565	93964.0539
153342.42	129605.403	145242.37	158337.674	164207.059
3.724299	3.724299	3.724299	3.724299	3.724299
179770.423	152011.821	170246.299	185913.164	191151.075
22326.014	21202.066	21518.506	22260.382	21838.462

54.720622	55.213713	54.894147	55.512174	55.710362
23908.8	22502.4	22971.2	23440	22971.2
58.599999	58.599999	58.599999	58.453865	58.599999
8402.36	7017.242	7932.492	8712.228	8997.112
47.63626	48.894081	46.904122	47.14775	46.702791
40.997197	41.455733	41.119421	41.067924	40.987612
376125.575	322003.598	352887.82	385308.524	394443.785
456931.167	368899.311	412846.888	479378.618	525941.404
80805.5918	46895.7129	59959.0677	94070.0944	131497.619
456931.167	368899.311	412846.888	479378.618	525941.404
380.99	361.81	367.21	379.87	372.67
	194.327248	68.741655	1.916584	
	557.840794	130.736293	1.812378	
	1.639531	1.03012	0.043897	
	4.761236	1.616203	0.043897	
27.178585	22.397763	27.548787	31.902218	31.414118
22.014654	19.037867	25.602918	26.157405	25.445435
8402.36	7017.242	7932.492	8712.228	8997.112
20.594019	18.274067	20.235948	21.726254	22.951816
34614.7644	7837.27577	16215.4013	46300.93	82382.6078
34614.7644	7837.27577	16215.4013	46300.93	82382.6078
8402.36	7012.48076	7930.8758	8712.1841	8997.112
338826.448	286194.621	320814.021	350173.237	361476.17
	0.09	0.01		
-80805.592	-46895.713	-59959.068	-94070.094	-131497.62
-80805.592	-47453.554	-60089.804	-94071.907	-131497.62
18.43	24.25	21.41	24.43	18.54
101791.77	77080.3719	80922.8019	95963.2404	110613.733
1.55	1.48	1.33	1.46	1.37
37299.1265	35614.6499	32005.057	35133.3708	32967.6151
422316.402	361062.035	396631.486	433077.688	443558.796
422316.402	361062.035	396631.486	433077.688	443558.796
333112.844	281617.223	315488.668	344250.838	355358.134
8402.36	7017.242	7932.492	8712.228	8997.112

37299.1265	35614.6499	32005.057	35133.3708	32967.6151
422316.402	361062.035	396631.486	433077.688	443558.796
5713.6048	4771.72456	5394.09456	5924.31504	6118.03616
	0.11	0.06	0.01	
3	2.4	1.65	1.8	1.2
0.030296	0.036214	0.01559	0.016566	0.028462
0.029142	0.035312	0.01551	0.016375	0.028188
6434.86815	1353.5297	351.575166	786.693187	5546.15946
19.041014	4.595574	1.497243	2.676511	16.005952
166.46	189.84	85.12	91.7	154.7
0.040147	0.026145	0.025076	0.030425	0.023954
2496.9	2847.6	1276.8	1375.5	2320.5
23162.8649	26097.7992	15042.9705	12683.1119	23560.5798
1.360623	1.19879	1.011063	0.844272	0.693164
774.244633	148.592674	28.296912	118.621294	571.012055
5482.68	5235.44	5350.38	5429.62	5356.54
13.437941	13.633958	13.648928	13.540199	13.664642
5712	5376	5488	5600	5488
14	14	14	13.965087	14
166.46	189.84	85.12	91.7	154.7
20.457145	18.027363	15.222501	12.745815	10.428716
20.457145	18.027363	15.222501	12.745815	10.428716
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
32560.4793	43988.3891	18182.5489	17421.5808	33106.3228
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
32560.4793	43988.3891	18182.5489	17421.5808	33106.3228
156.05	91.76	105.26	101.81	85.6
16759.4967	24807.2695	14722.8954	11927.9187	18024.9203
23198.9533	41782.5011	17774.814	16386.7143	25002.2851
2.327493	2.226135	1.533765	1.650339	0.785626
114.843691	179.933821	83.233539	83.791913	116.632529
109.628753	122.709611	184.421871	98.073716	151.315954
19.733175	9.816768	7.376874	7.845897	9.078957
166.46	189.84	85.12	91.7	154.7

0.40799	0.494375	0.217142	0.228678	0.394642
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
51.616308	9.906178	1.88646	7.908086	38.06747
6434.86815	1353.5297	351.575166	786.693187	5546.15946
2.84	3.52	3.02	2.38	1.82
-9366.1144	-17827.59	-3108.0784	-4706.9689	-9535.2431
-32565.068	-59610.091	-20882.892	-21093.683	-34537.528
1.18	0.1	0.07	0.21	0.45
3756.1244	3232.1443	1456.7139	1861.6041	3662.9817
0.03	0.06	0.03	0.03	0.01
31.5	63	31.5	31.5	10.5
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
23162.8649	26097.7992	15042.9705	12683.1119	23560.5798
166.46	189.84	85.12	91.7	154.7
31.5	63	31.5	31.5	10.5
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
0.23		0.03	0.28	
11.392882	11.501837	11.413659	11.38461	11.37789
0.300868	0.278809	0.288941	0.300763	0.313189
0.290017	0.26707	0.277695	0.289371	0.30278
1831299.66	1423911.32	1518664.22	1706842.18	1847407.77
6120.19499	6042.90889	6280.02872	6121.12358	5630.82099
43437.93	37647.958	39961.208	42491.288	43571.024
0.033192	0.035132	0.032912	0.034375	0.029928
485041.478	425063.499	446871.962	472776.303	484072.85
1039110.05	938010.632	927571.678	947024.039	1021124.12
3.623203	3.632557	3.613947	3.585584	3.618451
823506.642	718098.311	772788.751	821014.511	838667.39
17941.2349	4587.86229	2697.41533	6798.07844	12471.7833
144242.629	135005.061	138265.041	141211.287	139059.502
353.535855	351.575679	352.716941	352.147847	354.743627
149776.8	140966.4	143903.2	146840	143903.2

367.099999	367.099999	367.099999	366.184538	367.099999
43437.93	37647.958	39961.208	42491.288	43571.024
248.51061	253.141604	189.814776	205.075168	191.12062
42.942278	43.418476	42.846994	42.436196	42.743581
1998769.7	1782767.09	1824171.32	1897714.65	1985771.48
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
340931.395	292922.166	191740.434	319340.482	496850.38
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
1809.94	1480.39	1555.22	1593.26	1497.31
115117.788	304392.925	255770.007	138538.632	90493.886
165363.995	594026.781	394870.227	210642.403	131170.91
1.650524	3.795203	4.96655	2.369354	0.847032
988.251704	3726.64747	3324.24488	1604.3956	662.61406
36.617345	25.456757	30.029579	33.736845	33.990265
36.56783	25.421803	30.013897	33.703198	33.989472
43437.93	37647.958	39961.208	42491.288	43571.024
106.465514	98.041557	101.941857	105.963311	111.150571
102347.419	85014.7238	-32406.32	81508.4183	254691.048
102347.419	85014.7238	-32406.32	81508.4183	254691.048
42449.6783	33921.3105	36636.9631	40886.8924	42908.4099
1831299.66	1423911.32	1518664.22	1706842.18	1847407.77
20.16	33.13	36.31	26.75	13.5
-340931.39	-292922.17	-191740.43	-319340.48	-496850.38
-506295.39	-886948.95	-586610.66	-529982.88	-628021.29
383.67	333.73	332.24	360.24	376.63
349903.559	261163.963	266835.465	313739.84	368167.724
3.98	5.33	3.92	4.02	3.59
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
2237353.67	1990674.54	2048318.07	2135546.71	2227930.81
2237353.67	1990674.54	2048318.07	2135546.71	2227930.81
1862616.69	1656108.94	1700360.43	1768038.55	1859791.51
43437.93	37647.958	39961.208	42491.288	43571.024
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
2237353.67	1990674.54	2048318.07	2135546.71	2227930.81

83661.4543	71873.708	73859.1055	77146.2796	78037.9377
4.01	16.87	23	12.45	1.78
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
1196080.39	489465.885	635814.701	896148.999	1275191.68
3900.32947	1986.9103	2566.76822	3164.39744	3826.35992
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
121782.789	91106.8763	95209.197	111627.404	128692.199
1196080.39	489465.885	635814.701	896148.999	1275191.68
383.45	333.55	332.03	359.93	376.37
268.338021	216.603987	195.077845	220.199712	265.63761
152.358735	103.006273	102.022211	122.34285	159.9664
60545.2887	36505.5565	36056.1397	46632.9542	61926.5725
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
-298.48723	-237.25749	-242.8806	-278.37258	-328.29643
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
-32.605958	-28.223808	-31.245458	-33.099439	-34.499931
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
5168412.57	3061262.29	3606745.18	4592614.03	5728694.6
121782.789	91106.8763	95209.197	111627.404	128692.199
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
1196080.39	489465.885	635814.701	896148.999	1275191.68
3900.32947	1986.9103	2566.76822	3164.39744	3826.35992
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
121782.789	91106.8763	95209.197	111627.404	128692.199
1196080.39	489465.885	635814.701	896148.999	1275191.68
383.45	333.55	332.03	359.93	376.37
268.338021	216.603987	195.077845	220.199712	265.63761
152.358735	103.006273	102.022211	122.34285	159.9664

60545.2887	36505.5565	36056.1397	46632.9542	61926.5725
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
-298.48723	-237.25749	-242.8806	-278.37258	-328.29643
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
-32.605958	-28.223808	-31.245458	-33.099439	-34.499931
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
5168412.57	3061262.29	3606745.18	4592614.03	5728694.6
121782.789	91106.8763	95209.197	111627.404	128692.199
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92

5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
171871.933	183274.094	229399.833	253003.088	263752.074
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
13.245539	16.84033	18.75183	19.278393	19.640153
171871.933	183274.094	229399.833	253003.088	263752.074
171871.933	183274.094	229399.833	253003.088	263752.074
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
-171871.93	-183274.09	-229399.83	-253003.09	-263752.07
-171871.93	-183274.09	-229399.83	-253003.09	-263752.07
121782.789	91106.8763	95209.197	111627.404	128692.199
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017

5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
171871.933	183274.094	229399.833	253003.088	263752.074
171871.933	183274.094	229399.833	253003.088	263752.074

6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
193006.068	206146.445	258048.495	284270.555	296430.923
35.96126	44.472275	21.491037	26.343296	10.849318
1.078837	2.223613	1.074551	1.84403	0.216986
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
14.871635	18.934545	21.086053	21.663143	22.073475
193006.068	206146.445	258048.495	284270.555	296430.923
193006.068	206146.445	258048.495	284270.555	296430.923
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241

-193006.07	-206146.45	-258048.5	-284270.55	-296430.92
-193006.07	-206146.45	-258048.5	-284270.55	-296430.92
0.16	0.27	0.45	0.56	0.09
121782.789	91106.8763	95209.197	111627.404	128692.199

6067.62748	7270.86556	8265.73305	8686.92066	8652.80241

6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
193006.068	206146.445	258048.495	284270.555	296430.923
193006.068	206146.445	258048.495	284270.555	296430.923

3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
124359.61	87904.0205	79566.2574	94820.0722	119768.449
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
9.695833	7.814609	6.4598	7.311636	8.849851
124359.61	87904.0205	79566.2574	94820.0722	119768.449
124359.61	87904.0205	79566.2574	94820.0722	119768.449
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
-124359.61	-87904.02	-79566.257	-94820.072	-119768.45
-124359.61	-87904.02	-79566.257	-94820.072	-119768.45
121782.789	87832.5188	95209.197	111627.404	128692.199
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
124359.61	87904.0205	79566.2574	94820.0722	119768.449
124359.61	87904.0205	79566.2574	94820.0722	119768.449
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
103682.638	115119.742	138230.779	152410.209	137591.783
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
8.235575	10.264705	11.14133	11.865423	10.296765
103682.638	115119.742	138230.779	152410.209	137591.783
103682.638	115119.742	138230.779	152410.209	137591.783
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
-103682.64	-115119.74	-138230.78	-152410.21	-137591.78

-103682.64	-115119.74	-138230.78	-152410.21	-137591.78
119884.68	90795.8482	95107.4338	111627.404	127733.043
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
103682.638	115119.742	138230.779	152410.209	137591.783
103682.638	115119.742	138230.779	152410.209	137591.783
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
592920.249	592444.302	705245.365	784503.924	817543.229
35.96126	44.472275	21.491037	26.343296	10.849318
1.078837	2.223613	1.074551	1.84403	0.216986
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
46.048584	53.85419	57.439015	60.118597	60.860245
592920.249	592444.302	705245.365	784503.924	817543.229
592920.249	592444.302	705245.365	784503.924	817543.229
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
-592920.25	-592444.3	-705245.36	-784503.92	-817543.23
-592920.25	-592444.3	-705245.36	-784503.92	-817543.23
0.16	0.27	0.45	0.56	0.09
485233.048	360842.12	380735.025	446509.617	513809.639
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
592920.249	592444.302	705245.365	784503.924	817543.229

592920.249	592444.302	705245.365	784503.924	817543.229

11.392882	11.501837	11.413659	11.38461	11.37789
0.300868	0.278809	0.288941	0.300763	0.313189
0.290017	0.26707	0.277695	0.289371	0.30278
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3027380.04	1913377.21	2154478.92	2602991.18	3122599.45
10020.5245	8029.81919	8846.79695	9285.52102	9457.1809
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485041.478	425063.499	446871.962	472776.303	484072.85
1039110.05	938010.632	927571.678	947024.039	1021124.12
3.623203	3.632557	3.613947	3.585584	3.618451
823506.642	718098.311	772788.751	821014.511	838667.39
17941.2349	4587.86229	2697.41533	6798.07844	12471.7833
144242.629	135005.061	138265.041	141211.287	139059.502
353.535855	351.575679	352.716941	352.147847	354.743627
149776.8	140966.4	143903.2	146840	143903.2
367.099999	367.099999	367.099999	366.184538	367.099999
43437.93	37647.958	39961.208	42491.288	43571.024
248.51061	253.141604	189.814776	205.075168	191.12062
42.942278	43.418476	42.846994	42.436196	42.743581
1998769.7	1782767.09	1824171.32	1897714.65	1985771.48
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
121782.789	91106.8763	95209.197	111627.404	128692.199
340931.395	292922.166	191740.434	319340.482	496850.38
2932621.34	2668133.56	2721157.12	3001559.06	3300165.08
1809.94	1480.39	1555.22	1593.26	1497.31
115117.788	304392.925	255770.007	138538.632	90493.886
25.863404	23.294928	25.35491	26.531552	27.558519
1196080.39	489465.885	635814.701	896148.999	1275191.68

383.45	333.55	332.03	359.93	376.37
268.338021	216.603987	195.077845	220.199712	265.63761
9.52242	6.437892	8.50185	7.646428	9.9979
60,545.29	36,505.56	36,056.14	46,632.95	61,926.57
165363.995	594026.781	394870.227	210642.403	131170.91
1.134735	2.609202	2.897154	1.628931	0.582334
988.25	3,726.65	3,324.24	1,604.40	662.61
36.486157	25.482899	30.032736	33.631088	33.989748
36.436642	25.448033	30.017078	33.600499	33.988955
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-26.917092	-20.800999	-24.129413	-25.361603	-26.240301
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61237.5006	54601.3198	59153.0573	64994.4501	66765.6263
1831299.66	1423911.32	1518664.22	1706842.18	1847407.77
3038480.54	1686429.94	2073944.68	2592620.62	3139109.31
4069196.93	1581869.04	2314889.15	3278127.22	4283130.08
956919.396	713112.959	742779.687	871876.862	1010669.56
3.98	5.33	3.92	4.02	3.59
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
1862616.69	1656108.94	1700360.43	1768038.55	1859791.51
62225.7523	58327.9673	62477.3022	66598.8457	67428.2403
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
83661.4543	71873.708	73859.1055	77146.2796	78037.9377
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
592920.249	592444.302	705245.365	784503.924	817543.229
592920.249	592444.302	705245.365	784503.924	817543.229

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl base - SD_
Date Intervals	Monthly
Stats	MEAN
Peak Period Label	5x16

Value	Column Labels	
Row Labels	2017-01	2017-02
Fixed Cost		
FIXEDCOST - Fixed Cost	2762650.5	2511500.46
NETREVENUE - Net Revenue $	-2762650.5	-2511500.5
NETREVENUEUNHEDGED - Net Revenue without hedges	-2762650.5	-2511500.5
NWECOSTS - NWE Costs	2762650.5	2511500.46
NWECOSTSMPS - NWE Costs w/ MPS	2762650.5	2511500.46
TOTALCOSTOFSUPPLY - Total Cost of Supply	2762650.5	2511500.46
Forward Curve		
N/A		
Aberdeen		
MARKETPRICE - Market Price $/Unit	31.769999	31.82
Basis\CO2 SD Triangular		
MARKETPRICE - Market Price $/Unit	0	0
Beethoven		
MARKETPRICE - Market Price $/Unit	31.639999	31.69
Big Stone		
MARKETPRICE - Market Price $/Unit	31.739999	31.79
Coyote		
MARKETPRICE - Market Price $/Unit	30.99	31.04
Huron		
MARKETPRICE - Market Price $/Unit	31.28	31.33
Load		
MARKETPRICE - Market Price $/Unit	31.719999	31.77
Neal		
MARKETPRICE - Market Price $/Unit	31.759999	31.81
Oil2 - SD		
MARKETPRICE - Market Price $/Unit	17.96963	17.96963
PRB - SD 8400		
MARKETPRICE - Market Price $/Unit	0.89	0.89
SPP - IND HUB		
MARKETPRICE - Market Price $/Unit	31.45	31.5
VENTURA - AECO		
MARKETPRICE - Market Price $/Unit		3.789692
N/A - Total		
MARKETPRICE - Market Price $/Unit	24.65542	22.949943
Forward Curve - Total		
Forward Curve - Total - Total		
MARKETPRICE - Market Price $/Unit	24.65542	22.949943

Generation Asset		
Aberdeen		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		
CAPACITYFACTOR - Net Generation Capacity Factor		
CAPACITYFACTORNOOUTS - Capacity Factor, %		
COSTTOSERVELOAD - Cost to Serve Load		
COSTTOSERVELOADPMW - Cost to Serve Load PMW		
EXPORTGENERATION - Export generation		
FO - Forced Outage Rate	0.031903	0.031687
FUELCONSUMED - Fuel Consumed		
FUELCOST - Fuel Cost		
FUELCOSTPMMBTU - Cost, $/mmBtu		
FUELDELIVERYCOST - Fuel Delivery Cost		
GENCAPACITY - Net Thermal Generation Capacity MWh	7667.325	6971.85
GENCAPACITYMW - Net Thermal Generation Capacity	21.782173	21.787031
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	7920	7200
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5
GENERATION - Thermal Generation MWh		
GENERATIONCOSTPMW - Generation Cost		
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		
GENERATIONCOSTS - Thermal Generation Costs		
GENERATIONGROSSREVENUE - Gross Generation Revenue		
GENERATIONNETREVENUE - Net Revenue Generation		
GROSSREVENUE - Gross Revenue, $		
HOURSRUN - Runtime Hours		
MARKETGENERATIONCOST - Market Sales Generation Costs		
MARKETSALES - Spot Sales $		
MARKETSALESMW - Spot Sales		
MARKETSALESMWH - Spot Sales MWh		
MCP - MCP		
MCPMINSPOTPRICE - MCP min spot price		
NETPOS - Net Position (MWh)		
NETPOSMW - Net position per MW		
NETREVENUE - Net Revenue $		
NETREVENUEUNHEDGED - Net Revenue without hedges		
NLGENERATION - Native Load Generation MWh		
NLGENERATIONCOST - Native Load Generation Costs		
NonZeroMCPHour - Market sales hours greater than colstrip price		
NWECOSTS - NWE Costs		
NWECOSTSMPS - NWE Costs w/ MPS		
OTHERMCPHOUR - Other MCP Hours		
PORTFOLIOLOADNATIVE - Portfolio Load		
STARTS - Number Starts		
STARTUPCOST - StartupCost		
TOTALCOSTOFSUPPLY - Total Cost of Supply		
TOTALCOSTS - Total Cost		
TOTALFUELCOST - Total Fuel Cost		

TOTALGEN - All Generation		
TOTALSTARTUPCOST - TotalStartupCost		
TOTALVARIABLECOST - Variable Costs $		
VOMCOSTS - VOM Costs		
Aberdeen GS2		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		7.252629
CAPACITYFACTOR - Net Generation Capacity Factor		0.220322
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.214531
COSTTOSERVELOAD - Cost to Serve Load		22571.6886
COSTTOSERVELOADPMW - Cost to Serve Load PMW		91.875013
EXPORTGENERATION - Export generation		3981.7
FO - Forced Outage Rate	0.029943	0.029875
FUELCONSUMED - Fuel Consumed		37503.6323
FUELCOST - Fuel Cost		135294.505
FUELCOSTPMMBTU - Cost, $/mmBtu		2.529499
GASNLFUELCONSUMED - Native Load Gas Used		5282.48801
GENCAPACITY - Net Thermal Generation Capacity MWh	19804.68	18005.52
GENCAPACITYMW - Net Thermal Generation Capacity	56.263295	56.26725
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	20416	18560
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58
GENERATION - Thermal Generation MWh		3981.7
GENERATIONCOSTPMW - Generation Cost		29.556396
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		29.556396
GENERATIONCOSTS - Thermal Generation Costs		164240.488
GENERATIONGROSSREVENUE - Gross Generation Revenue		238890.798
GENERATIONNETREVENUE - Net Revenue Generation		74650.3099
GROSSREVENUE - Gross Revenue, $		238890.798
HOURSRUN - Runtime Hours		220.34
MARKETGENERATIONCOST - Market Sales Generation Costs		141668.799
MARKETSALES - Spot Sales $		205876.468
MARKETSALESMW - Spot Sales		41.390855
MARKETSALESMWH - Spot Sales MWh		3420.86679
MCP - MCP		40.997312
MCPMINSPOTPRICE - MCP min spot price		29.466015
NETPOS - Net Position (MWh)		3981.7
NETPOSMW - Net position per MW		12.442812
NETREVENUE - Net Revenue $		74650.3099
NETREVENUEUNHEDGED - Net Revenue without hedges		74650.3099
NLGENERATION - Native Load Generation MWh		560.83321
NLGENERATIONCOST - Native Load Generation Costs		22571.6886
NonZeroMCPHour - Market sales hours greater than colstrip price		26.64
NWECOSTS - NWE Costs		-74650.31
NWECOSTSMPS - NWE Costs w/ MPS		-280526.78
OTHERMCPHOUR - Other MCP Hours		1.6
PORTFOLIOLOADNATIVE - Portfolio Load		16599.479
STARTS - Number Starts		1.38
STARTUPCOST - StartupCost		516.6444

TOTALCOSTOFSUPPLY - Total Cost of Supply		164240.488
TOTALCOSTS - Total Cost		164240.488
TOTALFUELCOST - Total Fuel Cost		135294.505
TOTALGEN - All Generation		3981.7
TOTALSTARTUPCOST - TotalStartupCost		516.6444
TOTALVARIABLECOST - Variable Costs $		164240.488
VOMCOSTS - VOM Costs		28429.338
zeroMCPHour - Market sales hours less than colstrip price		
Big Stone		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.862191	10.879309
CAPACITYFACTOR - Net Generation Capacity Factor	0.733064	0.727206
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.708891	0.705211
COSTTOSERVELOAD - Cost to Serve Load	637207.413	543605.726
COSTTOSERVELOADPMW - Cost to Serve Load PMW	2535.25632	2255.26338
EXPORTGENERATION - Export generation	27697.822	25049.104
FO - Forced Outage Rate	0.034289	0.031343
FUELCONSUMED - Fuel Consumed	298604.427	270342.617
FUELCOST - Fuel Cost	265584.768	241360.076
FUELCOSTPMMBTU - Cost, $/mmBtu	2.3267	2.3267
FUELDELIVERYCOST - Fuel Delivery Cost	429004.98	388401.238
GENCAPACITY - Net Thermal Generation Capacity MWh	37732.23	34406.67
GENCAPACITYMW - Net Thermal Generation Capacity	107.193835	107.520843
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	39072	35520
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111
GENERATION - Thermal Generation MWh	27697.822	25049.104
GENERATIONCOSTPMW - Generation Cost	26.888309	26.880708
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	26.643907	26.679555
GENERATIONCOSTS - Thermal Generation Costs	738165.804	668553.746
GENERATIONGROSSREVENUE - Gross Generation Revenue	1015061.45	935398.286
GENERATIONNETREVENUE - Net Revenue Generation	276895.647	266844.54
GROSSREVENUE - Gross Revenue, $	1015061.45	935398.286
HOURSRUN - Runtime Hours	339.93	309.97
MARKETGENERATIONCOST - Market Sales Generation Costs	95328.3514	120472.86
MARKETSALES - Spot Sales $	150800.081	197100.928
MARKETSALESMW - Spot Sales	27.59834	30.38204
MARKETSALESMWH - Spot Sales MWh	3681.026	4634.74789
MCP - MCP	26.068627	22.328267
MCPMINSPOTPRICE - MCP min spot price	26.028065	22.251854
NETPOS - Net Position (MWh)	27697.822	25049.104
NETPOSMW - Net position per MW	78.686994	78.27845
NETREVENUE - Net Revenue $	120815.113	125536.454
NETREVENUEUNHEDGED - Net Revenue without hedges	120815.113	125536.454
NLGENERATION - Native Load Generation MWh	24016.796	20414.3561
NLGENERATIONCOST - Native Load Generation Costs	637207.413	543605.726
NonZeroMCPHour - Market sales hours greater than colstrip price	125.36	87.92
NWECOSTS - NWE Costs	-276895.65	-266844.54
NWECOSTSMPS - NWE Costs w/ MPS	-427695.73	-463945.47

OTHERMCPHOUR - Other MCP Hours	205.33	149.26
PO - Planned Outage Rate		
PORTFOLIOLOADNATIVE - Portfolio Load	82948.5929	72769.6653
STARTS - Number Starts	0.78	0.62
STARTUPCOST - StartupCost	5630.04	4475.16
TOTALCOSTOFSUPPLY - Total Cost of Supply	894246.338	809861.832
TOTALCOSTS - Total Cost	894246.338	809861.832
TOTALFUELCOST - Total Fuel Cost	694589.748	629761.314
TOTALGEN - All Generation	27697.822	25049.104
TOTALSTARTUPCOST - TotalStartupCost	5630.04	4475.16
TOTALVARIABLECOST - Variable Costs $	894246.338	809861.832
VOMCOSTS - VOM Costs	37946.0161	34317.2725
zeroMCPHour - Market sales hours less than colstrip price		
Clark		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		
CAPACITYFACTOR - Net Generation Capacity Factor		
CAPACITYFACTORNOOUTS - Capacity Factor, %		
COSTTOSERVELOAD - Cost to Serve Load		
COSTTOSERVELOADPMW - Cost to Serve Load PMW		
EXPORTGENERATION - Export generation		
FO - Forced Outage Rate	0.043352	0.029437
FUELCONSUMED - Fuel Consumed		
FUELCOST - Fuel Cost		
FUELCOSTPMMBTU - Cost, $/mmBtu		
FUELDELIVERYCOST - Fuel Delivery Cost		
GENCAPACITY - Net Thermal Generation Capacity MWh	1010.22	931.74
GENCAPACITYMW - Net Thermal Generation Capacity	2.869943	2.911687
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1056	960
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3
GENERATION - Thermal Generation MWh		
GENERATIONCOSTPMW - Generation Cost		
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		
GENERATIONCOSTS - Thermal Generation Costs		
GENERATIONGROSSREVENUE - Gross Generation Revenue		
GENERATIONNETREVENUE - Net Revenue Generation		
GROSSREVENUE - Gross Revenue, $		
HOURSRUN - Runtime Hours		
MARKETGENERATIONCOST - Market Sales Generation Costs		
MARKETSALES - Spot Sales $		
MARKETSALESMW - Spot Sales		
MARKETSALESMWH - Spot Sales MWh		
MCP - MCP		
MCPMINSPOTPRICE - MCP min spot price		
NETPOS - Net Position (MWh)		
NETPOSMW - Net position per MW		
NETREVENUE - Net Revenue $		
NETREVENUEUNHEDGED - Net Revenue without hedges		

NLGENERATION - Native Load Generation MWh		
NLGENERATIONCOST - Native Load Generation Costs		
NonZeroMCPHour - Market sales hours greater than colstrip price		
NWECOSTS - NWE Costs		
NWECOSTSMPS - NWE Costs w/ MPS		
OTHERMCPHOUR - Other MCP Hours		
PORTFOLIOLOADNATIVE - Portfolio Load		
STARTS - Number Starts		
TOTALCOSTOFSUPPLY - Total Cost of Supply		
TOTALCOSTS - Total Cost		
TOTALFUELCOST - Total Fuel Cost		
TOTALGEN - All Generation		
TOTALVARIABLECOST - Variable Costs $		
Coyote		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.333955	11.395632
CAPACITYFACTOR - Net Generation Capacity Factor	0.795671	0.780312
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.760502	0.74394
COSTTOSERVELOAD - Cost to Serve Load	252270.182	225108.506
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1006.73771	938.880625
EXPORTGENERATION - Export generation	11510.97	10236.62
FO - Forced Outage Rate	0.044062	0.047562
FUELCONSUMED - Fuel Consumed	129593.037	115538.201
FUELCOST - Fuel Cost	115231.591	103077.02
FUELCOSTPMMBTU - Cost, $/mmBtu	1.8684	1.8684
FUELDELIVERYCOST - Fuel Delivery Cost	126793.828	113042.576
GENCAPACITY - Net Thermal Generation Capacity MWh	14469.07	13105.54
GENCAPACITYMW - Net Thermal Generation Capacity	41.105312	40.954812
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	15136	13760
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43
GENERATION - Thermal Generation MWh	11510.97	10236.62
GENERATIONCOSTPMW - Generation Cost	22.413786	22.534133
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	22.067751	22.177918
GENERATIONCOSTS - Thermal Generation Costs	256018.682	228371.788
GENERATIONGROSSREVENUE - Gross Generation Revenue	393938.672	361351.361
GENERATIONNETREVENUE - Net Revenue Generation	137919.99	132979.573
GROSSREVENUE - Gross Revenue, $	393938.672	361351.361
HOURSRUN - Runtime Hours	336.49	304.78
MARKETGENERATIONCOST - Market Sales Generation Costs		121.682166
MARKETSALES - Spot Sales $		179.054524
MARKETSALESMW - Spot Sales		0.416853
MARKETSALESMWH - Spot Sales MWh		5.835946
MCP - MCP	32.0486	24.700542
MCPMINSPOTPRICE - MCP min spot price	22.754506	16.302357
NETPOS - Net Position (MWh)	11510.97	10236.62
NETPOSMW - Net position per MW	32.701619	31.989437
NETREVENUE - Net Revenue $	70181.7097	72587.7547
NETREVENUEUNHEDGED - Net Revenue without hedges	70181.7097	72587.7547

NLGENERATION - Native Load Generation MWh	11510.97	10230.7841
NLGENERATIONCOST - Native Load Generation Costs	252270.182	225108.506
NonZeroMCPHour - Market sales hours greater than colstrip price		
NWECOSTS - NWE Costs	-137919.99	-132979.57
NWECOSTSMPS - NWE Costs w/ MPS	-137919.99	-133158.63
OTHERMCPHOUR - Other MCP Hours	18.59	12.92
PO - Planned Outage Rate		
PORTFOLIOLOADNATIVE - Portfolio Load	81130.0736	70530.9883
STARTS - Number Starts	1.05	0.88
STARTUPCOST - StartupCost	3748.5	3141.6
TOTALCOSTOFSUPPLY - Total Cost of Supply	323756.963	288763.606
TOTALCOSTS - Total Cost	323756.963	288763.606
TOTALFUELCOST - Total Fuel Cost	242025.419	216119.596
TOTALGEN - All Generation	11510.97	10236.62
TOTALSTARTUPCOST - TotalStartupCost	3748.5	3141.6
TOTALVARIABLECOST - Variable Costs $	323756.963	288763.606
VOMCOSTS - VOM Costs	10244.7633	9110.5918
Faulkton		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		
CAPACITYFACTOR - Net Generation Capacity Factor		
CAPACITYFACTORNOOUTS - Capacity Factor, %		
COSTTOSERVELOAD - Cost to Serve Load		
COSTTOSERVELOADPMW - Cost to Serve Load PMW		
EXPORTGENERATION - Export generation		
FO - Forced Outage Rate	0.032187	0.02975
FUELCONSUMED - Fuel Consumed		
FUELCOST - Fuel Cost		
FUELCOSTPMMBTU - Cost, $/mmBtu		
FUELDELIVERYCOST - Fuel Delivery Cost		
GENCAPACITY - Net Thermal Generation Capacity MWh	1022.01	931.44
GENCAPACITYMW - Net Thermal Generation Capacity	2.903437	2.91075
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1056	960
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3
GENERATION - Thermal Generation MWh		
GENERATIONCOSTPMW - Generation Cost		
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		
GENERATIONCOSTS - Thermal Generation Costs		
GENERATIONGROSSREVENUE - Gross Generation Revenue		
GENERATIONNETREVENUE - Net Revenue Generation		
GROSSREVENUE - Gross Revenue, $		
HOURSRUN - Runtime Hours		
MARKETGENERATIONCOST - Market Sales Generation Costs		
MARKETSALES - Spot Sales $		
MARKETSALESMW - Spot Sales		
MARKETSALESMWH - Spot Sales MWh		
MCP - MCP		
MCPMINSPOTPRICE - MCP min spot price		

NETPOS - Net Position (MWh)		
NETPOSMW - Net position per MW		
NETREVENUE - Net Revenue $		
NETREVENUEUNHEDGED - Net Revenue without hedges		
NLGENERATION - Native Load Generation MWh		
NLGENERATIONCOST - Native Load Generation Costs		
NonZeroMCPHour - Market sales hours greater than colstrip price		
NWECOSTS - NWE Costs		
NWECOSTSMPS - NWE Costs w/ MPS		
OTHERMCPHOUR - Other MCP Hours		
PORTFOLIOLOADNATIVE - Portfolio Load		
STARTS - Number Starts		
TOTALCOSTOFSUPPLY - Total Cost of Supply		
TOTALCOSTS - Total Cost		
TOTALFUELCOST - Total Fuel Cost		
TOTALGEN - All Generation		
TOTALVARIABLECOST - Variable Costs $		
Huron		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		10.340484
CAPACITYFACTOR - Net Generation Capacity Factor		0.117164
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.11435
COSTTOSERVELOAD - Cost to Serve Load		3350.13822
COSTTOSERVELOADPMW - Cost to Serve Load PMW		13.739001
EXPORTGENERATION - Export generation		1829.6
FO - Forced Outage Rate	0.035213	0.029671
FUELCONSUMED - Fuel Consumed		26250.4
FUELCOST - Fuel Cost		91482.7016
FUELCOSTPMMBTU - Cost, $/mmBtu		2.203926
GASNLFUELCONSUMED - Native Load Gas Used		1072.53662
GENCAPACITY - Net Thermal Generation Capacity MWh	16921.3	15523.6
GENCAPACITYMW - Net Thermal Generation Capacity	48.071875	48.51125
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	17600	16000
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50
GENERATION - Thermal Generation MWh		1829.6
GENERATIONCOSTPMW - Generation Cost		51.178154
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		31.87542
GENERATIONCOSTS - Thermal Generation Costs		92282.9596
GENERATIONGROSSREVENUE - Gross Generation Revenue		127468.596
GENERATIONNETREVENUE - Net Revenue Generation		35185.6362
GROSSREVENUE - Gross Revenue, $		127468.596
HOURSRUN - Runtime Hours		254.3
MARKETGENERATIONCOST - Market Sales Generation Costs		88932.8213
MARKETSALES - Spot Sales $		122764.315
MARKETSALESMW - Spot Sales		15.974695
MARKETSALESMWH - Spot Sales MWh		1753.36158
MCP - MCP		48.704063
MCPMINSPOTPRICE - MCP min spot price		13.606902

NETPOS - Net Position (MWh)		1829.6
NETPOSMW - Net position per MW		5.7175
NETREVENUE - Net Revenue $		35185.6362
NETREVENUEUNHEDGED - Net Revenue without hedges		35185.6362
NLGENERATION - Native Load Generation MWh		76.238424
NLGENERATIONCOST - Native Load Generation Costs		3350.13822
NonZeroMCPHour - Market sales hours greater than colstrip price		28.52
NWECOSTS - NWE Costs		-35185.636
NWECOSTSMPS - NWE Costs w/ MPS		-157949.95
OTHERMCPHOUR - Other MCP Hours		0.31
PORTFOLIOLOADNATIVE - Portfolio Load		14922.6215
STARTS - Number Starts		1.07
STARTUPCOST - StartupCost		584.018
TOTALCOSTOFSUPPLY - Total Cost of Supply		92282.9596
TOTALCOSTS - Total Cost		92282.9596
TOTALFUELCOST - Total Fuel Cost		91482.7016
TOTALGEN - All Generation		1829.6
TOTALSTARTUPCOST - TotalStartupCost		584.018
TOTALVARIABLECOST - Variable Costs $		92282.9596
VOMCOSTS - VOM Costs		216.24
zeroMCPHour - Market sales hours less than colstrip price		
Mobile Unit		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		
CAPACITYFACTOR - Net Generation Capacity Factor		
CAPACITYFACTORNOOUTS - Capacity Factor, %		
COSTTOSERVELOAD - Cost to Serve Load		
COSTTOSERVELOADPMW - Cost to Serve Load PMW		
EXPORTGENERATION - Export generation		
FO - Forced Outage Rate	0.032414	0.033718
FUELCONSUMED - Fuel Consumed		
FUELCOST - Fuel Cost		
FUELCOSTPMMBTU - Cost, $/mmBtu		
FUELDELIVERYCOST - Fuel Delivery Cost		
GENCAPACITY - Net Thermal Generation Capacity MWh	1362.36	1236.84
GENCAPACITYMW - Net Thermal Generation Capacity	3.87034	3.865125
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1408	1280
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4
GENERATION - Thermal Generation MWh		
GENERATIONCOSTPMW - Generation Cost		
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		
GENERATIONCOSTS - Thermal Generation Costs		
GENERATIONGROSSREVENUE - Gross Generation Revenue		
GENERATIONNETREVENUE - Net Revenue Generation		
GROSSREVENUE - Gross Revenue, $		
HOURSRUN - Runtime Hours		
MARKETGENERATIONCOST - Market Sales Generation Costs		
MARKETSALES - Spot Sales $		

MARKETSALESMW - Spot Sales		
MARKETSALESMWH - Spot Sales MWh		
MCP - MCP		
MCPMINSPOTPRICE - MCP min spot price		
NETPOS - Net Position (MWh)		
NETPOSMW - Net position per MW		
NETREVENUE - Net Revenue $		
NETREVENUEUNHEDGED - Net Revenue without hedges		
NLGENERATION - Native Load Generation MWh		
NLGENERATIONCOST - Native Load Generation Costs		
NonZeroMCPHour - Market sales hours greater than colstrip price		
NWECOSTS - NWE Costs		
NWECOSTSMPS - NWE Costs w/ MPS		
OTHERMCPHOUR - Other MCP Hours		
PORTFOLIOLOADNATIVE - Portfolio Load		
STARTS - Number Starts		
TOTALCOSTOFSUPPLY - Total Cost of Supply		
TOTALCOSTS - Total Cost		
TOTALFUELCOST - Total Fuel Cost		
TOTALGEN - All Generation		
TOTALVARIABLECOST - Variable Costs $		
Neal		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.160649	10.211274
CAPACITYFACTOR - Net Generation Capacity Factor	0.723201	0.711063
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.687949	0.6773
COSTTOSERVELOAD - Cost to Serve Load	289947.424	260210.007
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1155.32128	1084.41977
EXPORTGENERATION - Export generation	14190.474	12700.732
FO - Forced Outage Rate	0.049829	0.049125
FUELCONSUMED - Fuel Consumed	143269.592	128364.083
FUELCOST - Fuel Cost	127426.509	114603.5
FUELCOSTPMMBTU - Cost, $/mmBtu	1.9798	1.9798
FUELDELIVERYCOST - Fuel Delivery Cost	156135.202	139891.177
GENCAPACITY - Net Thermal Generation Capacity MWh	19599.356	17830.808
GENCAPACITYMW - Net Thermal Generation Capacity	55.679988	55.721275
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	20627.2	18752
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.6	58.6
GENERATION - Thermal Generation MWh	14190.474	12700.732
GENERATIONCOSTPMW - Generation Cost	22.478529	22.455053
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.567006	20.664312
GENERATIONCOSTS - Thermal Generation Costs	311648.108	276728.438
GENERATIONGROSSREVENUE - Gross Generation Revenue	509215.957	474039.003
GENERATIONNETREVENUE - Net Revenue Generation	197567.849	197310.565
GROSSREVENUE - Gross Revenue, $	509215.957	474039.003
HOURSRUN - Runtime Hours	334.46	304.28
MARKETGENERATIONCOST - Market Sales Generation Costs		
MARKETSALES - Spot Sales $		

MARKETSALESMW - Spot Sales		
MARKETSALESMWH - Spot Sales MWh		
MCP - MCP	28.372256	25.01381
MCPMINSPOTPRICE - MCP min spot price	8.227954	4.502485
NETPOS - Net Position (MWh)	14190.474	12700.732
NETPOSMW - Net position per MW	40.313846	39.689787
NETREVENUE - Net Revenue $	122680.833	130214.659
NETREVENUEUNHEDGED - Net Revenue without hedges	122680.833	130214.659
NLGENERATION - Native Load Generation MWh	14190.474	12700.732
NLGENERATIONCOST - Native Load Generation Costs	289947.424	260210.007
NonZeroMCPHour - Market sales hours greater than colstrip price		
NWECOSTS - NWE Costs	-197567.85	-197310.57
NWECOSTSMPS - NWE Costs w/ MPS	-197567.85	-197310.57
OTHERMCPHOUR - Other MCP Hours	2.28	0.77
PO - Planned Outage Rate		
PORTFOLIOLOADNATIVE - Portfolio Load	75913.9564	66893.8095
STARTS - Number Starts	1.34	1.02
STARTUPCOST - StartupCost	21700.6836	16518.4308
TOTALCOSTOFSUPPLY - Total Cost of Supply	386535.123	343824.344
TOTALCOSTS - Total Cost	386535.123	343824.344
TOTALFUELCOST - Total Fuel Cost	283561.711	254494.678
TOTALGEN - All Generation	14190.474	12700.732
TOTALSTARTUPCOST - TotalStartupCost	21700.6836	16518.4308
TOTALVARIABLECOST - Variable Costs $	386535.123	343824.344
VOMCOSTS - VOM Costs	6385.7133	5715.3294
zeroMCPHour - Market sales hours less than colstrip price		
Yankton		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		8.25
CAPACITYFACTOR - Net Generation Capacity Factor		0.104548
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.102
COSTTOSERVELOAD - Cost to Serve Load		494.089604
COSTTOSERVELOADPMW - Cost to Serve Load PMW		2.016597
EXPORTGENERATION - Export generation		456.96
FO - Forced Outage Rate	0.023806	0.034218
FUELCONSUMED - Fuel Consumed		6854.4
FUELCOST - Fuel Cost		23882.6112
FUELCOSTPMMBTU - Cost, $/mmBtu		1.655905
GASNLFUELCONSUMED - Native Load Gas Used		156.02118
GENCAPACITY - Net Thermal Generation Capacity MWh	4810.68	4326.7
GENCAPACITYMW - Net Thermal Generation Capacity	13.666704	13.520937
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	4928	4480
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14
GENERATION - Thermal Generation MWh		456.96
GENERATIONCOSTPMW - Generation Cost		27.417516
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		27.417516
GENERATIONCOSTS - Thermal Generation Costs		24418.1112
GENERATIONGROSSREVENUE - Gross Generation Revenue		32929.4451

GENERATIONNETREVENUE - Net Revenue Generation		8511.33388
GROSSREVENUE - Gross Revenue, $		32929.4451
HOURSRUN - Runtime Hours		123.49
MARKETGENERATIONCOST - Market Sales Generation Costs		23924.0216
MARKETSALES - Spot Sales $		32267.1197
MARKETSALESMW - Spot Sales		7.620433
MARKETSALESMWH - Spot Sales MWh		446.558587
MCP - MCP		53.239877
MCPMINSPOTPRICE - MCP min spot price		7.282775
NETPOS - Net Position (MWh)		456.96
NETPOSMW - Net position per MW		1.428
NETREVENUE - Net Revenue $		8511.33388
NETREVENUEUNHEDGED - Net Revenue without hedges		8511.33388
NLGENERATION - Native Load Generation MWh		10.401412
NLGENERATIONCOST - Native Load Generation Costs		494.089604
NonZeroMCPHour - Market sales hours greater than colstrip price		11.74
NWECOSTS - NWE Costs		-8511.3339
NWECOSTSMPS - NWE Costs w/ MPS		-40778.454
OTHERMCPHOUR - Other MCP Hours		0.14
PORTFOLIOLOADNATIVE - Portfolio Load		7903.2557
STARTS - Number Starts		0.51
STARTUPCOST - StartupCost		535.5
TOTALCOSTOFSUPPLY - Total Cost of Supply		24418.1112
TOTALCOSTS - Total Cost		24418.1112
TOTALFUELCOST - Total Fuel Cost		23882.6112
TOTALGEN - All Generation		456.96
TOTALSTARTUPCOST - TotalStartupCost		535.5
TOTALVARIABLECOST - Variable Costs $		24418.1112
zeroMCPHour - Market sales hours less than colstrip price		
Generation Asset - Total		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.780135	10.86839
CAPACITYFACTOR - Net Generation Capacity Factor	0.429271	0.47839
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.413245	0.461852
COSTTOSERVELOAD - Cost to Serve Load	1179425.02	1055340.16
COSTTOSERVELOADPMW - Cost to Serve Load PMW	4697.31531	4386.19438
EXPORTGENERATION - Export generation	53399.266	54254.716
FO - Forced Outage Rate	0.035655	0.034187
FUELCONSUMED - Fuel Consumed	571467.057	584853.333
FUELCOST - Fuel Cost	508242.868	709700.414
FUELCOSTPMMBTU - Cost, $/mmBtu	2.134914	2.256355
FUELDELIVERYCOST - Fuel Delivery Cost	711934.01	641334.991
GASNLFUELCONSUMED - Native Load Gas Used		6511.04581
GENCAPACITY - Net Thermal Generation Capacity MWh	124399.231	113270.708
GENCAPACITYMW - Net Thermal Generation Capacity	353.406906	353.970962
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	129219.2	117472
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999
GENERATION - Thermal Generation MWh	53399.266	54254.716

GENERATIONCOSTPMW - Generation Cost	71.780625	180.021961
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.037473	25.876538
GENERATIONCOSTS - Thermal Generation Costs	1305832.59	1454595.53
GENERATIONGROSSREVENUE - Gross Generation Revenue	1918216.08	2170077.49
GENERATIONNETREVENUE - Net Revenue Generation	612383.486	715481.958
GROSSREVENUE - Gross Revenue, $	1918216.08	2170077.49
HOURSRUN - Runtime Hours	1010.88	1517.16
MARKETGENERATIONCOST - Market Sales Generation Costs	95328.3514	375120.184
MARKETSALES - Spot Sales $	150800.081	558187.886
MARKETSALESMW - Spot Sales	9.199446	15.965653
MARKETSALESMWH - Spot Sales MWh	3681.026	10261.3708
MCP - MCP	28.21031	29.021336
MCPMINSPOTPRICE - MCP min spot price	28.186273	28.933272
NETPOS - Net Position (MWh)	53399.266	54254.716
NETPOSMW - Net position per MW	151.70246	169.545987
NETREVENUE - Net Revenue $	313677.656	446686.148
NETREVENUEUNHEDGED - Net Revenue without hedges	313677.656	446686.148
NLGENERATION - Native Load Generation MWh	49718.24	43993.3452
NLGENERATIONCOST - Native Load Generation Costs	1179425.02	1055340.16
NonZeroMCPHour - Market sales hours greater than colstrip price	125.36	154.82
NWECOSTS - NWE Costs	-612383.49	-715481.96
NWECOSTSMPS - NWE Costs w/ MPS	-763183.57	-1273669.8
OTHERMCPHOUR - Other MCP Hours	226.2	165
PO - Planned Outage Rate		
PORTFOLIOLOADNATIVE - Portfolio Load	239992.623	249619.819
STARTS - Number Starts	3.17	5.48
STARTUPCOST - StartupCost	31079.2236	25771.3532
TOTALCOSTOFSUPPLY - Total Cost of Supply	1604538.42	1723391.34
TOTALCOSTS - Total Cost	1604538.42	1723391.34
TOTALFUELCOST - Total Fuel Cost	1220176.88	1351035.41
TOTALGEN - All Generation	53399.266	54254.716
TOTALSTARTUPCOST - TotalStartupCost	31079.2236	25771.3532
TOTALVARIABLECOST - Variable Costs $	1604538.42	1723391.34
VOMCOSTS - VOM Costs	54576.4927	77788.7717
zeroMCPHour - Market sales hours less than colstrip price		
Load		
South Dakota Load		
COSTOFSUPPLY - Cost of Supply	2809929.36	2452747.04
COSTTOSERVELOAD - Cost to Serve Load	350281.074	225584.844
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1387.72559	935.587841
EXPORTGENERATION - Export generation	-88298.808	-76869.071
GENERATIONLOAD - Load @ Generation	88298.8081	76869.0713
MARKETPURCHASES - Spot Purchases $	350281.074	225584.844
MARKETPURCHASESHOURS - Market Purchase Flag	223.65	163.9
MARKETPURCHASESMAX - Max Spot Purchases	164.504823	152.158782
MARKETPURCHASESMW - Spot Purchases	67.548047	72.237662
MARKETPURCHASESMWH - Spot Purchases MWh	16852.0974	13642.7623

NETPOS - Net Position (MWh)	-88298.808	-76869.071
NETPOSMW - Net position per MW	-250.84889	-240.21585
NETREVENUE - Net Revenue $	-2809929.4	-2452747
NETREVENUEPMW - Net Revenue $/MWh	-31.799731	-31.876734
NETREVENUEUNHEDGED - Net Revenue without hedges	-2809929.4	-2452747
NWECOSTS - NWE Costs	2809929.36	2452747.04
NWECOSTSMPS - NWE Costs w/ MPS	3160210.43	2678331.88
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713
TOTALCOSTOFSUPPLY - Total Cost of Supply	2809929.36	2452747.04
TOTALCOSTS - Total Cost	2809929.36	2452747.04
TOTALVARIABLECOST - Variable Costs $	2809929.36	2452747.04
Load - Total		
COSTOFSUPPLY - Cost of Supply	2809929.36	2452747.04
COSTTOSERVELOAD - Cost to Serve Load	350281.074	225584.844
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1387.72559	935.587841
EXPORTGENERATION - Export generation	-88298.808	-76869.071
GENERATIONLOAD - Load @ Generation	88298.8081	76869.0713
MARKETPURCHASES - Spot Purchases $	350281.074	225584.844
MARKETPURCHASESHOURS - Market Purchase Flag	223.65	163.9
MARKETPURCHASESMAX - Max Spot Purchases	164.504823	152.158782
MARKETPURCHASESMW - Spot Purchases	67.548047	72.237662
MARKETPURCHASESMWH - Spot Purchases MWh	16852.0974	13642.7623
NETPOS - Net Position (MWh)	-88298.808	-76869.071
NETPOSMW - Net position per MW	-250.84889	-240.21585
NETREVENUE - Net Revenue $	-2809929.4	-2452747
NETREVENUEPMW - Net Revenue $/MWh	-31.799731	-31.876734
NETREVENUEUNHEDGED - Net Revenue without hedges	-2809929.4	-2452747
NWECOSTS - NWE Costs	2809929.36	2452747.04
NWECOSTSMPS - NWE Costs w/ MPS	3160210.43	2678331.88
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713
TOTALCOSTOFSUPPLY - Total Cost of Supply	2809929.36	2452747.04
TOTALCOSTS - Total Cost	2809929.36	2452747.04
TOTALVARIABLECOST - Variable Costs $	2809929.36	2452747.04
N/A		
MCP - MCP		
MCPMINSPOTPRICE - MCP min spot price		
OTHERMCPHOUR - Other MCP Hours		
PORTFOLIOLOADNATIVE - Portfolio Load		
Wind Asset		
B & H		
COSTTOSERVELOAD - Cost to Serve Load	191658.538	180595.435
COSTTOSERVELOADPMW - Cost to Serve Load PMW	766.160651	754.140577
EXPORTGENERATION - Export generation	7127.50234	6716.08163
GROSSREVENUE - Gross Revenue, $	224973.581	212570.657
NETPOS - Net Position (MWh)	7127.50234	6716.08163
NETPOSMW - Net position per MW	20.248586	20.987755
NETREVENUE - Net Revenue $	33315.0427	31975.2223

NETREVENUEUNHEDGED - Net Revenue without hedges	33315.0427	31975.2223
NLGENERATION - Native Load Generation MWh	7127.50234	6716.08163
NLGENERATIONCOST - Native Load Generation Costs	191658.538	180595.435
NWECOSTS - NWE Costs	-33315.043	-31975.222
NWECOSTSMPS - NWE Costs w/ MPS	-33315.043	-31975.222
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713
TOTALCOSTOFSUPPLY - Total Cost of Supply	191658.538	180595.435
TOTALCOSTS - Total Cost	191658.538	180595.435
TOTALGEN - All Generation	7127.50234	6716.08163
TOTALVARIABLECOST - Variable Costs $	191658.538	180595.435
WINDCOSTS - Wind Cost	191658.538	180595.435
WINDGEN - Generation - Wind	7127.50234	6716.08163
WINDGROSSREVENUE - Gross Wind Revenue	224973.581	212570.657
WINDNETREVENUE - Net Wind Revenue $	33315.0427	31975.2223
WINDTOTALCOST - Wind Total Costs	191658.538	180595.435
B & H II		
COSTTOSERVELOAD - Cost to Serve Load	199558.636	188068.994
COSTTOSERVELOADPMW - Cost to Serve Load PMW	797.745873	785.344274
EXPORTGENERATION - Export generation	8007.97094	7546.90989
GROSSREVENUE - Gross Revenue, $	252759.747	238873.249
MCP - MCP	17.986174	21.399352
MCPMINSPOTPRICE - MCP min spot price	0.899308	0.64198
NETPOS - Net Position (MWh)	8007.97094	7546.90989
NETPOSMW - Net position per MW	22.749917	23.584093
NETREVENUE - Net Revenue $	53201.1112	50804.2544
NETREVENUEUNHEDGED - Net Revenue without hedges	53201.1112	50804.2544
NLGENERATION - Native Load Generation MWh	8007.97094	7546.90989
NLGENERATIONCOST - Native Load Generation Costs	199558.636	188068.994
NWECOSTS - NWE Costs	-53201.111	-50804.254
NWECOSTSMPS - NWE Costs w/ MPS	-53201.111	-50804.254
OTHERMCPHOUR - Other MCP Hours	0.44	0.18
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713
TOTALCOSTOFSUPPLY - Total Cost of Supply	199558.636	188068.994
TOTALCOSTS - Total Cost	199558.636	188068.994
TOTALGEN - All Generation	8007.97094	7546.90989
TOTALVARIABLECOST - Variable Costs $	199558.636	188068.994
WINDCOSTS - Wind Cost	199558.636	188068.994
WINDGEN - Generation - Wind	8007.97094	7546.90989
WINDGROSSREVENUE - Gross Wind Revenue	252759.747	238873.249
WINDNETREVENUE - Net Wind Revenue $	53201.1112	50804.2544
WINDTOTALCOST - Wind Total Costs	199558.636	188068.994
OakTree		
COSTTOSERVELOAD - Cost to Serve Load	164568.356	135978.159
COSTTOSERVELOADPMW - Cost to Serve Load PMW	657.083872	566.571371
EXPORTGENERATION - Export generation	3212.34347	2654.26818
GROSSREVENUE - Gross Revenue, $	99676.9176	82668.3242
NETPOS - Net Position (MWh)	3212.34347	2654.26818

NETPOSMW - Net position per MW	9.125975	8.294588
NETREVENUE - Net Revenue $	-64891.438	-53309.835
NETREVENUEUNHEDGED - Net Revenue without hedges	-64891.438	-53309.835
NLGENERATION - Native Load Generation MWh	3212.34347	2654.26818
NLGENERATIONCOST - Native Load Generation Costs	164568.356	135978.159
NWECOSTS - NWE Costs	64891.4383	53309.8349
NWECOSTSMPS - NWE Costs w/ MPS	64891.4383	53309.8349
PORTFOLIOLOADNATIVE - Portfolio Load	88298.8081	76869.0713
TOTALCOSTOFSUPPLY - Total Cost of Supply	164568.356	135978.159
TOTALCOSTS - Total Cost	164568.356	135978.159
TOTALGEN - All Generation	3212.34347	2654.26818
TOTALVARIABLECOST - Variable Costs $	164568.356	135978.159
WINDCOSTS - Wind Cost	164568.356	135978.159
WINDGEN - Generation - Wind	3212.34347	2654.26818
WINDGROSSREVENUE - Gross Wind Revenue	99676.9176	82668.3242
WINDNETREVENUE - Net Wind Revenue $	-64891.438	-53309.835
WINDTOTALCOST - Wind Total Costs	164568.356	135978.159
Titan		
COSTTOSERVELOAD - Cost to Serve Load	213792.556	146445.124
COSTTOSERVELOADPMW - Cost to Serve Load PMW	857.878986	612.603664
EXPORTGENERATION - Export generation	3380.65396	2315.70404
GROSSREVENUE - Gross Revenue, $	104476.044	72116.9618
NETPOS - Net Position (MWh)	3380.65396	2315.70404
NETPOSMW - Net position per MW	9.60413	7.236575
NETREVENUE - Net Revenue $	-109316.51	-74328.162
NETREVENUEUNHEDGED - Net Revenue without hedges	-109316.51	-74328.162
NLGENERATION - Native Load Generation MWh	3380.65396	2315.70404
NLGENERATIONCOST - Native Load Generation Costs	213792.556	146445.124
NWECOSTS - NWE Costs	109316.513	74328.1618
NWECOSTSMPS - NWE Costs w/ MPS	109316.513	74328.1618
PORTFOLIOLOADNATIVE - Portfolio Load	86773.8199	73919.1796
TOTALCOSTOFSUPPLY - Total Cost of Supply	213792.556	146445.124
TOTALCOSTS - Total Cost	213792.556	146445.124
TOTALGEN - All Generation	3380.65396	2315.70404
TOTALVARIABLECOST - Variable Costs $	213792.556	146445.124
WINDCOSTS - Wind Cost	213792.556	146445.124
WINDGEN - Generation - Wind	3380.65396	2315.70404
WINDGROSSREVENUE - Gross Wind Revenue	104476.044	72116.9618
WINDNETREVENUE - Net Wind Revenue $	-109316.51	-74328.162
WINDTOTALCOST - Wind Total Costs	213792.556	146445.124
Wind Asset - Total		
COSTTOSERVELOAD - Cost to Serve Load	769578.086	651087.712
COSTTOSERVELOADPMW - Cost to Serve Load PMW	3078.86938	2718.65989
EXPORTGENERATION - Export generation	21728.4707	19232.9638
GROSSREVENUE - Gross Revenue, $	681886.289	606229.192
MCP - MCP	17.986174	21.399352
MCPMINSPOTPRICE - MCP min spot price	0.899308	0.64198

NETPOS - Net Position (MWh)	21728.4707	19232.9638
NETPOSMW - Net position per MW	61.728609	60.103011
NETREVENUE - Net Revenue $	-87691.797	-44858.52
NETREVENUEUNHEDGED - Net Revenue without hedges	-87691.797	-44858.52
NLGENERATION - Native Load Generation MWh	21728.4707	19232.9638
NLGENERATIONCOST - Native Load Generation Costs	769578.086	651087.712
NWECOSTS - NWE Costs	87691.797	44858.52
NWECOSTSMPS - NWE Costs w/ MPS	87691.797	44858.52
OTHERMCPHOUR - Other MCP Hours	0.44	0.18
PORTFOLIOLOADNATIVE - Portfolio Load	351670.244	304526.394
TOTALCOSTOFSUPPLY - Total Cost of Supply	769578.086	651087.712
TOTALCOSTS - Total Cost	769578.086	651087.712
TOTALGEN - All Generation	21728.4707	19232.9638
TOTALVARIABLECOST - Variable Costs $	769578.086	651087.712
WINDCOSTS - Wind Cost	769578.086	651087.712
WINDGEN - Generation - Wind	21728.4707	19232.9638
WINDGROSSREVENUE - Gross Wind Revenue	681886.289	606229.192
WINDNETREVENUE - Net Wind Revenue $	-87691.797	-44858.52
WINDTOTALCOST - Wind Total Costs	769578.086	651087.712
Total		
Total - Total		
Total - Total - Total		
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.780135	10.86839
CAPACITYFACTOR - Net Generation Capacity Factor	0.429271	0.47839
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.413245	0.461852
COSTOFSUPPLY - Cost of Supply	2809929.36	2452747.04
COSTTOSERVELOAD - Cost to Serve Load	2299284.18	1932012.71
COSTTOSERVELOADPMW - Cost to Serve Load PMW	9163.91028	8040.44211
EXPORTGENERATION - Export generation	-13171.071	-3381.3915
FIXEDCOST - Fixed Cost	2762650.5	2511500.46
FO - Forced Outage Rate	0.035655	0.034187
FUELCONSUMED - Fuel Consumed	571467.057	584853.333
FUELCOST - Fuel Cost	508242.868	709700.414
FUELCOSTPMMBTU - Cost, $/mmBtu	2.134914	2.256355
FUELDELIVERYCOST - Fuel Delivery Cost	711934.01	641334.991
GASNLFUELCONSUMED - Native Load Gas Used		6511.04581
GENCAPACITY - Net Thermal Generation Capacity MWh	124399.231	113270.708
GENCAPACITYMW - Net Thermal Generation Capacity	353.406906	353.970962
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	129219.2	117472
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999
GENERATION - Thermal Generation MWh	53399.266	54254.716
GENERATIONCOSTPMW - Generation Cost	71.780625	180.021961
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.037473	25.876538
GENERATIONCOSTS - Thermal Generation Costs	1305832.59	1454595.53
GENERATIONGROSSREVENUE - Gross Generation Revenue	1918216.08	2170077.49
GENERATIONLOAD - Load @ Generation	88298.8081	76869.0713
GENERATIONNETREVENUE - Net Revenue Generation	612383.486	715481.958

GROSSREVENUE - Gross Revenue, $	2600102.37	2776306.68
HOURSRUN - Runtime Hours	1010.88	1517.16
MARKETGENERATIONCOST - Market Sales Generation Costs	95328.3514	375120.184
MARKETPRICE - Market Price $/Unit	24.65542	22.949943
MARKETPURCHASES - Spot Purchases $	350281.074	225584.844
MARKETPURCHASESHOURS - Market Purchase Flag	223.65	163.9
MARKETPURCHASESMAX - Max Spot Purchases	164.504823	152.158782
MARKETPURCHASESMW - Spot Purchases	8.443505	6.019805
MARKETPURCHASESMWH - Spot Purchases MWh	16,852	13,643
MARKETSALES - Spot Sales $	150800.081	558187.886
MARKETSALESMW - Spot Sales	3.449792	9.313297
MARKETSALESMWH - Spot Sales MWh	3,681	10,261
MCP - MCP	28.175524	28.959387
MCPMINSPOTPRICE - MCP min spot price	28.151773	28.871506
NETPOS - Net Position (MWh)	-13171.071	-3381.3915
NETPOSMW - Net position per MW	-37.417816	-10.566848
NETREVENUE - Net Revenue $	-5346594	-4562419.9
NETREVENUEPMW - Net Revenue $/MWh	-60.561251	-59.362567
NETREVENUEUNHEDGED - Net Revenue without hedges	-5346594	-4562419.9
NLGENERATION - Native Load Generation MWh	71446.7107	63226.309
NLGENERATIONCOST - Native Load Generation Costs	1949003.1	1706427.87
NWECOSTS - NWE Costs	5047888.18	4293624.06
NWECOSTSMPS - NWE Costs w/ MPS	5247369.17	3961021.02
PO - Planned Outage Rate		
PORTFOLIOLOADNATIVE - Portfolio Load	679961.675	631015.284
STARTS - Number Starts	3.17	5.48
STARTUPCOST - StartupCost	31079.2236	25771.3532
TOTALCOSTOFSUPPLY - Total Cost of Supply	7946696.38	7338726.55
TOTALCOSTS - Total Cost	5184045.87	4827226.09
TOTALFUELCOST - Total Fuel Cost	1220176.88	1351035.41
TOTALGEN - All Generation	75127.7367	73487.6798
TOTALSTARTUPCOST - TotalStartupCost	31079.2236	25771.3532
TOTALVARIABLECOST - Variable Costs $	5184045.87	4827226.09
VOMCOSTS - VOM Costs	54576.4927	77788.7717
WINDCOSTS - Wind Cost	769578.086	651087.712
WINDGEN - Generation - Wind	21728.4707	19232.9638
WINDGROSSREVENUE - Gross Wind Revenue	681886.289	606229.192
WINDNETREVENUE - Net Wind Revenue $	-87691.797	-44858.52
WINDTOTALCOST - Wind Total Costs	769578.086	651087.712

_IRP_MainPortfolio_BaseCase

2017-03	2017-04	2017-05	2017-06	2017-07	2017-08	2017-09	2017-10
2888225.5	2511500.5	2762650.5	2762650.5	2511500.46	2888225.53	2511500.46	2762650.5
-2888225.5	-2511500.5	-2762650.5	-2762650.5	-2511500.5	-2888225.5	-2511500.5	-2762650.5
-2888225.5	-2511500.5	-2762650.5	-2762650.5	-2511500.5	-2888225.5	-2511500.5	-2762650.5
2888225.5	2511500.5	2762650.5	2762650.5	2511500.46	2888225.53	2511500.46	2762650.5
2888225.5	2511500.5	2762650.5	2762650.5	2511500.46	2888225.53	2511500.46	2762650.5
2888225.5	2511500.5	2762650.5	2762650.5	2511500.46	2888225.53	2511500.46	2762650.5
30.32	28.07	27.77	26.77	36.519999	33.02	29.12	24.169999
0	0	0	0	0	0	0	0
30.19	27.94	27.64	26.64	36.389999	32.89	28.99	24.039999
30.29	28.04	27.74	26.74	36.489999	32.99	29.09	24.139999
29.539999	27.289999	26.99	25.989999	35.74	32.24	28.339999	23.39
29.829999	27.579999	27.28	26.279999	36.03	32.53	28.629999	23.68
30.27	28.02	27.72	26.72	36.469999	32.97	29.07	24.119999
30.31	28.06	27.76	26.76	36.509999	33.01	29.11	24.159999
17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	17.96963
0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
30	27.75	27.45	26.45	36.2	32.7	28.8	23.85
3.372302	3.019444	2.832539	2.819976	2.816501	2.824201	2.830618	2.908631
21.915161	20.385756	20.17018	19.502467	26.002177	23.669486	21.07002	17.776521
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8050.05	6928.2	7688.925	7748.775	6989.4	8038.575	6964.875	7708.05
21.875135	21.650625	21.843536	22.013565	21.841875	21.843953	21.765234	21.897869
8280	7200	7920	7920	7200	8280	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
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0.208116	0.22591	0.238074	0.230037	0.472765	0.398908	0.255576	0.1641
0.201875	0.219281	0.231022	0.222698	0.460156	0.387038	0.24525	0.158863
19238.424	5788.1709	42050.0078	42908.7569	145204.147	95947.6992	19183.5916	7837.1334
86.141065	29.219155	219.942469	176.607565	523.593482	365.881513	87.431246	38.124117
4308.82	4069.86	4716.56	4546.62	8540.5	8260.94	4551.84	3243.36
0.030081	0.032937	0.02821	0.032585	0.027687	0.029375	0.032687	0.030142
40584.776	38334.011	44425.2786	42824.6138	80442.9695	77809.7939	42873.781	30549.2078
134364.55	116677.88	126623.413	119842.758	227545.007	221430.433	120571.373	81718.4338
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21344	18560	20416	20416	18560	21344	18560	20416
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4308.82	4069.86	4716.56	4546.62	8540.5	8260.94	4551.84	3243.36
33.313234	31.383922	20.600328	26.33596	33.011787	32.405507	17.277862	25.287389
33.313234	31.383922	20.600328	26.33596	33.011787	32.405507	17.277862	25.287389
165477.69	146122.29	160554.23	152691.236	288902.301	280795.412	153247.469	105224.198
209601.75	186111.19	255876.245	222472.218	441219.438	403459.775	303544.11	130369.431
44124.053	39988.899	95322.0147	69780.9818	152317.137	122664.363	150296.641	25145.2337
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276.25	220.77	194.4	217.59	289.9	306.94	154.23	185.12
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47.547447	49.503855	28.992726	34.44645	36.546426	41.73324	26.955902	41.674188
3761.6787	3908.1359	3487.27489	3264.70609	4243.18044	5442.96524	3983.41734	2990.95395
36.647795	35.91097	33.99028	34.435946	34.116439	34.115522	33.950853	33.112515
28.547837	22.605776	20.042019	26.031393	33.395497	32.722445	16.279735	16.875087
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44124.053	39988.899	95322.0147	69780.9818	152317.137	122664.363	150296.641	25145.2337
44124.053	39988.899	95322.0147	69780.9818	152317.137	122664.363	150296.641	25145.2337
547.1413	161.72411	1229.28511	1281.91391	4297.31956	2817.97476	568.422664	252.40605
19238.424	5788.1709	42050.0078	42908.7569	145204.147	95947.6992	19183.5916	7837.1334
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1.6	0.32	2.36	2.79	9.28	6.73	0.43	1.01
16305.653	13736.142	15482.8982	18283.4698	39713.4135	35941.3179	16317.4501	11277.6027
0.93	1.03	0.68	1.03	1.01	1.02	0.47	0.93
348.1734	385.6114	254.5784	385.6114	378.1238	381.8676	175.9586	348.1734

165477.69	146122.29	160554.23	152691.236	288902.301	280795.412	153247.469	105224.198
165477.69	146122.29	160554.23	152691.236	288902.301	280795.412	153247.469	105224.198
134364.55	116677.88	126623.413	119842.758	227545.007	221430.433	120571.373	81718.4338
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348.1734	385.6114	254.5784	385.6114	378.1238	381.8676	175.9586	348.1734
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30764.975	29058.8	33676.2384	32462.8668	60979.17	58983.1116	32500.1376	23157.5904

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0.745834	0.714119	0.64371	0.648742	0.801258	0.768468	0.61643	0.653198
0.717556	0.682307	0.618702	0.624833	0.773094	0.741865	0.595641	0.632459
495068.01	315333.4	589586.465	585798.026	691590.999	735915.82	433512.177	434397.945
2283.4245	1612.7286	3120.26975	2664.65834	2657.67235	3012.93511	2121.84816	2163.27339
29310.76	24235.572	24173.948	24413.476	27460.322	30303.712	21157.172	24711.468
0.038831	0.045218	0.037613	0.038806	0.035625	0.035625	0.033812	0.032329
315403.04	261734.97	263716.127	265905.708	293949.752	325424.192	231748.992	269257.387
280599.19	232914.18	234864.254	237130.489	261753.603	290572.919	205925.403	239665.494
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453139.55	376034.63	378880.959	382026.731	422317.608	467536.936	332953.777	386842.087
39261.81	33913.83	37602.36	37555.74	34254.6	39392.79	34318.98	37808.82
106.6897	105.98072	106.824886	106.692443	107.045625	107.045625	107.246812	107.41142
40848	35520	39072	39072	35520	40848	35520	39072
111	111	111	111	111	111	111	111
29310.76	24235.572	24173.948	24413.476	27460.322	30303.712	21157.172	24711.468
26.763664	26.896065	27.317435	27.262863	26.511468	26.683986	27.498571	27.061047
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993030.93	771326.85	809669.6	770742.428	1111666.92	1122093.51	805034.75	688746.612
211701.9	122967.82	156598.598	110992.925	385139.006	315610.473	232550.723	23331.7199
993030.93	771326.85	809669.6	770742.428	1111666.92	1122093.51	805034.75	688746.612
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278826.47	326818.15	57277.057	66805.6561	30100.8531	63710.1202	134352.329	225964.348
394620.9	444076.77	91574.2452	93774.3487	44022.9601	91910.2185	260933.226	283139.892
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79.648804	75.736162	68.675988	69.356465	85.813506	82.347043	66.116162	70.203034
46840.731	-13841.05	18754.1781	-27995.989	231491.471	145511.248	111415.525	-117409.12
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18583.532	11688.4	21965.4889	21845.8293	26301.9779	27851.1942	15989.9242	16031.5117
495068.01	315333.4	589586.465	585798.026	691590.999	735915.82	433512.177	434397.945
144.92	124.73	41.82	46.38	25.3	48.73	42.5	110.84
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128.94	104.19	211.65	206.73	133.88	160.17	181.75	168.59
73594.286	57502.618	62228.0009	71954.0254	77586.7196	83671.4455	61212.1797	66563.5784
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7434.54	6207.48	6207.48	7145.82	4836.06	6857.1	4619.52	5052.6
946190.2	785167.9	790915.422	798738.416	880175.447	976582.266	693619.225	806155.728
946190.2	785167.9	790915.422	798738.416	880175.447	976582.266	693619.225	806155.728
733738.74	608948.82	613745.213	619157.22	684071.211	758109.855	538879.181	626507.581
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7434.54	6207.48	6207.48	7145.82	4836.06	6857.1	4619.52	5052.6
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273949.98	224599.24	133497.196	235905.443	246123.499	273691.285	179132.13	235290.925
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140829.2	117706.52	68574.4031	121086.406	126312.519	140387.188	92345.3866	121057.872
125303.54	104807.97	61050.0449	107979.567	112467.316	125175.843	82039.8415	107727.72
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137787.29	115164.06	67093.196	118470.94	123584.168	137354.824	90350.7263	118443.022
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15824	13760	15136	15136	13760	15824	13760	15136
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12566.97	10464.27	6015.68	10647.28	11316.87	12540.02	8014.21	10660.86
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3784.2	4034.1	2356.2	4069.8	3570	4284	3570	4212.6
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1104	960	1056	1056	960	1104	960	1056
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						0.03	
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						-29.099827	
						6.2474	
						0.01	
						25.735361	
						25.735361	
						25.735361	
						0.09	
						25.735361	
10.989096	10.137571	7.364628	8.934895	13.007904	12.373936	5.1638	6.345828
0.085629	0.093686	0.147575	0.132551	0.310639	0.244359	0.19568	0.07111
0.083858	0.089725	0.144971	0.130551	0.301437	0.238114	0.188937	0.069727
2250.9633	299.53577	7327.45115	8089.30336	33001.161	20070.4943	4425.92546	622.993576
10.184656	1.527292	38.658683	32.16258	117.139709	75.294275	19.181813	2.97496
1543	1435.6	2551.5	2297.7	4823	4381.3	3023	1227.2
0.032269	0.037031	0.032727	0.024488	0.030953	0.026059	0.029453	0.02419
21920.6	20381.6	36621.9	32943.3	69346.6	62780.9	43699	17460.4
68925.056	62085.979	104792.752	90894.0826	195993.003	178506.622	122755.25	43308.6368
2.195735	2.15894	1.454366	1.769431	2.559252	2.453718	1.012728	1.202636
903.94236	102.13989	2502.69949	2978.62655	11602.9312	7044.45977	1533.53845	247.565864
17796.2	15342.4	17028.2	17251.8	15482.4	17973.9	15508.5	17191.2
48.359239	47.945	48.375568	49.010795	48.3825	48.842119	48.464062	48.838636
18400	16000	17600	17600	16000	18400	16000	17600
50	50	50	50	50	50	50	50
1543	1435.6	2551.5	2297.7	4823	4381.3	3023	1227.2
46.81486	45.027559	33.012147	45.915828	74.026697	68.270814	28.736999	25.053064
31.267555	30.658289	20.716971	25.404633	36.851339	35.045793	14.583776	17.06062
69198.312	62399.035	105345.672	91492.9586	197138.639	179231.188	123323.332	43536.2748
83714.659	75627.338	165321.442	129841.181	279983.519	239753.475	225225.065	53213.0072
14516.347	13228.302	59975.7698	38348.2219	82844.8802	60522.2862	101901.733	9676.73236
83714.659	75627.338	165321.442	129841.181	279983.519	239753.475	225225.065	53213.0072
327.36	260.31	266.54	343.27	473.12	478.08	242.53	162.93
66947.349	62099.499	98018.2213	83403.6553	164137.478	159160.694	118897.407	42913.2812
81026.353	75291.233	152724.77	117381.62	232713.025	212181.94	216755.099	52485.5321
16.422172	15.63861	11.511142	14.045605	20.200882	19.779951	8.571808	9.587457
1478.6248	1428.3043	2374.67164	2088.13081	4003.18192	3883.69638	2915.06587	1209.53893
42.350746	42.853164	43.910097	44.03512	46.291421	44.296278	44.749531	37.278515
15.148797	6.357773	14.051231	19.330963	40.712275	35.839765	12.082373	6.710132

1543	1435.6	2551.5	2297.7	4823	4381.3	3023	1227.2
4.192934	4.48625	7.248579	6.527556	15.071875	11.905706	9.446875	3.486363
14516.347	13228.302	59975.7698	38348.2219	82844.8802	60522.2862	101901.733	9676.73236
14516.347	13228.302	59975.7698	38348.2219	82844.8802	60522.2862	101901.733	9676.73236
64.375233	7.295706	176.82836	209.569192	819.818076	497.603618	107.934127	17.661066
2250.9633	299.53577	7327.45115	8089.30336	33001.161	20070.4943	4425.92546	622.993576
21.3	20.26	38.64	33.03	70.7	61.84	51.27	17.26
-14516.347	-13228.302	-59975.77	-38348.222	-82844.88	-60522.286	-101901.73	-9676.7324
-95542.7	-88519.536	-212700.54	-155729.84	-315557.91	-272704.23	-318656.83	-62162.264
0.27	0.05	1.31	1.74	5.14	3.85	0.74	0.05
10271.524	8452.5365	16474.512	18286.988	45367.3927	37193.5015	23134.6929	7625.9488
0.33	0.42	0.41	0.59	0.88	0.37	0.18	0.26
164.932	216.768	246.614	335.206	525.272	234.048	99.902	132.574
69198.312	62399.035	105345.672	91492.9586	197138.639	179231.188	123323.332	43536.2748
69198.312	62399.035	105345.672	91492.9586	197138.639	179231.188	123323.332	43536.2748
68925.056	62085.979	104792.752	90894.0826	195993.003	178506.622	122755.25	43308.6368
1543	1435.6	2551.5	2297.7	4823	4381.3	3023	1227.2
164.932	216.768	246.614	335.206	525.272	234.048	99.902	132.574
69198.312	62399.035	105345.672	91492.9586	197138.639	179231.188	123323.332	43536.2748
108.324	96.288	306.306	263.67	620.364	490.518	468.18	95.064

0.024483	0.030437	0.039318	0.038636	0.03375	0.03019	0.0165	0.027272

1435.96	1241.04	1352.64	1353.6	1236.8	1427.56	1258.88	1369.6
3.902065	3.87825	3.842727	3.845454	3.865	3.879239	3.934	3.890909
1472	1280	1408	1408	1280	1472	1280	1408
4	4	4	4	4	4	4	4

10.104241	10.132096		10.237542	10.076454	10.095886	10.504383	10.179802
0.743816	0.714513		0.617051	0.778995	0.752798	0.550971	0.643151
0.702372	0.674036		0.348385	0.732011	0.709327	0.518205	0.60385
309115.5	258348.47		147645.517	279495.187	312381.052	201411.595	255965.459
1437.8149	1328.9958		633.19837	1082.31954	1283.60845	993.117626	1280.99602
15146.524	12639.54		7186.212	13726.688	15296.516	9717.398	12455.74
0.057391	0.058593	0.067585	0.047613	0.06275	0.059293	0.060218	0.0625
152685.9	127672.52		72887.7994	138120.664	154198.164	99507.687	126406.612
135908.77	113525.34		64978.5974	122794.278	137452.46	88596.8986	112602.45
1.9798	1.9798		1.9798	1.9798	1.9798	1.9798	1.9798
166397.1	139137.52		79433.1238	150523.899	168045.16	108443.477	137757.925
20327.168	17653.25		11599.284	17575.312	20286.148	17622.778	19338
55.236869	55.166406		32.952511	54.92285	55.125402	55.071181	54.9375
21564.8	18752	20627.2	20627.2	18752	21564.8	18752	20627.2
58.599999	58.6	58.6	58.6	58.6	58.599999	58.6	58.6
15146.524	12639.54		7186.212	13726.688	15296.516	9717.398	12455.74
22.215525	22.343174		23.122044	22.208855	21.858636	24.565831	22.477441
20.455056	20.509426		20.718144	20.399329	20.436278	21.249889	20.602959
333251.66	277784.1		158981.695	300710.034	331976.445	221656.38	277180.306
503761.35	396453.92		238859.062	546225.923	556497.209	388540.158	349554.792
170509.69	118669.82		79877.3675	245515.889	224520.764	166883.778	72374.4865
503761.35	396453.92		238859.062	546225.923	556497.209	388540.158	349554.792
346.88	301.25		197.94	299.92	346.18	300.73	330
6.303313	2.185717					1.609544	
6.65954	2.086912					1.683416	

0.286	0.099457					0.069049	
0.286	0.099457					0.069049	
25.358285	23.00325		21.610325	21.994007	22.53003	20.087102	21.000647
6.593154	8.508936		4.322065	6.598202	6.083108	4.414557	6.930213
15146.524	12639.54		7186.212	13726.688	15296.516	9717.398	12455.74
41.159032	39.498562		20.415375	42.8959	41.566619	30.366868	35.385625
90700.768	51935.388		41778.9148	173320.218	143921.383	114871.11	6301.7505
90700.768	51935.388		41778.9148	173320.218	143921.383	114871.11	6301.7505
15146.238	12639.441		7186.212	13726.688	15296.516	9717.32895	12455.74
309115.5	258348.47		147645.517	279495.187	312381.052	201411.595	255965.459
0.01						0.01	
-170509.69	-118669.82		-79877.368	-245515.89	-224520.76	-166883.78	-72374.486
-170516.35	-118671.9		-79877.368	-245515.89	-224520.76	-166885.46	-72374.486
1.3	2.58		1.07	1.13	1.28	1.58	2.08
		1	0.40909				
67256.995	52759.885		38975.7862	69701.2337	76083.0464	55177.8062	59390.6054
1.49	1.2		0.7	1.31	1.21	1.25	1.31
24129.865	19433.448		11336.178	21214.8474	19595.3934	20243.175	21214.8474
413060.59	344518.53		197080.147	372905.705	412575.826	273669.048	343253.042
413060.59	344518.53		197080.147	372905.705	412575.826	273669.048	343253.042
302305.86	252662.86		144411.721	273318.177	305497.619	197040.376	250360.376
15146.524	12639.54		7186.212	13726.688	15296.516	9717.398	12455.74
24129.865	19433.448		11336.178	21214.8474	19595.3934	20243.175	21214.8474
413060.59	344518.53		197080.147	372905.705	412575.826	273669.048	343253.042
6815.9358	5687.793		3233.7954	6177.0096	6883.4322	4372.8291	5605.083

9.45	7.8	6.3	8.4	13.35	12.3	4.95	4.5
0.067435	0.076484	0.134033	0.122296	0.29576	0.225946	0.188826	0.059629
0.065923	0.075437	0.129034	0.119517	0.287062	0.219918	0.180906	0.057357
204.33591	16.05057	1281.85481	1464.80752	5238.46744	3383.82961	594.624963	28.169752
0.942144	0.080049	6.703386	5.785543	18.415834	12.572703	2.513891	0.137381
339.64	337.96	635.88	588.98	1286.04	1133.02	810.46	282.66
0.029918	0.035062	0.028607	0.025113	0.027906	0.038722	0.031156	0.036732
5094.6	5069.4	9538.2	8834.7	19290.6	16995.3	12156.9	4239.9
16321.963	15482.973	27338.7268	24388.8415	54585.946	48320.2106	34108.3543	10347.0649
1.83826	1.567287	1.189347	1.585893	2.504232	2.314997	0.923639	0.782234
76.264255	5.382159	426.662067	546.477522	1836.93386	1179.23661	203.8361	12.273163
4997.86	4322.92	4787.02	4804.24	4354.98	4952.5	4340.42	4746.98
13.581141	13.509125	13.599488	13.648409	13.609312	13.45788	13.563812	13.485738
5152	4480	4928	4928	4480	5152	4480	4928
14	14	14	14	14	14	14	14
339.64	337.96	635.88	588.98	1286.04	1133.02	810.46	282.66
29.385907	23.946127	18.104063	25.304392	38.085606	35.049348	13.918701	11.921573
29.385907	23.946127	18.104063	25.304392	38.085606	35.049348	13.918701	11.921573
16573.963	15629.973	27527.7268	24756.3415	54963.946	48509.2106	34223.8543	10462.5649
19619.419	18807.301	42964.1058	34427.4664	76475.4943	64038.8874	61845.9756	12624.1462

3045.4556	3177.3287	15436.379	9671.12489	21511.5483	15529.6768	27622.1213	2161.5813
19619.419	18807.301	42964.1058	34427.4664	76475.4943	64038.8874	61845.9756	12624.1462
185.22	149.2	159.93	191.25	263.53	258.72	131.16	88.37
16369.627	15613.922	26245.872	23291.534	49725.4785	45125.381	33629.2294	10434.3952
19376.728	18790.402	40877.2117	32118.7872	69353.7761	59502.338	60749.3588	12590.1871
8.628025	7.277372	5.788641	7.778169	12.202826	11.192178	4.599598	4.196815
334.55572	337.60119	607.435862	552.548165	1163.57774	1054.40423	796.870926	281.841789
49.7055	46.57821	44.510731	44.619523	44.852068	45.190682	44.437428	37.536256
6.461715	0.465782	10.561607	12.939661	32.158828	27.833524	6.665614	1.126087
339.64	337.96	635.88	588.98	1286.04	1133.02	810.46	282.66
0.922934	1.056125	1.806477	1.673238	4.018875	3.078858	2.532687	0.803011
3045.4556	3177.3287	15436.379	9671.12489	21511.5483	15529.6768	27622.1213	2161.5813
3045.4556	3177.3287	15436.379	9671.12489	21511.5483	15529.6768	27622.1213	2161.5813
5.084283	0.35881	28.444137	36.431834	122.462257	78.615774	13.589073	0.81821
204.33591	16.05057	1281.85481	1464.80752	5238.46744	3383.82961	594.624963	28.169752
13.59	14.7	16.13	16.28	29.98	31.71	13.91	11.21
-3045.4556	-3177.3287	-15436.379	-9671.1249	-21511.548	-15529.677	-27622.121	-2161.5813
-22422.184	-21967.731	-56313.591	-41789.912	-90865.324	-75032.015	-88371.48	-14751.768
0.13	0.02	0.44	0.59	2.76	1.97	0.1	0.02
5353.216	4752.5293	8675.0826	10015.0341	25038.1628	20645.6008	12141.2537	4085.9923
0.24	0.14	0.18	0.35	0.36	0.18	0.11	0.11
252	147	189	367.5	378	189	115.5	115.5
16573.963	15629.973	27527.7268	24756.3415	54963.946	48509.2106	34223.8543	10462.5649
16573.963	15629.973	27527.7268	24756.3415	54963.946	48509.2106	34223.8543	10462.5649
16321.963	15482.973	27338.7268	24388.8415	54585.946	48320.2106	34108.3543	10347.0649
339.64	337.96	635.88	588.98	1286.04	1133.02	810.46	282.66
252	147	189	367.5	378	189	115.5	115.5
16573.963	15629.973	27527.7268	24756.3415	54963.946	48509.2106	34223.8543	10462.5649

10.728273	10.77289	11.202189	11.043936	10.832191	10.820807	11.21494	10.859801
0.486644	0.473165	0.385355	0.425632	0.594357	0.553206	0.422351	0.422614
0.467942	0.452727	0.294798	0.384465	0.571654	0.532341	0.402436	0.406915
1099827.2	804384.86	773742.975	1021811.85	1400653.46	1441390.18	838260.044	934142.625
5094.2312	4127.3543	4093.34282	4589.34011	5352.78923	5878.92041	4111.08877	4664.3366
63215.714	53182.802	38093.568	49680.268	67153.42	71915.508	47275.06	52581.288
0.033359	0.038258	0.035723	0.033688	0.035928	0.033826	0.034309	0.033217
676518.12	570899.03	422875.908	544482.528	727463.104	777595.538	522345.562	568971.378
761423.07	645494.32	554669.192	645214.335	975139.153	1001458.49	654245.375	595369.8
2.223865	2.215203	2.312129	2.221546	2.281424	2.257924	2.218907	2.1717
757323.94	630336.21	445974.155	579930.795	696425.676	772936.92	531763.089	643043.035
6133.7305	1630.8015	14507.998	15599.4512	53916.318	34766.2007	7091.34763	2637.25162
129865.28	112341.81	98884.665	116593.199	112973.922	129985.533	112143.813	124416.32
352.89478	351.06816	280.922343	331.230678	353.043506	353.221557	350.449415	353.455454
135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.1	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
63215.714	53182.802	38093.568	49680.268	67153.42	71915.508	47275.06	52581.288

180.69733	172.02193	122.038016	170.710411	215.9645	206.475414	143.91101	134.406727
25.220243	25.259666	27.593928	26.000845	26.406368	26.027973	26.22515	24.892267
1643890.3	1383613.8	1082352.03	1327668.12	1817936.33	1924970.58	1288300.6	1341689.74
2212303.4	1761955.5	1465775.76	1715865.27	2888261.84	2821412.2	2073004.51	1515638.91
568413.14	378341.73	383423.733	388197.154	1070325.51	896441.617	784703.907	173949.167
2212303.4	1761955.5	1465775.76	1715865.27	2888261.84	2821412.2	2073004.51	1515638.91
1841.57	1542.41	1157.98	1625.51	1941.72	2094.24	1424.14	1441.84
508714.48	549553.86	300045.373	283304.467	387661.963	452843.908	421607.862	377067.071
680627.43	724298.16	474005.36	400650.286	558109.986	623842.239	801497.905	469408.178
20.267921	22.696769	13.460011	13.947706	15.359714	16.26437	8.351652	17.232127
16317.514	18439.357	8677.84145	8474.00042	10568.2842	12833.5837	12881.8311	13179.4568
28.734345	25.384847	25.320439	27.239979	34.468624	32.714289	21.599658	23.494753
28.600903	25.148944	25.273508	27.152235	34.246981	32.653235	21.520912	23.307792
63215.714	53182.802	38093.568	49680.268	67153.42	71915.508	47275.06	52581.288
171.78183	166.19626	108.220363	141.137125	209.854437	195.422576	147.734562	149.378659
250131.62	113273.23	209735.473	147817.923	778458.751	572362.628	563287.107	-96141.354
250131.62	113273.23	209735.473	147817.923	778458.751	572362.628	563287.107	-96141.354
46898.2	34743.445	29415.7265	41206.2676	56585.1358	59081.9243	34393.2289	39401.8312
1099827.2	804384.86	773742.975	1021811.85	1400653.46	1441390.18	838260.044	934142.625
216.84	196.71	120.95	121.46	158.33	181.18	122.89	166.64
-568413.14	-378341.73	-383423.73	-388197.15	-1070325.5	-896441.62	-784703.91	-173949.17
-1249040.6	-1102639.9	-857429.09	-788847.44	-1628435.5	-1520283.9	-1586201.8	-643357.34
151.01	122.88	223.45	229.71	161.67	186.69	196.44	185.06
		0.128099	0.03719			0.004545	
245881.16	194020.91	138074.4	229013.072	333746.619	335143.08	222658.871	213179.572
5.08	4.78	2.79	4.8	5.23	4.93	3.68	4.49
36113.71	30424.407	9253.8724	23640.1154	30902.3032	31541.409	28832.2021	31076.2948
1962171.8	1648682.2	1256040.29	1568047.35	2109803.09	2249049.57	1509717.4	1611780.26
1962171.8	1648682.2	1256040.29	1568047.35	2109803.09	2249049.57	1509717.4	1611780.26
1518747	1275830.5	1000643.35	1225145.13	1671564.83	1774395.41	1186008.46	1238412.83
63215.714	53182.802	38093.568	49680.268	67153.42	71915.508	47275.06	52581.288
36113.71	30424.407	9253.8724	23640.1154	30902.3032	31541.409	28832.2021	31076.2948
1962171.8	1648682.2	1256040.29	1568047.35	2109803.09	2249049.57	1509717.4	1611780.26
89029.579	77358.815	72454.8084	78882.8735	115469.199	119033.765	73459.9352	72200.614
	0.21	0.01	0.03			0.16	0.01

2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
160198.2	99634.974	265510.341	308422.351	265471.998	288557.654	190388.926	176350.251
741.11388	508.13255	1402.22777	1399.24606	1042.29913	1198.52982	923.429067	874.492774
-79191.82	-62288.9	-66461.981	-77525.783	-82656.033	-89309.623	-65144.216	-70464.294
79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
160198.2	99634.974	265510.341	308422.351	265471.998	288557.654	190388.926	176350.251
150.03	121.85	229.87	229.41	160.44	185.45	196.39	184.23
128.97611	107.64141	133.980863	161.283168	174.045292	170.504964	132.640104	127.429539
53.538054	44.685187	63.128284	70.332377	71.557038	71.558276	61.594607	60.527464
8722.662	5966.5749	15836.6513	17977.918	12642.869	14695.5331	15022.3443	11460.3178

-79191.82	-62288.9	-66461.981	-77525.783	-82656.033	-89309.623	-65144.216	-70464.294
-215.19516	-194.65281	-188.81245	-220.2437	-258.3001	-242.68919	-203.57567	-200.18265
-2414749.9	-1748836.6	-1847920.8	-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7
-30.484773	-28.10072	-27.806109	-27.308476	-37.388893	-33.655722	-29.523716	-24.171234
-2414749.9	-1748836.6	-1847920.8	-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2574948.1	1848471.5	2113431.12	2430421.26	3351513.9	3292313.71	2117348.79	1878963
79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
160198.2	99634.974	265510.341	308422.351	265471.998	288557.654	190388.926	176350.251
741.11388	508.13255	1402.22777	1399.24606	1042.29913	1198.52982	923.429067	874.492774
-79191.82	-62288.9	-66461.981	-77525.783	-82656.033	-89309.623	-65144.216	-70464.294
79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
160198.2	99634.974	265510.341	308422.351	265471.998	288557.654	190388.926	176350.251
150.03	121.85	229.87	229.41	160.44	185.45	196.39	184.23
128.97611	107.64141	133.980863	161.283168	174.045292	170.504964	132.640104	127.429539
53.538054	44.685187	63.128284	70.332377	71.557038	71.558276	61.594607	60.527464
8722.662	5966.5749	15836.6513	17977.918	12642.869	14695.5331	15022.3443	11460.3178
-79191.82	-62288.9	-66461.981	-77525.783	-82656.033	-89309.623	-65144.216	-70464.294
-215.19516	-194.65281	-188.81245	-220.2437	-258.3001	-242.68919	-203.57567	-200.18265
-2414749.9	-1748836.6	-1847920.8	-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7
-30.484773	-28.10072	-27.806109	-27.308476	-37.388893	-33.655722	-29.523716	-24.171234
-2414749.9	-1748836.6	-1847920.8	-2121998.9	-3086041.9	-3003756.1	-1926959.9	-1702612.7
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2574948.1	1848471.5	2113431.12	2430421.26	3351513.9	3292313.71	2117348.79	1878963
79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75

206771.16	193076.62	195961.02	158517.297	110909.422	125441.409	140023.223	176734.397
965.56208	994.71791	1040.87032	733.159112	435.073477	522.755617	695.93081	886.401941
7689.5188	7180.2388	7287.50539	5895.02778	4124.56014	4664.98358	5207.26007	6572.49523
232208.32	200646.34	201145.112	157008.932	148726.239	152790.196	151048.287	158014.626
7689.5188	7180.2388	7287.50539	5895.02778	4124.56014	4664.98358	5207.26007	6572.49523
20.895431	22.438246	20.70314	16.747238	12.88925	12.676585	16.272687	18.671861
25437.159	7569.7221	5184.09202	-1508.3655	37816.8167	27348.7876	11025.0632	-18719.771

25437.159	7569.7221	5184.09202	-1508.3655	37816.8167	27348.7876	11025.0632	-18719.771
7689.5188	7180.2388	7287.50539	5895.02778	4124.56014	4664.98358	5207.26007	6572.49523
206771.16	193076.62	195961.02	158517.297	110909.422	125441.409	140023.223	176734.397
-25437.159	-7569.7221	-5184.092	1508.36554	-37816.817	-27348.788	-11025.063	18719.7711
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79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
206771.16	193076.62	195961.02	158517.297	110909.422	125441.409	140023.223	176734.397
206771.16	193076.62	195961.02	158517.297	110909.422	125441.409	140023.223	176734.397
7689.5188	7180.2388	7287.50539	5895.02778	4124.56014	4664.98358	5207.26007	6572.49523
206771.16	193076.62	195961.02	158517.297	110909.422	125441.409	140023.223	176734.397
206771.16	193076.62	195961.02	158517.297	110909.422	125441.409	140023.223	176734.397
7689.5188	7180.2388	7287.50539	5895.02778	4124.56014	4664.98358	5207.26007	6572.49523
232208.32	200646.34	201145.112	157008.932	148726.239	152790.196	151048.287	158014.626
25437.159	7569.7221	5184.09202	-1508.3655	37816.8167	27348.7876	11025.0632	-18719.771
206771.16	193076.62	195961.02	158517.297	110909.422	125441.409	140023.223	176734.397

215281.98	201276.23	204119.961	164709.627	115672.969	130753.282	145670.377	183887.84
1005.302	1036.9515	1084.20194	761.839511	453.723727	544.874563	724.02061	922.311887
8638.9238	8076.8954	8191.00967	6609.53561	4641.77244	5246.92143	5845.52075	7379.12682
260883.18	225700.01	226094.944	176033.098	167461.788	171879.713	169567.231	177412.365
21.414432	20.452957	21.334916	18.071752		23.289621	19.9693	23.462021
0.642432	0.818118	11.947553	1.44574		0.698688	1.397851	1.642341
8638.9238	8076.8954	8191.00967	6609.53561	4641.77244	5246.92143	5845.52075	7379.12682
23.475336	25.240298	23.269913	18.777089	14.505538	14.257938	18.267252	20.963428
45601.2	24423.78	21974.9826	11323.4705	51788.8186	41126.431	23896.8539	-6475.4756
45601.2	24423.78	21974.9826	11323.4705	51788.8186	41126.431	23896.8539	-6475.4756
8638.9238	8076.8954	8191.00967	6609.53561	4641.77244	5246.92143	5845.52075	7379.12682
215281.98	201276.23	204119.961	164709.627	115672.969	130753.282	145670.377	183887.84
-45601.2	-24423.78	-21974.983	-11323.47	-51788.819	-41126.431	-23896.854	6475.47559
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0.15	0.2	7.59	0.8		0.13	0.51	0.29
79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
215281.98	201276.23	204119.961	164709.627	115672.969	130753.282	145670.377	183887.84
215281.98	201276.23	204119.961	164709.627	115672.969	130753.282	145670.377	183887.84
8638.9238	8076.8954	8191.00967	6609.53561	4641.77244	5246.92143	5845.52075	7379.12682
215281.98	201276.23	204119.961	164709.627	115672.969	130753.282	145670.377	183887.84
215281.98	201276.23	204119.961	164709.627	115672.969	130753.282	145670.377	183887.84
8638.9238	8076.8954	8191.00967	6609.53561	4641.77244	5246.92143	5845.52075	7379.12682
260883.18	225700.01	226094.944	176033.098	167461.788	171879.713	169567.231	177412.365
45601.2	24423.78	21974.9826	11323.4705	51788.8186	41126.431	23896.8539	-6475.4756
215281.98	201276.23	204119.961	164709.627	115672.969	130753.282	145670.377	183887.84

177447.79	152560.9	145573.349	164359.551	145064.656	179760.905	116598.876	104905.283
829.49848	787.8644	774.086854	759.117216	565.488383	744.813245	576.875278	526.300747
3463.7475	2977.9601	2841.56449	3208.26763	2831.63489	3508.89918	2275.9882	2047.73146
104545.16	82665.085	78207.8432	86337.8258	102882.048	115822.215	67727.9433	48958.3904
3463.7475	2977.9601	2841.56449	3208.26763	2831.63489	3508.89918	2275.9882	2047.73146

9.412357	9.306125	8.072626	9.114396	8.848859	9.535052	7.112463	5.817418
-72902.622	-69895.813	-67365.506	-78021.725	-42182.608	-63938.69	-48870.932	-55946.892
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3463.7475	2977.9601	2841.56449	3208.26763	2831.63489	3508.89918	2275.9882	2047.73146
177447.79	152560.9	145573.349	164359.551	145064.656	179760.905	116598.876	104905.283
72902.622	69895.813	67365.5055	78021.725	42182.6079	63938.6896	48870.9323	55946.8925
72902.622	69895.813	67365.5055	78021.725	42182.6079	63938.6896	48870.9323	55946.8925
79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
177447.79	152560.9	145573.349	164359.551	145064.656	179760.905	116598.876	104905.283
177447.79	152560.9	145573.349	164359.551	145064.656	179760.905	116598.876	104905.283
3463.7475	2977.9601	2841.56449	3208.26763	2831.63489	3508.89918	2275.9882	2047.73146
177447.79	152560.9	145573.349	164359.551	145064.656	179760.905	116598.876	104905.283
177447.79	152560.9	145573.349	164359.551	145064.656	179760.905	116598.876	104905.283
3463.7475	2977.9601	2841.56449	3208.26763	2831.63489	3508.89918	2275.9882	2047.73146
104545.16	82665.085	78207.8432	86337.8258	102882.048	115822.215	67727.9433	48958.3904
-72902.622	-69895.813	-67365.506	-78021.725	-42182.608	-63938.69	-48870.932	-55946.892
177447.79	152560.9	145573.349	164359.551	145064.656	179760.905	116598.876	104905.283

238969.27	211461	182733.468	166243.176	115733.013	133522.514	151767.988	227840.53
1115.1223	1090.0607	971.439778	771.693274	457.865546	559.426849	756.947609	1144.82696
3778.7677	3343.7856	2889.52353	2628.76622	1830.06029	2111.36169	2399.87331	3602.79143
113789.62	92869.768	78430.3071	69319.9608	62022.8822	66741.2935	69422.8194	86058.2054
3778.7677	3343.7856	2889.52353	2628.76622	1830.06029	2111.36169	2399.87331	3602.79143
10.26839	10.449329	8.208873	7.468085	5.718938	5.737395	7.499604	10.235202
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3778.7677	3343.7856	2889.52353	2628.76622	1830.06029	2111.36169	2399.87331	3602.79143
238969.27	211461	182733.468	166243.176	115733.013	133522.514	151767.988	227840.53
125179.65	118591.23	104303.161	96923.215	53710.1307	66781.22	82345.1686	141782.325
125179.65	118591.23	104303.161	96923.215	53710.1307	66781.22	82345.1686	141782.325
79191.82	62288.9	66279.6615	77171.3956	80435.7334	89309.6233	64718.0098	70464.294
238969.27	211461	182733.468	166243.176	115733.013	133522.514	151767.988	227840.53
238969.27	211461	182733.468	166243.176	115733.013	133522.514	151767.988	227840.53
3778.7677	3343.7856	2889.52353	2628.76622	1830.06029	2111.36169	2399.87331	3602.79143
238969.27	211461	182733.468	166243.176	115733.013	133522.514	151767.988	227840.53
238969.27	211461	182733.468	166243.176	115733.013	133522.514	151767.988	227840.53
3778.7677	3343.7856	2889.52353	2628.76622	1830.06029	2111.36169	2399.87331	3602.79143
113789.62	92869.768	78430.3071	69319.9608	62022.8822	66741.2935	69422.8194	86058.2054
-125179.65	-118591.23	-104303.16	-96923.215	-53710.131	-66781.22	-82345.169	-141782.32
238969.27	211461	182733.468	166243.176	115733.013	133522.514	151767.988	227840.53

838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05
3915.4849	3909.5945	3870.59889	3025.80912	1912.15114	2371.87028	2753.77431	3479.84154
23570.958	21578.88	21209.6031	18341.5972	13428.0278	15532.1659	15728.6423	19602.1449
711426.28	601881.21	583878.206	488699.816	481092.957	507233.418	457766.28	470443.586
21.414432	20.452957	21.334916	18.071752		23.289621	19.9693	23.462021
0.642432	0.818118	11.947553	1.44574		0.698688	1.397851	1.642341

23570.958	21578.88	21209.6031	18341.5972	13428.0278	15532.1659	15728.6423	19602.1449
64.051515	67.433999	60.254554	52.10681	41.962586	42.206972	49.152007	55.687911
-127043.91	-156493.54	-144509.59	-165129.84	-6287.1033	-62244.691	-96294.184	-222924.46
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23570.958	21578.88	21209.6031	18341.5972	13428.0278	15532.1659	15728.6423	19602.1449
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05
127043.91	156493.54	144509.592	165129.835	6287.10329	62244.691	96294.1838	222924.464
127043.91	156493.54	144509.592	165129.835	6287.10329	62244.691	96294.1838	222924.464
0.15	0.2	7.59	0.8		0.13	0.51	0.29
316767.28	249155.6	265665.604	309748.744	328403.831	357238.493	260150.656	281857.176
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05
23570.958	21578.88	21209.6031	18341.5972	13428.0278	15532.1659	15728.6423	19602.1449
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05
23570.958	21578.88	21209.6031	18341.5972	13428.0278	15532.1659	15728.6423	19602.1449
711426.28	601881.21	583878.206	488699.816	481092.957	507233.418	457766.28	470443.586
-127043.91	-156493.54	-144509.59	-165129.84	-6287.1033	-62244.691	-96294.184	-222924.46
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05

10.728273	10.77289	11.202189	11.043936	10.832191	10.820807	11.21494	10.859801
0.486644	0.473165	0.385355	0.425632	0.594357	0.553206	0.422351	0.422614
0.467942	0.452727	0.294798	0.384465	0.571654	0.532341	0.402436	0.406915
2414749.9	1748836.6	1847920.78	2121998.91	3086041.9	3003756.06	1926959.87	1702612.75
2098495.6	1662394.6	1767641.11	1984063.86	2153505.52	2299425.94	1582709.43	1803860.93
9750.83	8545.0813	9366.16948	9014.39528	8307.23949	9449.32051	7788.29215	9018.67091
7594.8522	12472.782	-7158.8098	-9503.9176	-2074.5848	-1861.9494	-2140.5132	1719.13894
2888225.5	2511500.5	2762650.5	2762650.5	2511500.46	2888225.53	2511500.46	2762650.5
0.033359	0.038258	0.035723	0.033688	0.035928	0.033826	0.034309	0.033217
676518.12	570899.03	422875.908	544482.528	727463.104	777595.538	522345.562	568971.378
761423.07	645494.32	554669.192	645214.335	975139.153	1001458.49	654245.375	595369.8
2.223865	2.215203	2.312129	2.221546	2.281424	2.257924	2.218907	2.1717
757323.94	630336.21	445974.155	579930.795	696425.676	772936.92	531763.089	643043.035
6133.7305	1630.8015	14507.998	15599.4512	53916.318	34766.2007	7091.34763	2637.25162
129865.28	112341.81	98884.665	116593.199	112973.922	129985.533	112143.813	124416.32
352.89478	351.06816	280.922343	331.230678	353.043506	353.221557	350.449415	353.455454
135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.1	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
63215.714	53182.802	38093.568	49680.268	67153.42	71915.508	47275.06	52581.288
180.69733	172.02193	122.038016	170.710411	215.9645	206.475414	143.91101	134.406727
25.220243	25.259666	27.593928	26.000845	26.406368	26.027973	26.22515	24.892267
1643890.3	1383613.8	1082352.03	1327668.12	1817936.33	1924970.58	1288300.6	1341689.74
2212303.4	1761955.5	1465775.76	1715865.27	2888261.84	2821412.2	2073004.51	1515638.91
79191.82	62288.9	66461.9809	77525.7828	82656.0326	89309.6233	65144.2155	70464.294
568413.14	378341.73	383423.733	388197.154	1070325.51	896441.617	784703.907	173949.167

2923729.7	2363836.7	2049653.97	2204565.09	3369354.8	3328645.62	2530770.79	1986082.5
1841.57	1542.41	1157.98	1625.51	1941.72	2094.24	1424.14	1441.84
508714.48	549553.86	300045.373	283304.467	387661.963	452843.908	421607.862	377067.071
21.915161	20.385756	20.17018	19.502467	26.002177	23.669486	21.07002	17.776521
160198.2	99634.974	265510.341	308422.351	265471.998	288557.654	190388.926	176350.251
150.03	121.85	229.87	229.41	160.44	185.45	196.39	184.23
128.97611	107.64141	133.980863	161.283168	174.045292	170.504964	132.640104	127.429539
4.461504	3.723765	5.738934	5.861031	5.963086	5.963189	4.106307	5.043955
8,723	5,967	15,837	17,978	12,643	14,696	15,022	11,460
680627.43	724298.16	474005.36	400650.286	558109.986	623842.239	801497.905	469408.178
11.822954	13.239782	7.341824	8.136162	8.959833	9.487549	5.567768	10.052074
16,318	18,439	8,678	8,474	10,568	12,834	12,882	13,179
28.680901	25.334511	24.999615	27.11606	34.468624	32.649806	21.530965	23.486161
28.547886	25.100191	24.961455	27.031309	34.246981	32.588915	21.453403	23.301904
7594.8522	12472.782	-7158.8098	-9503.9176	-2074.5848	-1861.9494	-2140.5132	1719.13894
20.638185	38.977443	-20.337527	-26.999765	-6.483077	-5.059645	-6.689103	4.883917
-5179887.7	-4303557.3	-4545345.4	-4901961.3	-4825370.7	-5381863.6	-3971467.4	-4784329.1
-65.420895	-69.095195	-68.396163	-63.29055	-58.410619	-60.290013	-61.023019	-67.907708
-5179887.7	-4303557.3	-4545345.4	-4901961.3	-4825370.7	-5381863.6	-3971467.4	-4784329.1
70469.158	56322.325	50625.3296	59547.8648	70013.1636	74614.0902	50121.8712	59003.9762
1938297.4	1562759.6	1502130.77	1675641.5	1888033.52	2010868.29	1392320.51	1627510.67
4861606.2	4038488.8	4371657.14	4661582.1	4533503.95	5057784.66	3750050.6	4514238.55
4341177	3413825.6	4163162.12	4569354.16	4240865.96	4722500.08	3138941.62	4221180.62
		0.128099	0.03719			0.004545	
641840.26	505465.41	470201.985	616287.598	744806.482	781691.197	547953.742	565501.042
5.08	4.78	2.79	4.8	5.23	4.93	3.68	4.49
36113.71	30424.407	9253.8724	23640.1154	30902.3032	31541.409	28832.2021	31076.2948
8103617.4	6667394	6594999.37	7106526.42	8194725.51	8710509.27	6502238.19	6770411.57
5215391.9	4155893.6	3832348.86	4343875.91	5683225.05	5822283.74	3990737.73	4007761.06
1518747	1275830.5	1000643.35	1225145.13	1671564.83	1774395.41	1186008.46	1238412.83
86786.672	74761.682	59303.1711	68021.8652	80581.4478	87447.6739	63003.7023	72183.4329
36113.71	30424.407	9253.8724	23640.1154	30902.3032	31541.409	28832.2021	31076.2948
5215391.9	4155893.6	3832348.86	4343875.91	5683225.05	5822283.74	3990737.73	4007761.06
89029.579	77358.815	72454.8084	78882.8735	115469.199	119033.765	73459.9352	72200.614
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05
23570.958	21578.88	21209.6031	18341.5972	13428.0278	15532.1659	15728.6423	19602.1449
711426.28	601881.21	583878.206	488699.816	481092.957	507233.418	457766.28	470443.586
-127043.91	-156493.54	-144509.59	-165129.84	-6287.1033	-62244.691	-96294.184	-222924.46
838470.2	758374.75	728387.798	653829.651	487380.06	569478.109	554060.464	693368.05

2017-11	2017-12	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06
2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817	2817903.52	2689816.99
-2637075.5	-2511500.5	-2817903.5	-2561730.5	-2817903.5	-2689817	-2817903.5	-2689817
-2637075.5	-2511500.5	-2817903.5	-2561730.5	-2817903.5	-2689817	-2817903.5	-2689817
2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817	2817903.52	2689816.99
2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817	2817903.52	2689816.99
2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817	2817903.52	2689816.99
24.119999	26.72	35.369999	32.969999	27.22	24.77	25.619999	25.42
0	0	0	0	0	0	0	0
23.989999	26.59	35.239999	32.839999	27.09	24.64	25.489999	25.29
24.089999	26.69	35.339999	32.939999	27.19	24.74	25.589999	25.39
23.34	25.94	34.59	32.19	26.439999	23.989999	24.84	24.639999
23.63	26.23	34.88	32.48	26.729999	24.279999	25.13	24.929999
24.069999	26.67	35.319999	32.919999	27.17	24.72	25.569999	25.37
24.109999	26.71	35.359999	32.959999	27.21	24.76	25.609999	25.41
17.96963	17.96963	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023
0.89	0.889999	0.969999	0.97	0.97	0.97	0.97	0.97
23.8	26.4	35.05	32.65	26.9	24.45	25.3	25.1
3.39829	3.845042	4.128121	4.154634	3.670184	3.302648	3.091531	3.077573
17.783993	19.554556	25.381428	23.783638	19.909933	18.245972	18.795046	18.660549
17.783993	19.554556	25.381428	23.783638	19.909933	18.245972	18.795046	18.660549

0.031636	0.029531	0.020738	0.033062	0.029943	0.034761	0.029857	0.031101
7320.825	6987.375	7755.75	6961.95	7682.85	7297.2	7683.525	7324.875
21.788169	21.835546	22.03338	21.756093	21.826278	21.717857	21.828196	21.800223
7560	7200	7920	7200	7920	7560	7920	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5

6.5933	6.12235	6.687489	6.5933	6.5933	6.21654	4.05017	5.74559
0.076815	0.057854	0.269079	0.233754	0.122007	0.107909	0.219547	0.184061
0.074672	0.056718	0.262642	0.224968	0.118636	0.103869	0.213948	0.180238
5672.8855	14203.8248	54960.7879	36843.7278	10711.765	3583.2755	81281.376	27538.1209
25.901914	53.092371	212.117152	147.241786	46.306579	17.625655	415.674971	109.6083
1455.22	1052.7	5362.1	4175.42	2422.08	2024.2	4367.98	3512.48
0.028333	0.020812	0.02821	0.034562	0.029573	0.032648	0.028693	0.031964
13706.7172	9915.3813	50505.6199	39328.281	22813.5715	19065.94	41142.0036	33084.0491
41157.5843	37796.5788	199766.827	152758.104	78515.9451	62871.085	128074.513	101149.45
2.214259	2.502864	2.516285	2.500075	2.329116	2.172857	1.336878	1.863614
1514.21881	3091.08002	11471.2095	7899.98316	2698.335	861.69262	20872.0685	7275.76747
18935.84	18173.72	19840.06	17918.52	19812.22	18851.74	19830.2	18865.08
56.356666	56.792875	56.363806	55.995375	56.284715	56.106369	56.335795	56.146071
19488	18560	20416	18560	20416	19488	20416	19488
58	58	58	58	58	58	58	58
1455.22	1052.7	5362.1	4175.42	2422.08	2024.2	4367.98	3512.48
26.185888	28.696809	29.024814	28.724496	27.23422	25.463529	15.789153	22.160623
26.185888	28.696809	29.024814	28.724496	27.23422	25.463529	15.789153	22.160623
51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658	160136.898	127021.981
60177.3878	51725.5407	358860.27	278589.168	123746.357	94466.443	289124.43	184485.365
8367.46669	6191.79968	119820.596	95220.1595	27357.0912	16614.785	128987.533	57463.3838
60177.3878	51725.5407	358860.27	278589.168	123746.357	94466.443	289124.43	184485.365
165.49	150.23	262.25	226.46	198.86	161.88	139.09	167.49
46137.0356	31329.9163	184078.886	146525.281	85677.5006	74268.383	78855.5217	99483.8606
53538.091	35657.5267	278018.939	221015.157	110165.132	90111.101	139068.451	142795.52
37.806988	29.828972	34.688923	35.686646	37.834602	37.076515	18.264079	29.882747
1294.45784	724.525032	4144.22024	3336.69156	2135.60214	1932.7155	2152.02624	2740.02353
37.475344	44.837769	42.70905	42.636782	40.847051	39.177054	38.00112	36.8768
19.416426	27.611672	29.021946	28.078137	23.142216	16.361928	15.953025	21.989539
1455.22	1052.7	5362.1	4175.42	2422.08	2024.2	4367.98	3512.48
4.331011	3.289687	15.233238	13.048187	6.880909	6.024404	12.409034	10.453809
8367.46669	6191.79968	119820.596	95220.1595	27357.0912	16614.785	128987.533	57463.3838
8367.46669	6191.79968	119820.596	95220.1595	27357.0912	16614.785	128987.533	57463.3838
160.762162	328.174967	1217.87976	838.728438	286.477863	91.484511	2215.95376	772.456467
5672.8855	14203.8248	54960.7879	36843.7278	10711.765	3583.2755	81281.376	27538.1209
16.06	13.03	28.91	24.31	21.58	22.01	12.15	20.91
-8367.4667	-6191.7997	-119820.6	-95220.16	-27357.091	-16614.785	-128987.53	-57463.384
-61905.558	-41849.326	-397839.54	-316235.32	-137522.22	-106725.89	-268055.98	-200258.9
0.86	2.02	4.04	2.27	1.26	0.37	6.48	2.32
5480.6662	4792.1183	23634.3516	17778.0787	9372.5156	7025.6601	14653.887	14314.0881
0.7	0.59	0.62	0.56	0.63	0.64	0.69	0.79
262.066	220.8842	236.7594	213.8472	240.5781	244.3968	263.4903	301.6773

51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658	160136.898	127021.981
51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658	160136.898	127021.981
41157.5843	37796.5788	199766.827	152758.104	78515.9451	62871.085	128074.513	101149.45
1455.22	1052.7	5362.1	4175.42	2422.08	2024.2	4367.98	3512.48
262.066	220.8842	236.7594	213.8472	240.5781	244.3968	263.4903	301.6773
51809.9211	45533.741	239039.674	183369.009	96389.2656	77851.658	160136.898	127021.981
10390.2708	7516.278	39036.088	30397.0576	17632.7424	14736.176	31798.8944	25570.8544

10.943466	10.854704	10.916414	10.952713	10.940141	10.990514	11.188534	11.074552
0.645186	0.704666	0.721178	0.6928	0.669901	0.634241	0.56681	0.610711
0.619241	0.68433	0.694555	0.667535	0.647183	0.608056	0.27418	0.585555
462890.651	597027.494	652797.568	557999.519	507048.28	368126.64	234259.774	510741.376
2133.32459	2313.03336	2553.23645	2266.73203	2287.26552	1849.7177	1210.86267	2255.59899
23095.222	24307.408	27137.692	23710.878	25286.74	22678.072	10712.784	21838.894
0.040714	0.028968	0.035795	0.036718	0.035056	0.040476	0.035852	0.041547
251779.495	262929.951	293016.421	256837.186	274737.279	247653.94	117957.251	239289.133
224013.467	234008.157	283590.449	248775.352	265094.692	239422.81	114703.842	230539.333
2.3267	2.3267	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997
361731.6	377751.46	418925.577	367200.125	392791.888	354070.83	168643.482	342111.674
35777.52	34491.03	37673.4	34215.75	37702.26	35786.4	18855.57	35746.44
106.480714	107.784468	107.026704	106.924218	107.108693	106.50714	53.56696	106.388214
37296	35520	39072	35520	39072	37296	39072	37296
111	111	111	111	111	111	111	111
23095.222	24307.408	27137.692	23710.878	25286.74	22678.072	10712.784	21838.894
27.122728	26.858592	27.826352	27.973835	27.934435	28.071836	28.613985	28.342105
26.833036	26.625979	27.598988	27.685512	27.658942	27.77859	28.246348	27.984799
623376.462	650474.267	745883.055	655207.546	699398.476	631279.79	301437.262	609851.258
630379.213	725316.956	1142331.67	948617.161	800788.55	648732.62	372844.614	677783.55
7002.75179	74842.6897	396448.614	293409.614	101390.073	17452.834	71407.352	67932.2917
630379.213	725316.956	1142331.67	948617.161	800788.55	648732.62	372844.614	677783.55
322.32	310.73	339.4	308.25	339.66	322.22	169.87	322.04
154494.871	48033.2731	87711.2273	91171.1877	186239.737	257116.31	64085.4476	92484.0822
187661.343	61165.0867	164955.896	163317.981	259867.6	327853.95	123027.577	135200.727
43.25528	22.938144	23.162713	23.780197	41.309442	55.99037	24.218613	29.019488
5945.57579	1853.04698	3289.72981	3417.84952	6988.71353	9608.5079	2386.87157	3476.68673
21.820584	24.096103	23.113397	21.632488	22.272671	21.655093	16.60602	20.059073
21.544598	24.06247	23.091336	21.601377	22.068479	21.15415	16.509249	19.951483
23095.222	24307.408	27137.692	23710.878	25286.74	22678.072	10712.784	21838.894
68.735779	75.96065	77.095715	74.096493	71.837329	67.494261	30.434045	64.996708
-124602.39	-62590.796	243288.931	159160.817	-42215.103	-111995.88	9751.09674	-57144.138
-124602.39	-62590.796	243288.931	159160.817	-42215.103	-111995.88	9751.09674	-57144.138
17149.6462	22454.361	23847.9622	20293.0285	18298.0265	13069.564	8325.91243	18362.2073
462890.651	597027.494	652797.568	557999.519	507048.28	368126.64	234259.774	510741.376
111.86	70.83	60	64.72	113.68	119.33	19.71	51.14
-7002.7518	-74842.69	-396448.61	-293409.61	-101390.07	-17452.834	-71407.352	-67932.292
-194664.09	-136007.78	-561404.51	-456727.6	-361257.67	-345306.79	-194434.93	-203133.02

177.03	213.81	182.38	166.28	176.73	160.5	105.64	203.39
						0.5	
67584.0139	77633.3051	84282.0045	73455.8603	72715.3896	62006.566	30994.2648	70135.1157
0.83	0.75	0.73	0.82	0.83	0.82	0.42	0.9
5990.94	5413.5	5374.26	6036.84	6110.46	6036.84	3092.04	6625.8
754981.603	787907.752	899042.738	789456.344	843003.652	760728.5	363093.517	734927.688
754981.603	787907.752	899042.738	789456.344	843003.652	760728.5	363093.517	734927.688
585745.067	611759.618	702516.026	615975.477	657886.58	593493.65	283347.324	572651.007
23095.222	24307.408	27137.692	23710.878	25286.74	22678.072	10712.784	21838.894
5990.94	5413.5	5374.26	6036.84	6110.46	6036.84	3092.04	6625.8
754981.603	787907.752	899042.738	789456.344	843003.652	760728.5	363093.517	734927.688
31640.4541	33301.149	37992.7688	33195.2292	35401.436	31749.301	14997.8976	30574.4516
					0.06	0.04	0.06
0.028571	0.021125	0.034488	0.029531	0.026789	0.03494	0.029147	0.033601
979.2	939.72	1019.58	931.65	1027.71	972.78	1025.22	974.13
2.914285	2.936625	2.896534	2.911406	2.91963	2.895178	2.912556	2.899196
1008	960	1056	960	1056	1008	1056	1008
3	3	3	3	3	3	3	3

11.368794	11.256874	11.437521	11.50953	11.381519	11.418793	11.920331	11.585518
0.750553	0.797866	0.781584	0.753143	0.777367	0.744548	0.609569	0.706588
0.710123	0.685661	0.74663	0.713416	0.74158	0.706957	0.395714	0.676888
226194.255	206415.162	239407.243	208910.145	237763.928	217077.58	130874.78	209319.173
1047.3502	798.850014	938.823266	852.604101	1080.10024	1095.3291	677.591563	935.133436
10259.86	9434.7	11301	9816.61	11224.56	10214.12	5989.54	9779.68
0.055148	0.046156	0.046363	0.050875	0.046761	0.05247	0.04463	0.04375
116287.374	105965.56	127447.179	111271.218	126709.355	115757.16	69605.9591	111755.324
103343.228	94341.575	123431.388	107699.809	122469.511	111785.32	67700.0765	107740.974
1.8684	1.8684	1.799299	1.799299	1.7993	1.7993	1.7993	1.799299
113775.566	103676.704	105691.945	92277.2211	105080.068	95997.413	57724.2219	92678.6903
13651.21	11808.23	14434.24	13059.96	14428.22	13689.91	9818.19	13815.9
40.628601	36.900718	41.006363	40.812375	40.989261	40.743779	27.892585	41.11875
14448	13760	15136	13760	15136	14448	15136	14448
43	43	43	43	43	43	43	43
10259.86	9434.7	11301	9816.61	11224.56	10214.12	5989.54	9779.68
22.511673	22.303221	21.921925	22.084998	21.81339	21.983735	23.008758	22.20874
22.133175	21.922627	21.493387	21.624014	21.397798	21.460999	22.354117	21.770338
229855.77	209628.162	243449.197	212733.615	241915.124	221738.58	133933.556	212851.331
264441.379	267576.043	450763.054	373697.922	332599.504	274642.09	198304.217	284784.89
34585.6092	57947.8805	207313.857	160964.307	90684.3795	52903.51	64370.6617	71933.5585
264441.379	267576.043	450763.054	373697.922	332599.504	274642.09	198304.217	284784.89
317.02	274.61	335.68	303.72	335.54	318.37	228.33	321.3
55.814549							
72.904399							
1.019161							
2.672576							
22.281464	25.300054	34.722253	26.77713	23.659097	25.334339	17.110563	21.150521
17.378468	17.457037	6.250005	6.426511	7.097729	7.093614	16.939457	5.499135
10259.86	9434.7	11301	9816.61	11224.56	10214.12	5989.54	9779.68
30.535297	29.483437	32.105113	30.676906	31.887954	30.399166	17.015738	29.10619
-26197.801	2559.6822	140697.217	102802.841	24453.3996	-7602.7574	27987.6268	13519.0506
-26197.801	2559.6822	140697.217	102802.841	24453.3996	-7602.7574	27987.6268	13519.0506

10257.1874	9434.7	11301	9816.61	11224.56	10214.12	5989.54	9779.68
226194.255	206415.162	239407.243	208910.145	237763.928	217077.58	130874.78	209319.173
0.01							
-34585.609	-57947.88	-207313.86	-160964.31	-90684.38	-52903.51	-64370.662	-71933.559
-34658.514	-57947.88	-207313.86	-160964.31	-90684.38	-52903.51	-64370.662	-71933.559
19.54	13.82	1.37	2.26	3.9	3.05	88.44	3.35
	0.099999					0.318181	
65845.9301	67142.4053	82325.7105	71557.4289	71100.8569	60077.891	41266.1327	69646.4576
1.01	0.9	1.11	1.05	1.14	1.28	0.84	0.97
3605.7	3213	4041.954	3823.47	4151.196	4660.992	3058.776	3532.158
290639.18	265016.36	310065.838	270895.081	308146.104	282244.84	170316.591	271265.839
290639.18	265016.36	310065.838	270895.081	308146.104	282244.84	170316.591	271265.839
217118.794	198018.279	229123.333	199977.03	227549.579	207782.74	125424.298	200419.665
10259.86	9434.7	11301	9816.61	11224.56	10214.12	5989.54	9779.68
3605.7	3213	4041.954	3823.47	4151.196	4660.992	3058.776	3532.158
290639.18	265016.36	310065.838	270895.081	308146.104	282244.84	170316.591	271265.839
9131.2754	8396.883	10283.91	8933.1151	10214.3496	9294.8492	5450.4814	8899.5088
0.033839	0.020718	0.031931	0.038875	0.026846	0.033214	0.019119	0.035416
973.89	940.11	1022.28	922.68	1027.65	974.52	1035.81	972.3
2.898482	2.937843	2.904204	2.883375	2.91946	2.900357	2.942642	2.89375
1008	960	1056	960	1056	1008	1056	1008
3	3	3	3	3	3	3	3

5.472138	4.2	8.654625	8.664149	6.89086	5.484684	4.721816	6.956396
0.021065	0.007929	0.159183	0.135231	0.047884	0.032736	0.156885	0.103354
0.020821	0.00785	0.154085	0.131162	0.046892	0.031279	0.150909	0.099827
708.76985	674.590403	10697.4431	7136.42647	1325.64715	384.9748	31614.0106	4964.87333
3.198736	2.536344	41.020979	28.338693	5.61229	1.897858	160.386828	19.687812
349.8	125.6	2711.9	2098.6	825.3	525.5	2656	1677.1
0.03177	0.026609	0.028963	0.030187	0.033707	0.030922	0.028309	0.024434
4937.4	1758.4	38949.1	30177.8	11745.3	7453.9	38397.2	24046.7
13346.1391	6507.92086	148791.433	112092.966	37917.9001	24025.499	119445.751	73367.2531
1.13071	1.095045	2.045175	2.009607	1.472486	1.281542	1.02305	1.48565
261.858169	185.747794	2705.61566	1858.50821	440.78795	111.73301	10091.8713	1646.74882
16271.5	15578.3	17063.7	15554.8	17046.2	16255.9	17103.1	16386.5
48.427083	48.682187	48.47642	48.60875	48.426704	48.380654	48.588352	48.769345
16800	16000	17600	16000	17600	16800	17600	16800
50	50	50	50	50	50	50	50
349.8	125.6	2711.9	2098.6	825.3	525.5	2656	1677.1
18.127718	15.518799	50.906095	49.742737	27.70201	24.152345	27.463415	37.985629
16.115902	15.518799	29.392135	28.73526	20.835639	18.142724	14.722001	21.306611
13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448	120198.951	73808.7411
15327.123	7120.28633	204549.669	160118.33	48764.2977	28384.217	200951.538	102573.588
1914.22386	567.441465	54888.5746	47610.8193	10714.4566	4242.769	80752.5866	28764.8466
15327.123	7120.28633	204549.669	160118.33	48764.2977	28384.217	200951.538	102573.588
108.41	93.02	318.97	290.78	195.92	136.43	231.69	241.92
12704.1293	5878.25446	138963.651	105371.084	36724.194	23756.473	88584.9407	68843.8678
14510.1073	6392.34135	189723.582	149463.693	47110.146	27939.812	146054.535	94908.8083
7.690285	11.299079	13.116689	13.642522	9.940915	8.329756	7.064943	10.764265
331.252308	112.3323	2520.71539	1967.24504	793.857358	517.5241	1944.38517	1560.31569
41.356811	52.778234	57.343304	54.538131	44.371517	49.241424	51.975985	44.903071
6.187567	7.374375	26.231325	20.724489	7.986873	4.431728	16.477269	15.251577

349.8	125.6	2711.9	2098.6	825.3	525.5	2656	1677.1
1.041071	0.3925	7.704261	6.558125	2.344602	1.563988	7.545454	4.991369
1914.22386	567.441465	54888.5746	47610.8193	10714.4566	4242.769	80752.5866	28764.8466
1914.22386	567.441465	54888.5746	47610.8193	10714.4566	4242.769	80752.5866	28764.8466
18.547691	13.267699	191.184608	131.354955	31.442641	7.975899	711.614826	116.784313
708.76985	674.590403	10697.4431	7136.42647	1325.64715	384.9748	31614.0106	4964.87333
4.83	2.01	41.11	32.83	11.62	8.28	41.64	25.49
-1914.2239	-567.44147	-54888.575	-47610.819	-10714.457	-4242.769	-80752.587	-28764.847
-16424.331	-6959.7828	-244612.16	-197074.51	-57824.603	-32182.581	-226807.12	-123673.65
0.15	0.16	1.21	0.62	0.11	0.06	4.45	0.42
2131.4739	828.8034	23588.6319	17959.898	5697.7619	3136.4689	18864.3753	13412.8055
0.13	0.11	0.91	0.23	0.13	0.17	0.54	0.44
53.092	44.924	529.061	138.113	65.693	82.357	332.624	244.824
13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448	120198.951	73808.7411
13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448	120198.951	73808.7411
13346.1391	6507.92086	148791.433	112092.966	37917.9001	24025.499	119445.751	73367.2531
349.8	125.6	2711.9	2098.6	825.3	525.5	2656	1677.1
53.092	44.924	529.061	138.113	65.693	82.357	332.624	244.824
13412.8991	6552.84486	149661.094	112507.511	38049.8411	24141.448	120198.951	73808.7411
13.668		340.6	276.432	66.248	33.592	420.576	196.664

10.173771	10.109572	10.3252	10.367101	10.299218	10.320947	10.697444	10.466372
0.660042	0.730749	0.649745	0.627068	0.613383	0.583589	0.430979	0.529923
0.627945	0.694454	0.618668	0.59714	0.576398	0.552178	0.295793	0.500815
253913.048	265985.459	294229.139	258820.046	274886.216	249228.22	143165.757	229702.801
1174.68768	1033.95817	1154.66418	1055.17271	1245.2808	1254.7018	742.575224	1020.31802
12363.992	13022.41	12761.398	11197.572	11889.48	10872.174	6101.392	9860.866
0.050654	0.053156	0.050767	0.050718	0.061335	0.057738	0.06588	0.053898
125464.639	131420.677	129459.336	113883.74	121080.139	111031.13	63112.3347	101322.907
111617.888	116903.121	125045.944	110004.825	116742.387	107161.01	61391.3679	97409.5565
1.9798	1.9798	2.2315	2.2315	2.2315	2.2315	2.2315	2.2315
136731.364	143222.253	163312.952	143664.338	152742.596	140065.77	79616.2102	127818.847
18692.228	17755.214	19580.018	17800.922	19362.026	18552.76	14052.866	18628.354
55.63163	55.485043	55.625051	55.627881	55.005755	55.216547	39.922914	55.441529
19689.6	18752	20627.2	18752	20627.2	19689.6	20627.2	19689.6
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
12363.992	13022.41	12761.398	11197.572	11889.48	10872.174	6101.392	9860.866
22.334394	22.327381	25.660854	26.119255	25.932022	25.952034	29.655535	26.177605
20.592229	20.464595	23.503126	23.597232	23.449922	23.495124	24.329293	23.827143
273346.496	286714.47	315372.729	277485.872	297254.023	271884.92	161819.307	246282.832
335234.812	380010.355	555955.64	469600.947	385827.313	323094.39	237520.216	323154.593
61888.316	93295.8852	240582.911	192115.076	88573.289	51209.471	75700.9084	76871.7608
335234.812	380010.355	555955.64	469600.947	385827.313	323094.39	237520.216	323154.593
318.98	302.99	334.13	303.77	330.41	316.05	239.81	317.89
				67.927195	2999.7692	648.46103	61.601275
				103.768796	4415.9772	1278.31981	82.448049

				0.716621	6.455137	2.658849	1.063343
				2.957993	132.17893	28.326419	2.718147
22.942442	23.670281	28.543157	26.602281	24.464224	22.043276	16.267465	20.335154
7.341581	8.047895	19.123915	17.823528	20.300499	21.35131	16.26597	16.456641
12363.992	13022.41	12761.398	11197.572	11889.48	10872.174	6101.392	9860.866
36.797595	40.695031	36.253971	34.992412	33.776931	32.35766	17.3335	29.347815
-3692.0508	24602.2976	172914.516	132588.045	25284.7003	-6826.5008	42712.0911	23910.2774
-3692.0508	24602.2976	172914.516	132588.045	25284.7003	-6826.5008	42712.0911	23910.2774
12363.992	13022.41	12761.398	11197.572	11886.522	10739.995	6073.06558	9858.14785
253913.048	265985.459	294229.139	258820.046	274886.216	249228.22	143165.757	229702.801
					1.06	0.96	
-61888.316	-93295.885	-240582.91	-192115.08	-88573.289	-51209.471	-75700.908	-76871.761
-61888.316	-93295.885	-240582.91	-192115.08	-88677.058	-55625.448	-76979.228	-76954.209
2.13	2.86	13.77	13.04	15.63	16.54	50.8	16.59
						0.272727	
61790.311	70096.2989	77022.5709	68014.7903	65720.7244	57027.574	38557.3747	64748.3056
1.2	1.28	1.28	1.13	1.35	1.19	1.09	1
19433.448	20729.0112	21143.5904	18665.8259	22299.8805	19656.932	18005.0887	16518.43
338926.862	355408.058	383041.124	337012.903	360542.612	329920.89	194808.124	299244.315
338926.862	355408.058	383041.124	337012.903	360542.612	329920.89	194808.124	299244.315
248349.251	260125.374	288358.896	253669.163	269484.982	247226.79	141007.578	225228.404
12363.992	13022.41	12761.398	11197.572	11889.48	10872.174	6101.392	9860.866
19433.448	20729.0112	21143.5904	18665.8259	22299.8805	19656.932	18005.0887	16518.43
338926.862	355408.058	383041.124	337012.903	360542.612	329920.89	194808.124	299244.315
5563.7964	5860.0845	5870.24308	5150.88312	5469.1608	5001.2	2806.64032	4535.99836

3.3	1.65	7.35	8.25	5.7	3.45	4.5	5.85
0.014433	0.003315	0.148041	0.125362	0.040526	0.024779	0.151229	0.09308
0.014136	0.003093	0.145965	0.120718	0.039261	0.022767	0.143409	0.091339
57.551434	46.285631	2017.26167	1273.45402	133.951447	48.118526	6052.80477	809.106074
0.261158	0.171655	7.717715	5.020549	0.571487	0.23671	30.554655	3.198762
66.5	13.86	719.32	540.82	193.48	107.1	706.72	429.66
0.027648	0.026218	0.021846	0.02825	0.029034	0.035595	0.034602	0.025952
997.5	207.9	10789.8	8112.3	2902.2	1606.5	10600.8	6444.9
2606.90218	772.925431	41136.8461	30135.3424	9356.5019	5172.5503	32890.5332	19690.8122
0.634745	0.410132	1.677649	1.835051	1.138851	0.750186	0.918015	1.188139
23.206934	12.6	515.670515	304.83102	46.168647	13.613059	1916.97485	257.611482
4573.94	4362.54	4820.34	4353.44	4784.92	4536.56	4757.48	4581.92
13.612916	13.632937	13.694147	13.6045	13.593522	13.501666	13.515568	13.636666
4704	4480	4928	4480	4928	4704	4928	4704
14	14	14	14	14	14	14	14
66.5	13.86	719.32	540.82	193.48	107.1	706.72	429.66
9.620186	6.425427	25.88777	27.642564	17.173925	11.356752	13.978082	18.516586
9.620186	6.425427	25.88777	27.642564	17.173925	11.356752	13.978082	18.516586
2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503	33205.5332	19879.8122
2990.04635	840.839591	55874.3756	42029.1107	12005.2815	6132.8979	54363.5288	27265.6135

351.644178	46.91416	14233.5295	11820.2683	2596.27957	886.84758	21157.9956	7385.80134
2990.04635	840.839591	55874.3756	42029.1107	12005.2815	6132.8979	54363.5288	27265.6135
66.74	38.22	170.7	168.46	125.05	86.73	135.93	145.38
2580.85074	747.639799	39623.5845	28935.3883	9275.05046	5197.9318	27152.7284	19070.7061
2917.34481	792.063327	53081.4151	40176.2576	11842.0868	6081.5991	44034.9536	26131.9811
3.079735	1.54	6.726202	7.507763	5.270992	3.210976	3.944673	5.415654
64.952871	13.02	684.941965	520.497931	190.40209	106.19246	578.921676	412.485901
39.943637	56.515872	56.19775	57.75253	51.639998	54.425928	49.501547	46.066727
0.399436	1.130317	16.20604	10.97298	4.131199	1.632777	14.327159	8.29201
66.5	13.86	719.32	540.82	193.48	107.1	706.72	429.66
0.197916	0.043312	2.043522	1.690062	0.549659	0.31875	2.007727	1.27875
351.644178	46.91416	14233.5295	11820.2683	2596.27957	886.84758	21157.9956	7385.80134
351.644178	46.91416	14233.5295	11820.2683	2596.27957	886.84758	21157.9956	7385.80134
1.547128	0.84	34.378034	20.322068	3.077909	0.907537	127.798323	17.174098
57.551434	46.285631	2017.26167	1273.45402	133.951447	48.118526	6052.80477	809.106074
3.4	0.93	18.28	13.18	7.27	4.68	10.49	11.73
-351.64418	-46.91416	-14233.529	-11820.268	-2596.2796	-886.84758	-21157.996	-7385.8013
-3268.989	-838.97749	-67314.945	-51996.526	-14438.366	-6968.4466	-65192.949	-33517.782
0.03	0.06	0.7	0.32	0.13	0.04	1.79	0.42
1041.755	257.8031	13130.5844	9582.6695	3095.5736	1543.1836	9852.2802	7327.4486
0.03	0.02	0.48	0.07	0.05	0.07	0.3	0.18
31.5	21	504	73.5	52.5	73.5	315	189
2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503	33205.5332	19879.8122
2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503	33205.5332	19879.8122
2606.90218	772.925431	41136.8461	30135.3424	9356.5019	5172.5503	32890.5332	19690.8122
66.5	13.86	719.32	540.82	193.48	107.1	706.72	429.66
31.5	21	504	73.5	52.5	73.5	315	189
2638.40218	793.925431	41640.8461	30208.8424	9409.0019	5246.0503	33205.5332	19879.8122

10.824178	10.715865	10.967667	11.002657	10.895411	10.920751	11.378549	11.100177
0.401568	0.426972	0.481468	0.456561	0.417035	0.392632	0.319936	0.39727
0.385831	0.408239	0.464276	0.438741	0.401191	0.37635	0.236299	0.381843
949437.16	1084352.82	1254109.44	1070983.32	1031869.79	838448.81	627248.503	983075.45
4384.72428	4201.64192	4907.57975	4355.10987	4665.13691	4219.5088	3237.64591	4343.54532
47590.594	47956.678	59993.41	51539.9	51841.64	46421.166	30534.416	47098.68
0.035411	0.030616	0.033024	0.035676	0.034444	0.037053	0.034535	0.035005
513173.124	512197.869	650167.455	559610.525	559987.845	502568.57	340815.549	515943.013
496085.209	490330.279	921762.887	761466.398	630096.936	550438.29	524206.084	629897.378
2.156513	2.170352	2.388949	2.36458	2.268952	2.258075	2.305096	2.281885
612238.53	624650.418	687930.475	603141.684	650614.552	590134.02	305983.914	562609.211
1799.28392	3289.42781	14692.4957	10063.3224	3185.2916	987.03869	32880.9147	9180.12777
118480.593	112269.039	124567.808	112961.952	124245.256	118229.65	95520.001	118587.139
352.620812	350.840746	353.885818	353.0061	352.969477	351.87396	271.363639	352.937913
123345.6	117472	129219.2	117472	129219.2	123345.6	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.1	367.099999	367.099999
47590.594	47956.678	59993.41	51539.9	51841.64	46421.166	30534.416	47098.68

125.90259	122.130232	181.227812	182.287886	147.790005	136.98023	138.508931	155.39129
24.506912	24.383504	27.608933	27.377744	25.983067	25.910366	27.64892	26.684236
1194439.95	1199697.41	1735046.6	1471512.4	1382415.73	1232142.4	910731.507	1289695.96
1308549.96	1432590.02	2768334.68	2272652.64	1703731.3	1375452.7	1353108.54	1600047.6
114110.012	232892.611	1033288.08	801140.244	321315.569	143310.22	442377.037	310351.643
1308549.96	1432590.02	2768334.68	2272652.64	1703731.3	1375452.7	1353108.54	1600047.6
1298.96	1169.8	1761.13	1601.44	1525.44	1341.68	1144.72	1516.02
215972.701	85989.0836	450377.349	372002.941	317984.409	363338.86	259327.099	279944.118
258699.791	104007.018	685779.832	573973.089	429088.733	456402.44	453463.837	399119.484
14.363105	10.934366	12.973031	13.465664	15.001927	17.056073	9.030871	12.41568
7638.91138	2702.92432	10639.6074	9242.28405	10111.5331	12297.119	7090.53108	8192.23
24.997649	29.355503	32.348526	29.682697	26.810065	24.363738	20.845781	25.057892
24.848643	29.27394	32.282088	29.651718	26.667205	24.125852	20.694439	24.955879
47590.594	47956.678	59993.41	51539.9	51841.64	46421.166	30534.416	47098.68
141.638672	149.864618	170.435823	161.062187	147.277386	138.15823	86.7455	140.174642
-143858.91	-28622.661	745843.363	549202.95	48190.8245	-104680.74	311348.93	73899.2215
-143858.91	-28622.661	745843.363	549202.95	48190.8245	-104680.74	311348.93	73899.2215
39951.6826	45253.7537	49353.8026	42297.6159	41730.1069	34124.047	23443.8849	38906.45
949437.16	1084352.82	1254109.44	1070983.32	1031869.79	838448.81	627248.503	983075.45
136.16	86.8	148.3	135.04	154.15	155.36	84.95	109.27
-114110.01	-232892.61	-1033288.1	-801140.24	-321315.57	-143310.22	-442377.04	-310351.64
-372809.8	-336899.63	-1719067.9	-1375113.3	-750404.3	-599712.66	-895840.87	-709471.13
199.74	232.73	203.47	184.79	197.76	180.56	257.6	226.49
	0.00909					0.099173	
203874.15	220750.734	303983.854	258348.726	227702.822	190817.34	154188.315	239584.221
3.9	3.65	5.13	3.86	4.13	4.17	3.88	4.28
29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018	25067.019	27411.8893
1452408.87	1461212.68	2022491.31	1723449.69	1655540.48	1480133.4	1041759.61	1526148.38
1452408.87	1461212.68	2022491.31	1723449.69	1655540.48	1480133.4	1041759.61	1526148.38
1108323.74	1114980.7	1609693.36	1364608.08	1280711.49	1140572.3	830189.998	1192506.59
47590.594	47956.678	59993.41	51539.9	51841.64	46421.166	30534.416	47098.68
29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018	25067.019	27411.8893
1452408.87	1461212.68	2022491.31	1723449.69	1655540.48	1480133.4	1041759.61	1526148.38
56739.4647	55074.3945	93523.6099	77952.717	68783.9368	60815.118	55474.4897	69777.4772
					0.06	0.04	0.06

1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
237772.945	372231.475	317350.876	265310.442	233299.041	156954	293992.561	303087.104
1094.98	1441.7647	1232.86346	1074.9195	1051.95313	789.19189	1516.24218	1322.38226
-72650.027	-82350.25	-89944.837	-78604.138	-77628.724	-66646.083	-68100.395	-75700.229
72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
237772.945	372231.475	317350.876	265310.442	233299.041	156954	293992.561	303087.104
198.88	231.26	202.16	183.72	196.84	179.43	266.1	226.03
145.295831	178.431205	164.021526	160.869827	139.110865	117.00203	152.705134	166.025432
65.49127	75.313627	75.199773	78.078543	62.154265	50.278801	79.599146	75.237976
13560.4531	18274.1088	18828.8428	17168.8542	13410.9683	9589.2772	23262.1035	19052.3264

-72650.027	-82350.25	-89944.837	-78604.138	-77628.724	-66646.083	-68100.395	-75700.229
-216.22032	-257.34453	-255.5251	-245.63793	-220.53615	-198.35144	-193.46703	-225.2983
-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5	-1746966.9	-1955909.7
-24.148397	-26.80379	-35.407839	-33.046282	-27.360101	-24.793255	-25.658512	-25.896746
-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5	-1746966.9	-1955909.7
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
1991896.9	2579804.2	3497542.44	2863366.18	2357077.07	1809897.5	2040959.44	2258996.79
72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68

1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
237772.945	372231.475	317350.876	265310.442	233299.041	156954	293992.561	303087.104
1094.98	1441.7647	1232.86346	1074.9195	1051.95313	789.19189	1516.24218	1322.38226
-72650.027	-82350.25	-89944.837	-78604.138	-77628.724	-66646.083	-68100.395	-75700.229
72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
237772.945	372231.475	317350.876	265310.442	233299.041	156954	293992.561	303087.104
198.88	231.26	202.16	183.72	196.84	179.43	266.1	226.03
145.295831	178.431205	164.021526	160.869827	139.110865	117.00203	152.705134	166.025432
65.49127	75.313627	75.199773	78.078543	62.154265	50.278801	79.599146	75.237976
13560.4531	18274.1088	18828.8428	17168.8542	13410.9683	9589.2772	23262.1035	19052.3264
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-216.22032	-257.34453	-255.5251	-245.63793	-220.53615	-198.35144	-193.46703	-225.2983
-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5	-1746966.9	-1955909.7
-24.148397	-26.80379	-35.407839	-33.046282	-27.360101	-24.793255	-25.658512	-25.896746
-1754124	-2207572.7	-3180191.6	-2598055.7	-2123778	-1652943.5	-1746966.9	-1955909.7
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
1991896.9	2579804.2	3497542.44	2863366.18	2357077.07	1809897.5	2040959.44	2258996.79
72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68

172719.8	167845.712	201204.768	189152.973	207453.77	213977.33	206390.678	159406.63
801.839512	654.533061	789.670628	772.676352	945.357128	1081.8922	1070.01924	720.033124
6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471	7313.63139	5648.71119
154031.805	165797.139	251858.803	219847.001	198930.923	187366.5	186704.513	142444.509
6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471	7313.63139	5648.71119
19.116661	19.506056	20.255296	20.946245	20.884383	22.566877	20.777361	16.81164
-18687.994	-2048.5731	50654.0359	30694.0277	-8522.8479	-26610.834	-19686.165	-16962.12

-18687.994	-2048.5731	50654.0359	30694.0277	-8522.8479	-26610.834	-19686.165	-16962.12
6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471	7313.63139	5648.71119
172719.8	167845.712	201204.768	189152.973	207453.77	213977.33	206390.678	159406.63
18687.9945	2048.57311	-50654.036	-30694.028	8522.84792	26610.834	19686.165	16962.1205
18687.9945	2048.57311	-50654.036	-30694.028	8522.84792	26610.834	19686.165	16962.1205
72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
172719.8	167845.712	201204.768	189152.973	207453.77	213977.33	206390.678	159406.63
172719.8	167845.712	201204.768	189152.973	207453.77	213977.33	206390.678	159406.63
6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471	7313.63139	5648.71119
172719.8	167845.712	201204.768	189152.973	207453.77	213977.33	206390.678	159406.63
172719.8	167845.712	201204.768	189152.973	207453.77	213977.33	206390.678	159406.63
6423.1982	6241.93797	7129.86419	6702.79849	7351.30299	7582.471	7313.63139	5648.71119
154031.805	165797.139	251858.803	219847.001	198930.923	187366.5	186704.513	142444.509
-18687.994	-2048.5731	50654.0359	30694.0277	-8522.8479	-26610.834	-19686.165	-16962.12
172719.8	167845.712	201204.768	189152.973	207453.77	213977.33	206390.678	159406.63

179792.266	174696.592	207956.39	195538.258	214394.636	221321.94	213372.314	164513.592
834.678375	681.270249	816.173207	798.751103	976.993503	1119.0131	1106.20766	743.176671
7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986	8219.2725	6337.19537
173011.731	186185.534	282977.655	247060.058	223467.948	210621.72	209812.21	159733.574
25.143376	28.002084	14.097272	32.020462	33.558081	33.694449	17.130548	16.75043
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7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986	8219.2725	6337.19537
21.472553	21.907176	22.757519	23.538407	23.462082	25.373507	23.350205	18.8607
-6780.5344	11488.9421	75021.2656	51521.8004	9073.31137	-10700.226	-3560.1044	-4780.0182
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7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986	8219.2725	6337.19537
179792.266	174696.592	207956.39	195538.258	214394.636	221321.94	213372.314	164513.592
6780.5344	-11488.942	-75021.266	-51521.8	-9073.3114	10700.226	3560.10436	4780.01817
6780.5344	-11488.942	-75021.266	-51521.8	-9073.3114	10700.226	3560.10436	4780.01817
0.1	0.47	0.23	0.17	0.09	0.02	9.41	0.18
72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
179792.266	174696.592	207956.39	195538.258	214394.636	221321.94	213372.314	164513.592
179792.266	174696.592	207956.39	195538.258	214394.636	221321.94	213372.314	164513.592
7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986	8219.2725	6337.19537
179792.266	174696.592	207956.39	195538.258	214394.636	221321.94	213372.314	164513.592
179792.266	174696.592	207956.39	195538.258	214394.636	221321.94	213372.314	164513.592
7214.77791	7010.29662	8010.64675	7532.29037	8258.65317	8525.4986	8219.2725	6337.19537
173011.731	186185.534	282977.655	247060.058	223467.948	210621.72	209812.21	159733.574
-6780.5344	11488.9421	75021.2656	51521.8004	9073.31137	-10700.226	-3560.1044	-4780.0182
179792.266	174696.592	207956.39	195538.258	214394.636	221321.94	213372.314	164513.592

120738.851	144091.464	165543.817	134931.05	168448.613	163973.98	148251.839	160985.234
560.793113	562.196172	649.012574	550.981165	769.023507	831.19182	769.312346	728.377251
2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414	2893.84812	3142.40161
55689.8423	74599.3962	113841.446	84948.8297	87810.8954	79049.182	73795.1167	77409.8207
2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414	2893.84812	3142.40161

7.014284	8.789494	9.180069	8.230715	9.341151	9.526016	8.221159	9.352385
-65049.008	-69492.067	-51702.371	-49982.22	-80637.718	-84924.8	-74456.722	-83575.414
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2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414	2893.84812	3142.40161
120738.851	144091.464	165543.817	134931.05	168448.613	163973.98	148251.839	160985.234
65049.0084	69492.0674	51702.3715	49982.2204	80637.7179	84924.8	74456.7222	83575.4136
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67515.4133	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
120738.851	144091.464	165543.817	134931.05	168448.613	163973.98	148251.839	160985.234
120738.851	144091.464	165543.817	134931.05	168448.613	163973.98	148251.839	160985.234
2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414	2893.84812	3142.40161
120738.851	144091.464	165543.817	134931.05	168448.613	163973.98	148251.839	160985.234
120738.851	144091.464	165543.817	134931.05	168448.613	163973.98	148251.839	160985.234
2356.79974	2812.63837	3231.38429	2633.82881	3288.08537	3200.7414	2893.84812	3142.40161
55689.8423	74599.3962	113841.446	84948.8297	87810.8954	79049.182	73795.1167	77409.8207
-65049.008	-69492.067	-51702.371	-49982.22	-80637.718	-84924.8	-74456.722	-83575.414
120738.851	144091.464	165543.817	134931.05	168448.613	163973.98	148251.839	160985.234

198770.619	174385.198	219758.983	147060.411	232678.331	234910.76	192363.355	169384.05
923.914423	682.7274	865.802364	603.212183	1061.67704	1188.5944	998.46266	770.309734
3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475	2967.65436	2613.14486
74540.7114	71705.0551	121314.023	73413.6445	95168.0286	90006.093	75992.793	63398.6924
3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475	2967.65436	2613.14486
9.35451	8.617231	9.631522	7.089845	10.197747	10.785855	8.430836	7.777216
-124229.91	-102680.14	-98444.96	-73646.766	-137510.3	-144904.67	-116370.56	-105985.36
-124229.91	-102680.14	-98444.96	-73646.766	-137510.3	-144904.67	-116370.56	-105985.36
3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475	2967.65436	2613.14486
198770.619	174385.198	219758.983	147060.411	232678.331	234910.76	192363.355	169384.05
124229.907	102680.143	98444.9596	73646.7665	137510.303	144904.67	116370.562	105985.357
124229.907	102680.143	98444.9596	73646.7665	137510.303	144904.67	116370.562	105985.357
72507.8424	82350.2496	88622.5147	75788.5269	77628.7238	66646.083	67950.1335	75335.7486
198770.619	174385.198	219758.983	147060.411	232678.331	234910.76	192363.355	169384.05
198770.619	174385.198	219758.983	147060.411	232678.331	234910.76	192363.355	169384.05
3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475	2967.65436	2613.14486
198770.619	174385.198	219758.983	147060.411	232678.331	234910.76	192363.355	169384.05
198770.619	174385.198	219758.983	147060.411	232678.331	234910.76	192363.355	169384.05
3143.11541	2757.5142	3390.29594	2268.75055	3589.60709	3624.0475	2967.65436	2613.14486
74540.7114	71705.0551	121314.023	73413.6445	95168.0286	90006.093	75992.793	63398.6924
-124229.91	-102680.14	-98444.96	-73646.766	-137510.3	-144904.67	-116370.56	-105985.36
198770.619	174385.198	219758.983	147060.411	232678.331	234910.76	192363.355	169384.05

672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506
3121.22542	2580.72688	3120.65877	2725.62081	3753.05118	4220.6915	3944.00191	2961.89678
19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759	21394.4064	17741.453
457274.09	498287.124	769991.928	625269.534	605377.794	567043.49	546304.632	442986.596
25.143376	28.002084	14.097272	32.020462	33.558081	33.694449	17.130548	16.75043
0.754301	1.680125	0.281945	1.280818	1.342323	0.673888	10.62094	0.670017

19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759	21394.4064	17741.453
56.958009	58.819959	61.824406	59.805213	63.885365	68.252257	60.779563	52.801943
-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53	-214073.55	-211302.91
-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53	-214073.55	-211302.91
19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759	21394.4064	17741.453
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506
214747.444	162731.841	24472.0296	41413.1587	217597.557	267140.53	214073.554	211302.91
214747.444	162731.841	24472.0296	41413.1587	217597.557	267140.53	214073.554	211302.91
0.1	0.47	0.23	0.17	0.09	0.02	9.41	0.18
285323.31	329400.998	358457.025	311600.942	310514.895	266584.33	272251.318	302436.437
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506
19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759	21394.4064	17741.453
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506
19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759	21394.4064	17741.453
457274.09	498287.124	769991.928	625269.534	605377.794	567043.49	546304.632	442986.596
-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53	-214073.55	-211302.91
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506

10.824178	10.715865	10.967667	11.002657	10.895411	10.920751	11.378549	11.100177
0.401568	0.426972	0.481468	0.456561	0.417035	0.392632	0.319936	0.39727
0.385831	0.408239	0.464276	0.438741	0.401191	0.37635	0.236299	0.381843
1754123.95	2207572.72	3180191.57	2598055.74	2123778.03	1652943.5	1746966.88	1955909.68
1859231.64	2117603.25	2365924.28	2002976.45	2088144.18	1829586.8	1681619.25	1940452.06
8600.9297	8224.1335	9261.10198	8155.65017	9470.14123	9229.3922	8697.89	8627.82437
-5921.5417	-15571.184	-8189.2354	-7926.5702	-3299.4352	2707.8417	-16171.572	-10860.096
2637075.48	2511500.46	2817903.52	2561730.47	2817903.52	2689817	2817903.52	2689816.99
0.035411	0.030616	0.033024	0.035676	0.034444	0.037053	0.034535	0.035005
513173.124	512197.869	650167.455	559610.525	559987.845	502568.57	340815.549	515943.013
496085.209	490330.279	921762.887	761466.398	630096.936	550438.29	524206.084	629897.378
2.156513	2.170352	2.388949	2.36458	2.268952	2.258075	2.305096	2.281885
612238.53	624650.418	687930.475	603141.684	650614.552	590134.02	305983.914	562609.211
1799.28392	3289.42781	14692.4957	10063.3224	3185.2916	987.03869	32880.9147	9180.12777
118480.593	112269.039	124567.808	112961.952	124245.256	118229.65	95520.001	118587.139
352.620812	350.840746	353.885818	353.0061	352.969477	351.87396	271.363639	352.937913
123345.6	117472	129219.2	117472	129219.2	123345.6	129219.2	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.1	367.099999	367.099999
47590.594	47956.678	59993.41	51539.9	51841.64	46421.166	30534.416	47098.68
125.90259	122.130232	181.227812	182.287886	147.790005	136.98023	138.508931	155.39129
24.506912	24.383504	27.608933	27.377744	25.983067	25.910366	27.64892	26.684236
1194439.95	1199697.41	1735046.6	1471512.4	1382415.73	1232142.4	910731.507	1289695.96
1308549.96	1432590.02	2768334.68	2272652.64	1703731.3	1375452.7	1353108.54	1600047.6
72650.027	82350.2496	89944.8366	78604.1384	77628.7238	66646.083	68100.3948	75700.2294
114110.012	232892.611	1033288.08	801140.244	321315.569	143310.22	442377.037	310351.643

1765824.05	1930877.14	3538326.61	2897922.17	2309109.1	1942496.1	1899413.18	2043034.2
1298.96	1169.8	1761.13	1601.44	1525.44	1341.68	1144.72	1516.02
215972.701	85989.0836	450377.349	372002.941	317984.409	363338.86	259327.099	279944.118
17.783993	19.554556	25.381428	23.783638	19.909933	18.245972	18.795046	18.660549
237772.945	372231.475	317350.876	265310.442	233299.041	156954	293992.561	303087.104
198.88	231.26	202.16	183.72	196.84	179.43	266.1	226.03
145.295831	178.431205	164.021526	160.869827	139.110865	117.00203	152.705134	166.025432
5.457605	6.846693	6.266647	6.506545	5.179522	4.1899	6.633262	6.269831
13,560	18,274	18,829	17,169	13,411	9,589	23,262	19,052
258699.791	104007.018	685779.832	573973.089	429088.733	456402.44	453463.837	399119.484
8.378478	5.964199	7.567601	7.854971	8.751124	9.949376	5.268008	7.24248
7,639	2,703	10,640	9,242	10,112	12,297	7,091	8,192
24.991062	29.321873	32.330235	29.678701	26.869007	24.376632	20.675751	25.048934
24.842669	29.242222	32.263814	29.647955	26.727398	24.139327	20.539301	24.947503
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-65.392438	-59.636333	-58.682962	-59.199051	-65.845053	-70.745075	-65.61013	-63.205673
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59089.5739	64076.1408	71115.9938	61435.2842	64217.7555	57056.806	44838.2913	56647.903
1621458.69	1745371.78	2048573.4	1737666.01	1854845.14	1672632.8	1387626.69	1637364.96
4491836.87	4648912.41	4989279.03	4400059.12	4837963.53	4466590.8	4336566.91	4546677.94
4470910.02	4917136.87	4620850.07	4091396.47	4642173.84	4167142.4	4177095.63	4450645.56
	0.00909					0.099173	
561847.487	632501.982	752385.715	648553.806	615846.441	524047.76	494540.027	617720.887
3.9	3.65	5.13	3.86	4.13	4.17	3.88	4.28
29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018	25067.019	27411.8893
6515629.84	6841304.83	8815050.35	7549918.59	7420197.37	6657077.9	6367008.19	6826164.56
3878554.36	4329804.37	5997146.84	4988188.12	4602293.86	3967260.9	3549104.68	4136347.56
1108323.74	1114980.7	1609693.36	1364608.08	1280711.49	1140572.3	830189.998	1192506.59
66728.4853	66779.0651	81755.6012	70677.5682	74329.2886	69353.925	51928.8224	64840.133
29376.746	29642.3194	31829.6248	28951.5961	32920.3076	30755.018	25067.019	27411.8893
3878554.36	4329804.37	5997146.84	4988188.12	4602293.86	3967260.9	3549104.68	4136347.56
56739.4647	55074.3945	93523.6099	77952.717	68783.9368	60815.118	55474.4897	69777.4772
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506
19137.8913	18822.3871	21762.1912	19137.6682	22487.6486	22932.759	21394.4064	17741.453
457274.09	498287.124	769991.928	625269.534	605377.794	567043.49	546304.632	442986.596
-214747.44	-162731.84	-24472.03	-41413.159	-217597.56	-267140.53	-214073.55	-211302.91
672021.534	661018.965	794463.957	666682.692	822975.352	834184.02	760378.186	654289.506

2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02
2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08
-2689817	-2945990	-2433643.9	-2945990	-2689817	-2561730.5	-2874261.6	-2612965.1
-2689817	-2945990	-2433643.9	-2945990	-2689817	-2561730.5	-2874261.6	-2612965.1
2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08
2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08
2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08
32.019999	29.119999	24.57	24.72	24.619999	25.12	38.640912	36.016272
0	0	0	0	0	0	0	0
31.889999	28.989999	24.44	24.59	24.489999	24.99	38.514856	35.890216
31.989999	29.089999	24.54	24.69	24.589999	25.09	38.611822	35.987182
31.24	28.34	23.789999	23.939999	23.84	24.339999	37.884574	35.259934
31.53	28.63	24.079999	24.229999	24.13	24.629999	38.165777	35.541137
31.969999	29.069999	24.52	24.67	24.569999	25.07	38.592429	35.967789
32.009999	29.109999	24.56	24.71	24.609999	25.11	38.631215	36.006575
18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.695603	18.695603
0.97	0.97	0.969999	0.969999	0.97	0.97	0.989999	0.99
31.7	28.8	24.25	24.4	24.3	24.8	38.33062	35.70598
3.088808	3.08241	3.102749	3.177732	3.71797	4.198424	4.493807	4.548994
23.061485	21.127619	18.095981	18.202229	18.180582	18.553953	27.629301	25.88414
23.061485	21.127619	18.095981	18.202229	18.180582	18.553953	27.629301	25.88414

		0.27788				0.13894	0.27788
		0.00148				0.000075	0.000818
		0.001286				0.000075	0.00075
		8.8				0.6	5.4
0.027886	0.030135	0.035559	0.025923	0.032529	0.03475	0.025909	0.029343
		122.2672				8.3364	75.0276
		2241.03833				155.854029	1402.68626
		0.388888				0.198334	0.396668
		136.376834				9.485155	85.366403
7349.175	8030.475	6596.775	8065.35	7314.075	6949.8	7714.8	6988.725
21.872544	21.821942	21.699917	21.916711	21.76808	21.718125	21.917045	21.839765
7560	8280	6840	8280	7560	7200	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
		8.8				0.6	5.4
		5.517764				2.907514	5.625645
		5.517764				2.907514	5.625645
		2403.18617				174.450885	1519.20377
		2844.36823				178.520425	1611.01729
		441.182058				4.06954	91.813522
		2844.36823				178.520425	1611.01729
		3.41				0.03	1.84
		2403.18617				174.450885	1519.20377
		2844.36823				178.520425	1611.01729
		0.4				0.2	0.4
		8.8				0.6	5.4
		8.8				0.6	5.4
		0.028947				0.001704	0.016875
		441.182058				4.06954	91.813522
		441.182058				4.06954	91.813522
		0.15				0.03	0.16
		-441.18206				-4.06954	-91.813522
		-3285.5503				-182.58997	-1702.8308
		104.0159				7.8999	69.5834
		0.02				0.01	0.03
		16.619				8.4757	25.4271
		2403.18617				174.450885	1519.20377
		2403.18617				174.450885	1519.20377
		2377.41517				165.339185	1488.05267

		8.8				0.6	5.4
		16.619				8.4757	25.4271
		2403.18617				174.450885	1519.20377
		9.151999				0.636	5.724
7.72358	6.593299	3.01408	5.93397	5.55721	3.95598	5.180449	5.27464
0.295746	0.243978	0.194284	0.127143	0.053451	0.043027	0.250828	0.213455
0.286994	0.233695	0.188322	0.123478	0.051577	0.041968	0.244176	0.205687
115102.712	75225.5274	19735.2021	6534.94142	4822.7818	12203.6651	71483.9437	41769.9426
407.070469	279.969228	87.1716	31.32556	21.076288	44.358694	269.952884	163.123087
5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56
0.030952	0.030407	0.032302	0.030027	0.033065	0.0215	0.027613	0.032875
52679.9019	46981.972	31275.7895	24823.9629	9467.41366	7336.83586	46954.6569	35957.5976
162890.168	146673.49	97117.7659	74856.7877	31470.0595	29714.1412	204066.411	158545.832
2.520207	2.158038	1.011549	1.943851	2.009441	1.662167	2.195418	2.242663
29740.6647	19245.1531	5085.21286	1745.54861	1147.97979	2507.83475	13568.9326	8233.46569
18884.8	20694.98	17062.44	20703.1	18843.62	18160.96	19852.24	17949.84
56.204761	56.236358	56.126447	56.258423	56.082202	56.753	56.398409	56.09325
19488	21344	17632	21344	19488	18560	20416	18560
58	58	58	58	58	58	58	58
5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56
29.822294	25.49117	11.881793	23.100828	23.616494	19.048691	24.821784	25.324394
29.822294	25.49117	11.881793	23.100828	23.550654	19.048691	24.821784	25.324394
203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477
307615.443	271595.622	266809.788	113187.9	44711.8203	43047.3932	435708.372	340830.404
103626.802	88311.6338	145362.215	18831.3931	5702.85697	7483.08995	194380.647	153740.926
307615.443	271595.622	266809.788	113187.9	44711.8203	43047.3932	435708.372	340830.404
227.72	216.86	103.98	168.42	123.5	101.3	246.19	209.45
88885.9287	108058.461	101712.37	87821.5653	34182.3628	23360.6381	169843.781	145319.535
131927.68	159967.845	219374.063	105670.366	39269.4331	28236.3915	307427.283	263088.177
26.678353	27.343932	16.513746	34.418303	32.289163	19.726931	26.367886	26.920505
2435.42172	2944.77322	2780.61117	2450.19793	883.260841	512.687239	3544.50837	2943.42626
37.086026	36.970459	37.403622	36.750435	40.725595	45.787552	46.4408	47.02167
30.350522	25.481083	11.589377	17.590485	16.271943	16.828345	25.067599	24.912251
5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56
16.645654	13.554347	10.922697	7.161739	2.991488	2.434187	14.162215	11.929875
103626.802	88311.6338	145362.215	18831.3931	5702.85697	7483.08995	194380.647	153740.926
103626.802	88311.6338	145362.215	18831.3931	5702.85697	7483.08995	194380.647	153740.926
3157.51828	2043.22678	539.888826	185.322073	121.879158	266.25276	1440.59163	874.133739
115102.712	75225.5274	19735.2021	6534.94142	4822.7818	12203.6651	71483.9437	41769.9426
24.42	25.06	10.58	26.4	12.32	8.18	22.81	18.48
-103626.8	-88311.634	-145362.22	-18831.393	-5702.857	-7483.0899	-194380.65	-153740.93
-235554.48	-248279.48	-364736.28	-124501.76	-44972.29	-35719.481	-501807.93	-416829.1
9.28	6.39	0.79	1.27	0.86	1.46	4.31	2.01
26670.3398	22243.8779	12265.2115	9319.8937	3862.6861	3630.5462	22466.8919	16539.6867
1	0.78	0.41	0.82	0.58	0.47	0.57	0.46
381.87	297.8586	156.5667	313.1334	221.4846	179.4789	222.0207	179.1746

203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477
203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477
162890.168	146673.49	97117.7659	74856.7877	31470.0595	29714.1412	204066.411	158545.832
5592.94	4988	3320.5	2635.52	1005.14	778.94	4985.1	3817.56
381.87	297.8586	156.5667	313.1334	221.4846	179.4789	222.0207	179.1746
203988.641	183283.988	121447.573	94356.5067	39008.9633	35564.3033	241327.725	187089.477
40716.6032	36312.64	24173.24	19186.5856	7317.4192	5670.6832	37039.293	28364.4708
10.882193	10.971706	11.261992	10.970244	10.969944	10.982611	10.995909	11.024267
0.712042	0.663176	0.552731	0.64446	0.634895	0.637504	0.683436	0.663155
0.688134	0.637023	0.53174	0.622451	0.611798	0.616732	0.660406	0.63956
682561.409	680737.449	419156.347	484186.984	492461.354	576153.715	668576.909	573542.49
2582.1472	2733.98421	2005.78702	2369.97762	2217.12092	2181.01463	2557.4618	2283.452
25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174
0.033928	0.038967	0.036546	0.033913	0.037172	0.0325	0.033522	0.037031
277428.894	282983.092	198832.6	277381.691	249149.178	239186.998	279864.078	247052.653
267964.903	274146.735	192849.135	268530.63	240853.578	230574.272	276576.762	245104.384
2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.476	2.476
396640.09	404580.927	284270.969	396572.604	356208.58	341965.651	415878.021	367120.243
36030.6	39256.26	32510.79	39462.72	35909.61	34365.6	37762.2	34204.65
107.233928	106.674619	106.943388	107.235652	106.873839	107.3925	107.278977	106.889531
37296	40848	33744	40848	37296	35520	39072	35520
111	111	111	111	111	111	111	111
25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174
27.734136	28.061937	28.755924	27.978171	27.993133	28.025594	28.901224	29.047165
27.518003	27.730472	28.422871	27.728333	27.727464	27.761769	28.656272	28.723483
705468.046	722887.364	507393.757	706441.852	634749.223	608288.582	734910.324	650642.296
956500.22	905071.753	647418.904	725188.035	636660.497	632362.208	1256749.61	1053249.27
251032.175	182184.389	140025.147	18746.1837	1911.27408	24073.6266	521839.288	402606.977
956500.22	905071.753	647418.904	725188.035	636660.497	632362.208	1256749.61	1053249.27
324.6	353.66	292.89	355.52	323.51	309.6	340.2	308.15
17974.0966	34419.8156	83084.0096	216512.508	136545.508	27055.0866	60776.7552	71167.6955
25615.443	51788.2233	187991.005	275980.996	168647.019	34299.1742	132501.572	153854.008
14.547755	17.527299	19.668857	48.757525	40.823105	19.486522	19.463376	19.885364
676.023323	1290.40879	3105.04454	8106.08678	5122.53743	1018.5651	2212.0526	2579.72556
23.027623	21.753279	13.89713	21.631439	22.263723	23.135632	22.474651	21.225618
23.005471	21.727658	13.824666	21.367134	22.090993	23.114959	22.4593	21.204014
25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174
76.382892	70.70963	59.023151	69.092114	67.90966	68.457318	73.305153	70.991168
106020.092	34269.1266	36095.347	-126241.23	-128319	-100949.42	375554.334	273472.555
106020.092	34269.1266	36095.347	-126241.23	-128319	-100949.42	375554.334	273472.555
24988.6287	24730.7352	14837.9935	17319.8112	17695.1086	20887.7769	23591.3614	20137.4484
682561.409	680737.449	419156.347	484186.984	492461.354	576153.715	668576.909	573542.49
22.01	33.25	23.88	111.16	104.56	44.09	44.87	50.49
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201.54	227.81	207.24	191.92	193.18	244.03	203.82	185.9
83094.9246	85038.9346	59567.4344	70611.386	69478.2996	79381.208	86281.1341	75051.2465
0.67	1.05	0.7	0.78	0.78	0.69	0.74	0.79
4932.54	7730.1	5153.4	5742.36	5742.36	5079.78	5556.66	5932.11
850480.129	870802.627	611323.557	851429.262	764979.498	733311.625	881195.278	779776.717
850480.129	870802.627	611323.557	851429.262	764979.498	733311.625	881195.278	779776.717
664604.993	678727.663	477120.104	665103.234	597062.158	572539.923	692454.782	612224.627
25664.652	26021.144	17943.038	25425.898	22817.646	21906.342	25803.414	22717.174
4932.54	7730.1	5153.4	5742.36	5742.36	5079.78	5556.66	5932.11
850480.129	870802.627	611323.557	851429.262	764979.498	733311.625	881195.278	779776.717
35930.5128	36429.6016	25120.2532	35596.2572	31944.7044	30668.8788	36898.882	32485.5588
		0.05					
		0.3				0.15	0.3
		0.00111				0.000028	0.0005
		0.000986				0.000028	0.000468
		0.9				0.03	0.45
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		13.5				0.45	6.75
		247.441811				8.413021	126.195323
		0.388888				0.198334	0.396668
		15.0579				0.51201	7.68015
974.94	1074.27	887.88	1075.26	976.62	936.45	1033.74	930.54
2.901607	2.919211	2.920657	2.921902	2.906607	2.926406	2.936761	2.907937
1008	1104	912	1104	1008	960	1056	960
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		0.9				0.03	0.45
		5.833326				2.97501	5.950021
		5.833326				2.97501	5.950021
		262.499711				8.925031	133.875473
		314.747916				9.230125	141.746478
		52.248204				0.305094	7.871004
		314.747916				9.230125	141.746478
		0.3				0.01	0.15
		262.499711				8.925031	133.875473
		314.747916				9.230125	141.746478
		0.06				0.03	0.06
		0.9				0.03	0.45
		0.9				0.03	0.45
		0.00296				0.000085	0.001406
		52.248204				0.305094	7.871004
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		-366.99612				-9.53522	-149.61748
		72.379				2.681	39.2826
		0.1				0.01	0.07
		262.499711				8.925031	133.875473
		262.499711				8.925031	133.875473
		262.499711				8.925031	133.875473
		0.9				0.03	0.45
		262.499711				8.925031	133.875473
11.308706	11.440871	12.07294	11.369208	11.33534	11.346076	11.640601	11.691172
0.805895	0.756657	0.573908	0.762375	0.779122	0.758091	0.713104	0.689268
0.77289	0.720775	0.51649	0.729903	0.744348	0.650897	0.677409	0.654752
235700.356	242525.064	149086.29	245383.208	228039.085	189840.797	255496.569	225623.57
897.824113	981.129258	722.21268	1207.92601	1032.15633	718.383467	979.196423	901.822868
11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4
0.041428	0.048994	0.04921	0.043804	0.045744	0.044437	0.048494	0.052593
125568.96	129126.087	79334.8408	130741.731	121420.038	101234.961	117084.732	103235.253
121404.302	125061.75	77149.9775	126448.591	117558.998	97736.3658	115821.348	102498.844
1.799299	1.7993	1.799299	1.7993	1.799299	1.7993	2.1015	2.1015
104134.339	107084.264	65792.3835	108424.117	100693.637	83954.153	130139.68	114745.984
13849.44	15048.71	11756.2	15130.84	13787.09	11815.54	14401.99	13036.31
41.218571	40.893233	38.67171	41.116413	41.033005	36.923562	40.914744	40.738468
14448	15824	13072	15824	14448	13760	15136	13760
43	43	43	43	43	43	43	43
11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4
21.635293	21.932341	23.151739	21.746339	21.648464	21.694185	25.852059	26.045321
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239523.826	246676.26	151999.41	249315.92	231389.173	192790.331	259545.077	229783.506
384598.626	369328.737	237358.249	307738.327	280355.54	240350.801	482227.216	400609.232
145074.8	122652.476	85358.8393	58422.4069	48966.3673	47560.4698	222682.139	170825.727
384598.626	369328.737	237358.249	307738.327	280355.54	240350.801	482227.216	400609.232
322.08	349.68	273.4	351.88	320.17	274.78	334.93	303.17
23.049488	22.187343	12.446245	24.646825	24.122195	22.973837	26.320381	24.001105
4.609897	4.881215	2.115861	6.408174	9.648878	5.054244	17.634655	17.760818
11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4
33.234285	30.993342	22.209111	31.385869	32.006964	27.988593	29.128607	28.154375
79439.9047	55158.2707	43890.518	-9916.2958	-14499.886	-5355.0442	161481.949	116864.66
79439.9047	55158.2707	43890.518	-9916.2958	-14499.886	-5355.0442	161481.949	116864.66

11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4
235700.356	242525.064	149086.29	245383.208	228039.085	189840.797	255496.569	225623.57
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2.26	2.65	1.57	2.85	3.8	2.43	13.21	14.96
		0.052631			0.099999		
81691.8562	83143.1897	53786.9707	69110.9494	68426.6541	68706.5489	84229.8728	72783.6301
1.05	1.14	0.8	1.08	0.92	0.81	1.09	1.12
3823.47	4151.196	2913.12	3932.712	3350.088	2949.534	4048.50852	4159.93536
305158.721	314170.466	193467.731	317654.623	294855.426	245705.845	320745.267	283744.573
305158.721	314170.466	193467.731	317654.623	294855.426	245705.845	320745.267	283744.573
225538.641	232146.014	142942.361	234872.708	218252.635	181690.519	245961.028	217244.828
11166.72	11405.55	6751.57	11550	10754.34	8956.35	10253.27	9009.4
3823.47	4151.196	2913.12	3932.712	3350.088	2949.534	4048.50852	4159.93536
305158.721	314170.466	193467.731	317654.623	294855.426	245705.845	320745.267	283744.573
10161.7152	10379.0505	6143.9287	10510.5	9786.4494	8150.2785	9535.5411	8378.742
		0.3				0.15	0.3
		0.001217				0.000028	0.000575
		0.001217				0.000028	0.000468
		1.11				0.03	0.45
0.03991	0.024157	0.019144	0.032663	0.028303	0.019812	0.031704	0.033843
		16.65				0.45	6.75
		305.178234				8.413021	126.195323
		0.388888				0.198334	0.396668
		18.57141				0.51201	7.68015
967.77	1077.33	894.54	1067.94	979.47	940.98	1022.52	927.51
2.880267	2.927527	2.942565	2.90201	2.915089	2.940562	2.904886	2.898468
1008	1104	912	1104	1008	960	1056	960
3	3	3	3	3	3	3	3
		1.11				0.03	0.45
		5.833326				2.97501	5.950021
		5.833326				2.97501	5.950021
		323.749644				8.925031	133.875473
		387.611822				9.230125	141.746478
		63.862177				0.305094	7.871004
		387.611822				9.230125	141.746478
		0.37				0.01	0.15
		323.749644				8.925031	133.875473
		387.611822				9.230125	141.746478
		0.06				0.03	0.06
		1.11				0.03	0.45

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		0.003651				0.000085	0.001406
		63.862177				0.305094	7.871004
		63.862177				0.305094	7.871004
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		90.7434				2.681	39.2826
		0.12				0.01	0.07
		323.749644				8.925031	133.875473
		323.749644				8.925031	133.875473
		323.749644				8.925031	133.875473
		1.11				0.03	0.45
		323.749644				8.925031	133.875473
10.650901	7.950696	4.151119	4.507861	4.066532	2.109244	7.248363	6.842363
0.175186	0.142225	0.148756	0.043251	0.0104	0.010396	0.162483	0.13849
0.169613	0.138347	0.146815	0.042228	0.01013	0.009543	0.159687	0.13285
24184.0872	17146.1838	4418.42481	764.158575	255.108176	823.639538	14360.8878	8795.57762
84.281906	63.489707	18.724854	3.668505	1.095396	2.938384	53.937891	34.11093
2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6
0.030565	0.033464	0.037549	0.026562	0.030595	0.035765	0.034687	0.031546
40905.5	36538.4	32320	11010.6	2393	2162.7	40566.5	30711.2
126315.706	113421.008	99697.3952	31537.0378	7565.08336	8716.52173	172173.188	130459.526
2.301125	1.726868	0.905351	0.928827	0.921523	0.58482	1.926593	1.829743
7791.52348	5515.50248	1431.18301	270.778445	79.643485	217.776835	3196.4211	2157.28209
16327.6	17836.3	14590.4	17907.5	16245.8	15420.7	16991	15479.8
48.594047	48.468206	47.994736	48.661684	48.350595	48.189687	48.269886	48.374375
16800	18400	15200	18400	16800	16000	17600	16000
50	50	50	50	50	50	50	50
2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6
57.723464	43.672556	23.621368	18.8341	14.682925	10.620646	48.254351	47.574428
32.990169	24.589013	13.025523	13.224156	13.088416	8.462102	27.787094	26.188897
127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542
182038.904	161929.86	203718.952	36979.0184	8478.374	10137.9091	291796.301	224030.988
54935.7452	48115.1379	103550.573	5289.30157	868.094637	1350.90739	118735.624	93135.4467
182038.904	161929.86	203718.952	36979.0184	8478.374	10137.9091	291796.301	224030.988
336.43	294.47	159.74	121.4	71.81	45.93	294.09	267.18
102919.071	96668.5387	95749.9544	30925.5583	7355.17119	7963.36219	158699.789	122099.964
147128.512	137321.562	193262.922	36124.3323	8199.33225	9141.60717	267402.453	208134.379
15.492105	12.055849	6.582848	6.906547	5.72304	2.974128	11.249774	10.865384
2298.27336	2156.12938	2131.23122	757.658682	164.511179	137.247084	2585.24884	1972.77076
49.139285	49.019676	53.074336	40.229739	46.59481	57.035325	61.64236	61.939716
35.81886	25.000034	12.207097	3.594518	2.795688	5.133179	25.263953	21.6789

2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6
8.480654	6.917391	7.340789	2.111413	0.506547	0.477187	7.984375	6.6425
54935.7452	48115.1379	103550.573	5289.30157	868.094637	1350.90739	118735.624	93135.4467
54935.7452	48115.1379	103550.573	5289.30157	868.094637	1350.90739	118735.624	93135.4467
551.22664	389.470624	100.368775	19.341317	5.68882	15.452915	225.251157	152.82924
24184.0872	17146.1838	4418.42481	764.158575	255.108176	823.639538	14360.8878	8795.57762
41.92	37.37	38.43	10.47	2.78	2.07	45.99	36.28
-54935.745	-48115.138	-103550.57	-5289.3016	-868.09464	-1350.9074	-118735.62	-93135.447
-202064.26	-185436.7	-296813.49	-41413.634	-9067.4269	-10492.515	-386138.08	-301269.83
3.77	2.83	0.9	0.13	0.1	0.07	1.63	0.67
26925.3012	22363.2394	17760.4931	4679.819	999.5897	1210.5299	26318.4195	19351.7096
0.78	0.15	0.16	0.21	0.1	0.13	0.77	0.16
436.453	81.715	97.416	106.711	41.66	61.848	456.599	99.36
127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542
127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542
126315.706	113421.008	99697.3952	31537.0378	7565.08336	8716.52173	172173.188	130459.526
2849.5	2545.6	2231.6	777	170.2	152.7	2810.5	2125.6
436.453	81.715	97.416	106.711	41.66	61.848	456.599	99.36
127103.159	113814.723	100168.379	31689.7168	7610.27936	8787.00173	173060.677	130895.542
351	312	373.568	45.968	3.536	8.632	430.889999	336.655999
		0.3				0.15	0.3
		0.001314				0.000028	0.000391
		0.001217				0.000028	0.000375
		1.48				0.04	0.48
0.034017	0.033614	0.022269	0.023804	0.029523	0.032781	0.030085	0.030625
		22.2				0.6	7.2
		406.904312				11.217362	134.608345
		0.388888				0.198334	0.396668
		24.76188				0.68268	8.19216
1298.28	1422.52	1188.92	1436.96	1304.32	1238.04	1365.64	1240.8
3.863928	3.865543	3.910921	3.904782	3.881904	3.868875	3.879659	3.8775
1344	1472	1216	1472	1344	1280	1408	1280
4	4	4	4	4	4	4	4
		1.48				0.04	0.48
		5.833326				2.97501	5.950021
		5.833326				2.97501	5.950021
		431.666192				11.900042	142.800505
		516.815763				12.306834	149.295765
		85.14957				0.406792	6.495259
		516.815763				12.306834	149.295765
		0.37				0.01	0.12
		431.666192				11.900042	142.800505
		516.815763				12.306834	149.295765

		0.08				0.04	0.08
		1.48				0.04	0.48
		1.48				0.04	0.48
		0.004868				0.000113	0.0015
		85.14957				0.406792	6.495259
		85.14957				0.406792	6.495259
		0.36					0.11
		-85.14957				-0.406792	-6.495259
		-601.96533				-12.713626	-155.79103
		90.7434				2.681	31.2595
		0.12				0.01	0.06
		431.666192				11.900042	142.800505
		431.666192				11.900042	142.800505
		431.666192				11.900042	142.800505
		1.48				0.04	0.48
		431.666192				11.900042	142.800505
10.247718	10.349164	10.812446	10.282829	10.282146	10.297647	10.418978	10.448417
0.6477	0.593745	0.419446	0.583509	0.589838	0.588595	0.6001	0.585073
0.612289	0.560286	0.393568	0.546766	0.556514	0.560139	0.568485	0.553196
278245.339	280432.633	166549.303	273513.434	253996.507	243505.9	277863.065	246438.65
1050.7006	1125.33786	800.696234	1344.39804	1147.78312	922.690449	1065.25716	984.432143
12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542
0.056339	0.06019	0.060427	0.065054	0.05997	0.049937	0.052897	0.054625
122448.527	123244.999	73144.015	120352.478	111897.452	107316.369	119454.775	105862.854
118230.88	119401.133	71221.175	116393.819	107805.597	103294.578	118219.224	104968.244
2.2315	2.2315	2.231499	2.2315	2.2315	2.2315	2.2803	2.2803
154468.816	155473.566	92271.1749	151824.652	141158.635	135379.6	154132.496	136594.841
18580.302	20266.81	16737.918	20161.916	18508.81	17815.572	19536.068	17727.672
55.298517	55.072853	55.05894	54.787815	55.085744	55.673662	55.500193	55.398975
19689.6	21564.8	17814.4	21564.8	19689.6	18752	20627.2	18752
58.6	58.599999	58.6	58.599999	58.6	58.6	58.6	58.6
12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542
25.599121	26.045699	28.867162	25.899744	26.154571	25.628051	26.90392	27.013779
23.331938	23.554866	24.582915	23.409079	23.408247	23.445213	24.227337	24.290729
299554.113	302732.513	185713.69	296768.089	277460.878	262667.279	300777.433	264635.354
455515.793	437717.617	298303.791	348856.738	312056.718	309744.942	586622.064	514193.627
155961.68	134985.104	112590.101	52088.6488	34595.8398	47077.6637	285844.631	249558.273
455515.793	437717.617	298303.791	348856.738	312056.718	309744.942	586622.064	514193.627
317.07	345.85	285.63	344.06	315.85	304.02	333.38	302.52
		168.192655	128.853391	8.200165			
		469.123844	192.088352	11.568019			

		1.456392	1.817438	0.251457			
		7.217732	5.698214	0.355702			
24.052921	23.060096	15.52811	22.841306	23.627515	23.059152	24.729361	24.079834
16.837045	16.83387	11.024958	19.412215	17.011811	15.680223	7.171514	6.260756
12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542
35.88019	32.832788	23.063111	32.040505	32.611767	32.8242	33.313255	32.417318
91957.8349	70564.943	74357.7248	-10819.592	-23892.958	-9016.6024	223405.62	194223.759
91957.8349	70564.943	74357.7248	-10819.592	-23892.958	-9016.6024	223405.62	194223.759
12055.744	12082.466	7003.96827	11785.2078	10957.1983	10503.744	11726.266	10373.542
278245.339	280432.633	166549.303	273513.434	253996.507	243505.9	277863.065	246438.65
-155961.68	-134985.1	-112590.1	-52088.649	-34595.84	-47077.664	-285844.63	-249558.27
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11.54	15.39	12.48	15.6	16.35	15.38	2.08	0.82
75398.7784	77506.1602	54053.0245	63193.0032	62523.5186	72151.7947	78423.5997	68547.7557
1.29	1.35	1.15	1.4	1.42	1.16	1.36	1.08
21308.7747	22299.8805	18996.1945	23125.802	23456.1706	19161.3788	22914.368	18196.704
363557.958	367152.674	223946.067	359676.33	335949.676	318761.545	363216.444	319969.868
363557.958	367152.674	223946.067	359676.33	335949.676	318761.545	363216.444	319969.868
272699.697	274874.699	163492.35	268218.471	248964.232	238674.177	272351.72	241563.086
12055.744	12082.466	7011.186	11790.906	10957.554	10503.744	11726.266	10373.542
21308.7747	22299.8805	18996.1945	23125.802	23456.1706	19161.3788	22914.368	18196.704
363557.958	367152.674	223946.067	359676.33	335949.676	318761.545	363216.444	319969.868
5545.64224	5557.93436	3225.14556	5423.81676	5040.47484	4831.72224	5511.34502	4875.56474
9.3	6.9	3.9	3.15	2.25	1.2	6.15	5.7
0.15781	0.130514	0.143578	0.033766	0.00553	0.00833	0.153471	0.131
0.155267	0.122961	0.136546	0.033505	0.005446	0.008125	0.150369	0.125
3598.37662	2628.84296	786.549613	140.930648	32.54583	93.65418	2604.33145	1285.97176
12.534624	9.766769	3.324766	0.689151	0.140359	0.349421	9.792421	4.937599
730.38	633.5	581.14	172.62	25.62	36.4	741.02	560
0.025446	0.041277	0.034703	0.039836	0.029404	0.018968	0.027812	0.039125
10955.7	9502.5	8717.1	2589.3	384.3	546	11115.3	8400
33830.1287	29509.4922	26816.8353	7470.84925	1213.57779	2230.97889	47069.2514	35848.7971
1.898201	1.424134	0.816346	0.609069	0.478055	0.322408	1.568721	1.497712
1165.23659	845.7694	258.40678	46.8182	9.482498	25.937207	565.442013	304.781438
4584.3	4939.34	4108.3	4946.76	4565.68	4395.02	4790.94	4304.72
13.64375	13.422119	13.514144	13.442282	13.588333	13.734437	13.610625	13.45225
4704	5152	4256	5152	4704	4480	4928	4480
14	14	14	14	14	14	14	14
730.38	633.5	581.14	172.62	25.62	36.4	741.02	560
29.083976	21.47814	12.331371	9.251292	7.214952	5.051646	24.565568	22.535946
29.083976	21.47814	12.331371	9.251292	7.214952	5.051646	24.565568	22.535946
34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971
48517.5073	41469.8814	54329.4349	8684.76391	1366.96509	2576.69088	79144.5135	60987.7239

14435.3786	11813.3893	27397.0996	1150.91465	142.887305	314.21199	31665.7621	25075.9268
48517.5073	41469.8814	54329.4349	8684.76391	1366.96509	2576.69088	79144.5135	60987.7239
186.99	163.41	82.46	65.41	40.88	30.58	150.51	132.27
30483.7521	27027.6492	26145.7856	7392.91861	1191.53196	2168.82471	44874.4199	34625.8253
43329.822	37823.5737	52435.8282	8537.02728	1330.47802	2465.25633	74813.2528	58867.1787
8.465299	6.306968	3.629	2.937646	2.093986	1.111088	5.701132	5.259979
652.69756	577.115373	563.912881	169.498786	24.987833	34.670852	703.323865	539.681237
48.423326	48.817995	49.01016	48.393209	57.097454	62.038814	69.687437	66.791485
24.695896	17.330352	6.37132	0.934632	1.141949	2.481552	16.617287	14.026211
730.38	633.5	581.14	172.62	25.62	36.4	741.02	560
2.17375	1.721467	1.911644	0.469076	0.07625	0.11375	2.10517	1.75
14435.3786	11813.3893	27397.0996	1150.91465	142.887305	314.21199	31665.7621	25075.9268
14435.3786	11813.3893	27397.0996	1150.91465	142.887305	314.21199	31665.7621	25075.9268
77.682439	56.384626	17.227118	3.121213	0.632166	1.729147	37.696134	20.318762
3598.37662	2628.84296	786.549613	140.930648	32.54583	93.65418	2604.33145	1285.97176
17.28	15.92	7.39	7.69	1.43	1.75	12.22	9.61
-14435.379	-11813.389	-27397.1	-1150.9147	-142.88731	-314.21199	-31665.762	-25075.927
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1.69	1.22	0.12	0.21	0.04	0.04	0.71	0.37
14550.4544	11749.3799	8892.0103	2543.6849	404.3172	705.6171	13833.0359	10050.8273
0.24	0.14	0.11	0.06	0.01	0.03	0.39	0.06
252	147	115.5	63	10.5	31.5	409.5	63
34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971
34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971
33830.1287	29509.4922	26816.8353	7470.84925	1213.57779	2230.97889	47069.2514	35848.7971
730.38	633.5	581.14	172.62	25.62	36.4	741.02	560
252	147	115.5	63	10.5	31.5	409.5	63
34082.1287	29656.4922	26932.3353	7533.84925	1224.07779	2262.47889	47478.7514	35911.7971

10.912442	11.000758	11.428383	10.898163	10.880974	10.88731	11.084731	11.105839
0.488559	0.445095	0.356066	0.402752	0.385875	0.378033	0.452709	0.431323
0.470709	0.426938	0.339174	0.387525	0.37075	0.360379	0.43585	0.413801
1339392.28	1298695.7	759732.116	1010523.66	979607.382	1022621.37	1290385.71	1097456.2
5034.55891	5193.67703	3637.91716	4957.98489	4419.37241	3869.73504	4935.59858	4371.87863
58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056
0.034894	0.036509	0.03561	0.034016	0.035275	0.031886	0.033499	0.036713
629987.483	628377.05	423798.963	566899.763	494711.381	457783.863	615049.878	531315.286
830636.087	808213.607	568052.847	625237.715	506466.894	472266.858	934110.083	779215.313
2.329641	2.308077	2.303107	2.253133	2.231126	2.249834	2.532621	2.512813
655243.245	667138.757	442529.295	656821.373	598060.852	561299.403	700161.388	618569.987
38697.4248	25606.425	6774.80265	2063.14526	1237.10578	2751.54879	17330.7957	10695.5292
118847.207	129646.995	106334.163	129958.346	118435.095	112038.662	124471.138	112790.567
353.711925	352.301616	349.78343	353.147679	352.485401	350.120818	353.611187	352.470521
123345.6	135092.8	111598.4	135092.8	123345.6	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056

191.598286	166.681845	151.627104	126.810477	121.310542	110.068817	191.131455	201.016745
26.927818	26.796114	27.619944	25.845746	25.439055	25.630933	29.460466	29.234157
1609719.91	1599051.34	1097076.25	1386105.93	1191442.59	1110359.98	1757304.19	1500887.73
2334786.49	2187113.47	1712002.66	1540634.78	1283629.91	1238219.94	3132457.37	2595945.05
725066.58	588062.13	614926.417	154528.849	92187.32	127859.969	1375153.18	1095057.33
2334786.49	2187113.47	1712002.66	1540634.78	1283629.91	1238219.94	3132457.37	2595945.05
1714.89	1723.93	1202.55	1406.69	1195.72	1066.21	1699.36	1525
240262.849	266174.464	310281.414	342781.403	179282.774	60547.9117	434398.947	375142.775
348001.457	386901.203	657596.485	426504.81	217457.831	74142.4292	782353.848	685987.549
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6062.41596	6968.42675	8600.30755	11489.1404	6195.65299	1703.17028	9045.83367	8042.38382
33.012885	29.196221	17.012383	24.630744	25.006313	26.450979	31.648047	29.546558
32.979576	29.139509	16.981187	24.483545	24.917138	26.404779	31.615464	29.534029
58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056
172.797428	156.728967	124.510934	142.260717	136.102678	132.295237	160.000767	151.906425
450415.757	308232.501	431295.919	-121705.5	-159998.01	-106172.85	1105229.02	856627.324
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51997.52	50707.8332	29251.0164	40862.8036	39534.847	40631.3057	47274.4363	40567.6722
1339392.28	1298695.7	759732.116	1010523.66	979607.382	1022621.37	1290385.71	1097456.2
105.63	111.6	80.79	155.72	121.09	56.09	125.92	115.16
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230.08	256.29	223.1	211.98	214.33	263.41	225.76	204.73
		0.004784			0.00909		
308331.655	302044.782	206683.026	219458.736	205695.065	225786.245	311568.897	262504.264
5.03	4.61	3.69	4.35	3.81	3.29	4.96	3.9
31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111
1884370.74	1878880.97	1280706.74	1662340.29	1443627.92	1344392.8	2027228.34	1739317.73
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1485879.33	1475352.36	1010582.14	1282059.09	1104527.75	1033566.26	1634271.47	1397785.3
58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056
31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111
1884370.74	1878880.97	1280706.74	1662340.29	1443627.92	1344392.8	2027228.34	1739317.73
92705.4734	88991.2265	59045.2875	70763.1276	54092.5838	49330.1947	89416.5871	74446.7164
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2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11
1685.56574	1796.13914	771.016409	1108.31186	1285.797	1829.56487	1394.97689	1152.79641
-88346.657	-91249.805	-63510.996	-74979.163	-74314.096	-84305.067	-91984.054	-80190.329
88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11
229.16	255.04	222.91	211.3	213.83	262.3	224.76	203.62
194.537583	185.868252	144.092071	130.430721	150.757392	189.176523	166.692448	162.614127
87.187379	87.419849	73.341808	63.14229	69.4826	90.539835	82.129892	82.406751
22274.5988	25062.4029	19229.0228	13746.5354	15507.5428	24855.5518	23061.2082	20409.045

-88346.657	-91249.805	-63510.996	-74979.163	-74314.096	-84305.067	-91984.054	-80190.329
-262.93648	-247.96143	-208.91775	-203.74773	-221.1729	-263.45333	-261.31833	-250.59478
-2886575.8	-2697795	-1591531.8	-1853109.9	-1832645.5	-2125199.9	-3554938.4	-2896442.7
-32.700935	-29.608068	-24.895983	-24.717793	-24.654042	-25.194917	-38.694907	-36.135525
-2886575.8	-2697795	-1591531.8	-1853109.9	-1832645.5	-2125199.9	-3554938.4	-2896442.7
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
3328330.07	3144410.04	1754245.49	2080903.55	2117973.6	2608488.39	3921697.78	3186692.81
88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71

2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11
1685.56574	1796.13914	771.016409	1108.31186	1285.797	1829.56487	1394.97689	1152.79641
-88346.657	-91249.805	-63510.996	-74979.163	-74314.096	-84305.067	-91984.054	-80190.329
88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11
229.16	255.04	222.91	211.3	213.83	262.3	224.76	203.62
194.537583	185.868252	144.092071	130.430721	150.757392	189.176523	166.692448	162.614127
87.187379	87.419849	73.341808	63.14229	69.4826	90.539835	82.129892	82.406751
22274.5988	25062.4029	19229.0228	13746.5354	15507.5428	24855.5518	23061.2082	20409.045
-88346.657	-91249.805	-63510.996	-74979.163	-74314.096	-84305.067	-91984.054	-80190.329
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-32.700935	-29.608068	-24.895983	-24.717793	-24.654042	-25.194917	-38.694907	-36.135525
-2886575.8	-2697795	-1591531.8	-1853109.9	-1832645.5	-2125199.9	-3554938.4	-2896442.7
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
3328330.07	3144410.04	1754245.49	2080903.55	2117973.6	2608488.39	3921697.78	3186692.81
88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71

122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427
470.529408	536.37495	677.546341	954.870802	824.617961	670.934113	812.300978	799.459265
4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989
137765.722	134044.561	121087.765	168860.586	157750.375	155921.065	273612.91	240909.719
4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989
12.887567	12.656566	16.315488	18.656211	19.161257	19.505428	20.223669	20.977999
15566.8401	2606.62617	-18880.857	-24883.419	-23935.131	-20220.752	61901.8329	41266.2924

15566.8401	2606.62617	-18880.857	-24883.419	-23935.131	-20220.752	61901.8329	41266.2924
4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989
122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427
-15566.84	-2606.6262	18880.8567	24883.4191	23935.1314	20220.7519	-61901.833	-41266.292
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88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427
122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427
4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989
122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427
122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427
4330.22262	4657.61639	4959.90863	6865.48565	6438.18237	6241.73696	7118.73156	6712.95989
137765.722	134044.561	121087.765	168860.586	157750.375	155921.065	273612.91	240909.719
15566.8401	2606.62617	-18880.857	-24883.419	-23935.131	-20220.752	61901.8329	41266.2924
122198.882	131437.935	139968.621	193744.005	181685.506	176141.817	211711.077	199643.427

126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278
487.101879	554.985875	699.768411	985.961489	852.147359	693.192697	831.011512	818.005692
4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407
155062.773	150821.094	135939.484	189542.135	177210.179	175106.748	307404.154	270715.055
23.319552	28.933888	12.080479	27.209417	28.723735	21.848964	26.412897	32.140194
0.932782	0.868016	0.362414	0.816282	1.723424	1.310937	1.056515	0.642803
4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407
14.50375	14.236344	18.317567	20.93943	21.524545	21.906397	22.721688	23.573356
28552.9426	14817.3062	-8619.8269	-10498.103	-10538.964	-6874.0814	90817.3857	66437.7769
28552.9426	14817.3062	-8619.8269	-10498.103	-10538.964	-6874.0814	90817.3857	66437.7769
4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407
126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278
-28552.943	-14817.306	8619.82686	10498.1033	10538.9637	6874.08136	-90817.386	-66437.777
-28552.943	-14817.306	8619.82686	10498.1033	10538.9637	6874.08136	-90817.386	-66437.777
0.29	0.11	0.06	0.3	0.58	0.5	0.32	0.11
88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278
126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278
4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407
126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278
126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278
4873.26003	5238.97486	5568.54046	7705.71025	7232.24742	7010.04734	7998.03428	7543.47407
155062.773	150821.094	135939.484	189542.135	177210.179	175106.748	307404.154	270715.055
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126509.83	136003.787	144559.31	200040.238	187749.143	181980.829	216586.768	204277.278

151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681
577.59132	727.36381	538.35511	529.989142	558.528728	549.28631	625.816597	546.621211
2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924
96080.3442	99753.6728	55271.3192	51671.1056	58479.9946	70714.0733	121760.164	94681.0014
2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924

8.788134	9.500151	7.193427	5.695924	7.146232	8.797685	9.059375	8.324997
-55192.283	-79349.262	-56758.538	-55712.104	-64530.101	-73511.664	-41607.186	-41795.679
-55192.283	-79349.262	-56758.538	-55712.104	-64530.101	-73511.664	-41607.186	-41795.679
2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924
151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681
55192.2831	79349.2617	56758.5382	55712.1036	64530.1011	73511.6638	41607.1857	41795.6795
55192.2831	79349.2617	56758.5382	55712.1036	64530.1011	73511.6638	41607.1857	41795.6795
88346.6566	89107.3124	61045.2304	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681
151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681
2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924
151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681
151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681
2952.81334	3496.05572	2186.80182	2096.10012	2401.13402	2815.25936	3188.90006	2663.99924
96080.3442	99753.6728	55271.3192	51671.1056	58479.9946	70714.0733	121760.164	94681.0014
-55192.283	-79349.262	-56758.538	-55712.104	-64530.101	-73511.664	-41607.186	-41795.679
151272.627	179102.934	112029.857	107383.209	123010.096	144225.737	163367.35	136476.681

124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8
481.625704	555.661789	726.641354	1186.66303	942.980498	681.555969	854.59789	613.138414
1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881
59800.8322	56616.6939	55681.8515	90767.3968	78043.8211	67834.7664	126034.015	81912.9577
1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881
5.709052	5.670983	7.617453	10.061218	9.524231	8.597391	9.49643	7.166183
-64539.598	-78657.591	-94422.202	-149230.49	-129389.38	-110495.77	-96057.857	-70445.842
-64539.598	-78657.591	-94422.202	-149230.49	-129389.38	-110495.77	-96057.857	-70445.842
1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881
124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8
64539.5975	78657.5911	94422.2024	149230.492	129389.379	110495.774	96057.8569	70445.8425
64539.5975	78657.5911	94422.2024	149230.492	129389.379	110495.774	96057.8569	70445.8425
85987.6033	88439.1911	63074.0591	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8
124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8
1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881
124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8
124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8
1918.24174	2086.92201	2315.70586	3702.52836	3200.14193	2751.16539	3342.7434	2293.17881
59800.8322	56616.6939	55681.8515	90767.3968	78043.8211	67834.7664	126034.015	81912.9577
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124340.43	135274.285	150104.054	239997.888	207433.2	178330.541	222091.872	152358.8

524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186
2016.84831	2374.38643	2642.31122	3657.48447	3178.27455	2594.96909	3123.72698	2777.22458
14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612
448709.672	441236.021	367980.419	500841.223	471484.37	469576.653	828811.243	688218.733
23.319552	28.933888	12.080479	27.209417	28.723735	21.848964	26.412897	32.140194
0.932782	0.868016	0.362414	0.816282	1.723424	1.310937	1.056515	0.642803

14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612
41.888505	42.064046	49.443936	55.352783	57.356267	58.806903	61.501162	60.042537
-75612.098	-140582.92	-178681.42	-240324.12	-228393.58	-211102.27	15054.176	-4537.4526
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14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612
524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186
75612.098	140582.92	178681.424	240324.118	228393.575	211102.271	-15054.176	4537.45264
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0.29	0.11	0.06	0.3	0.58	0.5	0.32	0.11
351027.573	360046.114	251141.282	299916.654	297256.382	337220.266	367936.215	320761.317
524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186
524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186
14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612
524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186
524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186
14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612
448709.672	441236.021	367980.419	500841.223	471484.37	469576.653	828811.243	688218.733
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10.912442	11.000758	11.428383	10.898163	10.880974	10.88731	11.084731	11.105839
0.488559	0.445095	0.356066	0.402752	0.385875	0.378033	0.452709	0.431323
0.470709	0.426938	0.339174	0.387525	0.37075	0.360379	0.43585	0.413801
2886575.79	2697795.01	1591531.79	1853109.93	1832645.54	2125199.91	3554938.43	2896442.71
2305468.33	2327129.67	1469107.66	1979482.62	1964813.38	2186588.77	2470902.12	2080462.5
8736.97296	9364.2026	7051.24478	9723.78122	8883.44396	8294.269	9454.30244	8301.89963
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2689816.99	2945990.04	2433643.94	2945990.04	2689816.99	2561730.47	2874261.59	2612965.08
0.034894	0.036509	0.03561	0.034016	0.035275	0.031886	0.033499	0.036713
629987.483	628377.05	423798.963	566899.763	494711.381	457783.863	615049.878	531315.286
830636.087	808213.607	568052.847	625237.715	506466.894	472266.858	934110.083	779215.313
2.329641	2.308077	2.303107	2.253133	2.231126	2.249834	2.532621	2.512813
655243.245	667138.757	442529.295	656821.373	598060.852	561299.403	700161.388	618569.987
38697.4248	25606.425	6774.80265	2063.14526	1237.10578	2751.54879	17330.7957	10695.5292
118847.207	129646.995	106334.163	129958.346	118435.095	112038.662	124471.138	112790.567
353.711925	352.301616	349.78343	353.147679	352.485401	350.120818	353.611187	352.470521
123345.6	135092.8	111598.4	135092.8	123345.6	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
58059.936	57676.26	37851.324	52351.944	45730.5	42334.476	56320.27	48610.056
191.598286	166.681845	151.627104	126.810477	121.310542	110.068817	191.131455	201.016745
26.927818	26.796114	27.619944	25.845746	25.439055	25.630933	29.460466	29.234157
1609719.91	1599051.34	1097076.25	1386105.93	1191442.59	1110359.98	1757304.19	1500887.73
2334786.49	2187113.47	1712002.66	1540634.78	1283629.91	1238219.94	3132457.37	2595945.05
88346.6566	91249.8051	63510.996	74979.1634	74314.0955	84305.0666	91984.0538	80190.3292
725066.58	588062.13	614926.417	154528.849	92187.32	127859.969	1375153.18	1095057.33

2783496.17	2628349.49	2079983.08	2041476.01	1755114.28	1707796.6	3961268.61	3284163.79
1714.89	1723.93	1202.55	1406.69	1195.72	1066.21	1699.36	1525
240262.849	266174.464	310281.414	342781.403	179282.774	60547.9117	434398.947	375142.775
23.061485	21.127619	18.095981	18.202229	18.180582	18.553953	27.629301	25.88414
441754.278	446615.027	162713.697	227793.621	285328.054	483288.478	366759.351	290250.11
229.16	255.04	222.91	211.3	213.83	262.3	224.76	203.62
194.537583	185.868252	144.092071	130.430721	150.757392	189.176523	166.692448	162.614127
7.265614	7.284987	4.583863	5.261857	5.790216	7.544986	5.133118	5.150421
22,275	25,062	19,229	13,747	15,508	24,856	23,061	20,409
348001.457	386901.203	657596.485	426504.81	217457.831	74142.4292	782353.848	685987.549
6.722968	6.274158	3.439605	8.478667	7.241982	3.856066	4.645746	4.649788
6,062	6,968	8,600	11,489	6,196	1,703	9,046	8,042
32.93668	29.1746	17.021795	24.611035	25.0462	26.381586	31.623932	29.531727
32.90348	29.117937	16.990686	24.464873	24.958416	26.336404	31.591567	29.519202
-16212.183	-18093.976	-10628.715	-2257.395	-9311.8898	-23152.382	-14015.374	-12366.661
-48.250544	-49.168413	-34.962879	-6.134225	-27.713957	-72.351192	-39.816404	-38.645816
-5201589.1	-5476135.5	-3772561.2	-5161129.6	-4910854.1	-5004205.5	-5308916.8	-4657317.9
-58.910793	-60.027815	-59.512255	-68.836024	-66.085625	-59.367572	-57.717245	-58.07363
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66072.0578	66187.4022	44281.9732	61232.628	58806.5527	59449.5148	68922.8456	59781.2842
1863714.05	1880514.64	1306393.96	1751689	1679485.33	1703300.29	2104142.77	1790212.39
4926938.3	5196305.84	3588930.75	4884895.23	4658668.79	4770172.68	5038992.67	4418887.91
5020691.12	5256019.67	3094047.96	4686184.04	4726539.01	5179318.73	4623398.17	4023150.47
		0.004784			0.00909		
747705.884	753340.701	521335.304	594354.553	577265.543	647311.578	771489.166	663455.91
5.03	4.61	3.69	4.35	3.81	3.29	4.96	3.9
31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111
7985085.29	8104484.96	5852544.32	7202605.59	6665968.4	6712002.1	9270185.43	7941481.7
5295268.3	5158494.93	3418900.38	4256615.55	3976151.41	4150271.63	6395923.84	5328516.62
1485879.33	1475352.36	1010582.14	1282059.09	1104527.75	1033566.26	1634271.47	1397785.3
72134.4737	73155.829	52882.2808	72721.7684	65002.2057	61152.6851	77968.6793	67823.668
31135.1077	34707.7501	27448.8162	33283.7184	32822.2632	27463.5197	33616.1319	28655.7111
5295268.3	5158494.93	3418900.38	4256615.55	3976151.41	4150271.63	6395923.84	5328516.62
92705.4734	88991.2265	59045.2875	70763.1276	54092.5838	49330.1947	89416.5871	74446.7164
524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186
14074.5377	15479.569	15030.9568	20369.8244	19271.7057	18818.2091	21648.4093	19213.612
448709.672	441236.021	367980.419	500841.223	471484.37	469576.653	828811.243	688218.733
-75612.098	-140582.92	-178681.42	-240324.12	-228393.58	-211102.27	15054.176	-4537.4526
524321.77	581818.942	546661.843	741165.341	699877.945	680678.924	813757.067	692756.186

2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10
2743613.33	2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84
-2743613.3	-2874261.6	-2874261.6	-2612965.1	-2874261.6	-2874261.6	-2612965.1	-3004909.8
-2743613.3	-2874261.6	-2874261.6	-2612965.1	-2874261.6	-2874261.6	-2612965.1	-3004909.8
2743613.33	2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84
2743613.33	2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84
2743613.33	2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84
29.728082	27.048772	27.978332	27.759612	34.977362	31.805922	26.830052	26.994092
0	0	0	0	0	0	0	0
29.602026	26.922716	27.852276	27.633556	34.851306	31.679866	26.703996	26.868036
29.698992	27.019682	27.949242	27.730522	34.948272	31.776832	26.800962	26.965002
28.971744	26.292434	27.221994	27.003274	34.221024	31.049584	26.073714	26.237754
29.252947	26.573637	27.503197	27.284477	34.502227	31.330787	26.354917	26.518957
29.679599	27.000289	27.929849	27.711129	34.928879	31.757439	26.781569	26.945609
29.718385	27.039075	27.968635	27.749916	34.967665	31.796225	26.820356	26.984395
18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603
0.989999	0.99	0.99	0.99	0.99	0.99	0.99	0.99
29.41779	26.73848	27.66804	27.44932	34.66707	31.49563	26.51976	26.6838
4.042279	3.613415	3.379049	3.361942	3.376219	3.383718	3.390451	3.466775
21.649787	19.827842	20.428018	20.280779	25.093802	22.980134	19.663448	19.779168
21.649787	19.827842	20.428018	20.280779	25.093802	22.980134	19.663448	19.779168

		0.41682		0.27788	0.13894	0.27788	
		0.007424		0.000721	0.001228	0.013024	
		0.007424		0.000656	0.00106	0.012611	
		110.650123		55.372655	307.400592	788.916213	
		0.557797		0.164554	1.082216	3.646946	
		58.8		5.2	8.4	90.8	
0.029434	0.027556	0.031846	0.028562	0.029545	0.031789	0.038625	0.02807
		816.9672		72.2488	116.7096	1261.5752	
		15273.6949		1350.73492	2181.95641	23585.9098	
		0.595002		0.396668	0.198334	0.396668	
		929.54528		82.204684	132.792182	1435.42026	
7337.475	7701.75	7667.775	6994.35	7686	7668.225	6921.9	8047.575
21.837723	21.879971	21.783451	21.857343	21.835227	21.78473	21.630937	21.86841
7560	7920	7920	7200	7920	7920	7200	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
		58.8		5.2	8.4	90.8	
		8.313563		5.779714	2.776343	5.539759	
		8.313563		5.779714	2.776343	5.539759	
		16290.9953		1463.87871	2332.12829	25143.0052	
		20074.9891		1623.12622	2725.26444	57615.3501	
		3783.99382		159.24751	393.136141	32472.345	
		20074.9891		1623.12622	2725.26444	57615.3501	
		8.92		2.67	2.76	5.89	
		16180.3451		1408.50605	2024.7277	24354.0889	
		19962.9386		1564.70428	2318.60285	54857.3057	
		0.6		0.325939	0.182218	0.399151	
		58.4		5.00275	7.288747	87.948069	
		280.077627		287.219933	276.625308	276.625308	
		2.800776		5.744398	2.766253	2.766253	
		58.8		5.2	8.4	90.8	
		0.167045		0.014772	0.023863	0.28375	
		3783.99382		159.24751	393.136141	32472.345	
		3783.99382		159.24751	393.136141	32472.345	
		0.4		0.197249	1.111252	2.85193	
		110.650123		55.372655	307.400592	788.916213	
		0.7		0.09	0.13	0.24	
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		-23746.932		-1723.9518	-2711.739	-87329.651	
		0.02					
		585.0245		79.1908	116.2604	998.4987	
		0.03		0.03	0.01	0.03	
		25.4271		25.4271	8.4757	25.4271	
		16290.9953		1463.87871	2332.12829	25143.0052	
		16290.9953		1463.87871	2332.12829	25143.0052	
		16203.2402		1432.93961	2314.74859	25021.3301	

		58.8		5.2	8.4	90.8	
		25.4271		25.4271	8.4757	25.4271	
		16290.9953		1463.87871	2332.12829	25143.0052	
		62.328		5.512	8.904	96.247999	
5.74559	5.46302	3.29665	4.7095	7.25263	6.78168	2.35475	5.55721
0.151514	0.139143	0.218402	0.203841	0.28446	0.228193	0.136867	0.145751
0.145892	0.135795	0.210426	0.199156	0.275397	0.221079	0.131343	0.141168
14998.3866	6063.05678	42269.0967	51137.2464	139232.188	82250.1844	26131.6388	105609.274
64.21412	29.139332	211.565945	202.790309	481.645167	298.397633	120.929533	502.113355
2843.16	2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1
0.036577	0.03034	0.03017	0.033593	0.032698	0.032784	0.028656	0.025652
26779.724	26113.2356	40464.5891	34815.8265	52958.5159	42513.2216	22961.0731	28380.3889
107664.416	96536.5555	135631.18	117040.498	183098.489	146980.123	78781.7492	101865.225
2.348129	2.128727	1.169957	1.681383	2.635715	2.455237	0.865172	2.076652
3104.34393	1344.01308	10181.7137	12222.6608	32642.3994	19407.2183	6191.25923	24143.1114
18775.18	19796.56	19800.04	17936.5	19748.42	19746.68	18028.14	20796.48
55.878511	56.240227	56.250113	56.051562	56.103465	56.098522	56.337937	56.512173
19488	20416	20416	18560	20416	20416	18560	21344
58	58	58	58	58	58	58	58
2843.16	2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1
26.786024	24.508891	13.64685	19.699015	30.661532	28.601926	10.024358	24.155133
26.786024	24.508891	13.64685	19.699015	30.661532	28.601926	10.024358	24.155133
129030.591	117353.613	167757.346	144738.01	225263.323	180788.531	96983.7447	124579.746
182309.372	150752.787	382985.646	243733.983	368785.289	299390.863	332802.869	157818.104
53278.7817	33399.1742	215228.3	98995.9729	143521.966	118602.332	235819.124	33238.3581
182309.372	150752.787	382985.646	243733.983	368785.289	299390.863	332802.869	157818.104
181.2	160.58	118.45	131.55	235.25	198.42	100.88	137.79
114032.204	111290.556	125488.249	93600.7639	86031.1344	98538.3462	70852.1059	18970.4716
160930.808	142942.704	282928.782	152687.158	134093.998	160343.124	239588.559	23775.6516
32.666606	32.726061	15.807437	22.343789	23.604648	26.431318	11.543181	10.378733
2513.57682	2629.7083	3215.08392	2398.67986	2156.92923	2453.12702	1780.42402	449.864904
45.665873	43.014613	39.249697	40.000292	40.645801	40.347767	40.875459	42.481392
23.285961	17.19296	13.710954	19.506503	31.243064	28.606274	10.21004	25.011658
2843.16	2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1
8.461785	7.876136	12.204715	11.551062	15.973068	12.822613	7.617937	8.187771
53278.7817	33399.1742	215228.3	98995.9729	143521.966	118602.332	235819.124	33238.3581
53278.7817	33399.1742	215228.3	98995.9729	143521.966	118602.332	235819.124	33238.3581
329.583175	142.691695	1080.97608	1297.66014	3465.59077	2060.43298	657.315981	2563.2351
14998.3866	6063.05678	42269.0967	51137.2464	139232.188	82250.1844	26131.6388	105609.274
21.23	26.32	15.14	16.13	24.08	23.08	6.99	13.29
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-214209.59	-176341.88	-498157.08	-251683.13	-277615.96	-278945.46	-475407.68	-57014.01
1.18	0.56	1.11	3.15	9.68	5.79	1.5	16.45
11274.0737	9759.6444	14634.8565	15465.0354	27360.8602	20715.1807	9095.3757	10896.5021
0.62	0.56	0.53	0.6	1	0.7	0.23	0.84
241.4962	218.1256	206.4403	233.706	389.51	272.657	89.5873	327.1884

129030.591	117353.613	167757.346	144738.01	225263.323	180788.531	96983.7447	124579.746
129030.591	117353.613	167757.346	144738.01	225263.323	180788.531	96983.7447	124579.746
107664.416	96536.5555	135631.18	117040.498	183098.489	146980.123	78781.7492	101865.225
2843.16	2772.4	4296.06	3696.34	5622.52	4513.56	2437.74	3013.1
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21124.6788	20598.932	31919.7258	27463.8062	41775.3236	33535.7508	18112.4082	22387.333
10.984984	10.998868	11.244258	11.132527	10.904394	10.984352	11.342728	
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518506.163	418339.919	558223.236	543663.053	735035.474	687543.501	381085.114	
2288.28183	2059.85315	2837.696	2369.74945	2730.38959	2691.79162	1772.59241	
24142.568	24653.052	21307.638	20433.184	26568.626	25141.772	14729.362	
0.03247	0.03446	0.035767	0.039718	0.038948	0.031988	0.039906	0.036793
262373.365	268525.993	235446.18	224349.118	287342.155	273417.643	164708.654	
259658.307	265956.024	233217.625	220643.81	284119.921	270567.959	163075.151	
2.476	2.476	2.476	2.476	2.476	2.476	2.476	
389886.821	399029.625	349873.023	333382.79	426990.442	406298.618	244757.06	
36084.99	37725.57	37674.51	34109.19	37550.19	37822.14	29070.9	
107.395803	107.174914	107.029857	106.591218	106.676676	107.449261	90.846562	
37296	39072	39072	35520	39072	39072	35520	40848
111	111	111	111	111	111	111	111
24142.568	24653.052	21307.638	20433.184	26568.626	25141.772	14729.362	
28.925793	28.947965	29.59421	29.349143	28.710666	28.91282	29.854099	
28.629826	28.663734	29.270396	29.001456	28.429053	28.626202	29.512078	
690076.2	705946.354	619417.591	589027.983	755486.148	718601.241	433400.599	
866287.727	793057.34	894332.618	735980.281	1108984.56	975097.383	652759.213	
176211.526	87110.9861	274915.028	146952.299	353498.411	256496.142	219358.615	
866287.727	793057.34	894332.618	735980.281	1108984.56	975097.383	652759.213	
325.09	339.87	339.41	307.29	338.29	340.74	261.86	
165562.837	281899.595	55337.3342	39582.9997	14068.0246	25275.8099	47810.0842	
256703.328	395627.594	144912.909	64344.2566	20125.3634	38638.5427	150463.69	
34.662968	52.371457	14.471552	16.615329	13.781467	14.457934	15.357925	
5996.49393	10194.9219	2003.13043	1452.89828	513.440902	919.045673	1726.92712	
22.09818	21.850672	14.400905	19.423817	23.806278	22.366553	11.641774	
21.973124	21.530935	14.38436	19.395415	23.792548	22.347337	11.603748	
24142.568	24653.052	21307.638	20433.184	26568.626	25141.772	14729.362	
71.85288	70.037079	60.533062	63.8537	75.479051	71.425488	46.029256	
39068.9683	-53247.55	151847.31	29685.0146	203304.667	113580.74	133265.401	
39068.9683	-53247.55	151847.31	29685.0146	203304.667	113580.74	133265.401	
18146.0741	14458.1301	19304.5076	18980.2857	26055.1851	24222.7263	13002.4349	
518506.163	418339.919	558223.236	543663.053	735035.474	687543.501	381085.114	
96.17	115.36	18.26	27.39	18.8	29.94	14.85	
-176211.53	-87110.986	-274915.03	-146952.3	-353498.41	-256496.14	-219358.61	
-432914.85	-482738.58	-419827.94	-211296.56	-373623.77	-295134.68	-369822.3	

172.92	169.11	239.92	210.42	217.25	227.12	204.39	
						0.15	1
71266.6337	66930.4499	64939.7963	68422.3611	88062.7281	84234.8338	54694.7805	
0.8	0.76	0.78	0.77	0.85	0.77	0.6	
6007.2	5706.84	5857.02	5781.93	6382.65	5781.93	4505.4	
827218.758	846304.89	742485.309	706295.267	905679.893	861516.643	519493.812	
827218.758	846304.89	742485.309	706295.267	905679.893	861516.643	519493.812	
649545.128	664985.649	583090.648	554026.6	711110.363	676866.577	407832.211	
24142.568	24653.052	21307.638	20433.184	26568.626	25141.772	14729.362	
6007.2	5706.84	5857.02	5781.93	6382.65	5781.93	4505.4	
827218.758	846304.89	742485.309	706295.267	905679.893	861516.643	519493.812	
34523.8722	35253.8644	30469.9223	29219.4531	37993.1352	35952.734	21062.9877	
	0.03		0.01			0.05	
		0.45		0.3	0.15	0.3	
		0.006568		0.000541	0.000906	0.01375	
		0.006079		0.000539	0.000823	0.01375	
				8.925031	17.850063	111.938097	
				0.025133	0.059506	0.513658	
		6.42		0.57	0.87	13.2	
0.025684	0.025653	0.027727	0.043437	0.023721	0.030397	0.040156	0.026304
		96.3		8.55	13.05	198	
		1800.38662		159.84741	243.977626	3701.7295	
		0.595002		0.396668	0.198334	0.396668	
		109.57014		9.72819	14.84829	225.284399	
982.11	1028.91	1026.72	918.3	1030.95	1023.9	921.45	1074.96
2.922946	2.923039	2.916818	2.869687	2.928835	2.908806	2.879531	2.921086
1008	1056	1056	960	1056	1056	960	1104
3	3	3	3	3	3	3	3
		6.42		0.57	0.87	13.2	
		8.925031		5.950021	2.97501	5.950021	
		8.925031		5.950021	2.97501	5.950021	
		1909.95676		169.5756	258.825916	3927.0139	
		2295.74933		183.993829	297.480543	8530.8447	
		385.792566		14.418228	38.654627	4603.8308	
		2295.74933		183.993829	297.480543	8530.8447	
		2.14		0.19	0.29	4.4	
		1909.95676		160.650568	240.975853	3815.07581	
		2295.74933		174.125796	275.279864	8147.19823	
		0.09		0.06	0.03	0.059943	
		6.42		0.54	0.81	12.823738	
						297.501053	
						2.97501	
		6.42		0.57	0.87	13.2	
		0.018238		0.001619	0.002471	0.04125	
		385.792566		14.418228	38.654627	4603.8308	
		385.792566		14.418228	38.654627	4603.8308	

			0.03	0.06	0.376261		
			8.925031	17.850063	111.938097		
		-385.79257	-14.418228	-38.654627	-4603.8308		
		-2681.5419	-188.54403	-313.93449	-12751.029		
		425.9579	57.862	79.7539	973.7007		
		0.37	0.1	0.12	0.4		
		1909.95676	169.5756	258.825916	3927.0139		
		1909.95676	169.5756	258.825916	3927.0139		
		1909.95676	169.5756	258.825916	3927.0139		
		6.42	0.57	0.87	13.2		
		1909.95676	169.5756	258.825916	3927.0139		
11.5972	11.591546		11.818578	11.463033	11.593905	12.2597	11.570575
0.706529	0.705453		0.646682	0.748542	0.710352	0.512901	0.705799
0.673734	0.67431		0.308125	0.717294	0.680709	0.440071	0.677755
242636.388	252389.458		106806.118	268886.238	257079.211	158031.896	267389.723
1077.81295	1247.80661		439.345053	1003.27828	1012.59268	753.583897	1287.33266
9734.12	10206.36		4239.8	10856.97	10303.22	6055.38	10724.8
0.046696	0.045284	0.048352	0.047	0.043295	0.0425	0.049343	0.039918
111180.886	116667.513		49053.7089	123151.406	117705.634	72447.3731	122723
110015.311	115330.785		48341.4593	121906.468	116667.405	71940.7882	121110.782
2.1015	2.1015		2.1015	2.1015	2.1015	2.1015	2.1015
123577.555	129675.94		54523.1975	136882.788	130829.812	80525.2552	136406.615
13773.33	14450.58		6557.07	14480.68	14492.72	11783.29	15192.33
40.992053	41.052784		20.490843	41.138295	41.1725	36.822781	41.283505
14448	15136	15136	13760	15136	15136	13760	15824
43	43	43	43	43	43	43	43
9734.12	10206.36		4239.8	10856.97	10303.22	6055.38	10724.8
25.833481	25.744105		26.336664	25.437435	25.736304	27.377177	25.640219
25.305832	25.292455		25.778294	25.020162	25.291605	26.689366	25.253847
247065.528	258472.865		108701.927	273009.031	261053.435	161403.21	271131.404
334533.143	313814.903		150811.097	431453.756	380331.059	266946.945	328099.064
87467.6149	55342.0387		42109.1699	158444.725	119277.624	105543.735	56967.6599
334533.143	313814.903		150811.097	431453.756	380331.059	266946.945	328099.064
320.31	335.87		152.49	336.76	337.04	274.03	353.31
9.209199	2109.18292		1.553109			65.650793	101.737947
11.570531	3113.92449		1.766026			167.217052	144.999432
0.157406	5.163506		0.063448			0.950019	1.652538
0.388672	87.66908		0.063448			2.73675	4.20239
24.805047	22.943345		22.763549	23.576159	23.138076	11.688919	23.391855
19.843359	21.067718		12.519952	16.739073	15.502511	11.57203	23.391683
9734.12	10206.36		4239.8	10856.97	10303.22	6055.38	10724.8
28.970595	28.99534		13.249375	30.843664	29.270511	18.923062	29.143478
29353.3659	-5640.0702		16468.7963	94073.4845	57752.8894	67675.4932	-7179.6524
29353.3659	-5640.0702		16468.7963	94073.4845	57752.8894	67675.4932	-7179.6524

9733.73133	10118.6909		4239.73655	10856.97	10303.22	6052.64325	10720.5976
242636.388	252389.458		106806.118	268886.238	257079.211	158031.896	267389.723
	0.72					0.08	0.84
-87467.615	-55342.039		-42109.17	-158444.72	-119277.62	-105543.74	-56967.66
-87479.185	-58455.963		-42110.936	-158444.72	-119277.62	-105710.95	-57112.659
15.04	16.23		7.65	15.38	14.39	49.37	284.43
		1	0.5			0.099999	
69113.735	65463.9274		35705.2092	86738.1521	82482.9028	54620.5778	71330.2105
1.19	1.07		0.51	1.11	1.07	0.89	0.98
4419.93132	3974.22396		1894.25628	4122.79308	3974.22396	3305.66292	3639.94344
305179.777	319454.974		134342.301	337380.271	322578.17	199271.452	335278.716
305179.777	319454.974		134342.301	337380.271	322578.17	199271.452	335278.716
233592.866	245006.726		102864.657	258789.256	247497.216	152466.043	257517.397
9734.12	10206.36		4239.8	10856.97	10303.22	6055.38	10724.8
4419.93132	3974.22396		1894.25628	4122.79308	3974.22396	3305.66292	3639.94344
305179.777	319454.974		134342.301	337380.271	322578.17	199271.452	335278.716
9052.7316	9491.9148		3943.014	10096.9821	9581.9946	5631.5034	9974.064

		0.45		0.3	0.15	0.3	
		0.006335		0.000539	0.000909	0.01375	
		0.006335		0.000539	0.000909	0.01375	
				8.925031	9.056471	103.657392	
				0.025133	0.03023	0.473886	
		6.69		0.57	0.96	13.2	
0.028392	0.028579	0.028579	0.035156	0.054346	0.02034	0.020281	0.037771
		100.35		8.55	14.4	198	
		1876.10382		159.84741	269.216691	3701.7295	
		0.595002		0.396668	0.198334	0.396668	
		114.17823		9.72819	16.38432	225.284399	
979.38	1025.82	1025.82	926.25	998.61	1034.52	940.53	1062.3
2.914821	2.914261	2.914261	2.894531	2.83696	2.938977	2.939156	2.886684
1008	1056	1056	960	1056	1056	960	1104
3	3	3	3	3	3	3	3
		6.69		0.57	0.96	13.2	
		8.925031		5.950021	2.97501	5.950021	
		8.925031		5.950021	2.97501	5.950021	
		1990.28205		169.5756	285.601011	3927.0139	
		2399.14969		183.993829	327.031955	8530.8447	
		408.867641		14.418228	41.430944	4603.8308	
		2399.14969		183.993829	327.031955	8530.8447	
		2.23		0.19	0.32	4.4	
		1990.28205		160.650568	276.544539	3823.35651	
		2399.14969		174.125796	315.270065	8164.28735	
		0.09		0.06	0.029985	0.059936	
		6.69		0.54	0.929558	12.851573	
					297.501053	297.501053	
					2.97501	2.97501	

		6.69		0.57	0.96	13.2	
		0.019005		0.001619	0.002727	0.04125	
		408.867641		14.418228	41.430944	4603.8308	
		408.867641		14.418228	41.430944	4603.8308	
				0.03	0.030441	0.348426	
				8.925031	9.056471	103.657392	
				0.05			
		-408.86764		-14.418228	-41.430944	-4603.8308	
		-2808.0173		-188.54403	-356.70101	-12768.118	
		444.2998		57.862	88.5265	973.7007	
		0.38		0.1	0.13	0.4	
		1990.28205		169.5756	285.601011	3927.0139	
		1990.28205		169.5756	285.601011	3927.0139	
		1990.28205		169.5756	285.601011	3927.0139	
		6.69		0.57	0.96	13.2	
		1990.28205		169.5756	285.601011	3927.0139	
6.364546	5.220293	4.306713	5.985114	9.954454	7.653985	3.008025	4.65787
0.075238	0.05446	0.163091	0.13143	0.171179	0.133	0.105153	0.05399
0.073279	0.052715	0.156039	0.129531	0.166045	0.130585	0.1019	0.052559
2639.11963	408.765302	6572.53041	10375.4923	33705.3165	16944.2539	6005.03393	13334.6045
11.131223	1.963772	32.721886	39.506485	113.229885	60.531099	27.173437	62.844564
1231.1	927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1
0.031116	0.032088	0.033153	0.028093	0.030582	0.027102	0.032671	0.026942
17650.3	13217.8	39716.3	29843.3	42051.2	33051.9	23645.2	13769.5
68844.9163	48512.4933	132193.224	100003.188	145022.693	114120.31	81103.3505	48275.074
1.590503	1.364439	1.005745	1.412057	2.39949	1.844641	0.716258	1.167738
657.913824	110.51723	1980.11743	3073.4381	9732.08577	4990.37568	1733.46145	3834.04069
16365.6	17021.3	16987.1	15620.7	17017.8	17180	15405.4	17866.9
48.707142	48.355965	48.258806	48.814687	48.346022	48.806818	48.141875	48.551358
16800	17600	17600	16000	17600	17600	16000	18400
50	50	50	50	50	50	50	50
1231.1	927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1
35.684115	28.72132	29.528256	36.647026	59.465897	43.148108	18.436465	24.36217
22.62564	19.3515	14.527868	20.290568	34.490243	26.207571	10.324603	16.585718
69120.6173	48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713
92288.8871	59801.1162	284857.906	159559.524	229293.906	187612.641	268328.043	59243.843
23168.2697	11127.7739	151840.098	59056.779	83415.6032	73125.0661	186880.844	10770.13
92288.8871	59801.1162	284857.906	159559.524	229293.906	187612.641	268328.043	59243.843
208.55	139.95	186.41	193.65	329.8	245.22	135.73	127.79
66481.4977	48264.577	126445.277	90127.2525	112172.987	97543.3211	75442.1646	35139.1085
88666.411	59338.1426	271090.445	143161.46	173272.738	159026.764	244152.425	42555.5445
9.737733	8.092569	7.216166	8.848785	14.299386	11.064753	4.676492	5.865484
1184.54649	919.905912	2606.84328	1855.83534	2236.03629	1945.85955	1508.48101	694.457335
55.926785	53.169555	56.222154	54.409197	57.006699	55.070196	57.556061	52.946083
11.744624	6.912042	14.04314	19.587311	37.137973	26.399523	11.491264	17.376519

1231.1	927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1
3.663988	2.635795	7.801988	6.476562	8.302272	6.529261	5.095	2.627989
23168.2697	11127.7739	151840.098	59056.779	83415.6032	73125.0661	186880.844	10770.13
23168.2697	11127.7739	151840.098	59056.779	83415.6032	73125.0661	186880.844	10770.13
46.553508	7.894087	139.456715	216.664657	686.363708	352.440449	121.918994	272.642664
2639.11963	408.765302	6572.53041	10375.4923	33705.3165	16944.2539	6005.03393	13334.6045
19.08	14.17	43.54	32.22	42.96	34.7	24.9	12.69
-23168.27	-11127.774	-151840.1	-59056.779	-83415.603	-73125.066	-186880.84	-10770.13
-111834.68	-70465.916	-422930.54	-202218.24	-256688.34	-232151.83	-431033.27	-53325.674
0.29	0.03	1.09	1.69	5	2.36	0.8	1.42
9483.1185	5901.1053	19837.7092	17812.8694	28883.0615	21280.8548	13363.3817	6250.7548
0.23	0.17	0.6	0.33	0.8	0.09	0.1	0.23
129.103	80.077	376.522	206.891	453.658	57.851	54.256	117.337
69120.6173	48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713
69120.6173	48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713
68844.9163	48512.4933	132193.224	100003.188	145022.693	114120.31	81103.3505	48275.074
1231.1	927.8	2746.3	2072.5	2922.4	2298.3	1630.4	967.1
129.103	80.077	376.522	206.891	453.658	57.851	54.256	117.337
69120.6173	48673.3423	133017.808	100502.745	145878.303	114487.575	81447.1985	48473.713
146.598	80.771999	448.061999	292.665999	401.951999	309.413999	289.591999	81.302

		0.45		0.3	0.15	0.3	
		0.006335		0.000473	0.000909	0.01375	
		0.006335		0.000397	0.000909	0.01375	
				11.900042	2.533254	122.454219	
				0.033511	0.008456	0.556635	
		8.92		0.56	1.28	17.6	
0.029464	0.026846	0.031051	0.032593	0.035056	0.035823	0.025281	0.021494
		133.8		8.4	19.2	264	
		2501.47175		157.043069	358.955588	4935.63934	
		0.595002		0.396668	0.198334	0.396668	
		152.23764		9.55752	21.84576	300.3792	
1304.4	1370.2	1364.28	1238.28	1358.64	1357.56	1247.64	1440.36
3.882142	3.892613	3.875795	3.869625	3.859772	3.856704	3.898875	3.914021
1344	1408	1408	1280	1408	1408	1280	1472
4	4	4	4	4	4	4	4
		8.92		0.56	1.28	17.6	
		8.925031		5.950021	2.97501	5.950021	
		8.925031		5.950021	2.97501	5.950021	
		2653.70939		166.600589	380.801348	5236.01854	
		3198.86625		180.501544	436.042607	11374.4596	
		545.156855		13.900955	55.241259	6138.44107	
		3198.86625		180.501544	436.042607	11374.4596	
		2.23		0.14	0.32	4.4	
		2653.70939		154.700547	378.268093	5113.56432	
		3198.86625		167.344168	432.748434	10922.6363	

		0.12	0.08	0.039733	0.07996		
		8.92	0.52	1.271484	17.18839		
				297.501053	1035.54571		
				2.97501	10.355457		
		8.92	0.56	1.28	17.6		
		0.02534	0.00159	0.003636	0.055		
		545.156855	13.900955	55.241259	6138.44107		
		545.156855	13.900955	55.241259	6138.44107		
			0.04	0.008515	0.411609		
			11.900042	2.533254	122.454219		
		2.22	0.12	0.32	4.28		
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		-3744.0231	-181.24512	-487.98969	-17061.077		
					0.1		
		444.2998	43.3431	88.5265	973.7007		
		0.38	0.07	0.13	0.4		
		2653.70939	166.600589	380.801348	5236.01854		
		2653.70939	166.600589	380.801348	5236.01854		
		2653.70939	166.600589	380.801348	5236.01854		
		8.92	0.56	1.28	17.6		
		2653.70939	166.600589	380.801348	5236.01854		
10.385219	10.369804	10.789154	10.57955	10.281241	10.386713	10.895858	10.347696
0.599601	0.591337	0.397218	0.498491	0.636804	0.592785	0.374217	0.578739
0.571361	0.558365	0.272099	0.468878	0.605868	0.558279	0.35087	0.545711
266814.32	273212.797	135804.028	209886.192	295843.395	273395.438	161239.817	278735.105
1182.16229	1351.52286	692.074176	912.098955	1096.76337	1070.38487	759.741106	1340.85406
11249.874	11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154
0.047857	0.058323	0.065085	0.058593	0.049744	0.063409	0.058281	0.061086
114678.834	117504.789	58415.7646	90663.2743	127008.862	117461.06	69321.9682	120103.623
113556.779	116185.98	57792.2221	88770.9336	126090.097	116423.03	68701.301	118234.367
2.2803	2.2803	2.280299	2.2803	2.2803	2.2803	2.280299	2.2803
147970.1	151616.429	75373.8611	116982.823	163879.534	151560.006	89446.1356	154969.705
18747.312	19424.142	14064.586	17653.25	19601.114	19319.248	17659.11	20247.472
55.795571	55.182221	39.95621	55.166406	55.684982	54.884227	55.184718	55.020304
19689.6	20627.2	20627.2	18752	20627.2	20627.2	18752	21564.8
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999
11249.874	11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154
26.894362	26.220172	30.580962	27.237567	26.17359	26.931563	29.757855	26.82118
24.155499	24.117879	25.073094	24.602345	23.914684	24.151665	25.312796	24.071603
287369.856	291917.808	155180.148	226229.528	316567.419	294793.414	181121.401	302997.377
415361.687	384739.588	281419.68	342005.96	527007.509	471049.986	344578.359	392538.126
127991.831	92821.7801	126239.532	115776.432	210440.09	176256.573	163456.959	89540.7489
415361.687	384739.588	281419.68	342005.96	527007.509	471049.986	344578.359	392538.126
319.92	330.51	240.01	301.25	334.49	329.68	301.35	345.52
	2.843027						
	2.666508						

	0.122326						
	0.122326						
25.942018	23.9584	12.959798	18.254174	23.411862	23.76268	14.706757	24.303037
8.820286	7.891454	6.868693	10.404879	7.257677	6.178296	7.647513	24.060007
11249.874	11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154
33.481767	32.720204	15.945022	27.4763	35.503892	32.715193	20.561037	31.978679
68049.2042	31402.0271	95705.6122	68386.7383	144052.558	114859.677	127222.366	26762.585
68049.2042	31402.0271	95705.6122	68386.7383	144052.558	114859.677	127222.366	26762.585
11249.874	11517.3897	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154
266814.32	273212.797	135804.028	209886.192	295843.395	273395.438	161239.817	278735.105
	0.01						
-127991.83	-92821.78	-126239.53	-115776.43	-210440.09	-176256.57	-163456.96	-89540.749
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1.66	1.69	8.48	8.11	1.34	0.97	6.54	26.62
		0.272727					
65430.4069	61163.1923	39504.2161	62832.0338	80749.1081	75994.5688	58333.1677	64900.4058
1.22	1.11	1.15	0.97	1.23	1.27	1.18	1.44
20555.536	18702.168	19376.12	16343.336	20724.024	21397.976	19881.584	24262.272
347312.483	353337.561	185714.068	273619.221	382954.951	356190.31	217355.993	365775.541
347312.483	353337.561	185714.068	273619.221	382954.951	356190.31	217355.993	365775.541
261526.879	267802.409	133166.083	205753.756	289969.631	267983.036	158147.437	273204.072
11249.874	11517.512	5612.648	8792.416	12497.37	11515.748	6579.532	11768.154
20555.536	18702.168	19376.12	16343.336	20724.024	21397.976	19881.584	24262.272
347312.483	353337.561	185714.068	273619.221	382954.951	356190.31	217355.993	365775.541
5287.44078	5413.23064	2637.94456	4132.43552	5873.7639	5412.40156	3092.38004	5531.03238

4.8	4.05	4.2	5.4	7.65	6	2.7	3.6
0.067296	0.044497	0.156887	0.122266	0.15718	0.122079	0.101436	0.045514
0.065	0.042215	0.15284	0.119406	0.153892	0.116505	0.09725	0.043885
369.871821	11.876917	1226.92566	1809.74416	5967.68743	2645.73372	775.848232	1653.77737
1.531189	0.057666	6.070165	6.686655	19.903912	9.398322	3.396081	7.805338
305.76	208.04	753.2	534.94	758.38	574.14	435.68	226.1
0.042113	0.03267	0.029744	0.026218	0.027784	0.03909	0.029156	0.03144
4586.4	3120.6	11298	8024.1	11375.7	8612.1	6535.2	3391.5
17999.8909	11377.1866	37584.9974	26881.5477	39290.0341	29749.3065	22429.1172	11815.9175
1.176839	0.989596	0.93558	1.207832	1.750661	1.374428	0.621282	0.852455
84.910671	3.30691	359.402444	531.68768	1719.27627	782.74687	220.482135	457.689716
4505.9	4767	4781.42	4362.54	4791.08	4735.36	4349.38	4990.02
13.410416	13.542613	13.583579	13.632937	13.611022	13.452727	13.591812	13.559836
4704	4928	4928	4480	4928	4928	4480	5152
14	14	14	14	14	14	14	14
305.76	208.04	753.2	534.94	758.38	574.14	435.68	226.1
17.829635	15.089297	14.190971	18.648477	26.759267	20.705277	9.399465	13.057395
17.829635	15.089297	14.190971	18.648477	26.759267	20.705277	9.399465	13.057395
18104.8909	11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175
23907.0103	13981.6477	79894.9524	42131.2006	61684.411	49056.7899	73458.7903	14384.9726

5802.1194	2478.46112	42026.455	15134.1529	22142.3769	19191.9834	50956.173	2432.55512
23907.0103	13981.6477	79894.9524	42131.2006	61684.411	49056.7899	73458.7903	14384.9726
102.95	84.82	128.17	126.34	158.35	112.79	65.3	70.92
17735.0191	11491.3096	36641.5717	25187.3035	33574.3467	27219.0728	21726.769	10298.6401
23421.4708	13969.3388	77722.1543	39391.8174	52123.7105	44492.0964	71493.1006	12370.0149
4.473629	3.778912	3.904146	4.795657	6.786642	5.536827	2.510251	3.245564
300.099288	207.819539	729.239837	499.494154	643.761582	521.956875	420.98119	195.587352
67.860673	55.822426	51.460278	54.127393	54.770954	54.393385	52.814183	54.474223
7.464674	1.116448	9.701349	14.244295	24.964296	14.686214	4.753276	9.80536
305.76	208.04	753.2	534.94	758.38	574.14	435.68	226.1
0.91	0.591022	2.139772	1.671687	2.154488	1.631079	1.3615	0.614402
5802.1194	2478.46112	42026.455	15134.1529	22142.3769	19191.9834	50956.173	2432.55512
5802.1194	2478.46112	42026.455	15134.1529	22142.3769	19191.9834	50956.173	2432.55512
5.660711	0.22046	23.960162	35.445845	114.618417	52.183124	14.698809	30.512647
369.871821	11.876917	1226.92566	1809.74416	5967.68743	2645.73372	775.848232	1653.77737
8.24	7.56	12	10.63	14.87	11.94	4.71	7.6
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0.12	0.01	0.57	0.69	2.13	1.09	0.04	1.13
5039.9077	3036.7943	10627.8068	9384.7326	15407.4537	10983.0172	6783.0031	3374.7516
0.1	0.12	0.27	0.11	0.24	0.11	0.07	0.13
105	126	283.5	115.5	252	115.5	73.5	136.5
18104.8909	11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175
18104.8909	11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175
17999.8909	11377.1866	37584.9974	26881.5477	39290.0341	29749.3065	22429.1172	11815.9175
305.76	208.04	753.2	534.94	758.38	574.14	435.68	226.1
105	126	283.5	115.5	252	115.5	73.5	136.5
18104.8909	11503.1866	37868.4974	26997.0477	39542.0341	29864.8065	22502.6172	11952.4175

11.003156	10.986404	11.277009	11.160055	10.960081	11.037869	11.513969	10.965962
0.416766	0.404334	0.333875	0.373719	0.476367	0.436557	0.301701	0.29395
0.401364	0.389146	0.269284	0.338541	0.458392	0.420666	0.272429	0.197636
1045964.25	950425.872	744206.467	923677.846	1478755.42	1320195.16	734396.314	666722.484
4625.1336	4690.34339	3780.68597	3970.17691	5445.45855	5144.27663	3442.60759	3200.94997
49506.582	50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254
0.034629	0.03399	0.035875	0.03646	0.036027	0.034757	0.035911	0.032947
537249.51	545149.93	386488.251	436749.328	643985.587	592924.919	361541.044	288368.013
677739.62	653899.025	617870.906	601681.437	901355.175	797562.239	521956.465	401301.365
2.439829	2.414385	2.559368	2.475385	2.482494	2.451813	2.439005	2.328597
661434.476	680321.994	426552.415	504888.81	727863.983	688874.307	416914.819	291376.32
3847.16843	1457.83722	12521.2335	15827.7866	44093.7615	25180.3408	8145.20282	28434.8418
118855.677	124311.832	104392.251	106316.43	124263.484	124380.353	106327.74	90718.397
353.737133	353.158613	296.568894	332.238843	353.021261	353.353275	332.274187	246.517383
123345.6	129219.2	129219.2	117472	129219.2	129219.2	117472	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
49506.582	50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254

161.953412	149.231752	152.62991	157.917894	220.838168	185.737375	148.239245	114.036099
28.147037	27.825442	30.409945	29.048288	28.70901	28.471023	29.330929	26.704409
1440767.68	1433867.17	1136086.33	1196197.24	1757715.89	1602846.36	1015091.82	759134.657
1914687.83	1716147.38	1951459.56	1674222.05	2729381.05	2366324.54	2024925.72	952084.11
473920.143	282280.214	815373.224	478024.805	971665.156	763478.183	1009833.9	192949.452
1914687.83	1716147.38	1951459.56	1674222.05	2729381.05	2366324.54	2024925.72	952084.11
1458.02	1391.6	1027.97	1212.57	1736.13	1567.58	1158.24	1035.33
363820.767	455058.064	366646.726	248499.873	247731	251497.066	253002.86	64509.9582
529733.588	614994.37	804510.994	399586.457	381696.11	405842.428	787956.418	78846.2104
13.062296	15.763914	4.951546	8.787971	6.663406	6.257956	3.66485	4.5013
9995.1052	14040.1471	8634.72748	6206.97109	5556.77076	5850.28891	5570.36186	1344.11198
28.211699	25.036206	19.48767	25.568121	35.732214	31.509349	16.36263	29.388843
28.158593	24.886672	19.453446	25.474757	35.482178	31.482226	16.345435	29.348805
49506.582	50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254
147.341017	142.855579	98.854193	124.278687	168.276039	154.426846	100.009043	72.55232
218720.709	19519.8159	661771.586	287727.454	690712.64	497641.15	849637.849	66023.9759
218720.709	19519.8159	661771.586	287727.454	690712.64	497641.15	849637.849	66023.9759
39511.4768	36245.0169	26161.9485	33562.2089	53676.3952	48507.9611	26432.5321	25355.142
1045964.25	950425.872	744206.467	923677.846	1478755.42	1320195.16	734396.314	666722.484
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191.21	187.63	251.19	231.71	250.78	251.72	262.74	330.05
		0.115702	0.045454			0.022727	0.090909
231607.876	212255.114	151443.967	209622.242	327439.622	296064.425	200809.887	156752.625
4.16	3.79	4.49	3.29	5.53	4.4	4.3	3.62
31458.2665	28807.4346	26125.0294	24575.6193	32350.0622	31608.6137	27935.4173	28483.2408
1695967.12	1696627.57	1289687.97	1386494.59	2038668.41	1868683.39	1175287.87	886060.134
1695967.12	1696627.57	1289687.97	1386494.59	2038668.41	1868683.39	1175287.87	886060.134
1339174.1	1334221.02	1044423.32	1106570.25	1629219.16	1486436.55	938871.284	692677.685
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70135.3214	70838.7138	65537.9827	65051.3748	96146.6688	84801.1989	48285.1193	37973.7314
	0.03		0.01			0.05	

2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
239160.434	178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421
1056.13461	876.779849	993.039322	1536.63203	1947.2229	1842.3661	908.254283	3047.60704
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75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
239160.434	178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421
190.41	187.07	259.74	232.85	249.78	250.74	263.69	332.93
142.957453	118.458062	141.487422	174.105546	198.125159	189.670621	169.631096	167.824865
67.665311	54.099372	74.511257	87.786226	92.124562	92.042781	89.462926	90.31641
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2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
2505864.19	2106646.65	2137186.28	2456708.33	3901945.49	3370795.86	2057732.75	2706932.95
75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
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2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
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2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
239160.434	178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421
1056.13461	876.779849	993.039322	1536.63203	1947.2229	1842.3661	908.254283	3047.60704
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75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
239160.434	178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421
190.41	187.07	259.74	232.85	249.78	250.74	263.69	332.93
142.957453	118.458062	141.487422	174.105546	198.125159	189.670621	169.631096	167.824865
67.665311	54.099372	74.511257	87.786226	92.124562	92.042781	89.462926	90.31641
14785.3702	11250.7995	21709.7632	23369.376	25722.5934	26101.2599	26050.1981	30914.1038
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-29.912189	-27.09372	-28.03005	-28.38556	-35.78067	-32.359323	-27.279285	-27.018379
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2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
2505864.19	2106646.65	2137186.28	2456708.33	3901945.49	3370795.86	2057732.75	2706932.95
75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53

208770.036	235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797
929.696033	1164.78917	1108.31788	705.365307	511.392712	527.580196	734.887056	984.404418
7019.83981	7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682
207662.985	212969.049	203681.918	148352.39	156672.033	140549.649	139425.984	184504.738
7019.83981	7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682
20.89238	22.455541	20.78687	16.773097	12.902754	12.662677	16.263915	18.657056
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-1107.0511	-22106.34	-13925.024	-11273.827	21599.8088	7990.66322	-15354.445	-19684.06
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208770.036	235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797
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75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
208770.036	235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797
208770.036	235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797
7019.83981	7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682
208770.036	235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797
208770.036	235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797
7019.83981	7904.35067	7316.97852	5367.3913	4541.76947	4457.26246	5204.45291	6865.79682
207662.985	212969.049	203681.918	148352.39	156672.033	140549.649	139425.984	184504.738
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208770.036	235075.389	217606.941	159626.217	135072.224	132558.986	154780.43	204188.797

213565.964	240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555
951.05696	1192.95866	1134.12966	720.328076	523.981916	540.326494	751.174568	1006.12602
7886.48315	8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739
233289.738	239535.138	228904.5	166379.667	176409.129	158120.036	156535.283	207102.657
24.79914	23.574584	14.719697	20.524197	29.868577	18.733663	8.409168	20.275249
0.495982	0.471491	8.24303	3.489113	0.896057	0.936683	1.177283	5.677069
7886.48315	8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739
23.471676	25.258209	23.360492	18.810662	14.51989	14.242936	18.256939	20.940726
19723.7745	-1230.1522	6228.54709	3373.99178	38003.2086	22354.0862	-1672.0561	-1580.898
19723.7745	-1230.1522	6228.54709	3373.99178	38003.2086	22354.0862	-1672.0561	-1580.898
7886.48315	8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739
213565.964	240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555
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75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
213565.964	240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555
213565.964	240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555
7886.48315	8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739
213565.964	240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555
213565.964	240765.29	222675.953	163005.676	138405.92	135765.95	158207.339	208683.555
7886.48315	8890.88958	8222.89339	6019.41195	5111.00148	5013.51365	5842.22078	7706.18739
233289.738	239535.138	228904.5	166379.667	176409.129	158120.036	156535.283	207102.657
19723.7745	-1230.1522	6228.54709	3373.99178	38003.2086	22354.0862	-1672.0561	-1580.898
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161902.32	168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199
722.206243	835.031935	762.651115	666.130392	596.027505	676.892693	549.970119	517.576004
3160.30294	3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187
92332.7249	87437.2151	80612.5552	82256.5823	107877.512	106011.249	62844.4805	56211.1173
3160.30294	3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187

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3160.30294	3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187
161902.32	168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199
69569.5948	80565.1396	69035.4903	68861.4344	50829.3809	65020.4581	53651.2277	51043.082
69569.5948	80565.1396	69035.4903	68861.4344	50829.3809	65020.4581	53651.2277	51043.082
75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
161902.32	168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199
161902.32	168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199
3160.30294	3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187
161902.32	168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199
161902.32	168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199
3160.30294	3279.37448	2921.10181	2949.79537	3097.92882	3338.50688	2273.97439	2093.58187
92332.7249	87437.2151	80612.5552	82256.5823	107877.512	106011.249	62844.4805	56211.1173
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161902.32	168002.355	149648.046	151118.017	158706.893	171031.707	116495.708	107254.199
228594.854	245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815
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3440.62092	3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758
228594.854	245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815
128282.907	146236.019	115923.901	94621.1795	69314.0243	72192.8952	93966.7027	146955.113
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228594.854	245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815
3440.62092	3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758
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228594.854	245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815
3440.62092	3694.0914	2980.17524	2431.37202	2021.1433	1997.9885	2386.31127	3705.98758
100311.947	99199.4136	82078.9422	66919.1777	64970.7364	60553.4606	64579.8183	99270.7017
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228594.854	245435.433	198002.843	161540.357	134284.761	132746.356	158546.521	246225.815
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366
3621.52313	4410.3057	4014.48328	2807.65677	2143.25973	2276.04399	2790.78188	3698.46656
21507.2468	23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537
633597.395	639140.815	595277.915	463907.818	505929.411	465234.394	423385.566	547089.213
24.79914	23.574584	14.719697	20.524197	29.868577	18.733663	8.409168	20.275249
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21507.2468	23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537
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21507.2468	23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366
179235.779	250137.651	192655.868	171382.449	60540.3878	106868.604	164644.432	219263.153
179235.779	250137.651	192655.868	171382.449	60540.3878	106868.604	164644.432	219263.153
0.07	0.2	8.95	1.91	0.25	0.17	1.16	3.53
303216.375	285058.09	277251.443	294470.961	374025.463	357665.97	272229.39	306563.198
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366
21507.2468	23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366
21507.2468	23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537
633597.395	639140.815	595277.915	463907.818	505929.411	465234.394	423385.566	547089.213
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812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366

11.003156	10.986404	11.277009	11.160055	10.960081	11.037869	11.513969	10.965962
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0.401364	0.389146	0.269284	0.338541	0.458392	0.420666	0.272429	0.197636
2266703.76	1928250.51	1940792.25	2099937.35	3382249.41	2902542.53	1861982.92	2068520.53
2097957.86	2018100.48	1728534.27	1915739.1	2564921.3	2360551.49	1518176.14	2071487.27
9302.79134	9977.42894	8788.20857	8314.46571	9535.94118	9262.68673	7141.64375	9947.02357
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2743613.33	2874261.59	2874261.59	2612965.08	2874261.59	2874261.59	2612965.08	3004909.84
0.034629	0.03399	0.035875	0.03646	0.036027	0.034757	0.035911	0.032947
537249.51	545149.93	386488.251	436749.328	643985.587	592924.919	361541.044	288368.013
677739.62	653899.025	617870.906	601681.437	901355.175	797562.239	521956.465	401301.365
2.439829	2.414385	2.559368	2.475385	2.482494	2.451813	2.439005	2.328597
661434.476	680321.994	426552.415	504888.81	727863.983	688874.307	416914.819	291376.32
3847.16843	1457.83722	12521.2335	15827.7866	44093.7615	25180.3408	8145.20282	28434.8418
118855.677	124311.832	104392.251	106316.43	124263.484	124380.353	106327.74	90718.397
353.737133	353.158613	296.568894	332.238843	353.021261	353.353275	332.274187	246.517383
123345.6	129219.2	129219.2	117472	129219.2	129219.2	117472	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
49506.582	50285.164	34796.676	39769.18	59233.166	54358.25	32002.894	26699.254
161.953412	149.231752	152.62991	157.917894	220.838168	185.737375	148.239245	114.036099
28.147037	27.825442	30.409945	29.048288	28.70901	28.471023	29.330929	26.704409
1440767.68	1433867.17	1136086.33	1196197.24	1757715.89	1602846.36	1015091.82	759134.657
1914687.83	1716147.38	1951459.56	1674222.05	2729381.05	2366324.54	2024925.72	952084.11
75804.0938	71264.5225	69312.8607	73699.5555	94170.8317	89416.4925	68189.6896	76640.7995
473920.143	282280.214	815373.224	478024.805	971665.156	763478.183	1009833.9	192949.452

2548285.22	2355288.2	2546737.47	2138129.86	3235310.46	2831558.94	2448311.28	1499173.32
1458.02	1391.6	1027.97	1212.57	1736.13	1567.58	1158.24	1035.33
363820.767	455058.064	366646.726	248499.873	247731	251497.066	253002.86	64509.9582
21.649787	19.827842	20.428018	20.280779	25.093802	22.980134	19.663448	19.779168
239160.434	178396.142	196394.02	356770.986	519696.075	468253.325	195749.828	638412.421
190.41	187.07	259.74	232.85	249.78	250.74	263.69	332.93
142.957453	118.458062	141.487422	174.105546	198.125159	189.670621	169.631096	167.824865
5.638775	4.508281	4.967417	7.315518	5.757785	5.752673	5.591432	8.210582
14,785	11,251	21,710	23,369	25,723	26,101	26,050	30,914
529733.588	614994.37	804510.994	399586.457	381696.11	405842.428	787956.418	78846.2104
7.619673	9.195616	3.301031	5.126316	4.581091	4.302345	2.519584	2.455254
9,995	14,040	8,635	6,207	5,557	5,850	5,570	1,344
28.208632	25.04458	19.205446	25.447929	35.721957	31.427529	16.316297	28.947123
28.155661	24.895168	19.176098	25.357991	35.472203	31.400467	16.299375	28.908855
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61018.7236	60013.723	47603.0975	50330.1795	68448.2383	63315.2326	42139.4915	45726.6957
1858797.42	1839704.34	1532140.25	1558968.11	2045225.22	1892298.16	1322426.31	1433074.85
4715632.73	4770369.53	4192336.48	4406260.07	5345386.23	5120194.54	3629758.53	5099744.07
4425059.57	4333771.3	3584219.51	4363444.6	5483386.2	5182605.44	3037551.94	5659310.28
		0.115702	0.045454			0.022727	0.090909
610628.345	568577.726	498008.27	577792.758	795635.916	743146.888	541228.967	539956.622
4.16	3.79	4.49	3.29	5.53	4.4	4.3	3.62
31458.2665	28807.4346	26125.0294	24575.6193	32350.0622	31608.6137	27935.4173	28483.2408
7519117.38	7388418.13	6892675.59	6734687.29	8861649.2	8217590.51	6238265.86	6725842.87
4775504.05	4514156.54	4018414.01	4121722.21	5987387.62	5343328.92	3625300.79	3720933.03
1339174.1	1334221.02	1044423.32	1106570.25	1629219.16	1486436.55	938871.284	692677.685
71013.8288	74053.8701	56237.825	56537.1506	74005.0091	69165.5215	47709.8534	47070.8077
31458.2665	28807.4346	26125.0294	24575.6193	32350.0622	31608.6137	27935.4173	28483.2408
4775504.05	4514156.54	4018414.01	4121722.21	5987387.62	5343328.92	3625300.79	3720933.03
70135.3214	70838.7138	65537.9827	65051.3748	96146.6688	84801.1989	48285.1193	37973.7314
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366
21507.2468	23768.7061	21441.149	16767.9706	14771.8431	14807.2715	15706.9594	20371.5537
633597.395	639140.815	595277.915	463907.818	505929.411	465234.394	423385.566	547089.213
-179235.78	-250137.65	-192655.87	-171382.45	-60540.388	-106868.6	-164644.43	-219263.15
812833.174	889278.466	787933.783	635290.267	566469.798	572102.998	588029.997	766352.366

2019-11	2019-12	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06
2612965.08	2743613.33	2923715.55	2657923.23	2923715.55	2923715.55	2657923.23	2923715.55
-2612965.1	-2743613.3	-2923715.6	-2657923.2	-2923715.6	-2923715.6	-2657923.2	-2923715.6
-2612965.1	-2743613.3	-2923715.6	-2657923.2	-2923715.6	-2923715.6	-2657923.2	-2923715.6
2612965.08	2743613.33	2923715.55	2657923.23	2923715.55	2923715.55	2657923.23	2923715.55
2612965.08	2743613.33	2923715.55	2657923.23	2923715.55	2923715.55	2657923.23	2923715.55
2612965.08	2743613.33	2923715.55	2657923.23	2923715.55	2923715.55	2657923.23	2923715.55
26.884732	27.431532	42.073335	39.212955	32.359985	29.440025	30.453075	30.214705
0	0	0	0	0	0	0	0
26.758676	27.305476	41.951462	39.091082	32.238112	29.318152	30.331202	30.092832
26.855642	27.402442	42.04521	39.18483	32.33186	29.4119	30.42495	30.18658
26.128394	26.675194	41.342096	38.481716	31.628746	28.708786	29.721836	29.483467
26.409597	26.956397	41.613967	38.753587	31.900617	28.980657	29.993707	29.755337
26.836249	27.383049	42.02646	39.16608	32.31311	29.393151	30.4062	30.16783
26.875035	27.421835	42.06396	39.20358	32.35061	29.43065	30.4437	30.20533
18.695603	18.695603	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515
0.989999	0.99	1.01	1.01	1.01	1.01	1.01	1.01
26.57444	27.12124	41.77334	38.91296	32.05999	29.14003	30.15308	29.91471
4.058142	4.586452	4.910765	4.945346	4.396807	3.933378	3.689392	3.661464
19.755542	20.164102	29.990009	28.085971	23.471613	21.486354	22.141388	21.980147
19.755542	20.164102	29.990009	28.085971	23.471613	21.486354	22.141388	21.980147

		0.27788	0.55576	0.13894		0.6947	0.13894
		0.004532	0.001372	0.000789		0.003241	0.000606
		0.004267	0.001305	0.000681		0.003027	0.000606
		332.45777					117.061767
		1.188759					0.518163
		33.8	9.4	5.4		21.8	4.8
0.031687	0.02488	0.030539	0.033937	0.032159	0.033409	0.030875	0.026732
		469.617199	130.6036	75.0276		302.8892	66.6912
		8955.37253	2490.54739	1430.73999		5775.95033	1271.76888
		0.4046	0.8092	0.2023		1.0115	0.2023
		544.99076	151.565477	87.069529		351.502916	77.395137
6971.85	7371.9	7678.125	6955.65	7665.3	7655.4	6977.7	7708.275
21.787031	21.940178	21.812855	21.736406	21.77642	21.748295	21.805312	21.898508
7200	7560	7920	7200	7920	7920	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
		33.8	9.4	5.4		21.8	4.8
		5.696548	11.45219	2.853577		14.305132	2.839569
		5.696548	11.45219	2.853577		14.305132	2.839569
		9562.80289	2678.20047	1540.93192		6202.86845	1362.99322
		11509.7908	2909.09934	1709.81434		7033.88566	1553.69587
		1946.98794	230.898876	168.882423		831.017215	190.702655
		11509.7908	2909.09934	1709.81434		7033.88566	1553.69587
		4.09	4.7	2.56		6.85	2.13
		9230.34512	2678.20047	1540.93192		6202.86845	1245.93145
		11166.5871	2909.09934	1709.81434		7033.88566	1429.59612
		0.315554	0.8	0.2		1	0.190657
		32.652362	9.4	5.4		21.8	4.385116
		284.677674					283.300905
		5.693553					2.833009
		33.8	9.4	5.4		21.8	4.8
		0.096022	0.029375	0.01534		0.068125	0.013636
		1946.98794	230.898876	168.882423		831.017215	190.702655
		1946.98794	230.898876	168.882423		831.017215	190.702655
		1.147637					0.414883
		332.45777					117.061767
		0.62	0.26	0.12		0.44	0.07
		-1946.9879	-230.89888	-168.88242		-831.01722	-190.70266
		-13113.575	-3139.9982	-1878.6968		-7864.9029	-1620.2988
		0.02					0.01
		460.796	121.9591	65.1946		224.5739	59.2649
		0.03	0.03	0.02		0.06	0.01
		25.9356	25.9356	17.2904		51.8712	8.6452
		9562.80289	2678.20047	1540.93192		6202.86845	1362.99322
		9562.80289	2678.20047	1540.93192		6202.86845	1362.99322
		9500.36329	2642.11287	1517.80952		6127.45325	1349.16402

		33.8	9.4	5.4		21.8	4.8
		25.9356	25.9356	17.2904		51.8712	8.6452
		9562.80289	2678.20047	1540.93192		6202.86845	1362.99322
		36.503999	10.152	5.832		23.544	5.184
4.61531	3.7676	5.6514	6.12235	4.61531	5.46302	2.63732	4.61531
0.075872	0.054747	0.244096	0.222159	0.164596	0.144819	0.202903	0.185413
0.073968	0.053988	0.238551	0.213468	0.158522	0.141534	0.198718	0.179261
9549.91441	22702.6667	88520.9347	57669.3716	20102.9616	12069.7038	33765.4479	38480.7781
41.739844	82.673714	326.634829	220.850118	83.625427	56.706604	164.413238	150.07801
1372.86	1052.12	4870.26	3961.98	3236.4	2889.56	3688.22	3659.8
0.036593	0.024047	0.025653	0.038781	0.03321	0.032613	0.030843	0.037073
12930.9683	9909.91828	45872.9789	37317.8896	30483.6516	27216.7656	34739.3442	34471.6562
54152.3809	47179.4074	217270.362	178692.951	131738.087	110799.66	127864.216	129269.349
1.966512	1.83048	2.590369	2.731918	2.05436	2.313271	1.019081	1.835016
1879.53487	4082.7335	15709.4198	10205.2298	3884.37974	2512.11817	7591.78772	8379.20859
17880.82	19019.36	19892.26	17840.22	19737.98	19750.16	17987.54	19659.1
55.877562	56.605238	56.512102	55.750687	56.073806	56.108409	56.211062	55.849715
18560	19488	20416	18560	20416	20416	18560	20416
58	58	58	58	58	58	58	58
1372.86	1052.12	4870.26	3961.98	3236.4	2889.56	3688.22	3659.8
22.352004	20.539707	28.991363	30.699012	23.10969	26.291875	11.740239	21.111965
22.352004	20.539707	28.991363	30.699012	23.10969	26.291875	11.740239	21.111965
64563.0661	55171.9385	254385.583	208895.598	156484.541	132909.121	155971.898	157264.905
80884.7518	68263.4366	470634.448	376127.742	241944.018	202413.835	376570.661	263993.911
16321.6857	13091.4982	216248.865	167232.143	85459.4768	69504.714	220598.763	106729.006
80884.7518	68263.4366	470634.448	376127.742	241944.018	202413.835	376570.661	263993.911
111.28	93.95	238.62	207.25	175.74	152.08	97.83	141.96
55013.1517	32469.2718	165864.649	151226.227	136381.58	120839.417	122206.45	118784.127
68339.4244	40429.8144	306719.326	272462.244	210796.786	183218.163	292368.962	196219.83
26.68706	16.284053	27.245436	29.764865	25.962638	31.96487	13.66173	23.149812
1173.31282	618.662786	3202.41631	2878.50726	2824.00168	2622.85248	2882.21217	2770.19297
47.847837	52.995797	50.42262	49.341279	49.703866	46.175454	42.116504	43.559139
19.968809	19.446176	28.719379	30.089331	22.360445	20.310129	11.785305	20.442201
1372.86	1052.12	4870.26	3961.98	3236.4	2889.56	3688.22	3659.8
4.290187	3.131309	13.835965	12.381187	9.194318	8.208977	11.525687	10.397159
16321.6857	13091.4982	216248.865	167232.143	85459.4768	69504.714	220598.763	106729.006
16321.6857	13091.4982	216248.865	167232.143	85459.4768	69504.714	220598.763	106729.006
199.547177	433.457213	1667.84369	1083.47274	412.398315	266.707524	806.007826	889.607027
9549.91441	22702.6667	88520.9347	57669.3716	20102.9616	12069.7038	33765.4479	38480.7781
14.61	10.23	23.46	20.43	22.53	22.73	10.52	19.9
-16321.686	-13091.498	-216248.86	-167232.14	-85459.477	-69504.714	-220598.76	-106729.01
-84661.11	-53521.313	-522968.19	-439694.39	-296256.26	-252722.88	-512967.73	-302948.84
0.98	2.45	4.47	3.33	1.53	0.68	0.6	2.04
5401.0348	4927.836	22459.125	17568.6649	12960.1941	10425.0537	12914.7431	15268.1196
0.54	0.45	0.5	0.43	0.54	0.52	0.38	0.64
210.3354	175.2795	198.65	170.839	214.542	206.596	150.974	254.272

64563.0661	55171.9385	254385.583	208895.598	156484.541	132909.121	155971.898	157264.905
64563.0661	55171.9385	254385.583	208895.598	156484.541	132909.121	155971.898	157264.905
54152.3809	47179.4074	217270.362	178692.951	131738.087	110799.66	127864.216	129269.349
1372.86	1052.12	4870.26	3961.98	3236.4	2889.56	3688.22	3659.8
210.3354	175.2795	198.65	170.839	214.542	206.596	150.974	254.272
64563.0661	55171.9385	254385.583	208895.598	156484.541	132909.121	155971.898	157264.905
10200.3498	7817.2516	36916.5708	30031.8084	24531.912	21902.8648	27956.7076	27741.284

10.995923	10.986482	10.974067	10.974234	11.017603	11.034134	11.267261	11.072098
0.638225	0.656067	0.70305	0.691342	0.654727	0.639037	0.550875	0.623506
0.614028	0.639898	0.677834	0.668041	0.63153	0.612795	0.531043	0.600644
494034.059	650743.996	713608.884	628204.262	557852.968	449903.901	467717.428	598586.707
2181.93241	2427.44284	2683.5702	2460.95308	2423.63522	2174.9985	2319.0208	2577.14246
21810.296	23865.666	26484.346	23728.824	24675.164	23943.13	18862.654	23468.4
0.039531	0.025744	0.035142	0.033375	0.036079	0.040426	0.036937	0.035767
237745.269	259888.194	286618.711	257146.297	268672.331	261274.054	208952.219	256756.096
234368.339	256299.468	289548.156	259915.66	271508.47	264672.723	211188.129	259422.799
2.476	2.476	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467
353289.47	386193.856	440446.973	395156.714	412868.771	401499.838	321096.875	394557.093
34115.85	36335.85	37698.93	34334.52	37662.3	37492.47	34207.98	37674.51
106.612031	108.14241	107.099232	107.295375	106.99517	106.512698	106.899937	107.029857
35520	37296	39072	35520	39072	39072	35520	39072
111	111	111	111	111	111	111	111
21810.296	23865.666	26484.346	23728.824	24675.164	23943.13	18862.654	23468.4
28.968373	28.882633	29.662275	29.691949	29.820555	29.883467	30.536791	29.976912
28.660519	28.637386	29.409021	29.407295	29.5191	29.558126	30.15529	29.657762
624478.282	681577.167	774176.754	695690.477	726606.771	708099.221	565492.139	694294.365
684143.936	762882.629	1386520.7	1183572.03	984975.271	861773.631	874258.874	892222.007
59665.6542	81305.462	612343.947	487881.55	258368.5	153674.41	308766.735	197927.642
684143.936	762882.629	1386520.7	1183572.03	984975.271	861773.631	874258.874	892222.007
307.35	327.35	339.63	309.32	339.3	337.77	308.18	339.41
124812.473	25877.23	55053.3901	61512.195	162550.013	251225.631	92107.0516	89657.0486
173239.009	35607.0443	125217.197	126731.19	287228.479	396165.01	258859.136	147649.579
35.459975	16.280665	18.547272	20.373242	34.920849	47.146889	25.538941	25.502044
4535.75002	941.451151	1937.15323	2165.84982	5737.00236	8812.49086	3248.23705	3160.5997
22.572708	24.669621	24.204909	23.279009	22.581453	21.914806	15.39037	21.360567
22.467897	24.651949	24.193962	23.261288	22.464193	21.608897	15.320314	21.273961
21810.296	23865.666	26484.346	23728.824	24675.164	23943.13	18862.654	23468.4
68.157175	71.028767	75.239619	74.152575	70.099897	68.020255	58.945793	66.67159
-64603.798	-54538.097	462528.347	353471.181	117933.473	17106.4618	199547.41	63721.2309
-64603.798	-54538.097	462528.347	353471.181	117933.473	17106.4618	199547.41	63721.2309
17274.546	22924.2148	24547.1928	21562.9742	18938.1616	15130.6391	15614.417	20307.8003
494034.059	650743.996	713608.884	628204.262	557852.968	449903.901	467717.428	598586.707
94.44	41.66	45.09	49	86.37	103.34	18.85	52.79
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-232904.66	-116912.51	-737561.14	-614612.74	-545596.98	-549839.42	-567625.87	-345577.22

178.5	260.01	205.64	186.38	189.5	177.93	219.57	216.74
66594.5838	85485.1939	87818.8327	76677.1762	75546.3733	67476.8671	60296.6249	76166.6207
0.75	0.66	0.72	0.78	0.81	0.91	0.74	0.79
5631.75	4955.94	5514.48	5974.02	6203.79	6969.69	5667.66	6050.61
748747.734	817420.726	923992.354	830100.846	867041.798	844667.169	674711.464	828500.776
748747.734	817420.726	923992.354	830100.846	867041.798	844667.169	674711.464	828500.776
587657.809	642493.324	729995.129	655072.374	684377.241	666172.562	532285.004	653979.891
21810.296	23865.666	26484.346	23728.824	24675.164	23943.13	18862.654	23468.4
5631.75	4955.94	5514.48	5974.02	6203.79	6969.69	5667.66	6050.61
748747.734	817420.726	923992.354	830100.846	867041.798	844667.169	674711.464	828500.776
31188.7233	34127.9024	38667.1452	34644.083	36025.7394	34956.9698	27539.4748	34263.864
					0.01	0.01	0.07
		0.3	0.6	0.15		0.75	0.15
		0.003011	0.00073	0.000511		0.002311	0.000482
		0.003011	0.000718	0.000511		0.002125	0.000482
		3.18	0.69	0.54		2.04	0.51
0.024031	0.041011	0.028522	0.020843	0.017642	0.030681	0.030593	0.027215
		47.7	10.35	8.1		30.6	7.65
		909.615895	197.369486	154.463076		583.527177	145.881794
		0.4046	0.8092	0.2023		1.0115	0.2023
		55.355849	12.011175	9.40005		35.5113	8.877825
936.93	966.66	1025.88	939.99	1037.37	1023.6	930.63	1027.26
2.927906	2.876964	2.914431	2.937468	2.947073	2.907954	2.908218	2.918352
960	1008	1056	960	1056	1056	960	1056
3	3	3	3	3	3	3	3
		3.18	0.69	0.54		2.04	0.51
		6.069004	12.138009	3.034502		15.172511	3.034502
		6.069004	12.138009	3.034502		15.172511	3.034502
		964.971745	209.380661	163.863126		619.038477	154.759619
		1169.82051	224.303934	179.257727		693.427726	171.811477
		204.848762	14.923273	15.394601		74.389248	17.051858
		1169.82051	224.303934	179.257727		693.427726	171.811477
		1.06	0.23	0.18		0.68	0.17
		964.971745	209.380661	163.863126		619.038477	154.759619
		1169.82051	224.303934	179.257727		693.427726	171.811477
		0.06	0.12	0.03		0.15	0.03
		3.18	0.69	0.54		2.04	0.51
		3.18	0.69	0.54		2.04	0.51
		0.009034	0.002156	0.001534		0.006375	0.001448
		204.848762	14.923273	15.394601		74.389248	17.051858
		204.848762	14.923273	15.394601		74.389248	17.051858

		-204.84876	-14.923273	-15.394601		-74.389248	-17.051858
		-1374.6693	-239.22721	-194.65233		-767.81697	-188.86334
		289.6324	59.5555	44.1849		139.7626	42.0759
		0.21	0.11	0.13		0.17	0.06
		964.971745	209.380661	163.863126		619.038477	154.759619
		964.971745	209.380661	163.863126		619.038477	154.759619
		964.971745	209.380661	163.863126		619.038477	154.759619
		3.18	0.69	0.54		2.04	0.51
		964.971745	209.380661	163.863126		619.038477	154.759619
11.559602	11.525067	11.532082	11.547883	11.509233	11.546317	12.026322	11.591386
0.704763	0.711607	0.757159	0.74929	0.741582	0.729025	0.576584	0.711559
0.671042	0.585766	0.724457	0.712197	0.709765	0.694627	0.356487	0.679517
230030.663	210294.354	243744.424	218145.602	239317.07	234762.826	112719.749	230386.552
1021.12091	781.781269	918.930172	857.088279	1048.03699	1141.25088	560.241962	1003.2035
9233.55	8463.16	10965.39	9799.84	10743.01	10513.88	4905.27	10285.17
0.0495	0.040208	0.044119	0.051	0.04338	0.048153	0.0465	0.04642
105530.913	96503.3802	124261.365	111167.129	122004.182	119626.625	57498.6618	117449.376
104154.27	95160.1081	125381.456	112264.869	123126.178	120854.991	58110.6551	118587.368
2.1015	2.1015	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787
117297.609	107263.507	107945.848	96570.8848	105985.033	103919.65	49949.0875	102028.273
13078.88	11894.23	14468.21	13058.24	14479.39	14407.15	8480.46	14433.38
40.8715	35.399494	41.102869	40.807	41.13463	40.929403	26.501437	41.00392
13760	14448	15136	13760	15136	15136	13760	15136
43	43	43	43	43	43	43	43
9233.55	8463.16	10965.39	9799.84	10743.01	10513.88	4905.27	10285.17
25.708712	25.532631	23.040653	23.093975	23.005165	23.132022	24.268892	23.168059
25.228764	25.158097	22.619263	22.646194	22.572716	22.64197	23.544665	22.729928
233753.309	213080.025	247532.934	221744.687	243181.35	239043.843	115447.476	234099.292
277631.844	257695.041	548759.114	457914.629	399460.339	354991.494	217267.554	363831.082
43878.5349	44615.0158	301226.179	236169.942	156278.988	115947.651	101820.078	129731.79
277631.844	257695.041	548759.114	457914.629	399460.339	354991.494	217267.554	363831.082
304.16	276.61	336.47	303.68	336.73	334.77	197.22	335.66
8.418555							
14.137636							
0.157363							
0.341681							
23.787942	25.508146	24.820907	28.372413	24.822809	25.984581	15.249635	21.818185
23.549496	16.325213	6.205226	5.390758	5.957474	5.976453	2.287445	3.927273
9233.55	8463.16	10965.39	9799.84	10743.01	10513.88	4905.27	10285.17
28.854843	25.187976	31.151676	30.6245	30.519914	29.868977	15.328968	29.219232
-11282.473	-5827.301	236274.764	178062.884	92507.4025	53418.8141	71765.5274	68341.0012
-11282.473	-5827.301	236274.764	178062.884	92507.4025	53418.8141	71765.5274	68341.0012

9233.20832	8463.16	10965.39	9799.84	10743.01	10513.88	4905.27	10285.17
230030.663	210294.354	243744.424	218145.602	239317.07	234762.826	112719.749	230386.552
-43878.535	-44615.016	-301226.18	-236169.94	-156278.99	-115947.65	-101820.08	-129731.79
-43892.673	-44615.016	-301226.18	-236169.94	-156278.99	-115947.65	-101820.08	-129731.79
20.55	12.22	2.85	2.33	2.7	2.9	1.6	2.14
	0.142857					0.35	
65976.4044	70820.4758	86288.1515	74619.6434	74174.5687	66262.1126	37271.4049	74755.1774
1	0.75	1	0.95	1.02	1.13	0.72	0.98
3714.228	2785.671	3788.51	3599.0845	3864.2802	4281.0163	2727.7272	3712.7398
288914.317	263522.342	312484.35	279851.745	306952.936	301572.68	145502.027	295490.081
288914.317	263522.342	312484.35	279851.745	306952.936	301572.68	145502.027	295490.081
221451.88	202423.615	233327.304	208835.754	229111.211	224774.64	108059.743	220615.641
9233.55	8463.16	10965.39	9799.84	10743.01	10513.88	4905.27	10285.17
3714.228	2785.671	3788.51	3599.0845	3864.2802	4281.0163	2727.7272	3712.7398
288914.317	263522.342	312484.35	279851.745	306952.936	301572.68	145502.027	295490.081
8587.2015	7870.7388	10417.1205	9309.848	10205.8595	9988.186	4660.0065	9770.9115
		0.3	0.6	0.15		0.75	0.15
		0.003011	0.000751	0.000451		0.002474	0.00012
		0.003011	0.000718	0.000369		0.002437	0.000085
		3.18	0.69	0.39		2.34	0.09
0.031031	0.022589	0.037357	0.026593	0.037386	0.02463	0.027531	0.045539
		47.7	10.35	5.85		35.1	1.35
		909.615895	197.369486	111.556666		669.339998	25.743846
		0.4046	0.8092	0.2023		1.0115	0.2023
		55.355849	12.011175	6.788925		40.73355	1.566675
930.21	985.23	1016.55	934.47	1016.52	1029.99	933.57	1007.91
2.906906	2.932232	2.887926	2.920218	2.88784	2.926107	2.917406	2.86338
960	1008	1056	960	1056	1056	960	1056
3	3	3	3	3	3	3	3
		3.18	0.69	0.39		2.34	0.09
		6.069004	12.138009	3.034502		15.172511	3.034502
		6.069004	12.138009	3.034502		15.172511	3.034502
		964.971745	209.380661	118.345591		710.073548	27.310521
		1169.82051	224.303934	128.591664		792.547608	28.425525
		204.848762	14.923273	10.246073		82.47406	1.115004
		1169.82051	224.303934	128.591664		792.547608	28.425525
		1.06	0.23	0.13		0.78	0.03
		964.971745	209.380661	118.345591		710.073548	27.310521
		1169.82051	224.303934	128.591664		792.547608	28.425525
		0.06	0.12	0.03		0.15	0.03
		3.18	0.69	0.39		2.34	0.09

		3.18	0.69	0.39	2.34	0.09	
		0.009034	0.002156	0.001107	0.007312	0.000255	
		204.848762	14.923273	10.246073	82.47406	1.115004	
		204.848762	14.923273	10.246073	82.47406	1.115004	
		-204.84876	-14.923273	-10.246073	-82.47406	-1.115004	
		-1374.6693	-239.22721	-138.83774	-875.02167	-29.54053	
		289.6324	59.5555	31.539	160.6102	6.756	
		0.21	0.11	0.1	0.2	0.02	
		964.971745	209.380661	118.345591	710.073548	27.310521	
		964.971745	209.380661	118.345591	710.073548	27.310521	
		964.971745	209.380661	118.345591	710.073548	27.310521	
		3.18	0.69	0.39	2.34	0.09	
		964.971745	209.380661	118.345591	710.073548	27.310521	
4.076419	2.666367	7.388597	7.825048	5.950802	5.230481	3.73399	5.560465
0.022579	0.014128	0.154006	0.134735	0.085092	0.069956	0.159775	0.111258
0.022225	0.01388	0.148715	0.129037	0.082312	0.067375	0.155343	0.106232
1264.90124	1432.36384	19048.8083	9425.38557	3311.80486	1778.12868	5461.33932	7733.56525
5.487702	5.351295	69.80846	35.937511	13.674643	8.456963	26.035754	30.108543
355.6	233.2	2617.4	2064.6	1448.7	1185.8	2485.5	1869.7
0.034296	0.029523	0.028721	0.035578	0.028224	0.032372	0.031515	0.029957
5049.2	3300.8	37790.2	29787	20813.1	17030.2	35970.3	26910.5
21620.6491	15965.0326	177404.027	140602.1	87565.698	68510.4793	132937.542	100512.451
1.145492	0.876086	2.102926	2.200496	1.667202	1.485269	0.944795	1.462589
272.891038	282.6422	3936.7578	2044.63804	755.872737	461.337426	1517.66564	2046.60279
15466.4	16272.8	17051.6	15394	17094.7	17008.8	15554.7	17105.9
48.3325	48.430952	48.442045	48.10625	48.564488	48.320454	48.608437	48.596306
16000	16800	17600	16000	17600	17600	16000	17600
50	50	50	50	50	50	50	50
355.6	233.2	2617.4	2064.6	1448.7	1185.8	2485.5	1869.7
21.185385	14.299937	52.458011	57.762814	39.122924	32.409666	26.254857	39.997699
16.38969	12.595432	30.122484	31.545631	23.817952	21.187831	13.675282	21.058778
21708.7461	16044.7556	178205.541	141105.537	87888.989	68779.2733	133680.323	101009.652
26271.6038	18996.7791	306898.341	238252.731	132547.727	103889.465	286629.86	160496.111
4562.85768	2952.02348	128692.8	97147.1945	44658.7381	35110.1921	152949.537	59486.4592
26271.6038	18996.7791	306898.341	238252.731	132547.727	103889.465	286629.86	160496.111
70.16	60.21	284.9	270.25	200.61	140.83	153.6	207.59
20443.8449	14612.3918	159156.732	131680.151	84577.1841	67001.1446	128218.984	93276.0865
24623.7345	17357.0849	272738.186	223565.345	127268.436	100945.729	275182.106	148315.093
6.041051	3.746745	11.315035	12.345932	9.271292	8.149154	6.126608	8.974074
336.137912	213.075557	2340.02702	1920.581	1394.91497	1153.16988	2378.87707	1724.99959
58.451371	67.818421	68.448286	68.736007	62.504526	60.693906	57.197668	58.997355
5.260623	9.494578	24.553642	26.119683	15.626131	7.890207	12.48527	18.85232

355.6	233.2	2617.4	2064.6	1448.7	1185.8	2485.5	1869.7
1.11125	0.694047	7.435795	6.451875	4.115625	3.36875	7.767187	5.311647
4562.85768	2952.02348	128692.8	97147.1945	44658.7381	35110.1921	152949.537	59486.4592
4562.85768	2952.02348	128692.8	97147.1945	44658.7381	35110.1921	152949.537	59486.4592
19.462087	20.124442	277.372982	144.019002	53.78503	32.630116	106.622928	144.700407
1264.90124	1432.36384	19048.8083	9425.38557	3311.80486	1778.12868	5461.33932	7733.56525
5.15	3.02	41.21	33.62	23.06	19.11	40.82	29.17
-4562.8577	-2952.0235	-128692.8	-97147.194	-44658.738	-35110.192	-152949.54	-59486.459
-29186.592	-20309.108	-401430.99	-320712.54	-171927.17	-136055.92	-428131.64	-207801.55
0.05	0.17	1.66	0.98	0.23	0.17	0.77	0.84
2443.0337	1820.0507	25195.6026	19001.9364	11513.5472	8456.4614	18646.7834	15930.2943
0.13	0.13	0.62	0.29	0.24	0.19	0.49	0.38
63.081	67.003	388.738	185.701	132.023	114.354	320.393	232.709
21708.7461	16044.7556	178205.541	141105.537	87888.989	68779.2733	133680.323	101009.652
21708.7461	16044.7556	178205.541	141105.537	87888.989	68779.2733	133680.323	101009.652
21620.6491	15965.0326	177404.027	140602.1	87565.698	68510.4793	132937.542	100512.451
355.6	233.2	2617.4	2064.6	1448.7	1185.8	2485.5	1869.7
63.081	67.003	388.738	185.701	132.023	114.354	320.393	232.709
21708.7461	16044.7556	178205.541	141105.537	87888.989	68779.2733	133680.323	101009.652
25.016	12.72	412.776	317.736	191.268	154.44	422.388	264.492
		0.3	0.6	0.15		0.75	0.15
		0.003011	0.000718	0.000511		0.002504	0.000482
		0.003011	0.000718	0.000511		0.0025	0.000482
		4.24	0.92	0.72		3.2	0.68
0.019562	0.030684	0.031846	0.025656	0.024318	0.020284	0.031125	0.03196
		63.6	13.8	10.8		48	10.2
		1212.82119	263.159315	205.950768		915.336749	194.509059
		0.4046	0.8092	0.2023		1.0115	0.2023
		73.8078	16.0149	12.5334		55.704	11.8371
1254.96	1302.76	1363.16	1247.16	1373.76	1379.44	1240.16	1363
3.92175	3.877261	3.872613	3.897375	3.902727	3.918863	3.8755	3.872159
1280	1344	1408	1280	1408	1408	1280	1408
4	4	4	4	4	4	4	4
		4.24	0.92	0.72		3.2	0.68
		6.069004	12.138009	3.034502		15.172511	3.034502
		6.069004	12.138009	3.034502		15.172511	3.034502
		1286.62899	279.174215	218.484168		971.040749	206.346159
		1559.76068	299.071913	239.010303		1081.19848	229.08197
		273.131683	19.897697	20.526134		110.157726	22.73581
		1559.76068	299.071913	239.010303		1081.19848	229.08197
		1.06	0.23	0.18		0.8	0.17
		1286.62899	279.174215	218.484168		971.040749	206.346159
		1559.76068	299.071913	239.010303		1081.19848	229.08197

		0.08	0.16	0.04	0.2		0.04
		4.24	0.92	0.72	3.2		0.68
		4.24	0.92	0.72	3.2		0.68
		0.012045	0.002875	0.002045	0.01		0.001931
		273.131683	19.897697	20.526134	110.157726		22.73581
		273.131683	19.897697	20.526134	110.157726		22.73581
		1.05	0.21	0.17	0.75		0.16
		-273.13168	-19.897697	-20.526134	-110.15773		-22.73581
		-1832.8924	-318.96961	-259.53644	-1191.3562		-251.81778
		289.6324	59.5555	44.1849	164.4942		42.0759
		0.21	0.11	0.13	0.21		0.06
		1286.62899	279.174215	218.484168	971.040749		206.346159
		1286.62899	279.174215	218.484168	971.040749		206.346159
		1286.62899	279.174215	218.484168	971.040749		206.346159
		4.24	0.92	0.72	3.2		0.68
		1286.62899	279.174215	218.484168	971.040749		206.346159
10.340237	10.326861	10.412265	10.413552	10.422166	10.44876	10.803106	10.49507
0.58566	0.599719	0.606407	0.595092	0.570845	0.550733	0.410908	0.526397
0.552	0.565414	0.569108	0.558919	0.536531	0.518791	0.270161	0.499533
245429.743	263335.968	292580.771	261637.69	277270.933	267740.866	129290.464	259569.429
1088.40545	982.843941	1103.34444	1027.92588	1213.13593	1299.89397	641.915315	1120.10136
10351.12	11132.792	11739.118	10480.852	11067.14	10701.206	5066.072	10303.97
0.057781	0.062648	0.06321	0.061718	0.057727	0.060113	0.061937	0.053409
105702.642	113446.711	119386.339	106780.968	113148.611	109567.695	52927.7063	105880.395
104176.598	111723.264	120473.683	107711.499	114192.292	111015.51	53336.667	107032.656
2.2803	2.2803	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044
136388.118	146380.291	166472.312	148895.382	157774.423	152781.195	73802.3937	147639.622
17668.486	18456.07	19323.35	17594.65	19436.448	19387.224	12342.332	19525.52
55.214018	54.928779	54.89588	54.983281	55.217181	55.07734	38.569787	55.470227
18752	19689.6	20627.2	18752	20627.2	20627.2	18752	20627.2
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
10351.12	11132.792	11739.118	10480.852	11067.14	10701.206	5066.072	10303.97
26.829999	27.064167	29.201526	28.803239	28.242003	28.294751	30.466728	28.201895
24.052542	24.024754	25.517828	25.519015	25.539191	25.602047	26.455768	25.715648
267838.647	286755.8	319562.446	284151.062	299620.456	289556.22	142803.826	280069.262
335264.792	362032.07	646379.172	547122.601	462738.203	404819.34	273722.673	419794.893
67426.1447	75276.2704	326816.727	262971.539	163117.747	115263.12	130918.847	139725.63
335264.792	362032.07	646379.172	547122.601	462738.203	404819.34	273722.673	419794.893
301.51	314.95	329.75	300.25	331.68	329.77	210.62	333.2
				8.00878	1192.4182	280.310719	48.754827
				13.368845	1849.9415	580.099312	72.390275

				0.129457	4.627005	2.035835	0.737768
				0.327977	48.155466	11.494008	1.957434
24.932223	24.438705	29.133305	27.419712	25.416665	23.380032	17.448774	22.72672
11.718145	8.064772	17.771316	17.822812	18.553678	21.030914	12.549545	17.725442
10351.12	11132.792	11739.118	10480.852	11067.14	10701.206	5066.072	10303.97
32.34725	33.133309	33.349767	32.752662	31.440738	30.401153	15.831475	29.272642
12175.374	15977.6745	264413.487	207157.127	103974.968	57992.0856	103253.535	84381.9482
12175.374	15977.6745	264413.487	207157.127	103974.968	57992.0856	103253.535	84381.9482
10351.12	11132.792	11739.118	10480.852	11066.812	10653.0505	5054.57799	10302.0126
245429.743	263335.968	292580.771	261637.69	277270.933	267740.866	129290.464	259569.429
				0.03	0.42	0.04	0.03
-67426.145	-75276.27	-326816.73	-262971.54	-163117.75	-115263.12	-130918.85	-139725.63
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2.07	3.5	12.6	12.41	16.26	16.5	9.1	15.59
						0.3	
61175.3564	75178.4969	77675.3083	68498.7197	68823.925	61569.1715	38324.3205	69908.6581
1.33	1.39	1.57	1.31	1.3	1.2	0.77	1.19
22408.904	23419.832	26981.6746	22513.3718	22341.514	20622.936	13233.0506	20451.0782
323089.418	346054.396	381965.685	339965.474	358763.235	346827.254	170469.138	335412.945
323089.418	346054.396	381965.685	339965.474	358763.235	346827.254	170469.138	335412.945
240564.716	258103.556	286945.994	256606.881	271966.715	263796.705	127139.061	254672.279
10351.12	11132.792	11739.118	10480.852	11067.14	10701.206	5066.072	10303.97
22408.904	23419.832	26981.6746	22513.3718	22341.514	20622.936	13233.0506	20451.0782
323089.418	346054.396	381965.685	339965.474	358763.235	346827.254	170469.138	335412.945
4865.0264	5232.41224	5634.77664	5030.80896	5312.2272	5136.57888	2431.71456	4945.9056

2.25	1.35	6.3	7.35	5.55	4.2	3.75	5.4
0.01772	0.010558	0.146114	0.126739	0.07725	0.063372	0.156681	0.105854
0.016843	0.010535	0.144403	0.122656	0.075681	0.06071	0.150343	0.102982
125.484029	125.044544	2853.76083	1531.39615	438.688407	242.606601	1093.63981	1211.36992
0.528989	0.466151	10.527722	5.88906	1.776585	1.162679	5.195378	4.656861
75.46	49.56	711.62	549.5	372.96	299.18	673.54	507.5
0.022156	0.020386	0.019971	0.0285	0.03375	0.035142	0.032593	0.026931
1131.9	743.4	10674.3	8242.5	5594.4	4487.7	10103.1	7612.5
4847.17698	3627.75661	50348.3305	39003.0599	23748.6924	18014.488	37324.526	28390.5584
0.606239	0.417189	1.729921	1.970347	1.478003	1.143084	0.911382	1.347917
26.433887	22.166129	606.705084	332.061768	99.990929	65.935858	305.261525	321.495073
4380.74	4608.1	4829.58	4352.32	4761.68	4754.82	4333.98	4795.28
13.689812	13.714583	13.720397	13.601	13.5275	13.508011	13.543687	13.622954
4480	4704	4928	4480	4928	4928	4480	4928
14	14	14	14	14	14	14	14
75.46	49.56	711.62	549.5	372.96	299.18	673.54	507.5
9.147133	6.737334	26.478581	29.666362	22.725867	17.438396	13.799004	20.62083
9.147133	6.737334	26.478581	29.666362	22.725867	17.438396	13.799004	20.62083
4878.67698	3690.75661	50652.8305	39076.5599	23874.6924	18119.488	37534.526	28558.5584
5844.97825	4291.21883	85936.3383	64483.7371	35827.8192	27257.7023	79080.0872	45167.2748

966.301263	600.462213	35283.5079	25407.1772	11953.1268	9138.2144	41545.5612	16608.7164
5844.97825	4291.21883	85936.3383	64483.7371	35827.8192	27257.7023	79080.0872	45167.2748
53.03	51.03	149.9	144.62	117.92	99.67	95.51	117.96
4753.19295	3565.71207	47799.0697	37545.1638	23436.004	17876.8813	36440.8862	27347.1885
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2.094887	1.25213	5.839481	6.797645	5.057537	3.914851	3.486823	4.863839
73.69774	48.082258	671.172994	527.362548	366.293938	294.784276	653.189231	486.066995
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75.46	49.56	711.62	549.5	372.96	299.18	673.54	507.5
0.235812	0.1475	2.021647	1.717187	1.059545	0.849943	2.104812	1.441761
966.301263	600.462213	35283.5079	25407.1772	11953.1268	9138.2144	41545.5612	16608.7164
966.301263	600.462213	35283.5079	25407.1772	11953.1268	9138.2144	41545.5612	16608.7164
1.762259	1.477741	40.447005	22.137451	6.666061	4.395723	20.350768	21.433004
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0.04	0.05	0.5	0.32	0.18	0.12	0.32	0.39
1241.105	955.2008	13611.12	10122.6508	6203.3915	4475.1437	9811.7275	8850.2038
0.03	0.06	0.29	0.07	0.12	0.1	0.2	0.16
31.5	63	304.5	73.5	126	105	210	168
4878.67698	3690.75661	50652.8305	39076.5599	23874.6924	18119.488	37534.526	28558.5584
4878.67698	3690.75661	50652.8305	39076.5599	23874.6924	18119.488	37534.526	28558.5584
4847.17698	3627.75661	50348.3305	39003.0599	23748.6924	18014.488	37324.526	28390.5584
75.46	49.56	711.62	549.5	372.96	299.18	673.54	507.5
31.5	63	304.5	73.5	126	105	210	168
4878.67698	3690.75661	50652.8305	39076.5599	23874.6924	18119.488	37534.526	28558.5584

10.9603	10.924619	11.048826	11.041924	11.030715	11.041707	11.419763	11.119443
0.382984	0.381697	0.462256	0.449702	0.415317	0.400005	0.346671	0.403441
0.367737	0.363178	0.444458	0.430717	0.398937	0.383323	0.303992	0.387718
980434.764	1148634.39	1360690.04	1176613.71	1098294.43	966498.032	750048.068	1136085.46
4339.21531	4280.55921	5114.00459	4608.64393	4783.8848	4682.4696	3716.82245	4885.8089
43198.886	44796.498	57432.534	50597.296	51550.424	49532.756	35710.636	50100.62
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468090.892	483792.404	625232.511	550606.887	560816.053	539203.04	400607.92	549166.414
523319.414	529955.037	992413.44	841338.584	753782.128	693867.852	628705.89	744853.084
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352.141018	348.848095	353.260355	352.035062	353.02684	351.957539	321.840787	353.125383
117472	123345.6	129219.2	117472	129219.2	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43198.886	44796.498	57432.534	50597.296	51550.424	49532.756	35710.636	50100.62

134.191608	123.056413	213.735974	247.583571	177.983291	157.45018	196.889182	175.020438
27.444325	27.369786	29.90348	29.652863	28.593014	28.312028	30.263127	28.681057
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1410041.91	1474161.17	3460537.31	2871130.25	2259750.05	1955145.47	2117130.77	2147488.29
192821.179	217840.732	1623241.84	1277090.19	720051.627	498638.301	957697.559	650440.85
1410041.91	1474161.17	3460537.31	2871130.25	2259750.05	1955145.47	2117130.77	2147488.29
1147.49	1124.1	1686.54	1540.76	1505.03	1394.89	1072.07	1478.28
205031.081	76524.6057	440320.758	385339.872	408994.414	458135.492	387756.704	330747.553
271898.849	97543.123	800746.824	688576.394	662686.055	709042.211	913555.326	537229.336
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26.483843	29.573575	34.759146	32.970712	29.938067	26.034376	18.751924	28.136505
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43198.886	44796.498	57432.534	50597.296	51550.424	49532.756	35710.636	50100.62
134.996518	133.32291	163.160607	158.11655	146.450068	140.718056	111.595737	142.331306
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980434.764	1148634.39	1360690.04	1176613.71	1098294.43	966498.032	750048.068	1136085.46
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202.19	278.4	227.74	205.75	210.4	198.3	231.96	237.75
	0.012987					0.05909	
202831.518	239187.254	314377.833	266789.417	249407.103	218664.81	177955.045	261029.247
3.78	3.44	5.36	4.19	4.41	4.05	3.94	4.29
32059.7984	31466.7255	37202.4882	32542.4519	32899.4396	32299.5923	22361.676	30878.0542
1451901.96	1501904.91	2114465.72	1842371.9	1803047.82	1712874.99	1326372.4	1747988.33
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43198.886	44796.498	57432.534	50597.296	51550.424	49532.756	35710.636	50100.62
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54866.317	55061.025	92084.8931	79344.4364	76272.8381	72139.0395	63033.8355	76991.6411
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1943573.89	2474484.47	3950256.57	3214865.51	2626050.52	2142606.64	1977399.66	2516666.89
306282.273	549967.193	373642.298	308541.493	288296.941	189433.348	190869.29	349203.554
1349.43105	2042.38377	1401.15861	1208.49293	1246.85495	915.480561	941.004751	1478.88911
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72279.0515	90027.7336	93473.6138	81525.8223	80671.9089	72540.6723	64546.0541	81417.7289
306282.273	549967.193	373642.298	308541.493	288296.941	189433.348	190869.29	349203.554
201.91	277.3	226.69	204.68	209.85	197.95	237.73	237.19
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1943573.89	2474484.47	3950256.57	3214865.51	2626050.52	2142606.64	1977399.66	2516666.89
2249856.16	3024451.66	4323898.87	3523407	2914347.46	2332039.98	2168268.95	2865870.44
72279.0515	90027.7336	93473.6138	81525.8223	80671.9089	72540.6723	64546.0541	81417.7289
1943573.89	2474484.47	3950256.57	3214865.51	2626050.52	2142606.64	1977399.66	2516666.89
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306282.273	549967.193	373642.298	308541.493	288296.941	189433.348	190869.29	349203.554
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72279.0515	90027.7336	93473.6138	81525.8223	80671.9089	72540.6723	64546.0541	81417.7289
306282.273	549967.193	373642.298	308541.493	288296.941	189433.348	190869.29	349203.554
201.91	277.3	226.69	204.68	209.85	197.95	237.73	237.19
157.233091	192.953019	169.222007	164.363476	143.45015	124.970772	137.35663	169.170371
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1943573.89	2474484.47	3950256.57	3214865.51	2626050.52	2142606.64	1977399.66	2516666.89
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182136.978	195008.228	224130.799	203639.284	231064.878	249087.884	208652.99	185277.854
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182136.978	195008.228	224130.799	203639.284	231064.878	249087.884	208652.99	185277.854
182136.978	195008.228	224130.799	203639.284	231064.878	249087.884	208652.99	185277.854
6124.30996	6557.1025	7128.84221	6477.07646	7349.39181	7922.64263	6636.5455	5893.06152
164171.296	179043.498	298385.845	251921.83	237521.266	232133.888	200149.106	176953.654
-17965.682	-15964.73	74255.0456	48282.546	6456.38802	-16953.996	-8503.8844	-8324.1998
182136.978	195008.228	224130.799	203639.284	231064.878	249087.884	208652.99	185277.854

186292.875	199433.794	226107.872	205468.66	233077.057	251524.573	210563.531	186515.127
827.786944	746.924323	853.895467	809.081835	1022.01535	1224.41503	1047.01839	820.452939
6879.35286	7364.61571	8009.48891	7278.37973	8256.36049	8909.83257	7458.85692	6606.9829
184423.821	201092.717	335239.936	283112.874	266878.145	261071.371	224997.127	198322.667
22.08307	28.285448	37.615099	28.491102	22.082078	23.621657	13.044845	27.347946
1.324984	1.979981	1.504603	0.854733	0.662462	1.653516	5.87018	1.093917
6879.35286	7364.61571	8009.48891	7278.37973	8256.36049	8909.83257	7458.85692	6606.9829
21.497977	21.918499	22.754229	22.744936	23.455569	25.312024	23.308927	18.769837
-1869.0546	1658.92357	109132.064	77644.2142	33801.088	9546.79755	14433.5962	11807.5392
-1869.0546	1658.92357	109132.064	77644.2142	33801.088	9546.79755	14433.5962	11807.5392
6879.35286	7364.61571	8009.48891	7278.37973	8256.36049	8909.83257	7458.85692	6606.9829
186292.875	199433.794	226107.872	205468.66	233077.057	251524.573	210563.531	186515.127
1869.05461	-1658.9236	-109132.06	-77644.214	-33801.088	-9546.7976	-14433.596	-11807.539
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0.48	0.4	0.31	0.19	0.23	0.54	6.18	0.22
72279.0515	90027.7336	93473.6138	81525.8223	80671.9089	72540.6723	64546.0541	81417.7289
186292.875	199433.794	226107.872	205468.66	233077.057	251524.573	210563.531	186515.127
186292.875	199433.794	226107.872	205468.66	233077.057	251524.573	210563.531	186515.127
6879.35286	7364.61571	8009.48891	7278.37973	8256.36049	8909.83257	7458.85692	6606.9829
186292.875	199433.794	226107.872	205468.66	233077.057	251524.573	210563.531	186515.127
186292.875	199433.794	226107.872	205468.66	233077.057	251524.573	210563.531	186515.127
6879.35286	7364.61571	8009.48891	7278.37973	8256.36049	8909.83257	7458.85692	6606.9829
184423.821	201092.717	335239.936	283112.874	266878.145	261071.371	224997.127	198322.667
-1869.0546	1658.92357	109132.064	77644.2142	33801.088	9546.79755	14433.5962	11807.5392
186292.875	199433.794	226107.872	205468.66	233077.057	251524.573	210563.531	186515.127

115888.952	151393.074	165133.001	131630.991	168521.005	169755.299	133728.097	165653.007
514.930486	567.000589	622.761589	517.709819	740.924911	828.971207	665.082216	726.872503
2262.13062	2955.16444	3223.36523	2569.41227	3289.49845	3313.59163	2610.3474	3233.51566
60916.7619	81045.5296	134186.392	97132.4981	108101.674	95636.8357	75502.7111	96804.7531
2262.13062	2955.16444	3223.36523	2569.41227	3289.49845	3313.59163	2610.3474	3233.51566

7.069158	8.795132	9.157287	8.029413	9.345166	9.413612	8.157335	9.186124
-54972.19	-70347.545	-30946.609	-34498.493	-60419.331	-74118.464	-58225.386	-68848.254
-54972.19	-70347.545	-30946.609	-34498.493	-60419.331	-74118.464	-58225.386	-68848.254
2262.13062	2955.16444	3223.36523	2569.41227	3289.49845	3313.59163	2610.3474	3233.51566
115888.952	151393.074	165133.001	131630.991	168521.005	169755.299	133728.097	165653.007
54972.19	70347.5449	30946.6087	34498.4926	60419.3314	74118.4635	58225.3863	68848.2542
54972.19	70347.5449	30946.6087	34498.4926	60419.3314	74118.4635	58225.3863	68848.2542
66933.528	90027.7336	93473.6138	81525.8223	80671.9089	72540.6723	59494.1492	78662.2605
115888.952	151393.074	165133.001	131630.991	168521.005	169755.299	133728.097	165653.007
115888.952	151393.074	165133.001	131630.991	168521.005	169755.299	133728.097	165653.007
2262.13062	2955.16444	3223.36523	2569.41227	3289.49845	3313.59163	2610.3474	3233.51566
115888.952	151393.074	165133.001	131630.991	168521.005	169755.299	133728.097	165653.007
115888.952	151393.074	165133.001	131630.991	168521.005	169755.299	133728.097	165653.007
2262.13062	2955.16444	3223.36523	2569.41227	3289.49845	3313.59163	2610.3474	3233.51566
60916.7619	81045.5296	134186.392	97132.4981	108101.674	95636.8357	75502.7111	96804.7531
-54972.19	-70347.545	-30946.609	-34498.493	-60419.331	-74118.464	-58225.386	-68848.254
115888.952	151393.074	165133.001	131630.991	168521.005	169755.299	133728.097	165653.007

200907.465	193543.263	230533.748	151756.729	243687.398	254826.582	181617.434	178650.82
893.264232	727.245648	873.11897	599.411987	1070.80878	1242.18206	903.191046	787.704269
3023.89322	2913.05332	3385.22391	2228.43949	3578.37588	3741.94687	2666.92268	2623.36006
81445.6477	78998.9002	139553.214	83433.3231	118693.091	108665.4	77027.0228	76408.2126
3023.89322	2913.05332	3385.22391	2228.43949	3578.37588	3741.94687	2666.92268	2623.36006
9.449666	8.669801	9.617113	6.963873	10.16584	10.63053	8.334133	7.452727
-119461.82	-114544.36	-90980.535	-68323.406	-124994.31	-146161.18	-104590.41	-102242.61
-119461.82	-114544.36	-90980.535	-68323.406	-124994.31	-146161.18	-104590.41	-102242.61
3023.89322	2913.05332	3385.22391	2228.43949	3578.37588	3741.94687	2666.92268	2623.36006
200907.465	193543.263	230533.748	151756.729	243687.398	254826.582	181617.434	178650.82
119461.818	114544.363	90980.5347	68323.4061	124994.306	146161.182	104590.411	102242.607
119461.818	114544.363	90980.5347	68323.4061	124994.306	146161.182	104590.411	102242.607
72279.0515	88664.6737	92068.827	78630.4053	80671.9089	72540.6723	64399.5605	81417.7289
200907.465	193543.263	230533.748	151756.729	243687.398	254826.582	181617.434	178650.82
200907.465	193543.263	230533.748	151756.729	243687.398	254826.582	181617.434	178650.82
3023.89322	2913.05332	3385.22391	2228.43949	3578.37588	3741.94687	2666.92268	2623.36006
200907.465	193543.263	230533.748	151756.729	243687.398	254826.582	181617.434	178650.82
200907.465	193543.263	230533.748	151756.729	243687.398	254826.582	181617.434	178650.82
3023.89322	2913.05332	3385.22391	2228.43949	3578.37588	3741.94687	2666.92268	2623.36006
81445.6477	78998.9002	139553.214	83433.3231	118693.091	108665.4	77027.0228	76408.2126
-119461.82	-114544.36	-90980.535	-68323.406	-124994.31	-146161.18	-104590.41	-102242.61
200907.465	193543.263	230533.748	151756.729	243687.398	254826.582	181617.434	178650.82

685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809
3045.29908	2771.50138	3196.20124	2728.08856	3846.92899	4508.14996	3652.8106	3150.01128
18289.6867	19789.936	21746.9203	18553.308	22473.6266	23888.0137	19372.6725	18356.9201
490957.526	540180.645	907365.386	715600.525	731194.177	697507.495	577675.967	548489.287
22.08307	28.285448	37.615099	28.491102	22.082078	23.621657	13.044845	27.347946
1.324984	1.979981	1.504603	0.854733	0.662462	1.653516	5.87018	1.093917

18289.6867	19789.936	21746.9203	18553.308	22473.6266	23888.0137	19372.6725	18356.9201
57.15527	58.898618	61.781023	57.979087	63.84553	67.863675	60.539601	52.150341
-194268.74	-199197.71	61459.9657	23104.8615	-145156.16	-227686.84	-156886.09	-167607.52
-194268.74	-199197.71	61459.9657	23104.8615	-145156.16	-227686.84	-156886.09	-167607.52
18289.6867	19789.936	21746.9203	18553.308	22473.6266	23888.0137	19372.6725	18356.9201
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809
194268.745	199197.714	-61459.966	-23104.861	145156.162	227686.844	156886.086	167607.522
194268.745	199197.714	-61459.966	-23104.861	145156.162	227686.844	156886.086	167607.522
0.48	0.4	0.31	0.19	0.23	0.54	6.18	0.22
283770.683	358747.875	372489.668	323207.872	322687.636	290162.689	252985.818	322915.447
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809
18289.6867	19789.936	21746.9203	18553.308	22473.6266	23888.0137	19372.6725	18356.9201
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809
18289.6867	19789.936	21746.9203	18553.308	22473.6266	23888.0137	19372.6725	18356.9201
490957.526	540180.645	907365.386	715600.525	731194.177	697507.495	577675.967	548489.287
-194268.74	-199197.71	61459.9657	23104.8615	-145156.16	-227686.84	-156886.09	-167607.52
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809

10.9603	10.924619	11.048826	11.041924	11.030715	11.041707	11.419763	11.119443
0.382984	0.381697	0.462256	0.449702	0.415317	0.400005	0.346671	0.403441
0.367737	0.363178	0.444458	0.430717	0.398937	0.383323	0.303992	0.387718
1943573.89	2474484.47	3950256.57	3214865.51	2626050.52	2142606.64	1977399.66	2516666.89
1971943.31	2437979.95	2580237.76	2177650.86	2262941.71	2081125.72	1675479.41	2201385.83
8733.94545	9094.44436	9711.36445	8545.22541	9877.66874	10106.1001	8310.6378	9514.70929
-10790.479	-25441.3	-14294.16	-12375.218	-6647.8583	880.097402	-9462.7456	-12960.189
2612965.08	2743613.33	2923715.55	2657923.23	2923715.55	2923715.55	2657923.23	2923715.55
0.034588	0.031931	0.033982	0.035596	0.033827	0.035472	0.035633	0.035542
468090.892	483792.404	625232.511	550606.887	560816.053	539203.04	400607.92	549166.414
523319.414	529955.037	992413.44	841338.584	753782.128	693867.852	628705.89	744853.084
2.393619	2.397158	2.577902	2.560074	2.472112	2.444927	2.52428	2.456757
606975.198	639837.655	715594.642	640814.584	676744.019	658200.683	445331.808	644324.665
2178.85979	4387.54183	20252.8826	12581.9296	4740.24341	3039.39146	9414.71488	10747.3065
112685.126	117212.96	124347.645	112651.22	124265.448	123889.054	102989.052	124300.135
352.141018	348.848095	353.260355	352.035062	353.02684	351.957539	321.840787	353.125383
117472	123345.6	129219.2	117472	129219.2	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43198.886	44796.498	57432.534	50597.296	51550.424	49532.756	35710.636	50100.62
134.191608	123.056413	213.735974	247.583571	177.983291	157.45018	196.889182	175.020438
27.444325	27.369786	29.90348	29.652863	28.593014	28.312028	30.263127	28.681057
1217220.73	1256320.44	1837295.46	1594040.06	1539698.42	1456507.17	1159433.21	1497047.44
1410041.91	1474161.17	3460537.31	2871130.25	2259750.05	1955145.47	2117130.77	2147488.29
72279.0515	90027.7336	93473.6138	81525.8223	80671.9089	72540.6723	64546.0541	81417.7289
192821.179	217840.732	1623241.84	1277090.19	720051.627	498638.301	957697.559	650440.85

1900999.43	2014341.82	4367902.69	3586730.77	2990944.23	2652652.96	2694806.74	2695977.58
1147.49	1124.1	1686.54	1540.76	1505.03	1394.89	1072.07	1478.28
205031.081	76524.6057	440320.758	385339.872	408994.414	458135.492	387756.704	330747.553
19.755542	20.164102	29.990009	28.085971	23.471613	21.486354	22.141388	21.980147
306282.273	549967.193	373642.298	308541.493	288296.941	189433.348	190869.29	349203.554
201.91	277.3	226.69	204.68	209.85	197.95	237.73	237.19
157.233091	192.953019	169.222007	164.363476	143.45015	124.970772	137.35663	169.170371
6.379063	7.662499	4.978501	4.951537	4.275436	4.416002	4.264949	4.774305
16,910	27,263	22,488	19,879	16,977	12,051	18,666	21,110
271898.849	97543.123	800746.824	688576.394	662686.055	709042.211	913555.326	537229.336
6.373449	3.442528	4.673613	5.176726	5.307066	8.66266	3.654784	4.530767
6,119	1,821	8,194	7,504	10,330	12,931	9,203	8,149
26.464193	29.542265	34.788575	32.940281	29.851142	26.023235	18.543938	28.158754
26.388718	29.470473	34.740128	32.930562	29.732296	25.891637	18.487451	28.112403
-10790.479	-25441.3	-14294.16	-12375.218	-6647.8583	880.097402	-9462.7456	-12960.189
-33.720246	-75.718153	-40.608407	-38.672557	-18.885961	2.500276	-29.57108	-36.818718
-4792667.8	-5445039.3	-5466440.6	-4820925.5	-5238220	-5051738.5	-4001450.6	-5208490
-66.319504	-60.494232	-58.509604	-59.153448	-64.939576	-69.658878	-62.025432	-64.007455
-4792667.8	-5445039.3	-5466440.6	-4820925.5	-5238220	-5051738.5	-4001450.6	-5208490
55369.3325	62765.1622	70985.4324	61646.6033	63694.4597	60489.3167	45879.919	60308.0583
1665661.03	1888012.75	2206595.46	1869109.37	1974644.76	1891692.37	1484610.12	1852182.27
4557986.53	5199454.78	5189270.31	4572593.68	4974870.61	4795370.73	3834511.41	4957549.11
4592369.96	5651878.85	4762165.79	4192558.78	4600481.49	4275761.87	3111825.38	4769523.33
	0.012987					0.05909	
558881.252	687962.862	780341.116	671523.112	652766.648	581368.172	495486.917	665362.423
3.78	3.44	5.36	4.19	4.41	4.05	3.94	4.29
32059.7984	31466.7255	37202.4882	32542.4519	32899.4396	32299.5923	22361.676	30878.0542
6693667.2	7459381.07	9834343.26	8407656.29	8229164.23	7704391.51	6696257.34	7904467.58
4080702.12	4715767.74	6910627.71	5749733.06	5305448.68	4780675.96	4038334.11	4980752.03
1130294.61	1169792.69	1708008.08	1482153.17	1430526.15	1352068.53	1074037.7	1389177.75
61488.5727	64586.434	79179.4543	69150.604	74024.0506	73420.7697	55083.3085	68457.5401
32059.7984	31466.7255	37202.4882	32542.4519	32899.4396	32299.5923	22361.676	30878.0542
4080702.12	4715767.74	6910627.71	5749733.06	5305448.68	4780675.96	4038334.11	4980752.03
54866.317	55061.025	92084.8931	79344.4364	76272.8381	72139.0395	63033.8355	76991.6411
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809
18289.6867	19789.936	21746.9203	18553.308	22473.6266	23888.0137	19372.6725	18356.9201
490957.526	540180.645	907365.386	715600.525	731194.177	697507.495	577675.967	548489.287
-194268.74	-199197.71	61459.9657	23104.8615	-145156.16	-227686.84	-156886.09	-167607.52
685226.271	739378.359	845905.42	692495.664	876350.338	925194.339	734562.053	716096.809

2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01	2021-02
3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87	2718528.87
-3056611.7	-2790819.4	-2790819.4	-2923715.6	-2657923.2	-2923715.6	-2718528.9	-2718528.9
-3056611.7	-2790819.4	-2790819.4	-2923715.6	-2657923.2	-2923715.6	-2718528.9	-2718528.9
3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87	2718528.87
3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87	2718528.87
3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87	2718528.87
38.080725	34.624445	29.201665	29.380435	29.261255	29.857165	44.148117	41.146297
0	0	0	0	0	0	21.11	21.110102
37.958852	34.502572	29.079792	29.258562	29.139382	29.735292	44.022554	41.020734
38.0526	34.59632	29.17354	29.35231	29.23313	29.82904	44.119141	41.117321
37.349486	33.893206	28.470426	28.649196	28.530016	29.125926	43.39474	40.392921
37.621357	34.165077	28.742297	28.921067	28.801887	29.397797	43.674842	40.673022
38.03385	34.577571	29.154791	29.33356	29.21438	29.81029	44.099824	41.098004
38.07135	34.61507	29.19229	29.37106	29.25188	29.84779	44.138458	41.136638
19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.450905	19.450905
1.01	1.01	1.01	1.01	1.01	1.01	1.03	1.03
37.78073	34.32445	28.90167	29.08044	28.96126	29.55717	43.83904	40.83722
3.678006	3.674658	3.692015	3.777365	4.421683	5.012307	5.193452	5.192333
27.225539	24.921074	21.307333	21.433626	21.407866	21.854358	33.185089	31.183791
27.225539	24.921074	21.307333	21.433626	21.407866	21.854358	33.185089	31.183791

	0.13894	0.416819				0.55576	0.55576
	0.00037	0.012411				0.007012	0.003961
	0.00037	0.011481				0.006972	0.003944
	169.293502	1317.49078				44.734006	341.832162
	0.576373	5.227315				0.178914	1.255726
	2.8	86.8				50.2	28.4
0.027798	0.033065	0.032976	0.026022	0.024187	0.025852	0.038156	0.032906
	38.9032	1205.9992				697.478799	394.5896
	741.86518	22997.8206				13566.5945	7675.12519
	0.2023	0.6069				0.825384	0.825384
	45.147163	1399.56207				825.605655	467.075709
8049.825	7310.025	7310.7	7713.9	7025.85	7715.25	6925.275	6963.075
21.874524	21.756026	21.758035	21.914488	21.955781	21.918323	21.641484	21.759609
8280	7560	7560	7920	7200	7920	7200	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	2.8	86.8				50.2	28.4
	2.852434	8.482691				11.59691	11.615068
	2.852434	8.482691				11.59691	11.615068
	798.681543	24534.3527				14491.5107	8199.8952
	859.983484	38449.8023				16902.2858	9822.30085
	61.301941	13915.4497				2410.77512	1622.40565
	859.983484	38449.8023				16902.2858	9822.30085
	2.42	9				7.12	8.22
	629.388041	23216.8619				14446.7767	7858.06304
	674.266022	36252.6737				16857.2905	9447.03073
	0.2	0.593685				0.799046	0.784181
	2.2	82.130627				50.044564	27.212246
	285.162847	282.299746				287.797214	287.865263
	2.851628	8.468915				2.877972	5.757305
	2.8	86.8				50.2	28.4
	0.008333	0.258333				0.156875	0.08875
	61.301941	13915.4497				2410.77512	1622.40565
	61.301941	13915.4497				2410.77512	1622.40565
	0.6	4.669372				0.155435	1.187753
	169.293502	1317.49078				44.734006	341.832162
	0.06	0.5				0.89	0.41
	-61.301941	-13915.45				-2410.7751	-1622.4057
	-735.56796	-50168.123				-19268.066	-11069.436
	0.01	0.01					0.01
	42.0485	986.8274				679.323	373.3656
	0.01	0.05				0.05	0.03
	8.6452	43.226				44.0905	26.4543
	798.681543	24534.3527				14491.5107	8199.8952
	798.681543	24534.3527				14491.5107	8199.8952
	787.012343	24397.3827				14392.2002	8142.2009

	2.8	86.8				50.2	28.4
	8.6452	43.226				44.0905	26.4543
	798.681543	24534.3527				14491.5107	8199.8952
	3.024	93.743999				55.22	31.24
7.441009	6.40492	2.54313	5.6514	4.80369	3.39084	4.426929	4.42693
0.30181	0.248353	0.172202	0.150458	0.081583	0.063178	0.209661	0.202845
0.293858	0.242648	0.168839	0.146363	0.07825	0.061818	0.206718	0.195156
174762.921	109856.11	29246.5017	11601.4123	10772.5901	30590.3141	77530.6518	55552.2516
595.508231	390.123051	124.972227	53.649556	45.644549	109.604238	279.168632	210.054591
6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7	3622.1
0.026358	0.02866	0.027142	0.02909	0.027031	0.024346	0.025781	0.030937
59077.0983	44540.0021	30991.7125	28145.479	13679.4021	11887.5315	36137.8773	34116.5599
223774.159	167796.083	114377.09	114206.251	63515.6105	60636.9846	193488.34	183288.096
2.932437	2.51931	0.99034	2.318805	2.179365	1.816346	2.200746	2.24963
37998.9869	24024.6064	6462.63836	2416.89784	2001.65625	5186.04264	12436.6514	9022.73801
20781.4	18929.46	18959.04	19822.08	18058.3	19918.94	18081.5	17985.8
56.471195	56.337678	56.425714	56.312727	56.432187	56.587897	56.504687	56.205625
21344	19488	19488	20416	18560	20416	18560	18560
58	58	58	58	58	58	58	58
6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7	3622.1
33.822028	28.986479	11.390114	26.540981	24.685617	19.979848	24.384398	24.868702
33.822028	28.986479	11.390114	26.540981	24.685617	19.979848	24.384398	24.868702
271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603	211440.92
435205.464	322488.379	391734.268	181295.171	94827.3262	86039.4859	498071.216	430047.327
163515.173	118602.121	252289.265	44124.8002	20068.7232	15677.015	274803.614	218606.407
435205.464	322488.379	391734.268	181295.171	94827.3262	86039.4859	498071.216	430047.327
244.86	188.36	95.3	143.95	111.2	105.19	222.71	212.58
96927.3697	94030.1478	110198.501	125568.958	63986.013	39772.1569	145736.951	155888.668
150397.317	142793.525	295837.093	166057.589	81772.5148	48580.036	330917.73	318334.072
23.876094	23.168792	13.707838	33.019029	27.571512	14.776527	21.052668	22.646807
2237.82901	2178.08638	2604.21214	2731.56186	1239.80739	711.486238	2516.32083	2664.17049
43.681226	43.584002	42.920478	45.353917	50.279421	56.963558	53.607535	55.364504
34.418877	29.172199	11.583253	21.256589	19.472745	19.8896	24.112982	25.456579
6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7	3622.1
17.043804	14.07363	9.792678	8.48909	4.5385	3.585454	11.989687	11.319062
163515.173	118602.121	252289.265	44124.8002	20068.7232	15677.015	274803.614	218606.407
163515.173	118602.121	252289.265	44124.8002	20068.7232	15677.015	274803.614	218606.407
4034.29099	2550.65362	686.127864	256.598135	212.512607	550.593761	1320.37917	957.929505
174762.921	109856.11	29246.5017	11601.4123	10772.5901	30590.3141	77530.6518	55552.2516
24.47	20.95	10.67	28.03	14.85	12.28	13.48	13.45
-163515.17	-118602.12	-252289.27	-44124.8	-20068.723	-15677.015	-274803.61	-218606.41
-313912.49	-261395.65	-548126.36	-210182.39	-101841.24	-64257.051	-605721.34	-536940.48
11.23	7.36	0.87	1.53	1.32	3.29	2.37	1.96
31019.0779	22257.1183	12436.0877	10989.0257	5789.719	6010.4892	18079.3788	16311.5191
0.94	0.62	0.32	0.79	0.59	0.4	0.3	0.38
373.462	246.326	127.136	313.867	234.407	158.92	121.572	153.9912

271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603	211440.92
271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603	211440.92
223774.159	167796.083	114377.09	114206.251	63515.6105	60636.9846	193488.34	183288.096
6272.12	4728.74	3290.34	2988.16	1452.32	1262.08	3836.7	3622.1
373.462	246.326	127.136	313.867	234.407	158.92	121.572	153.9912
271690.291	203886.258	139445.003	137170.37	74758.6031	70362.471	223267.603	211440.92
47542.6696	35843.8492	24940.7772	22650.2528	11008.5856	9566.5664	29657.691	27998.833
10.865557	10.930708	11.312549	10.965899	10.973714	10.961083	11.072271	11.084184
0.726637	0.693856	0.532789	0.661774	0.662979	0.680985	0.648995	0.631959
0.698429	0.669985	0.513188	0.640719	0.637274	0.661995	0.628488	0.607771
812421.413	704799.29	499246.631	524544.016	534542.884	730233.264	636307.246	603054.182
2972.42793	2700.38804	2315.73576	2471.77106	2323.35642	2674.34142	2327.58696	2309.47914
28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908	21588.038
0.040135	0.034583	0.035892	0.03284	0.040375	0.028238	0.032906	0.0375
307801.422	270685.387	212892.28	272279.193	246113.808	280742.794	243282.994	235807.017
311124.897	273733.72	214491.615	275374.546	248605.059	284100.03	251159.826	243705.404
2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.6185	2.6185
472998.445	415962.234	327151.566	418411.436	378203.088	431417.452	386455.036	374579.447
39208.53	36006.18	35957.34	37788.84	34085.88	37968.66	34351.17	34188
106.544918	107.16125	107.015892	107.354659	106.518375	107.865511	107.347406	106.8375
40848	37296	37296	39072	35520	39072	35520	35520
111	111	111	111	111	111	111	111
28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908	21588.038
29.395198	29.585111	30.667551	29.662535	29.723592	29.606366	30.775748	30.83872
29.130297	29.295478	30.271858	29.386782	29.40746	29.370736	30.46905	30.501463
832363.076	732305.298	575638.002	736616.303	665907.297	758565.801	675966.406	656562.867
1278972.54	1032208.31	884059.342	873817.668	775461.629	897764.079	1329208.39	1194845.77
446609.466	299903.012	308421.34	137201.365	109554.332	139198.278	653241.982	538282.902
1278972.54	1032208.31	884059.342	873817.668	775461.629	897764.079	1329208.39	1194845.77
353.23	324.38	323.94	340.44	307.08	342.06	309.47	308
13354.9234	21378.8084	70340.7608	205791.907	125313.803	23047.8271	34346.9997	47180.9647
21440.9411	31806.0695	207124.987	308163.741	183289.662	33399.1496	96607.0713	123636.348
12.767683	16.101205	14.855405	42.158781	31.847468	13.663264	14.497701	18.179006
472.095817	754.491869	2486.55787	7239.83948	4414.85929	812.598019	1172.00741	1617.0169
25.43626	24.451189	13.290627	22.809695	23.775422	26.572368	22.705174	22.089873
25.425375	24.433629	13.258612	22.658619	23.683561	26.559991	22.696442	22.076897
28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908	21588.038
77.525673	74.368363	56.963898	71.119903	70.737456	73.481494	69.762212	67.462618
285721.663	158415.76	197142.545	-5118.9696	-19089.355	-7545.9805	526077.961	415026.574
285721.663	158415.76	197142.545	-5118.9696	-19089.355	-7545.9805	526077.961	415026.574
28057.3522	24233.2781	16653.3121	17794.3665	18221.1267	25052.888	21151.9006	19971.0211
812421.413	704799.29	499246.631	524544.016	534542.884	730233.264	636307.246	603054.182
17.56	25.14	18.83	102.77	99.71	40.19	27.66	33.36
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222.73	212.71	241.74	178.79	174.6	273.03	210.37	205.79
93498.8501	82040.7067	68031.2469	69935.0185	68261.5047	91072.1306	82232.4256	77854.2527
0.86	0.8	0.79	0.82	0.79	0.69	0.68	0.81
6586.74	6127.2	6050.61	6280.38	6050.61	5284.71	5312.16	6327.72
993250.879	873792.55	686916.796	878936.637	794550.984	905310.059	803130.427	779819.194
993250.879	873792.55	686916.796	878936.637	794550.984	905310.059	803130.427	779819.194
784123.342	689695.954	541643.181	693785.982	626808.147	715517.481	637614.862	618284.85
28529.448	24987.77	19139.87	25034.206	22635.986	25865.486	22323.908	21588.038
6586.74	6127.2	6050.61	6280.38	6050.61	5284.71	5312.16	6327.72
993250.879	873792.55	686916.796	878936.637	794550.984	905310.059	803130.427	779819.194
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		0.04					
	0.15	0.6				0.75	0.6
	0.000208	0.012321				0.005242	0.003187
	0.000208	0.012321				0.004656	0.003187
	18.207014	179.824459					27.856718
	0.061645	0.709186					0.101492
	0.21	12.42				4.47	3.06
0.038559	0.023839	0.03497	0.032784	0.030812	0.035227	0.036687	0.03575
	3.15	186.3				67.05	45.9
	60.068974	3552.65076				1304.18324	892.796582
	0.2023	0.8092				1.03173	0.825384
	3.655575	216.20115				79.367085	54.33183
1061.43	983.97	972.75	1021.38	930.42	1018.8	924.78	925.68
2.88432	2.928482	2.895089	2.901647	2.907562	2.894318	2.889937	2.89275
1104	1008	1008	1056	960	1056	960	960
3	3	3	3	3	3	3	3
	0.21	12.42				4.47	3.06
	3.034502	12.138009				15.475954	12.380763
	3.034502	12.138009				15.475954	12.380763
	63.724549	3768.85191				1383.55033	947.128412
	67.924253	5737.16537				1609.82609	1113.46435
	4.199704	1968.31346				226.275759	166.335936
	67.924253	5737.16537				1609.82609	1113.46435
	0.07	4.14				1.49	1.02
	45.517535	3589.02745				1383.55033	919.271694
	48.640925	5445.73326				1609.82609	1084.05236
	0.03	0.11986				0.15	0.12
	0.15	11.8274				4.47	2.97
		303.450234					
		3.034502					
	0.21	12.42				4.47	3.06
	0.000625	0.036964				0.013968	0.009562
	4.199704	1968.31346				226.275759	166.335936
	4.199704	1968.31346				226.275759	166.335936

	0.06	0.592599					0.09
	18.207014	179.824459					27.856718
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	-52.84063	-7414.0467				-1836.1018	-1250.3883
	21.1925	942.7534				405.0206	268.8854
	0.05	0.58				0.36	0.36
	63.724549	3768.85191				1383.55033	947.128412
	63.724549	3768.85191				1383.55033	947.128412
	63.724549	3768.85191				1383.55033	947.128412
	0.21	12.42				4.47	3.06
	63.724549	3768.85191				1383.55033	947.128412
11.308696	11.375571	12.196306	11.392048	11.377672	11.362596	11.730397	11.725182
0.810062	0.78389	0.547298	0.770476	0.778035	0.791511	0.684388	0.675877
0.774895	0.746425	0.422613	0.740027	0.735481	0.621641	0.653751	0.641851
270443.562	238936.27	141884.87	248387.393	224159.282	208185.153	220374.673	216486.953
995.857261	921.198684	674.383367	1176.78346	980.411381	757.558281	807.857272	831.191766
12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62	8831.87
0.044972	0.048333	0.042589	0.04375	0.055875	0.043778	0.046	0.050375
137734.787	121638.412	72503.3376	126580.243	114196.566	105938.758	103218.489	101471.075
139144.5	123023.84	73100.5965	127786.139	115342.507	107217.452	106593.143	104642.779
1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	2.0478	2.0478
119650.209	105667.288	62983.6493	109960.257	99202.5566	92028.999	105055.779	103277.26
15112.35	13749.68	11164.09	14473.8	12991.16	11857.68	13127.04	13066.84
41.066168	40.921666	33.226458	41.11875	40.597375	33.68659	41.022	40.833875
15824	14448	14448	15136	13760	15136	13760	13760
43	43	43	43	43	43	43	43
12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62	8831.87
22.60108	22.678031	24.466781	22.752135	22.747824	22.747549	25.490896	25.479902
22.195273	22.319428	23.866181	22.354311	22.326791	22.291597	24.985556	24.97767
274648.808	242345.929	144915.678	251948.593	227985.677	211632.697	224084.384	220389.878
510481.873	414632.92	270559.132	365427.592	323282.368	306812.131	508254.999	461745.867
235833.065	172286.991	125643.454	113478.999	95296.6906	95179.4334	284170.615	241355.989
510481.873	414632.92	270559.132	365427.592	323282.368	306812.131	508254.999	461745.867
351.45	319.42	259.63	336.6	301.67	275.76	305.28	303.88
28.746623	23.36754	10.050679	28.635183	28.041356	27.999603	19.350578	23.491293
6.03679	7.010262	1.306588	7.731499	6.729925	3.919944	3.483104	7.047388
12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62	8831.87
33.320516	32.096309	18.17238	31.821164	31.625718	26.730568	28.111312	27.599593
163839.092	108706.593	87745.9592	47315.5058	35606.1457	39805.2446	230218.311	188317.058
163839.092	108706.593	87745.9592	47315.5058	35606.1457	39805.2446	230218.311	188317.058

12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62	8831.87
270443.562	238936.27	141884.87	248387.393	224159.282	208185.153	220374.673	216486.953
-235833.06	-172286.99	-125643.45	-113479	-95296.691	-95179.433	-284170.62	-241355.99
-235833.06	-172286.99	-125643.45	-113479	-95296.691	-95179.433	-284170.62	-241355.99
1.54	2.98	1.69	3.36	3.17	1.48	1.22	1.72
		0.190476			0.181818		
91995.6844	80131.0196	52989.1271	68715.8008	66408.1697	72795.0951	79998.1978	75806.1911
1.11	0.9	0.8	0.94	1.01	0.91	0.96	1.01
4205.2461	3409.659	3030.808	3561.1994	3826.3951	3447.5441	3709.71072	3902.92482
346642.781	305926.327	182813.172	318112.086	287676.222	267006.886	278036.688	273428.809
346642.781	305926.327	182813.172	318112.086	287676.222	267006.886	278036.688	273428.809
258794.709	228691.128	136084.246	237746.396	214545.064	199246.451	211648.922	207920.04
12261.95	10784.36	6105.92	11201.05	10120.23	9409.16	8995.62	8831.87
4205.2461	3409.659	3030.808	3561.1994	3826.3951	3447.5441	3709.71072	3902.92482
346642.781	305926.327	182813.172	318112.086	287676.222	267006.886	278036.688	273428.809
11648.8525	10245.142	5800.624	10640.9975	9614.2185	8938.702	8725.7514	8566.9139
	0.15	0.6				0.75	0.6
	0.000208	0.012339				0.005172	0.003141
	0.000208	0.012321				0.005062	0.003125
	18.207014	170.025134					27.856718
	0.061645	0.668011					0.101492
	0.21	12.42				4.86	3
0.038885	0.020803	0.025446	0.026562	0.037937	0.02071	0.031562	0.042281
	3.15	186.3				72.9	45
	60.068974	3552.65076				1417.97104	875.290766
	0.2023	0.8092				1.03173	0.825384
	3.655575	216.20115				86.291729	53.2665
1061.07	987.03	982.35	1027.95	923.58	1034.13	929.7	919.41
2.883342	2.937589	2.92366	2.920312	2.886187	2.937869	2.905312	2.873156
1104	1008	1008	1056	960	1056	960	960
3	3	3	3	3	3	3	3
	0.21	12.42				4.86	3
	3.034502	12.138009				15.475954	12.380763
	3.034502	12.138009				15.475954	12.380763
	63.724549	3768.85191				1504.26277	928.557266
	67.924253	5737.16537				1737.77411	1094.33709
	4.199704	1968.31346				233.511335	165.779827
	67.924253	5737.16537				1737.77411	1094.33709
	0.07	4.14				1.62	1
	45.517535	3598.82678				1504.26277	900.700548
	48.640925	5457.58797				1737.77411	1064.9251
	0.03	0.119875				0.15	0.12
	0.15	11.859693				4.86	2.91
		303.450234					
		3.034502					

	0.21	12.42				4.86	3
	0.000625	0.036964				0.015187	0.009375
	4.199704	1968.31346				233.511335	165.779827
	4.199704	1968.31346				233.511335	165.779827
	0.06	0.560306					0.09
	18.207014	170.025134					27.856718
	-4.199704	-1968.3135				-233.51134	-165.77983
	-52.84063	-7425.9014				-1971.2854	-1230.7049
	21.1925	942.7534				437.0144	263.5068
	0.05	0.58				0.39	0.36
	63.724549	3768.85191				1504.26277	928.557266
	63.724549	3768.85191				1504.26277	928.557266
	63.724549	3768.85191				1504.26277	928.557266
	0.21	12.42				4.86	3
	63.724549	3768.85191				1504.26277	928.557266
9.417551	7.258548	3.584424	4.940152	3.796288	2.52615	5.416834	5.577164
0.186922	0.148321	0.131369	0.057084	0.025047	0.014813	0.153262	0.145152
0.183407	0.145482	0.126404	0.05496	0.023675	0.014386	0.149912	0.140512
47339.0023	25002.2719	6322.61036	1115.28741	792.706047	2678.6255	16624.8843	15884.5203
156.273068	86.695676	26.666261	5.051605	3.264119	9.386563	59.721092	60.6192
3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6	2248.2
0.026535	0.025833	0.029955	0.030369	0.029765	0.034446	0.032718	0.02939
48576.3	35157.3	30742	13812.5	5371.6	3566.4	34767.8	32555.4
184181.184	133061.876	113650.32	58114.2107	24946.7787	18413.0397	186190.245	172951.731
2.465602	1.899749	0.916151	1.332252	1.172972	0.902326	1.719307	1.7558
12399.6599	6593.4761	1669.72011	274.564811	176.084228	519.629366	3102.59741	3114.52741
17914	16342.3	16217.7	17121	15578.5	17011.9	15473.2	15525.4
48.679347	48.637797	48.266964	48.639204	48.682812	48.329261	48.35375	48.516875
18400	16800	16800	17600	16000	17600	16000	16000
50	50	50	50	50	50	50	50
3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6	2248.2
67.789414	49.243985	25.621224	27.590885	22.789489	16.670725	45.009835	47.465477
35.435966	27.110319	13.196514	18.954718	16.608395	12.823571	24.767971	25.249638
185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408	173443.167
273745.259	196633.597	295158.279	73763.1112	30372.7079	21117.0952	364387.434	306964.958
88620.3431	63144.6745	181005.09	15389.5646	5336.96119	2653.27248	177486.026	133521.79
273745.259	196633.597	295158.279	73763.1112	30372.7079	21117.0952	364387.434	306964.958
375.72	267.09	147.78	114.72	78.73	59.62	256.63	259.61
137785.914	108486.651	107830.579	57258.2593	24243.0407	15785.1972	170276.524	157558.647
201852.354	157802.992	271811.726	72427.687	29484.8628	18073.2779	335072.327	279103.536
13.967329	10.881934	5.868798	7.286479	5.735077	3.546265	8.435634	8.353892
2500.08835	1979.81838	2006.08607	947.688227	366.270871	216.226685	2180.14436	2029.04998
61.386004	60.657919	61.334601	53.605222	64.991625	71.962299	81.415339	80.101809
39.864007	29.710048	13.493612	5.874833	5.19933	12.213101	22.795927	24.831561

3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6	2248.2
9.17038	7.274107	6.320238	2.748011	1.18375	0.719318	7.495625	7.025625
88620.3431	63144.6745	181005.09	15389.5646	5336.96119	2653.27248	177486.026	133521.79
88620.3431	63144.6745	181005.09	15389.5646	5336.96119	2653.27248	177486.026	133521.79
874.611645	464.281616	117.513926	19.611772	12.529128	36.973314	218.455643	219.150018
47339.0023	25002.2719	6322.61036	1115.28741	792.706047	2678.6255	16624.8843	15884.5203
48.71	36.01	32.34	14.76	5.33	2.58	39.38	37.4
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6.35	3.4	0.62	0.05	0.06	0.29	1.57	1.39
34170.6582	23315.3796	17261.7412	6584.1041	2571.3897	1908.5674	24527.3893	21739.8018
0.74	0.14	0.2	0.3	0.13	0.09	0.43	0.16
464.752	88.683	138.693	162.028	64.344	43.007	275.783	95.216
185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408	173443.167
185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408	173443.167
184181.184	133061.876	113650.32	58114.2107	24946.7787	18413.0397	186190.245	172951.731
3374.7	2444.1	2123.6	967.3	378.8	253.2	2398.6	2248.2
464.752	88.683	138.693	162.028	64.344	43.007	275.783	95.216
185124.916	133488.923	114153.189	58373.5467	25035.7467	18463.8227	186901.408	173443.167
478.98	338.364	364.176	97.307999	24.624	7.776	435.38	396.22

	0.15	0.6				0.75	0.6
	0.000211	0.012321				0.005109	0.003187
	0.000208	0.012321				0.005093	0.003187
	24.276018	215.411649					37.14229
	0.082194	0.842973					0.135322
	0.28	16.56				6.52	4.08
0.038179	0.034613	0.027886	0.024943	0.028	0.027045	0.034843	0.029562
	4.2	248.4				97.8	61.2
	80.091965	4736.86768				1902.2986	1190.39544
	0.2023	0.8092				1.03173	0.825384
	4.8741	288.268199				115.76586	72.44244
1415.8	1297.48	1306.52	1372.88	1244.16	1369.92	1235.4	1242.16
3.847282	3.861547	3.888452	3.900227	3.888	3.891818	3.860625	3.88175
1472	1344	1344	1408	1280	1408	1280	1280
4	4	4	4	4	4	4	4
	0.28	16.56				6.52	4.08
	3.034502	12.138009				15.475954	12.380763
	3.034502	12.138009				15.475954	12.380763
	84.966065	5025.13588				2018.06446	1262.83788
	90.565671	7649.55383				2329.75629	1484.61913
	5.599605	2624.41795				311.691829	221.781248
	90.565671	7649.55383				2329.75629	1484.61913
	0.07	4.14				1.63	1.02
	60.690046	4809.72423				2018.06446	1225.69559
	64.854567	7290.41756				2329.75629	1445.40314

	0.04	0.159817				0.2	0.16
	0.2	15.850125				6.52	3.96
	321.64192	490.759054					327.060687
	3.216419	9.815181					3.270606
	0.28	16.56				6.52	4.08
	0.000833	0.049285				0.020375	0.01275
	5.599605	2624.41795				311.691829	221.781248
	5.599605	2624.41795				311.691829	221.781248
	0.08	0.709874					0.12
	24.276018	215.411649					37.14229
	0.05	3.96				1.63	0.97
	-5.599605	-2624.4179				-311.69183	-221.78125
	-70.454173	-9914.8355				-2641.4481	-1667.1844
	0.02	0.17					0.03
	21.1925	942.7534				439.792	268.8854
	0.05	0.58				0.4	0.36
	84.966065	5025.13588				2018.06446	1262.83788
	84.966065	5025.13588				2018.06446	1262.83788
	84.966065	5025.13588				2018.06446	1262.83788
	0.28	16.56				6.52	4.08
	84.966065	5025.13588				2018.06446	1262.83788

10.254101	10.317107	10.898168	10.325262	10.339242	10.338259	10.531409	10.525046
0.657237	0.609738	0.384444	0.582178	0.602522	0.623542	0.554632	0.542428
0.62172	0.570964	0.360987	0.556079	0.574916	0.594395	0.524676	0.517025
333774.258	280516.621	182625.204	286843.714	269621.612	306333.697	257408.267	253665.558
1219.9358	1076.54195	850.692669	1356.72106	1177.56226	1123.33448	943.123596	973.315983
13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732	9695.27
0.055896	0.066726	0.059375	0.04963	0.046281	0.050426	0.05625	0.050468
136093.823	114389.908	74681.4656	116988.705	109979.737	124804.41	100743.543	99401.5094
137569.538	115615.138	75177.2624	118239.195	111094.844	126421.281	104272.643	102575.974
2.4044	2.4044	2.404399	2.4044	2.4044	2.4044	2.502199	2.502199
189769.227	159505.288	104135.836	163129.051	153355.745	174027.27	148314.644	146338.902
20359.398	18375.788	18520.53	19603.458	17884.134	19587.05	17697.2	17805.61
55.324451	54.689845	55.120625	55.691642	55.887918	55.645028	55.30375	55.642531
21564.8	19689.6	19689.6	20627.2	18752	20627.2	18752	18752
58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6
13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732	9695.27
27.398057	28.344211	30.900788	27.736702	27.563094	27.975407	29.937598	30.490756
25.134214	25.284111	26.686582	25.306646	25.34068	25.332082	26.836844	26.822925
357490.635	305436.002	201972.87	308871.821	288014.175	329362.642	276164.821	274700.946
616134.423	481311.592	391390.492	417622.647	380744.733	440128.572	632348.424	579095.506
258643.789	175875.59	189417.623	108750.826	92730.5575	110765.93	356183.603	304394.559
616134.423	481311.592	391390.492	417622.647	380744.733	440128.572	632348.424	579095.506
347.43	313.58	316.05	334.53	305.19	334.25	302	303.85
		99.591753	30.308388	3.778225			
		281.734691	47.960992	5.282349			

		1.210928	0.828333	0.12744			
		4.057484	1.240276	0.152629			
25.856855	26.988214	14.437907	25.063137	27.426323	29.103752	21.822462	28.186395
19.134072	17.812221	10.395293	20.05051	19.746952	20.372626	13.311702	19.730476
13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732	9695.27
36.43282	33.458547	21.15388	32.586272	33.690112	34.831596	30.746037	30.297718
187507.547	116083.985	150381.62	47600.8297	35244.1489	45530.6645	303524.953	252437.39
187507.547	116083.985	150381.62	47600.8297	35244.1489	45530.6645	303524.953	252437.39
13407.278	11242.072	7103.64652	11469.1277	10780.6834	12260.722	9838.732	9695.27
333774.258	280516.621	182625.204	286843.714	269621.612	306333.697	257408.267	253665.558
		0.02	0.01				
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15.58	12.57	15.27	15.08	16.8	14.64	13.73	14.87
86059.5086	72418.5532	62114.2893	63595.124	63753.5549	83173.9335	75191.0494	71891.392
1.38	1.45	1.12	1.28	1.07	1.34	1.07	1.2
23716.3764	24919.381	19248.0736	21997.7984	18388.7846	23028.9452	18756.5543	21035.388
428626.876	365227.607	241008.872	370021.817	345500.584	394597.907	328823.471	326658.115
428626.876	365227.607	241008.872	370021.817	345500.584	394597.907	328823.471	326658.115
327338.765	275120.426	179313.098	281368.246	264450.589	300448.55	252587.288	248914.876
13407.278	11242.072	7107.704	11470.368	10780.836	12260.722	9838.732	9695.27
23716.3764	24919.381	19248.0736	21997.7984	18388.7846	23028.9452	18756.5543	21035.388
428626.876	365227.607	241008.872	370021.817	345500.584	394597.907	328823.471	326658.115
6435.49344	5396.19456	3411.69792	5505.77664	5174.80128	5885.14656	4820.97868	4750.6823
8.85	7.2	3.45	3.3	2.7	1.95	4.95	5.4
0.175689	0.138697	0.12678	0.047806	0.019318	0.011825	0.147458	0.140132
0.172608	0.135148	0.125744	0.046789	0.019218	0.011818	0.142593	0.137406
7859.80449	4474.03151	1127.74931	65.039969	150.909407	329.497967	2465.22378	2978.77269
25.817914	15.614176	4.682424	0.297768	0.607167	1.13761	8.871174	11.300687
889.28	635.74	591.5	230.58	86.1	58.24	638.82	615.58
0.028913	0.035059	0.034494	0.031363	0.026156	0.024914	0.021812	0.02825
13339.2	9536.1	8872.5	3458.7	1291.5	873.6	9582.3	9233.7
50541.9746	36101.9956	32846.8919	14764.6724	6080.1762	4545.20852	51205.7043	48918.0043
2.215701	1.787782	0.841968	0.860108	0.801426	0.649408	1.51989	1.623848
2049.13045	1175.45123	293.988283	14.717155	32.301197	63.553912	444.33578	587.020112
5003.04	4539.08	4541.74	4773.44	4362.82	4805.22	4382.28	4353.44
13.595217	13.509166	13.517083	13.560909	13.633812	13.651193	13.694625	13.6045
5152	4704	4704	4928	4480	4928	4480	4480
14	14	14	14	14	14	14	14
889.28	635.74	591.5	230.58	86.1	58.24	638.82	615.58
33.580012	27.143447	12.6963	13.021097	12.403929	11.286974	23.363391	24.930544
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50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043	49002.0043
74379.7883	52770.7655	85444.5028	18600.4115	7364.24687	5113.90073	98736.6229	85599.7975

23501.8138	16574.2699	52524.1109	3751.73911	1231.57067	526.692205	47268.4186	36597.7932
74379.7883	52770.7655	85444.5028	18600.4115	7364.24687	5113.90073	98736.6229	85599.7975
201.02	139.42	94.32	60.51	49.23	39.26	138.96	147.57
43018.1701	31722.4641	31792.6426	14783.6324	5981.76679	4257.71056	49002.9805	46023.2316
62724.4365	45964.3029	81436.4761	18528.6547	7197.33644	4736.68004	94575.575	80625.1995
7.988338	6.513754	3.203439	3.064009	2.493483	1.779629	4.578916	4.710235
752.671303	557.376584	571.900781	229.598856	83.946586	54.003072	609.197614	576.445325
60.270536	58.269546	58.191216	61.319707	68.171905	77.905615	76.09846	74.764426
33.072139	21.559732	7.564858	2.452788	3.408595	5.453393	11.414769	17.943462
889.28	635.74	591.5	230.58	86.1	58.24	638.82	615.58
2.416521	1.892083	1.760416	0.655056	0.269062	0.165454	1.996312	1.923687
23501.8138	16574.2699	52524.1109	3751.73911	1231.57067	526.692205	47268.4186	36597.7932
23501.8138	16574.2699	52524.1109	3751.73911	1231.57067	526.692205	47268.4186	36597.7932
136.608696	78.363415	19.599218	0.981143	2.153413	4.236927	29.622385	39.134674
7859.80449	4474.03151	1127.74931	65.039969	150.909407	329.497967	2465.22378	2978.77269
17.02	13.66	8.33	7.59	3.78	3.24	7	8.04
-23501.814	-16574.27	-52524.111	-3751.7391	-1231.5707	-526.69221	-47268.419	-36597.793
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2.73	1.03	0.16	0.03	0.06	0.18	0.38	0.45
18436.9253	12499.9786	9302.0878	3495.012	1419.8498	1151.341	12467.0994	11482.284
0.32	0.09	0.07	0.08	0.05	0.04	0.25	0.08
336	94.5	73.5	84	52.5	42	262.5	84
50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043	49002.0043
50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043	49002.0043
50541.9746	36101.9956	32846.8919	14764.6724	6080.1762	4545.20852	51205.7043	48918.0043
889.28	635.74	591.5	230.58	86.1	58.24	638.82	615.58
336	94.5	73.5	84	52.5	42	262.5	84
50877.9746	36196.4956	32920.3919	14848.6724	6132.6762	4587.20852	51468.2043	49002.0043

10.920392	10.966431	11.478152	10.918018	10.914448	10.881201	11.181971	11.183953
0.497526	0.462493	0.332317	0.415677	0.401951	0.401214	0.424484	0.413152
0.479187	0.444493	0.312026	0.401578	0.386937	0.380043	0.409445	0.397027
1646600.96	1363814.58	862336.318	1072556.86	1040039.98	1278350.55	1210755.68	1148056.93
5965.8202	5191.34344	4004.5802	5064.2745	4530.8459	4675.3626	4426.50764	4397.55541
64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43	46639.598
0.035706	0.034304	0.034607	0.03252	0.034198	0.031766	0.035403	0.036073
702622.63	595996.512	432510.295	561264.821	490632.612	527813.494	528668.233	513131.951
1046336.25	850274.747	658483.766	708485.014	569584.975	601333.995	911100.95	866715.596
2.539761	2.497188	2.502338	2.444107	2.411625	2.428467	2.697642	2.691649
782417.881	681192.143	496391.284	691500.744	630761.39	697473.72	640932.489	624842.725
52447.7772	31793.5338	8426.34675	2706.1798	2210.04168	5769.22592	15983.5846	12724.2855
129966.843	118520.993	115932.76	124718.728	113084.804	122287.55	113127.545	112975.415
353.170769	352.74105	345.037976	354.314568	353.390012	347.407812	353.523578	353.048171
135092.8	123345.6	123345.6	129219.2	117472	129219.2	117472	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43	46639.598

214.585791	197.937207	180.63948	147.304338	139.913548	128.266871	236.986644	232.831463
29.27835	28.843341	30.053558	28.040843	27.543453	27.621255	31.525152	31.442855
1972195.7	1654670	1246142.33	1507829.31	1287834.17	1392974.64	1657250.21	1596878.2
3188919.35	2501131.96	2375919.7	1930526.6	1612053.01	1756975.26	3453586.73	3071813.94
1216723.65	846461.959	1129777.38	422697.293	324218.835	364000.621	1796336.51	1474935.74
3188919.35	2501131.96	2375919.7	1930526.6	1612053.01	1756975.26	3453586.73	3071813.94
1873.71	1554.88	1258.44	1330.75	1153.1	1156.14	1546.91	1546.75
291086.377	256399.184	355476.516	403433.065	219528.402	82862.8918	418716.109	417555.242
436415.048	379203.291	910938.43	565225.633	301749.658	104789.144	879707.351	814740.566
10.366682	6.167965	4.155313	13.377587	10.501436	5.330278	5.299963	5.766183
5962.68448	5472.47322	7794.4822	11149.9287	6105.03677	1794.31402	6543.56477	6923.73495
38.258304	34.69474	19.609242	27.678595	28.550194	31.902062	31.865784	33.643276
38.199528	34.677331	19.593848	27.580086	28.453728	31.875263	31.857399	33.635001
64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43	46639.598
175.909717	163.173458	114.545041	147.4195	142.0446	139.513886	150.307593	145.748743
912705.632	581602.704	941565.086	153063.47	78398.1947	96646.9083	1562561.54	1246683.32
912705.632	581602.704	941565.086	153063.47	78398.1947	96646.9083	1562561.54	1246683.32
58772.0915	49353.8088	30692.6518	40741.7353	39349.2352	47314.574	41554.8652	39715.863
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107.76	95.87	74.65	153.16	123.67	58.29	90.04	93.63
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260.16	240.08	260.53	198.84	196.01	292.91	229.64	226.22
		0.017316			0.016528		
355180.705	292768.382	225949.668	223314.085	208204.188	256111.557	294456.69	276260.084
5.35	4.16	5.09	4.21	3.64	3.47	4.89	4.75
35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705	31625.6943
2276213.72	1919529.26	1434354.62	1777463.13	1533654.82	1660328.35	1891025.19	1825130.63
2276213.72	1919529.26	1434354.62	1777463.13	1533654.82	1660328.35	1891025.19	1825130.63
1828754.13	1531466.89	1154875.05	1399985.76	1200346.37	1298807.72	1552033.44	1491558.32
64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43	46639.598
35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705	31625.6943
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107758.99	88308.718	62555.2293	75444.2757	58870.7689	62161.8005	76734.4049	73694.1854
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3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817	379089.742
2078.00336	1837.07536	960.504375	1137.44566	1291.86207	2190.74014	1460.59861	1443.29755
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563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817	379089.742
258.96	238.95	261.06	198.07	195.13	292.01	229.11	225.33
200.382821	193.74996	165.058552	134.488951	150.510237	195.040784	172.288243	173.896982
89.200073	88.163462	83.048736	67.569298	71.251216	89.085711	92.382632	90.687398
26027.9598	23871.6138	25429.4218	14226.9448	15675.3304	28023.5412	26055.621	24658.7484

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3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
4474895.58	3566814.59	2374093.43	2433147.97	2448187.47	3475866.23	4265640.49	3817049.94
100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548	83556.6605
3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817	379089.742
2078.00336	1837.07536	960.504375	1137.44566	1291.86207	2190.74014	1460.59861	1443.29755
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563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817	379089.742
258.96	238.95	261.06	198.07	195.13	292.01	229.11	225.33
200.382821	193.74996	165.058552	134.488951	150.510237	195.040784	172.288243	173.896982
89.200073	88.163462	83.048736	67.569298	71.251216	89.085711	92.382632	90.687398
26027.9598	23871.6138	25429.4218	14226.9448	15675.3304	28023.5412	26055.621	24658.7484
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3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
4474895.58	3566814.59	2374093.43	2433147.97	2448187.47	3475866.23	4265640.49	3817049.94
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3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
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148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664	222007.604
552.868136	520.56022	806.070539	979.393768	843.638704	793.929567	787.567842	853.04276
4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541	6707.17837
179455.051	145615.543	158502.024	192344.285	178712.7	204020.058	286694.194	276440.733
4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541	6707.17837
12.857495	12.670711	16.308978	18.667569	19.160306	19.51218	20.247985	20.959932
30694.856	11764.1747	-13783.417	-14247.464	-14055.311	-11918.905	72227.5305	54433.1286

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148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664	222007.604
148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664	222007.604
4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541	6707.17837
148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664	222007.604
148760.195	133851.369	172285.441	206591.749	192768.011	215938.963	214466.664	222007.604
4731.55836	4257.35905	5479.81683	6570.98439	6131.29806	6868.28764	6479.35541	6707.17837
179455.051	145615.543	158502.024	192344.285	178712.7	204020.058	286694.194	276440.733
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150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43	221364.947
558.734585	525.715563	812.594119	987.273006	850.934329	800.66752	785.148025	850.56404
5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586	7537.11089
201995.515	163842.383	177903.583	215967.849	200756.329	229117.014	322123.466	310616.703
37.794584	20.473441	14.883376		35.706819	27.595785	9.903773	29.597749
0.377945	0.409468	1.041836		1.428272	2.48362	0.198075	0.887932
5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586	7537.11089
14.47179	14.251602	18.309914	20.956846	21.523437	21.914772	22.749237	23.553471
51653.2979	28661.9441	4228.9198	7720.49971	6322.20272	11350.7986	108317.036	89251.7565
51653.2979	28661.9441	4228.9198	7720.49971	6322.20272	11350.7986	108317.036	89251.7565
5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586	7537.11089
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100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548	83556.6605
150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43	221364.947
150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43	221364.947
5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586	7537.11089
150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43	221364.947
150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43	221364.947
5325.61873	4788.53838	6152.13117	7376.8101	6887.50003	7713.99985	7279.75586	7537.11089
201995.515	163842.383	177903.583	215967.849	200756.329	229117.014	322123.466	310616.703
51653.2979	28661.9441	4228.9198	7720.49971	6322.20272	11350.7986	108317.036	89251.7565
150342.217	135180.438	173674.663	208247.349	194434.126	217766.216	213806.43	221364.947

165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427	135800.09
610.16017	634.494426	575.102729	492.912647	512.16181	584.413811	553.575045	521.316881
3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422	2650.7923
126076.925	108502.242	68675.3877	59731.9061	66079.1766	92614.2941	132200.643	108555.074
3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422	2650.7923

8.789983	9.546682	7.170845	5.767891	7.139543	8.813351	9.205325	8.283725
-39637.461	-55827.481	-54758.383	-44280.259	-50963.642	-66316.522	-18707.785	-27245.015
-39637.461	-55827.481	-54758.383	-44280.259	-50963.642	-66316.522	-18707.785	-27245.015
3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422	2650.7923
165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427	135800.09
39637.4612	55827.4811	54758.3828	44280.2594	50963.6416	66316.5216	18707.7847	27245.0154
39637.4612	55827.4811	54758.3828	44280.2594	50963.6416	66316.5216	18707.7847	27245.0154
100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548	83556.6605
165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427	135800.09
165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427	135800.09
3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422	2650.7923
165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427	135800.09
165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427	135800.09
3234.71376	3207.68539	2409.40407	2030.29798	2284.65388	3102.29974	2945.70422	2650.7923
126076.925	108502.242	68675.3877	59731.9061	66079.1766	92614.2941	132200.643	108555.074
-39637.461	-55827.481	-54758.383	-44280.259	-50963.642	-66316.522	-18707.785	-27245.015
165714.386	164329.723	123433.77	104012.165	117042.818	158930.816	150908.427	135800.09

140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242	159630.332
524.241731	509.940607	815.519346	1159.60749	908.916396	765.121398	793.031079	615.897394
2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304	2286.96751
77601.3012	61184.4419	71245.5324	105246.499	88488.7313	88690.8094	140307.264	98272.2876
2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304	2286.96751
5.614191	5.705191	7.592081	10.187487	9.523186	8.654563	9.632353	7.146773
-63094.826	-69359.457	-102473.44	-138959.8	-119040.55	-118769.47	-74840.979	-61358.044
-63094.826	-69359.457	-102473.44	-138959.8	-119040.55	-118769.47	-74840.979	-61358.044
2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304	2286.96751
140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242	159630.332
63094.8257	69359.4568	102473.439	138959.802	119040.545	118769.474	74840.9787	61358.0445
63094.8257	69359.4568	102473.439	138959.802	119040.545	118769.474	74840.9787	61358.0445
97446.3522	87395.9496	72170.4736	74532.7682	73259.5216	94465.878	85885.1513	80008.7299
140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242	159630.332
140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242	159630.332
2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304	2286.96751
140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242	159630.332
140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242	159630.332
2066.02242	1916.94418	2550.93937	3585.99561	3047.41963	3046.40652	3082.35304	2286.96751
77601.3012	61184.4419	71245.5324	105246.499	88488.7313	88690.8094	140307.264	98272.2876
-63094.826	-69359.457	-102473.44	-138959.8	-119040.55	-118769.47	-74840.979	-61358.044
140696.127	130543.899	173718.971	244206.301	207529.277	207460.284	215148.242	159630.332

605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973
2246.00462	2190.71082	3009.28674	3619.18691	3115.65124	2944.1323	2919.32199	2840.82108
15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685	19182.0491
585128.791	479144.609	476326.527	573290.539	534036.937	614442.176	881325.567	793884.798
37.794584	20.473441	14.883376		35.706819	27.595785	9.903773	29.597749
0.377945	0.409468	1.041836		1.428272	2.48362	0.198075	0.887932

15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685	19182.0491
41.733459	42.174187	49.381819	55.579795	57.346473	58.894868	61.834901	59.943903
-20384.133	-84760.819	-166786.32	-189767.03	-177737.29	-185654.1	86995.8035	55081.8252
-20384.133	-84760.819	-166786.32	-189767.03	-177737.29	-185654.1	86995.8035	55081.8252
15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685	19182.0491
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973
20384.133	84760.8191	166786.319	189767.025	177737.295	185654.102	-86995.804	-55081.825
20384.133	84760.8191	166786.319	189767.025	177737.295	185654.102	-86995.804	-55081.825
0.08	0.05	0.78		0.32	0.8	0.32	0.15
397920.246	349583.798	290313.569	298131.073	293385.833	382673.205	348078.116	330678.711
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973
15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685	19182.0491
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973
15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685	19182.0491
585128.791	479144.609	476326.527	573290.539	534036.937	614442.176	881325.567	793884.798
-20384.133	-84760.819	-166786.32	-189767.03	-177737.29	-185654.1	86995.8035	55081.8252
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973

10.920392	10.966431	11.478152	10.918018	10.914448	10.881201	11.181971	11.183953
0.497526	0.462493	0.332317	0.415677	0.401951	0.401214	0.424484	0.413152
0.479187	0.444493	0.312026	0.401578	0.386937	0.380043	0.409445	0.397027
3911096.86	3088229.88	2160575.38	2190552.66	2150514.79	2875322.43	3864535.68	3437960.2
2815912.6	2406304.72	1718967.22	2078209.73	2049486.9	2678990.64	2406190.26	2265949.64
10289.8282	9219.12962	7974.37131	9820.90707	8938.35921	9810.23503	8806.42825	8681.67404
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3056611.71	2790819.39	2790819.39	2923715.55	2657923.23	2923715.55	2718528.87	2718528.87
0.035706	0.034304	0.034607	0.03252	0.034198	0.031766	0.035403	0.036073
702622.63	595996.512	432510.295	561264.821	490632.612	527813.494	528668.233	513131.951
1046336.25	850274.747	658483.766	708485.014	569584.975	601333.995	911100.95	866715.596
2.539761	2.497188	2.502338	2.444107	2.411625	2.428467	2.697642	2.691649
782417.881	681192.143	496391.284	691500.744	630761.39	697473.72	640932.489	624842.725
52447.7772	31793.5338	8426.34675	2706.1798	2210.04168	5769.22592	15983.5846	12724.2855
129966.843	118520.993	115932.76	124718.728	113084.804	122287.55	113127.545	112975.415
353.170769	352.74105	345.037976	354.314568	353.390012	347.407812	353.523578	353.048171
135092.8	123345.6	123345.6	129219.2	117472	129219.2	117472	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
64734.776	54826.282	38487.134	51891.664	45454.272	49108.888	48098.43	46639.598
214.585791	197.937207	180.63948	147.304338	139.913548	128.266871	236.986644	232.831463
29.27835	28.843341	30.053558	28.040843	27.543453	27.621255	31.525152	31.442855
1972195.7	1654670	1246142.33	1507829.31	1287834.17	1392974.64	1657250.21	1596878.2
3188919.35	2501131.96	2375919.7	1930526.6	1612053.01	1756975.26	3453586.73	3071813.94
100157.965	87395.9496	72714.365	74532.7682	73375.4372	96069.1089	87397.6548	83556.6605
1216723.65	846461.959	1129777.38	422697.293	324218.835	364000.621	1796336.51	1474935.74

3774048.14	2980276.57	2852246.23	2503817.14	2146089.95	2371417.44	4334912.29	3865698.74
1873.71	1554.88	1258.44	1330.75	1153.1	1156.14	1546.91	1546.75
291086.377	256399.184	355476.516	403433.065	219528.402	82862.8918	418716.109	417555.242
27.225539	24.921074	21.307333	21.433626	21.407866	21.854358	33.185089	31.183791
563798.716	478584.713	213518.057	242595.304	297672.681	600543.808	401104.817	379089.742
258.96	238.95	261.06	198.07	195.13	292.01	229.11	225.33
200.382821	193.74996	165.058552	134.488951	150.510237	195.040784	172.288243	173.896982
7.433339	5.510216	5.190546	5.630774	5.937601	7.423809	5.773914	5.667962
26,028	23,872	25,429	14,227	15,675	28,024	26,056	24,659
436415.048	379203.291	910938.43	565225.633	301749.658	104789.144	879707.351	814740.566
6.047231	4.240476	2.856778	7.803592	6.125838	3.109329	3.643725	3.96425
5,963	5,472	7,794	11,150	6,105	1,794	6,544	6,924
38.275586	34.714577	19.590958	27.678595	28.581765	31.827418	31.817225	33.639145
38.216819	34.697168	19.575636	27.580086	28.485498	31.800857	31.808848	33.630885
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74130.0048	63524.3358	47284.9432	60305.8234	57700.1068	68045.5677	61342.0338	58897.9121
2252113.89	1927720.01	1505449.16	1835614.43	1751814.22	2078446.83	2005085.44	1886859.9
5771369.06	5117348.13	3988403.71	4881337.95	4661956.48	5620691.46	4699732.23	4626471.49
5898752.73	5216729.55	3290983.34	4558707.62	4657879.5	6116446.12	4221129.7	4190820.67
		0.017316			0.016528		
853258.915	729748.13	588977.601	595977.926	574965.458	734853.87	729932.461	690495.456
5.35	4.16	5.09	4.21	3.64	3.47	4.89	4.75
35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705	31625.6943
9849435.22	8362483.95	7028862.23	7654788.91	7053867.06	8259462.61	9268419.5	8720422.67
6792823.51	5571664.56	4238042.84	4731073.36	4395943.84	5335747.06	6549890.63	6001893.8
1828754.13	1531466.89	1154875.05	1399985.76	1200346.37	1298807.72	1552033.44	1491558.32
80092.6893	68996.809	55079.4254	71455.7521	63805.1436	69839.8817	67885.5985	65821.6471
35682.5765	34894.3942	28712.0466	32399.2728	28617.0407	32005.1263	28482.3705	31625.6943
6792823.51	5571664.56	4238042.84	4731073.36	4395943.84	5335747.06	6549890.63	6001893.8
107758.99	88308.718	62555.2293	75444.2757	58870.7689	62161.8005	76734.4049	73694.1854
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973
15357.9133	14170.527	16592.2914	19564.0881	18350.8716	20730.9937	19787.1685	19182.0491
585128.791	479144.609	476326.527	573290.539	534036.937	614442.176	881325.567	793884.798
-20384.133	-84760.819	-166786.32	-189767.03	-177737.29	-185654.1	86995.8035	55081.8252
605512.924	563905.428	643112.846	763057.565	711774.232	800096.279	794329.763	738802.973

2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10
3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31
-3126308.2	-2990381.8	-2718528.9	-2990381.8	-2990381.8	-2990381.8	-2854455.3	-2854455.3
-3126308.2	-2990381.8	-2718528.9	-2990381.8	-2990381.8	-2990381.8	-2854455.3	-2854455.3
3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31
3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31
3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31
33.954447	30.890087	31.953237	31.703087	39.958077	36.330887	30.639937	30.827557
21.11002	21.109918	21.109918	21.109959	21.110081	21.11004	21.11002	21.110061
33.828884	30.764524	31.827674	31.577524	39.832514	36.205324	30.514374	30.701994
33.925471	30.861111	31.924261	31.674111	39.929101	36.301911	30.610961	30.798581
33.20107	30.136711	31.19986	30.94971	39.2047	35.57751	29.88656	30.07418
33.481172	30.416812	31.479962	31.229812	39.484802	35.857612	30.166662	30.354282
33.906154	30.841794	31.904944	31.654794	39.909784	36.282594	30.591644	30.779264
33.944788	30.880428	31.943578	31.693428	39.948418	36.321228	30.630278	30.817898
19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
33.64537	30.58101	31.64416	31.39401	39.649	36.02181	30.33086	30.51848
4.625629	4.13381	3.870057	3.85212	3.86564	3.857339	3.870054	3.970793
26.341993	24.258092	24.94488	24.776622	30.281085	27.862263	24.069355	24.202833
26.341993	24.258092	24.94488	24.776622	30.281085	27.862263	24.069355	24.202833

0.27788		0.27788	0.13894	0.27788	0.13894	0.833639	
0.000193		0.007916	0.000378	0.000649	0.000055	0.01674	
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		1609.49494		418.704118		805.54112	
		7.663007		1.358381		3.09076	
1.6		57	3	4.4	0.4	114.8	
0.025081	0.033693	0.0345	0.018892	0.032556	0.029034	0.029851	0.031398
22.2304		791.957999	41.682	61.1336	5.5576	1595.0312	
432.401419		15404.3006	810.75266	1189.1039	108.100354	31024.8018	
0.412692		0.412692	0.206346	0.412692	0.206346	1.238076	
26.314124		937.440684	49.338983	72.363842	6.578531	1888.03843	
8072.325	7653.15	6951.6	7770.375	7662.15	7690.05	7334.325	7322.625
21.935665	21.741903	21.72375	22.074928	21.767471	21.846732	21.828348	21.793526
8280	7920	7200	7920	7920	7920	7560	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1.6		57	3	4.4	0.4	114.8	
5.991093		5.806531	2.907365	5.848324	3.098424	17.476089	
5.991093		5.806531	2.907365	5.848324	3.098424	17.476089	
478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013	
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22.829104		16479.9433	66.614302	131.676057	1.714396	16621.4307	
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0.62		4.35	2.27	1.95	0.02	14.32	
478.111743		14812.5825	872.209744	865.239826	123.936985	32321.7601	
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0.4		0.390798	0.2	0.382752	0.2	1.192821	
1.6		51.407538	3	2.975781	0.4	112.018564	
		287.797214		297.839604		303.104486	
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1.6		57	3	4.4	0.4	114.8	
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22.829104		16479.9433	66.614302	131.676057	1.714396	16621.4307	
22.829104		16479.9433	66.614302	131.676057	1.714396	16621.4307	
		5.592461		1.424218		2.781435	
		1609.49494		418.704118		805.54112	
0.05		0.12	0.08	0.07	0.01	0.79	
-22.829104		-16479.943	-66.614302	-131.67606	-1.714396	-16621.431	
-523.76995		-46089.992	-1005.4383	-1089.4152	-127.36578	-64989.379	
				0.04		0.01	
18.7503		585.9314	36.897	67.2977	6.148	1318.0674	
0.02		0.02	0.01	0.02	0.01	0.1	
17.6362		17.6362	8.8181	17.6362	8.8181	88.181	
478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013	
478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013	
458.715543		16341.7412	860.091644	1261.46775	114.678885	32912.8403	

1.6		57	3	4.4	0.4	114.8	
17.6362		17.6362	8.8181	17.6362	8.8181	88.181	
478.111743		16422.0774	872.209744	1283.94395	123.936985	33127.3013	
1.76		62.7	3.3	4.84	0.44	126.28	

4.33274	4.89788	2.35475	4.99207	6.78168	5.74559	2.26056	5.74559
0.174682	0.170398	0.184014	0.188078	0.283578	0.241246	0.149447	0.172638
0.169972	0.165539	0.177968	0.182613	0.272017	0.233892	0.144464	0.169226
26265.3714	9905.42659	76202.248	44512.7219	179135.137	121576.328	24302.6655	15356.1601
109.424255	45.878782	366.48693	167.387514	601.375765	429.053062	104.944969	69.2486
3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88
0.032038	0.031477	0.031593	0.028693	0.03892	0.027897	0.027619	0.02238
34171.1901	31833.0175	31111.8989	35116.2926	52308.4165	44977.0437	26517.4991	31062.7317
165799.363	139357.161	118110.117	139725.951	212585.211	184022.081	101682.479	131895.049
2.13973	2.211504	0.941442	2.058452	2.822953	2.404302	0.927529	2.481833
4562.9785	1901.43158	16511.8479	9317.20885	36583.9562	24772.9619	5248.59095	2974.3376
20660.18	19773.36	17973.62	19830.2	19621.4	19846.44	18949.76	19051.84
56.141793	56.174318	56.167562	56.335795	55.742613	56.381931	56.398095	56.701904
21344	20416	18560	20416	20416	20416	19488	19488
58	58	58	58	58	58	58	58
3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88
23.775332	24.953553	10.814432	23.656439	32.360466	27.463038	10.618942	28.322122
23.775332	24.953553	10.814432	23.656439	32.360466	27.463038	10.618942	28.322122
194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748
314919.011	239382.321	385858.257	284221.081	444636.218	378737.868	423522.973	204983.115
120893.623	73641.0347	242093.605	115416.481	188696.95	157560.81	299960.551	47279.3672
314919.011	239382.321	385858.257	284221.081	444636.218	378737.868	423522.973	204983.115
163.58	149.47	89.43	158.38	220.01	182.37	102.22	144.56
167760.017	155835.86	67562.4037	124291.878	76804.1307	99600.7294	99259.7566	142347.588
274345.626	225074.222	182264.518	207609.822	124214.51	166543.257	345376.861	184405.099
24.24047	29.30863	11.482865	24.012493	18.866893	20.14106	12.292861	33.040264
3143.45595	3177.78808	1550.0638	2739.047	1669.44052	2145.0347	2258.08559	2982.09939
55.068038	49.099288	44.638634	45.189694	46.238194	46.180548	44.796185	47.00788
23.09705	20.599539	11.159658	23.409235	33.221938	28.141943	10.739084	22.982905
3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88
9.858423	9.601306	10.322187	10.59159	15.776988	13.565738	8.378928	9.815119
120893.623	73641.0347	242093.605	115416.481	188696.95	157560.81	299960.551	47279.3672
120893.623	73641.0347	242093.605	115416.481	188696.95	157560.81	299960.551	47279.3672
484.444048	201.871916	1753.0362	989.192998	3884.05948	2630.1053	557.234414	315.780613
26265.3714	9905.42659	76202.248	44512.7219	179135.137	121576.328	24302.6655	15356.1601
22.5	24.11	5.66	19.94	17.67	19.76	7.09	30.36
-120893.62	-73641.035	-242093.61	-115416.48	-188696.95	-157560.81	-299960.55	-47279.367
-395239.25	-298715.26	-424358.12	-323026.3	-312911.46	-324104.07	-645337.41	-231684.47
1.44	0.88	3.69	2.31	12.25	7.45	0.74	1.16
14838.2448	12364.2741	11813.0265	15937.8701	27945.509	22646.9632	10750.9146	12434.9119
0.45	0.64	0.3	0.64	1.05	0.6	0.29	0.78
182.358	259.3536	121.572	259.3536	425.502	243.144	117.5196	316.0872

194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748
194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748
165799.363	139357.161	118110.117	139725.951	212585.211	184022.081	101682.479	131895.049
3627.9	3379.66	3303.1	3728.24	5553.5	4775.14	2815.32	3297.88
182.358	259.3536	121.572	259.3536	425.502	243.144	117.5196	316.0872
194025.388	165741.286	143764.652	168804.6	255939.268	221177.057	123562.422	157703.748
28043.667	26124.7718	25532.963	28819.2952	42928.555	36911.8322	21762.4236	25492.6124

11.077849	11.053009	11.277209	11.048468	10.920893	11.004362	11.334451	10.959849
0.6263	0.635325	0.543254	0.634373	0.697889	0.665404	0.516206	0.66722
0.600248	0.613781	0.26317	0.615118	0.669629	0.642732	0.495497	0.648205
602117.374	481170.641	247402.246	640621.48	771162.131	733869.754	505292.203	542902.021
2564.30831	2285.6196	1200.35852	2689.98858	2756.03481	2766.20151	2299.06862	2492.96963
24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468
0.042853	0.036505	0.033718	0.031335	0.040795	0.03642	0.038095	0.029255
267982.101	261771.474	103691.051	262497.003	283137.503	272938.221	206192.663	262896.366
275916.076	269970.748	106803.989	271122.164	291909.74	282440.176	212760.038	271201.084
2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185
425689.567	415823.986	164713.234	416976.489	449763.923	433562.365	327537.045	417610.877
39097.53	37645.65	17173.92	37847.67	37478.04	37648.98	35875.2	36204.87
106.243288	106.947869	53.6685	107.521789	106.471704	106.957329	106.771428	107.752589
40848	39072	35520	39072	39072	39072	37296	37296
111	111	111	111	111	111	111	111
24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468
30.880291	30.786085	31.431085	30.694657	30.42108	30.625917	31.542106	30.391228
30.487462	30.420057	31.008498	30.407545	30.073738	30.288499	31.156328	30.175429
745549.44	728162.181	288242.419	729684.068	788208.011	760044.134	573897.206	729122.614
1076671.78	925564.185	470014.048	965689.412	1262455.92	1134754.8	944063.572	889708.443
331122.342	197402.004	181771.629	236005.344	474247.908	374710.666	370166.366	160585.83
1076671.78	925564.185	470014.048	965689.412	1262455.92	1134754.8	944063.572	889708.443
352.23	339.03	154.72	340.97	337.64	339.18	323.2	326.17
135776.305	240116.98	37949.7334	83047.348	9233.88014	19299.8199	62355.4034	181689.633
273883.186	410553.391	107911.4	141382.826	15123.8742	32898.6193	230726.224	283343.77
29.095399	45.21818	18.383068	23.638305	10.420084	12.599474	12.291236	40.720127
4646.16651	8213.09373	1297.64686	2840.41079	316.897041	660.530544	2130.7119	6224.01113
22.063684	22.205361	15.294872	22.059869	25.648505	24.158805	12.091918	23.318665
21.997455	22.007728	15.256412	21.993235	25.638357	24.147031	12.069782	23.232302
24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468
66.627565	68.129772	29.2119	68.27813	74.328829	71.343352	55.00025	71.950797
191048.098	60574.055	127572.316	98798.1608	326251.935	232045.858	262389.461	23169.8992
191048.098	60574.055	127572.316	98798.1608	326251.935	232045.858	262389.461	23169.8992
19872.7775	15768.5863	8050.16114	21193.4912	25846.851	24452.3295	16349.3721	17951.4569
602117.374	481170.641	247402.246	640621.48	771162.131	733869.754	505292.203	542902.021
69.01	88.42	11.23	50.29	11.97	20.67	19.43	87.38
-331122.34	-197402	-181771.63	-236005.34	-474247.91	-374710.67	-370166.37	-160585.83
-605005.53	-607955.4	-289683.03	-377388.17	-489371.78	-407609.29	-600892.59	-443929.6

212.16	184.15	111.55	218.99	222.38	229.21	247.51	177.21
		0.5					
79747.9455	69033.9712	30937.7799	78686.6313	91119.658	87224.751	68908.1468	69192.2618
0.98	0.88	0.37	0.77	1	0.88	0.8	0.58
7655.76	6874.56	2890.44	6015.24	7812	6874.56	6249.6	4530.96
885623.684	864990.13	342441.731	866891.251	936203.984	902708.942	681674.111	866538.544
885623.684	864990.13	342441.731	866891.251	936203.984	902708.942	681674.111	866538.544
701605.643	685794.734	271517.223	688098.653	741673.664	716002.541	540297.082	688811.961
24518.944	23981.68	9347.808	24033.902	26163.748	25112.86	18480.084	24175.468
7655.76	6874.56	2890.44	6015.24	7812	6874.56	6249.6	4530.96
885623.684	864990.13	342441.731	866891.251	936203.984	902708.942	681674.111	866538.544
36288.0371	35492.8864	13834.7558	35570.175	38722.347	37167.0328	27350.5243	35779.6926
			0.08			0.01	
0.3		0.3	0.15	0.3	0.15	1.05	
0.000163		0.008562	0.0002	0.000397	0.000035	0.016428	
0.000163		0.008562	0.000198	0.000397	0.000028	0.016428	
		146.285262		27.856718		94.030587	
		0.69799		0.089542		0.365349	
0.18		8.22	0.21	0.42	0.03	16.56	
0.023179	0.030994	0.023031	0.036392	0.032414	0.031051	0.027113	0.031398
2.7		123.3	3.15	6.3	0.45	248.4	
52.517446		2398.2967	61.270353	122.540707	8.752907	4831.60503	
0.412692		0.412692	0.206346	0.412692	0.206346	1.444422	
3.19599		145.95021	3.728655	7.45731	0.532665	294.03108	
1078.41	1023.27	937.89	1017.57	1021.77	1023.21	980.67	976.35
2.930461	2.907017	2.930906	2.890823	2.902755	2.906846	2.91866	2.905803
1104	1056	960	1056	1056	1056	1008	1008
3	3	3	3	3	3	3	3
0.18		8.22	0.21	0.42	0.03	16.56	
6.190381		6.190381	3.09519	6.190381	3.09519	21.666336	
6.190381		6.190381	3.09519	6.190381	3.09519	21.666336	
55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611	
58.498558		4834.3354	68.654958	142.053355	9.821692	7504.97796	
2.785122		2290.08849	3.65595	12.055338	0.536119	2379.34185	
58.498558		4834.3354	68.654958	142.053355	9.821692	7504.97796	
0.06		2.74	0.07	0.14	0.01	5.52	
55.713436		2397.96165	64.999008	102.141299	9.285572	5031.60553	
58.498558		4542.14813	68.654958	112.688663	9.821692	7350.39734	
0.06		0.05991	0.03	0.06	0.03	0.179981	
0.18		7.747378	0.21	0.33	0.03	16.256204	
		309.519088				309.519088	
		3.09519				3.09519	
0.18		8.22	0.21	0.42	0.03	16.56	
0.000489		0.025687	0.000596	0.001193	0.000085	0.049285	
2.785122		2290.08849	3.65595	12.055338	0.536119	2379.34185	
2.785122		2290.08849	3.65595	12.055338	0.536119	2379.34185	

		0.472621		0.09		0.303795	
		146.285262		27.856718		94.030587	
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-61.283681		-6832.2366	-72.310909	-124.744	-10.357812	-9729.7392	
14.6303		563.4444	17.031	42.497	3.0664	1268.8029	
0.05		0.22	0.03	0.1	0.01	0.91	
55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611	
55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611	
55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611	
0.18		8.22	0.21	0.42	0.03	16.56	
55.713436		2544.24691	64.999008	129.998017	9.285572	5125.63611	
11.655863	11.60714	12.088289	11.628531	11.445236	11.581385	12.255077	11.4536
0.689968	0.701766	0.569713	0.702392	0.764575	0.724516	0.530242	0.743441
0.65702	0.669404	0.352524	0.672198	0.730575	0.690261	0.433455	0.713107
253973.517	247269.358	121713.346	248608.349	266924.796	254158.136	159270.357	249814.491
1088.6947	1180.22354	590.832331	1055.66731	960.783421	963.216015	738.893425	1153.48237
10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97
0.050407	0.047556	0.048562	0.042244	0.045909	0.048863	0.048214	0.040773
119114.443	115810.498	57113.8041	116456.453	125123.109	118971.54	74707.8918	117054.818
122654.038	119569.297	58877.6988	120209.812	128848.245	122934.537	77157.9715	120682.216
2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478
121234.68	117871.924	58130.4298	118529.378	127350.3	121089.234	76037.6922	119138.394
15026.35	14416.18	8486.91	14496.59	14441.12	14396.4	11808.66	13858.9
40.832472	40.955056	26.521593	41.183494	41.025909	40.898863	35.144821	41.246726
15824	15136	13760	15136	15136	15136	14448	14448
43	43	43	43	43	43	43	43
10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97
25.357149	25.342223	26.448536	25.203355	24.782806	25.17231	26.701521	24.803773
24.841632	24.734616	25.721097	24.779246	24.403784	24.67591	26.060297	24.42158
258378.798	252447.496	124341.058	252318.059	270673.149	258370.204	162632.282	253446.916
431190.719	369163.4	230118.243	382475.292	501511.423	444832.077	312096.946	358177.979
172811.921	116715.904	105777.185	130157.233	230838.274	186461.874	149464.664	104731.063
431190.719	369163.4	230118.243	382475.292	501511.423	444832.077	312096.946	358177.979
349.45	335.26	197.03	337.13	335.84	334.47	274.62	322.3
25.052334	22.958767	16.219518	21.240897	28.722051	23.461168	12.241007	24.76935
9.77041	6.658042	15.895127	4.248179	5.74441	5.396068	1.958561	3.467709
10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97
28.251902	28.784375	15.158562	28.904517	31.414744	29.68125	18.638601	30.663601
110550.802	56181.7567	75923.7992	69285.445	165436.425	124275.45	110414.849	43546.5094
110550.802	56181.7567	75923.7992	69285.445	165436.425	124275.45	110414.849	43546.5094

10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97
253973.517	247269.358	121713.346	248608.349	266924.796	254158.136	159270.357	249814.491
-172811.92	-116715.9	-105777.18	-130157.23	-230838.27	-186461.87	-149464.66	-104731.06
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3.48	3.86	70.1	1.88	2	2.21	1.29	1.67
		0.35				0.142857	
78369.7474	67299.8151	38858.281	77282.7255	90210.5554	85301.765	57170.4087	67710.2769
1.14	1.34	0.68	0.96	0.97	1.09	0.87	0.94
4405.28148	5178.13788	2627.71176	3709.71072	3748.35354	4212.06738	3361.92534	3632.42508
320639.917	312981.643	154194.444	313189.847	336074.998	320556.628	201682.097	314631.469
320639.917	312981.643	154194.444	313189.847	336074.998	320556.628	201682.097	314631.469
243888.718	237441.221	117008.129	238739.19	256198.545	244023.77	153195.664	239820.61
10396.7	10132.1	4850.74	10174.39	11057.99	10447.8	6262.57	10302.97
4405.28148	5178.13788	2627.71176	3709.71072	3748.35354	4212.06738	3361.92534	3632.42508
320639.917	312981.643	154194.444	313189.847	336074.998	320556.628	201682.097	314631.469
10084.799	9828.137	4705.2178	9869.1583	10726.2503	10134.366	6074.6929	9993.8809
0.3		0.3	0.15	0.3	0.15	1.05	
0.000163		0.008573	0.000198	0.000456	0.000029	0.0163	
0.000163		0.008562	0.000198	0.000397	0.000028	0.015684	
		139.28359		27.856718		90.045372	
		0.665372		0.089542		0.349187	
0.18		8.22	0.21	0.42	0.03	15.81	
0.03932	0.02125	0.018718	0.040284	0.044772	0.026988	0.03616	0.02125
2.7		123.3	3.15	6.3	0.45	237.15	
52.517446		2398.2967	61.270353	122.540707	8.752907	4612.78234	
0.412692		0.412692	0.206346	0.412692	0.206346	1.444422	
3.19599		145.95021	3.728655	7.45731	0.532665	280.714455	
1060.59	1033.56	942.03	1013.46	1008.72	1027.5	971.55	986.58
2.882038	2.93625	2.943843	2.879147	2.865681	2.919034	2.891517	2.93625
1104	1056	960	1056	1056	1056	1008	1008
3	3	3	3	3	3	3	3
0.18		8.22	0.21	0.42	0.03	15.81	
6.190381		6.190381	3.09519	6.190381	3.09519	21.666336	
6.190381		6.190381	3.09519	6.190381	3.09519	21.666336	
55.713436		2544.24691	64.999008	129.998017	9.285572	4893.4968	
58.498558		4834.3354	68.654958	142.053355	9.821692	7149.29617	
2.785122		2290.08849	3.65595	12.055338	0.536119	2255.79938	
58.498558		4834.3354	68.654958	142.053355	9.821692	7149.29617	
0.06		2.74	0.07	0.14	0.01	5.27	
55.713436		2404.96332	64.999008	102.141299	9.285572	4803.45142	
58.498558		4552.37933	68.654958	112.688663	9.821692	7004.952	
0.06		0.06	0.03	0.06	0.03	0.179882	
0.18		7.77	0.21	0.33	0.03	15.519079	
				327.406467		309.519088	
				3.274064		3.09519	

0.18		8.22	0.21	0.42	0.03	15.81	
0.000489		0.025687	0.000596	0.001193	0.000085	0.047053	
2.785122		2290.08849	3.65595	12.055338	0.536119	2255.79938	
2.785122		2290.08849	3.65595	12.055338	0.536119	2255.79938	
		0.45		0.09		0.29092	
		139.28359		27.856718		90.045372	
				0.07		0.47	
-2.785122		-2290.0885	-3.65595	-12.055338	-0.536119	-2255.7994	
-61.283681		-6842.4678	-72.310909	-124.744	-10.357812	-9260.7514	
				0.01			
14.6303		563.4444	17.031	42.497	3.0664	1211.2739	
0.05		0.22	0.03	0.1	0.01	0.87	
55.713436		2544.24691	64.999008	129.998017	9.285572	4893.4968	
55.713436		2544.24691	64.999008	129.998017	9.285572	4893.4968	
55.713436		2544.24691	64.999008	129.998017	9.285572	4893.4968	
0.18		8.22	0.21	0.42	0.03	15.81	
55.713436		2544.24691	64.999008	129.998017	9.285572	4893.4968	

5.262165	5.663103	3.59667	6.112466	8.831224	6.977991	3.156124	5.086368
0.099824	0.088417	0.148139	0.113799	0.182277	0.152247	0.120915	0.067247
0.096804	0.084176	0.144993	0.112181	0.178664	0.147227	0.116916	0.066077
4741.7923	1422.45708	34849.3744	8465.73926	55838.2529	32571.8155	7216.32067	2107.73742
19.810405	6.667969	166.431097	30.876123	181.754808	113.949199	30.875184	9.415163
1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1
0.030896	0.03159	0.030906	0.026377	0.027997	0.029843	0.030907	0.025357
25620.8	21261.5	33674.7	28409.6	45315.7	37394	28501.4	15781.7
122517.129	93858.9225	128489.102	114336.282	185949.13	154553.666	109433.876	67171.21
1.605152	1.71194	0.938482	1.67727	2.451661	1.949729	0.845313	1.490831
990.09031	307.997399	9191.34029	2181.13604	13534.537	7858.88556	1885.83001	481.46887
17852.2	16924.9	15539.4	17171.3	17121.2	17077.9	16337	16378.2
48.511413	48.082102	48.560625	48.782102	48.639772	48.516761	48.622023	48.744642
18400	17600	16000	17600	17600	17600	16800	16800
50	50	50	50	50	50	50	50
1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1
43.370308	39.194117	26.452531	43.236734	62.276928	50.134142	22.526478	33.773852
23.029966	24.357738	13.616383	24.060301	35.173811	27.862777	12.169433	21.175895
122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67
186021.183	124696.785	313750.081	182668.345	299397.985	246766.941	345252.012	81754.6041
63140.695	30542.273	184585.392	67787.2611	112538.914	91712.8404	235308.714	14325.9341
186021.183	124696.785	313750.081	182668.345	299397.985	246766.941	345252.012	81754.6041
219.36	157.7	145.58	197.17	313.02	255.21	150.73	139.02
118138.696	92732.0554	94315.3144	106415.345	131020.817	122482.286	102726.977	65320.9326
179159.186	122860.727	229276.229	169435.892	203677.378	193699.45	322435.482	79184.7572
8.527505	8.956757	5.263862	9.413767	12.060518	9.753514	5.035445	7.876544
1711.16331	1459.73406	1677.00494	1820.41008	2191.15922	2038.57786	1831.49897	1075.71399
72.719345	63.334209	68.844305	58.866526	66.376294	65.923891	69.623832	59.352456
17.452642	6.966763	16.481204	22.356636	41.057195	31.625824	13.924766	10.66863

1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1
4.840217	4.208806	7.249687	5.60909	8.933238	7.361363	5.845833	3.303869
63140.695	30542.273	184585.392	67787.2611	112538.914	91712.8404	235308.714	14325.9341
63140.695	30542.273	184585.392	67787.2611	112538.914	91712.8404	235308.714	14325.9341
70.036688	21.765943	642.895057	153.989924	953.340781	552.622141	132.701033	34.386009
4741.7923	1422.45708	34849.3744	8465.73926	55838.2529	32571.8155	7216.32067	2107.73742
28.35	23.78	34.99	31.18	44.35	39.61	28.95	15.97
-63140.695	-30542.273	-184585.39	-67787.261	-112538.91	-91712.84	-235308.71	-14325.934
-242299.88	-153403	-413861.62	-237223.15	-316216.29	-285412.29	-557744.2	-93510.691
0.46	0.13	5.21	1	7.63	4.55	0.74	0.07
14683.3283	10672.5942	18250.6285	17134.238	32652.8568	25532.2087	16386.8329	7428.1157
0.19	0.2	0.37	0.42	0.7	0.15	0.21	0.3
112.559	104.74	237.017	263.202	435.95	90.795	141.801	169.35
122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67
122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67
122517.129	93858.9225	128489.102	114336.282	185949.13	154553.666	109433.876	67171.21
1781.2	1481.5	2319.9	1974.4	3144.5	2591.2	1964.2	1110.1
112.559	104.74	237.017	263.202	435.95	90.795	141.801	169.35
122880.488	94154.5125	129164.689	114881.084	186859.07	155054.101	109943.297	67428.67
250.8	190.85	438.57	281.6	473.99	409.64	367.62	88.11

0.3		0.3	0.15	0.3	0.15	1.05	
0.000163		0.008562	0.000225	0.000198	0.000028	0.016509	
0.000163		0.008562	0.000198	0.00017	0.000028	0.015029	
		178.112545		24.761527		88.511536	
		0.850388		0.076912		0.352133	
0.24		10.96	0.28	0.24	0.04	20.2	
0.021548	0.02034	0.0305	0.026107	0.041761	0.0325	0.028541	0.023065
3.6		164.4	4.2	3.6	0.6	303	
70.023261		3197.72893	81.693804	70.023261	11.670543	5893.6245	
0.412692		0.412692	0.206346	0.412692	0.206346	1.444422	
4.26132		194.60028	4.97154	4.26132	0.71022	358.6611	
1440.28	1379.36	1240.96	1371.24	1349.2	1362.24	1305.64	1313
3.913804	3.918636	3.878	3.895568	3.832954	3.87	3.885833	3.907738
1472	1408	1280	1408	1408	1408	1344	1344
4	4	4	4	4	4	4	4
0.24		10.96	0.28	0.24	0.04	20.2	
6.190381		6.190381	3.09519	6.190381	3.09519	21.666336	
6.190381		6.190381	3.09519	6.190381	3.09519	21.666336	
74.284581		3392.32921	86.665344	74.284581	12.380763	6252.2856	
77.998078		6445.78053	91.539945	76.525867	13.095589	9118.73866	
3.713496		3053.45132	4.8746	2.241286	0.714826	2866.45307	
77.998078		6445.78053	91.539945	76.525867	13.095589	9118.73866	
0.06		2.74	0.07	0.06	0.01	5.05	
74.284581		3214.21667	86.665344	49.523054	12.380763	6163.77406	
77.998078		6083.78509	91.539945	50.458771	13.095589	8979.46145	

0.08		0.079939	0.04	0.08	0.04	0.239909	
0.24		10.38455	0.28	0.16	0.04	19.914035	
		609.577139		323.006925		403.576009	
		6.095771		3.230069		16.14304	
0.24		10.96	0.28	0.24	0.04	20.2	
0.000652		0.03425	0.000795	0.000681	0.000113	0.060119	
3.713496		3053.45132	4.8746	2.241286	0.714826	2866.45307	
3.713496		3053.45132	4.8746	2.241286	0.714826	2866.45307	
		0.575449		0.08		0.285964	
		178.112545		24.761527		88.511536	
0.05		2.59	0.07	0.03	0.01	4.94	
-3.713496		-3053.4513	-4.8746	-2.241286	-0.714826	-2866.4531	
-81.711574		-9137.2364	-96.414545	-52.700058	-13.810416	-11845.915	
		0.14		0.01		0.07	
14.6303		563.4444	17.031	18.6444	3.0664	1164.4186	
0.05		0.22	0.03	0.06	0.01	0.84	
74.284581		3392.32921	86.665344	74.284581	12.380763	6252.2856	
74.284581		3392.32921	86.665344	74.284581	12.380763	6252.2856	
74.284581		3392.32921	86.665344	74.284581	12.380763	6252.2856	
0.24		10.96	0.28	0.24	0.04	20.2	
74.284581		3392.32921	86.665344	74.284581	12.380763	6252.2856	

10.505108	10.463502	10.827055	10.479551	10.337849	10.444672	10.926385	10.338135
0.528109	0.533664	0.400103	0.537874	0.611289	0.568276	0.379079	0.579607
0.496107	0.500426	0.281259	0.509431	0.577641	0.52961	0.359698	0.547483
280183.041	269153.464	140697.338	275252.904	309659.938	285509.454	190216.724	280904.77
1197.6205	1282.64691	683.433655	1160.63262	1104.49851	1075.9716	868.860229	1296.45323
10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726
0.065298	0.065085	0.060531	0.055	0.054431	0.066931	0.051666	0.059375
109772.076	105781.347	55210.8548	107832.501	121379.484	111685.265	74530.9677	110034.747
113335.201	109068.318	56916.3577	111371.181	125126.646	115733.456	77079.9318	113642.039
2.5022	2.502199	2.502199	2.5022	2.5022	2.5022	2.502199	2.5022
161606.451	155731.299	81281.4204	158751.008	178694.876	164423.047	109724.491	161993.154
20156.642	19284.674	13236.568	19492.704	19504.424	19246.584	18672.304	18520.53
54.773483	54.786005	41.364275	55.377	55.410295	54.677795	55.572333	55.120625
21564.8	20627.2	18752	20627.2	20627.2	20627.2	19689.6	19689.6
58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6
10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726
30.37529	30.068842	32.640002	29.432978	29.004255	29.74597	31.745147	28.897904
26.77771	26.668364	27.579675	26.708534	26.354076	26.616051	27.825842	26.354994
305075.774	294574.175	157259.847	294728.914	333149.455	308823.676	207804.248	300374.993
501672.674	424739.835	304969.315	448954.287	602229.626	520918.133	462154.557	423640.005
196596.9	130165.66	147709.468	154225.373	269080.171	212094.458	254350.309	123265.012
501672.674	424739.835	304969.315	448954.287	602229.626	520918.133	462154.557	423640.005
343.97	327.78	225.88	332.64	332.84	328.44	318.64	316.05
0.857357	704.130247	84.788515	18.276235			58.034329	12.489197
1.20084	1265.64119	199.35518	22.950165			204.908476	18.085053

0.016123	4.239328	1.161882	0.481578			0.718584	0.489373
0.032247	27.51596	3.291685	0.693759			2.24702	0.498762
23.957499	23.3569	15.493432	23.686196	25.751045	23.662898	13.034057	25.853438
18.686849	21.23998	15.183436	18.226212	20.343326	16.800658	10.166564	16.804734
10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726
29.071907	29.325005	16.481812	29.852687	33.849812	31.035193	21.078327	32.082517
139219.036	74873.7499	118850.754	97861.3244	205635.115	153716.57	215392.972	65749.8495
139219.036	74873.7499	118850.754	97861.3244	205635.115	153716.57	215392.972	65749.8495
10698.4298	10294.886	5270.88831	10507.4522	11915.134	10924.388	7080.07098	10779.2272
280183.041	269153.464	140697.338	275252.904	309659.938	285509.454	190216.724	280904.77
	0.18	0.09	0.01			0.01	
-196596.9	-130165.66	-147709.47	-154225.37	-269080.17	-212094.46	-254350.31	-123265.01
-196598.1	-131431.3	-147908.82	-154248.32	-269080.17	-212094.46	-254555.22	-123283.1
19.47	15.75	61.01	14.94	16.73	15.31	17.25	12.14
		0.25					
72324.319	61365.7508	41911.9144	71620.4226	84002.2573	78522.9817	64345.5166	62358.3498
1.42	1.41	0.94	1.11	1.34	1.33	1	1.11
24891.8758	24716.5809	16477.7206	19457.7339	23489.5166	23314.2217	17529.49	19457.7339
362453.639	349866.085	186118.561	351092.962	396594.511	367201.564	246761.585	357890.155
362453.639	349866.085	186118.561	351092.962	396594.511	367201.564	246761.585	357890.155
274941.652	264799.617	138197.778	270122.189	303821.522	280156.504	186804.422	275635.193
10698.462	10322.402	5274.18	10508.146	11915.134	10924.388	7082.318	10779.726
24891.8758	24716.5809	16477.7206	19457.7339	23489.5166	23314.2217	17529.49	19457.7339
362453.639	349866.085	186118.561	351092.962	396594.511	367201.564	246761.585	357890.155
5242.24638	5057.97698	2584.3482	5148.99154	5838.41566	5352.95012	3470.33582	5282.06574

4.8	4.2	3.15	5.25	7.65	6	2.85	4.65
0.0914	0.080103	0.146758	0.104627	0.170739	0.143561	0.118275	0.055507
0.089891	0.078096	0.141593	0.102357	0.169261	0.14071	0.117053	0.051845
685.875445	217.700116	7636.22776	1170.62105	10032.7084	5482.95638	1176.47768	153.435919
2.862917	1.035836	36.566349	4.216445	32.498692	19.251089	4.992217	0.683496
463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88
0.033369	0.033693	0.031	0.02659	0.028607	0.036107	0.033363	0.03622
6946.8	5772.9	9515.1	7566.3	12511.8	10401.3	8259.3	3658.2
33418.2213	25529.7921	36338.3844	30472.7099	51453.7553	43028.7748	31660.7724	15530.9921
1.44137	1.204782	0.791511	1.375925	2.046447	1.623968	0.72508	1.299243
133.626616	46.861515	2002.91099	303.559126	2420.11214	1302.67281	308.4853	37.057505
4980.08	4761.96	4341.12	4796.96	4787.02	4750.06	4547.06	4533.62
13.532826	13.528295	13.566	13.627727	13.599488	13.494488	13.532916	13.492916
5152	4928	4480	4928	4928	4928	4704	4704
14	14	14	14	14	14	14	14
463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88
21.726424	18.262135	12.09879	21.647611	31.146544	24.394975	10.977244	19.799753
21.726424	18.262135	12.09879	21.647611	31.146544	24.394975	10.977244	19.799753
33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921
50081.2538	33593.4841	87612.3624	48543.8806	81911.321	67802.1268	96662.8426	18786.7734

16568.5324	7979.69202	51074.478	17913.6707	30205.5657	24699.852	64886.5702	3087.78126
50081.2538	33593.4841	87612.3624	48543.8806	81911.321	67802.1268	96662.8426	18786.7734
116.46	92.01	96.22	123.21	167.59	130.22	104.94	78.24
32826.8459	25396.092	28901.6566	29459.5889	41673.0469	37619.3184	30599.7947	15545.5562
49121.9953	33335.9278	69198.0559	46678.923	64858.2423	59063.9535	92924.2207	18604.8341
4.453552	3.917698	2.850671	4.725046	6.735612	5.468352	2.639457	4.327892
454.211558	381.735898	500.8126	484.182724	672.77919	606.575146	530.054313	241.409499
74.656016	73.811047	58.021342	59.825004	65.234039	63.678975	58.475456	68.412056
9.705282	2.214331	11.578429	11.965	30.876128	22.287641	7.601809	2.736482
463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88
1.258478	1.093352	1.982312	1.433011	2.369659	1.969943	1.63875	0.725833
16568.5324	7979.69202	51074.478	17913.6707	30205.5657	24699.852	64886.5702	3087.78126
16568.5324	7979.69202	51074.478	17913.6707	30205.5657	24699.852	64886.5702	3087.78126
8.908441	3.124101	133.527399	20.237275	161.340809	86.844853	20.565686	2.4705
685.875445	217.700116	7636.22776	1170.62105	10032.7084	5482.95638	1176.47768	153.435919
10.57	10.29	5.34	10.6	13.77	11.78	5.94	9.73
-16568.532	-7979.692	-51074.478	-17913.671	-30205.566	-24699.852	-64886.57	-3087.7813
-65690.528	-41315.62	-120272.53	-64592.594	-95063.808	-83763.805	-157810.79	-21692.615
0.18	0.07	0.76	0.34	2.91	1.09	0.15	0.11
7883.7642	5860.7402	9406.3408	8974.5452	17536.1929	13634.9563	8682.7774	3828.7422
0.09	0.08	0.19	0.15	0.24	0.07	0.11	0.16
94.5	84	199.5	157.5	252	73.5	115.5	168
33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921
33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921
33418.2213	25529.7921	36338.3844	30472.7099	51453.7553	43028.7748	31660.7724	15530.9921
463.12	384.86	634.34	504.42	834.12	693.42	550.62	243.88
94.5	84	199.5	157.5	252	73.5	115.5	168
33512.7213	25613.7921	36537.8844	30630.2099	51705.7553	43102.2748	31776.2724	15698.9921

11.128702	11.082748	11.492773	11.109843	11.004211	11.08658	11.510795	10.939937
0.397282	0.400579	0.297188	0.407849	0.473092	0.439649	0.319932	0.418746
0.381134	0.38448	0.219749	0.394114	0.454069	0.422114	0.302584	0.404635
1167966.97	1009139.05	630573.956	1218631.81	1593252.14	1433168.44	888552.876	1091238.62
4982.72109	4802.07265	3053.98564	5108.76859	5638.56038	5367.64248	4051.79208	5022.2525
51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024
0.035899	0.034888	0.033997	0.032572	0.037833	0.035952	0.034767	0.031439
563638.64	542230.736	291520.366	557930.331	639853.346	596374.428	421093.302	540488.562
834247.488	757354.239	528934.271	788253.088	997376.937	902849.968	656137.882	720122.59
2.612248	2.578324	2.594795	2.57299	2.651537	2.615611	2.591613	2.573126
708567.665	689427.209	305549.026	694318.642	755900.639	719083	516120.672	698742.425
5686.69542	2256.29049	27706.0992	11801.904	52538.6054	33934.5202	7442.90626	3492.86398
129424.587	123896.064	86824.018	124808.069	123995.044	124069.364	116782.169	119146.515
351.697247	351.977454	271.325056	354.568377	352.258647	352.469784	347.565979	354.602723
135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024

200.047035	168.606958	164.263056	186.064714	234.411552	199.920352	216.586539	165.988635
30.411171	29.933351	31.198807	29.976845	30.706331	30.44553	31.140959	29.557106
1660086.43	1560693.44	904213.45	1592135.81	1888152.93	1746726.33	1259014.45	1523775.93
2561252.56	2117140.01	1841338.78	2313719.97	3193918.74	2793970.34	2657274.65	1977050.92
901166.125	556446.568	937125.328	721584.164	1305765.81	1047244	1398260.2	453274.987
2561252.56	2117140.01	1841338.78	2313719.97	3193918.74	2793970.34	2657274.65	1977050.92
1545.85	1401.25	921.43	1491.98	1709.23	1569.94	1304.51	1326.34
455166.544	514785.117	251643.621	344321.309	259850.921	279157.042	343320.557	404916.198
777207.13	793089.909	633637.919	566298.087	409107.579	452363.67	1063370.45	565556.546
6.86005	14.37105	4.090623	6.544087	5.52058	5.274174	3.618693	13.475821
9957.22958	13259.8677	5106.12936	7888.44435	4854.07176	5451.21824	6916.30567	10523.7328
29.303562	26.309028	21.078	29.101767	39.42362	33.67383	19.3701	28.639893
29.264478	26.214055	21.053188	29.042522	39.295771	33.65793	19.347312	28.57197
51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024
139.914472	141.142619	80.670212	144.679539	166.68884	154.958261	111.078815	148.541738
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641452.898	303792.561	824213.917	467141.144	1028922.93	784014.881	1212476.14	197159.341
41531.2964	36422.3343	20708.3386	43038.7537	53820.4002	49094.0898	30406.1763	39386.2912
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237.19	204.84	252.46	239.46	263.96	259.82	267.76	192.36
		0.099999				0.012987	
267909.99	226597.146	153454.236	269724.423	343637.966	312878.973	231207.16	222952.658
4.44	4.55	3.53	4.15	5.58	4.16	6	3.87
37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562
1919799.66	1813347.45	1017124.86	1846578.83	2164995.81	2009955.46	1444798.5	1779891.58
1919799.66	1813347.45	1017124.86	1846578.83	2164995.81	2009955.46	1444798.5	1779891.58
1542815.15	1446781.45	834483.297	1482571.73	1753277.58	1621932.97	1172258.55	1418865.01
51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024
37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562
1919799.66	1813347.45	1017124.86	1846578.83	2164995.81	2009955.46	1444798.5	1779891.58
79911.3095	76694.6222	47158.5548	79692.52	98694.398	89976.2611	59151.8766	76636.3617
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2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89
349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524
1485.73301	1047.63569	1419.34598	1539.52583	2304.30026	2101.45966	849.843326	1177.22314
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86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586
349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524
236.82	204.55	259.43	238.86	263.03	259.03	268.11	191.91
157.407519	125.096969	159.660579	176.123375	211.20766	198.629981	172.265722	141.493353
76.768583	58.116348	89.374821	80.661941	99.707382	98.035423	87.812554	73.99316
21064.808	13648.6031	25862.8479	22238.0524	29591.288	29443.2501	27193.1895	14921.8567

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86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586
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2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89
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2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89
349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524
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349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524
236.82	204.55	259.43	238.86	263.03	259.03	268.11	191.91
157.407519	125.096969	159.660579	176.123375	211.20766	198.629981	172.265722	141.493353
76.768583	58.116348	89.374821	80.661941	99.707382	98.035423	87.812554	73.99316
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2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89
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2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89
2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89

254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407
1092.25113	1251.54523	1069.9363	836.570513	546.107392	563.201404	830.531645	959.367216
7687.95574	7910.69187	6656.65329	5891.61199	4546.69231	4462.72839	5469.46144	6273.87937
260472.249	243883.08	209762.591	185476.267	179686.019	160865.053	165709.494	192603.195
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6000.914	-17960.821	-10572.632	-9536.0901	29190.5034	13148.7437	-15329.68	-15062.212
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254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407
254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407
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254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407
254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407
7687.95574	7910.69187	6656.65329	5891.61199	4546.69231	4462.72839	5469.46144	6273.87937
260472.249	243883.08	209762.591	185476.267	179686.019	160865.053	165709.494	192603.195
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254471.335	261843.901	220335.224	195012.357	150495.516	147716.31	181039.174	207665.407

253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852
1088.81791	1249.01006	1066.88418	832.258446	545.239506	562.060313	827.299782	955.753125
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292658.305	274258.732	235815.176	207837.597	202283.098	180964.076	185960.771	216235.606
27.686579	27.125347	16.172444	19.170869	28.297445	27.000186	9.131424	11.688887
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23.47024	25.276864	23.376904	18.764491	14.534754	14.259685	18.273684	20.964039
38988.1864	12940.4352	16109.6808	13845.7792	52019.3217	33544.0211	5630.2082	9355.75375
38988.1864	12940.4352	16109.6808	13845.7792	52019.3217	33544.0211	5630.2082	9355.75375
8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733
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-38988.186	-12940.435	-16109.681	-13845.779	-52019.322	-33544.021	-5630.2082	-9355.7538
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253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852
253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852
8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733
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253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852
8637.04866	8897.45647	7480.60931	6605.10105	5116.23344	5019.40942	6139.95787	7043.91733
292658.305	274258.732	235815.176	207837.597	202283.098	180964.076	185960.771	216235.606
38988.1864	12940.4352	16109.6808	13845.7792	52019.3217	33544.0211	5630.2082	9355.75375
253670.119	261318.296	219705.496	193991.818	150263.776	147420.055	180330.563	206879.852

177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174
762.296704	806.412771	658.350517	704.517497	575.741803	644.366359	555.578256	461.271436
3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697
117584.091	101582.508	78565.8453	100466.999	124919.114	120984.152	73884.5363	59922.8116
3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697

9.404229	9.328049	8.278612	9.11529	8.86227	9.433684	7.074203	5.810407
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-59710.467	-66629.842	-57150.418	-63908.678	-34893.863	-49133.104	-47885.707	-40093.362
3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697
177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174
59710.4667	66629.8416	57150.4182	63908.6784	34893.8633	49133.1044	47885.7073	40093.3623
59710.4667	66629.8416	57150.4182	63908.6784	34893.8633	49133.1044	47885.7073	40093.3623
86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586
177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174
177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174
3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697
177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174
177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174
3460.75655	3283.47354	2649.15603	3208.58242	3119.51937	3320.65696	2376.93234	1952.29697
117584.091	101582.508	78565.8453	100466.999	124919.114	120984.152	73884.5363	59922.8116
-59710.467	-66629.842	-57150.418	-63908.678	-34893.863	-49133.104	-47885.707	-40093.362
177294.558	168212.349	135716.263	164375.678	159812.977	170117.256	121770.244	100016.174

263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089
1130.16376	1239.29054	921.988637	785.401554	519.308664	538.914405	808.748461	1110.34712
3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704
129357.608	114822.163	79610.6925	78958.5665	76429.0375	70121.5902	72801.3228	104805.725
3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704
10.242317	10.541708	8.508225	7.410553	5.793923	5.732755	7.496478	10.239634
-133730.67	-144183.39	-110429.03	-103115.78	-65925.347	-70729.909	-103012.08	-135342.36
-133730.67	-144183.39	-110429.03	-103115.78	-65925.347	-70729.909	-103012.08	-135342.36
3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704
263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089
133730.666	144183.388	110429.032	103115.778	65925.3474	70729.9091	103012.084	135342.364
133730.666	144183.388	110429.032	103115.778	65925.3474	70729.9091	103012.084	135342.364
86151.0384	73873.2405	65933.3643	83118.7401	95705.666	90133.5983	73492.7565	73018.7586
263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089
263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089
3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704
263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089
263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089
3769.17299	3710.68125	2722.63216	2608.51497	2039.4611	2017.92979	2518.81671	3440.51704
129357.608	114822.163	79610.6925	78958.5665	76429.0375	70121.5902	72801.3228	104805.725
-133730.67	-144183.39	-110429.03	-103115.78	-65925.347	-70729.909	-103012.08	-135342.36
263088.275	259005.551	190039.725	182074.345	142354.385	140851.499	175813.407	240148.089

948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522
4073.5295	4546.2586	3717.15964	3158.74801	2186.39737	2308.54248	3022.15815	3486.7389
23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107
800072.254	734546.482	603754.306	572739.43	583317.268	532934.871	498356.124	573567.337
27.686579	27.125347	16.172444	19.170869	28.297445	27.000186	9.131424	11.688887
1.661194	1.085013	7.762773	0.766834	0.848923	1.080007	0.547885	0.233777

23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107
64.007972	67.620179	60.965783	52.02787	42.107688	42.104331	49.122524	55.686341
-148452.03	-215833.62	-162042.4	-162714.77	-19609.385	-73170.249	-160597.26	-181142.19
-148452.03	-215833.62	-162042.4	-162714.77	-19609.385	-73170.249	-160597.26	-181142.19
23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522
148452.033	215833.615	162042.402	162714.767	19609.3855	73170.2487	160597.263	181142.185
148452.033	215833.615	162042.402	162714.767	19609.3855	73170.2487	160597.263	181142.185
0.28	0.38	7.52	0.29	0.11	0.34	0.61	0.2
344604.154	295492.962	264174.076	333890.59	390406.45	370207.792	295806.359	292075.034
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522
23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522
23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107
800072.254	734546.482	603754.306	572739.43	583317.268	532934.871	498356.124	573567.337
-148452.03	-215833.62	-162042.4	-162714.77	-19609.385	-73170.249	-160597.26	-181142.19
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522

11.128702	11.082748	11.492773	11.109843	11.004211	11.08658	11.510795	10.939937
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0.381134	0.38448	0.219749	0.394114	0.454069	0.422114	0.302584	0.404635
2943758.06	2289111.59	2110988.76	2703377.51	4023403.03	3443559.47	2290014.55	2251754.89
2466442.75	2180469.49	1690126.48	2328438.2	2842264.54	2599563.95	1739225.49	2103704.66
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3126308.2	2990381.75	2718528.87	2990381.75	2990381.75	2990381.75	2854455.31	2854455.31
0.035899	0.034888	0.033997	0.032572	0.037833	0.035952	0.034767	0.031439
563638.64	542230.736	291520.366	557930.331	639853.346	596374.428	421093.302	540488.562
834247.488	757354.239	528934.271	788253.088	997376.937	902849.968	656137.882	720122.59
2.612248	2.578324	2.594795	2.57299	2.651537	2.615611	2.591613	2.573126
708567.665	689427.209	305549.026	694318.642	755900.639	719083	516120.672	698742.425
5686.69542	2256.29049	27706.0992	11801.904	52538.6054	33934.5202	7442.90626	3492.86398
129424.587	123896.064	86824.018	124808.069	123995.044	124069.364	116782.169	119146.515
351.697247	351.977454	271.325056	354.568377	352.258647	352.469784	347.565979	354.602723
135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51488.526	49682.202	25814.468	50927.198	58674.472	54545.308	37322.482	49910.024
200.047035	168.606958	164.263056	186.064714	234.411552	199.920352	216.586539	165.988635
30.411171	29.933351	31.198807	29.976845	30.706331	30.44553	31.140959	29.557106
1660086.43	1560693.44	904213.45	1592135.81	1888152.93	1746726.33	1259014.45	1523775.93
2561252.56	2117140.01	1841338.78	2313719.97	3193918.74	2793970.34	2657274.65	1977050.92
86151.0384	73873.2405	66080.2373	83590.6165	98233.5945	93358.0644	74104.5342	73018.7586
901166.125	556446.568	937125.328	721584.164	1305765.81	1047244	1398260.2	453274.987

3361324.81	2851686.49	2445093.08	2886459.4	3777236.01	3326905.21	3155630.77	2550618.26
1545.85	1401.25	921.43	1491.98	1709.23	1569.94	1304.51	1326.34
455166.544	514785.117	251643.621	344321.309	259850.921	279157.042	343320.557	404916.198
26.341993	24.258092	24.94488	24.776622	30.281085	27.862263	24.069355	24.202833
349951.49	220950.346	293755.813	374352.188	646085.742	560290.39	191719.228	257756.524
236.82	204.55	259.43	238.86	263.03	259.03	268.11	191.91
157.407519	125.096969	159.660579	176.123375	211.20766	198.629981	172.265722	141.493353
4.798036	4.843029	5.585926	5.041371	6.231711	6.127213	5.488284	6.166096
21,065	13,649	25,863	22,238	29,591	29,443	27,193	14,922
777207.13	793089.909	633637.919	566298.087	409107.579	452363.67	1063370.45	565556.546
4.716284	8.383112	2.812303	4.499059	3.795398	3.625994	2.487851	7.860895
9,957	13,260	5,106	7,888	4,854	5,451	6,916	10,524
29.295046	26.300745	21.00985	29.104339	39.366722	33.639214	19.411682	28.594278
29.256179	26.206658	20.987789	29.045125	39.242294	33.623367	19.389058	28.526422
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65086.2304	60224.6374	40217.3894	61352.5641	68642.3065	63914.8143	46911.3447	58096.9019
2116491.26	1959519.14	1396370.66	1954086.01	2196178.8	2039273.56	1547506.26	1845948.14
5317352.16	4938880.39	4054434.7	5134889.87	5727628.36	5459867.47	3906806.92	4834077.4
4890096.52	4366740.83	3714552.6	4942943.97	5964606.52	5567794.19	3035155.69	4526277.37
		0.099999				0.012987	
698665.182	595963.348	483708.549	687205.629	832278.01	776444.829	601118.053	588046.451
4.44	4.55	3.53	4.15	5.58	4.16	6	3.87
37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562
8938390.2	8043220.89	6612439.2	8275792.29	9781707.25	9050001.8	7248221.75	7640811.3
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1542815.15	1446781.45	834483.297	1482571.73	1753277.58	1621932.97	1172258.55	1418865.01
75043.4599	73484.5051	45323.5188	69241.0084	73496.3782	69366.0326	53827.6504	68620.6347
37359.9705	37217.3724	22571.5976	29871.5583	36180.9583	34817.1062	27604.0169	28274.5562
5812082.01	5052839.14	3893910.33	5285410.54	6791325.49	6059620.04	4393766.44	4786355.99
79911.3095	76694.6222	47158.5548	79692.52	98694.398	89976.2611	59151.8766	76636.3617
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522
23554.9339	23802.3031	19509.0508	18313.8104	14821.9062	14820.7246	16505.1684	18710.6107
800072.254	734546.482	603754.306	572739.43	583317.268	532934.871	498356.124	573567.337
-148452.03	-215833.62	-162042.4	-162714.77	-19609.385	-73170.249	-160597.26	-181142.19
948524.287	950380.098	765796.707	735454.197	602926.654	606105.12	658953.386	754709.522

2021-11	2021-12	2022-01	2022-02	2022-03	2022-04	2022-05	2022-06
2854455.31	3126308.2	2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39
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2854455.31	3126308.2	2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39
2854455.31	3126308.2	2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39
2854455.31	3126308.2	2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39
30.702477	31.327857	45.710143	42.601683	35.154343	31.981133	33.082043	32.823003
21.109979	21.109979	21.532179	21.532159	21.532098	21.53222	21.532139	21.532301
30.576914	31.202294	45.582685	42.474224	35.026884	31.853674	32.954584	32.695544
30.673501	31.298881	45.680729	42.572269	35.124929	31.951719	33.052629	32.793589
29.9491	30.57448	44.945394	41.836934	34.389594	31.216384	32.317294	32.058254
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30.692818	31.318198	45.700338	42.591878	35.144538	31.971328	33.072238	32.813198
19.450905	19.450905	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924
1.03	1.03	1.06	1.06	1.06	1.06	1.06	1.06
30.3934	31.01878	45.3964	42.28794	34.8406	31.66739	32.7683	32.50926
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24.174887	24.642155	34.307151	32.238278	27.222671	25.0663	25.77666	25.602012
24.174887	24.642155	34.307151	32.238278	27.222671	25.0663	25.77666	25.602012

		0.416819	0.41682			0.41682	0.13894
		0.017324	0.01006			0.003004	0.000126
		0.015608	0.009472			0.002671	0.000126
		356.436507	205.02464			300.459057	
		1.261846	0.755769			1.461194	
		118	68.2			20.2	1
0.030892	0.023614	0.035446	0.027	0.024021	0.040148	0.03491	0.026221
		1639.492	947.5708			280.6588	13.894
		32527.3968	18799.7327			5568.24928	275.655904
		0.631419	0.631419			0.631419	0.210473
		1979.52264	1144.09698			338.867435	16.775615
7326.45	8084.475	7292.025	7005.6	8081.1	7256.475	7296.075	7712.325
21.80491	21.968682	21.702455	21.8925	21.95951	21.596651	21.714508	21.910014
7560	8280	7560	7200	8280	7560	7560	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
		118	68.2			20.2	1
		8.819657	8.809947			8.89899	3.025559
		8.819657	8.809947			8.89899	3.025559
		34676.237	20029.8901			5965.92031	302.55592
		50594.0838	25594.1696			6793.90055	314.556932
		15917.8468	5564.27948			827.980242	12.001012
		50594.0838	25594.1696			6793.90055	314.556932
		9.39	9.09			5.24	0.34
		34319.8005	19824.8654			5665.46125	302.55592
		50118.7005	25340.4386			6475.8469	314.556932
		0.596346	0.597913			0.588554	0.2
		116.78582	67.501595			19.176503	1
		293.56152	293.56152			297.957101	
		5.87123	2.935615			2.979571	
		118	68.2			20.2	1
		0.35119	0.213125			0.060119	0.00284
		15917.8468	5564.27948			827.980242	12.001012
		15917.8468	5564.27948			827.980242	12.001012
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		0.65	0.71			0.35	0.03
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		1628.8498	921.4759			218.1478	15.9099
		0.04	0.01			0.04	0.01
		35.9776	8.9944			35.9776	8.9944
		34676.237	20029.8901			5965.92031	302.55592
		34676.237	20029.8901			5965.92031	302.55592
		34506.9194	19943.8297			5907.11671	292.43152

		118	68.2			20.2	1
		35.9776	8.9944			35.9776	8.9944
		34676.237	20029.8901			5965.92031	302.55592
		133.34	77.065999			22.826	1.13
4.52112	3.10827	5.27464	5.74559	5.46302	5.55721	3.67341	4.80369
0.089424	0.067177	0.210253	0.206196	0.163143	0.15721	0.227981	0.19765
0.08619	0.066603	0.205089	0.199968	0.158152	0.154077	0.221339	0.188607
14039.8626	42954.566	89416.7534	69011.3695	30913.7578	13948.4184	128616.098	118346.773
57.964377	151.289341	316.659358	253.190238	123.471946	62.887345	603.409836	470.061444
1679.68	1421.58	3996.78	3711.42	3375.6	3002.66	4313.46	3850.62
0.036071	0.023586	0.025148	0.031125	0.034021	0.028154	0.035386	0.033551
15820.9059	13389.862	37645.6708	34957.865	31794.7764	28282.0545	40628.4797	36268.9898
79627.6145	75516.4552	194629.561	173844.593	151476.722	121941.464	155731.053	144480.355
2.32279	1.784305	2.611574	2.746965	2.637435	2.533984	1.499752	2.031041
2277.98287	6647.78249	14736.4903	11780.9653	5477.89735	2684.26078	27521.702	24482.3357
18785.04	20840.56	18997.9	17982.32	20617.84	18939.32	18798.38	19731.02
55.907857	56.631956	56.541369	56.19475	56.026739	56.367023	55.947559	56.054034
19488	21344	19488	18560	21344	19488	19488	20416
58	58	58	58	58	58	58	58
1679.68	1421.58	3996.78	3711.42	3375.6	3002.66	4313.46	3850.62
25.843165	19.484942	29.081085	30.721066	29.538001	28.601075	17.235798	23.254034
25.843165	19.484942	29.081085	30.721066	29.538001	28.601075	17.235798	23.254034
92842.5277	86647.1026	226351.53	203255.922	178328.593	145804.966	189919.526	175104.318
116311.541	114447.887	467427.804	396139.098	263394.465	198032.555	380250.02	293066.899
23469.0131	27800.7847	241076.274	192883.176	85065.8716	52227.5885	190330.494	117962.581
116311.541	114447.887	467427.804	396139.098	263394.465	198032.555	380250.02	293066.899
109.72	105.07	213.87	203.79	191.29	164.63	117.57	151.74
78802.6651	43692.5366	136934.777	134244.553	147414.836	131856.548	61303.4278	56757.545
99059.4647	57488.1355	291509.939	264496.894	217093.083	179150.889	119992.079	91762.1755
23.882414	11.144424	23.678188	26.774622	29.442261	32.064544	10.465628	17.376151
1437.83024	715.795681	2432.23065	2460.65397	2794.0205	2717.67637	1391.5254	1251.37001
55.919827	60.354085	54.038043	52.593032	53.049906	49.349708	44.924339	47.201361
25.104157	19.866537	29.688211	31.000508	27.548029	23.667799	17.493448	24.038121
1679.68	1421.58	3996.78	3711.42	3375.6	3002.66	4313.46	3850.62
4.999047	3.862989	11.895178	11.598187	9.172826	8.936488	12.837678	10.939261
23469.0131	27800.7847	241076.274	192883.176	85065.8716	52227.5885	190330.494	117962.581
23469.0131	27800.7847	241076.274	192883.176	85065.8716	52227.5885	190330.494	117962.581
241.849758	705.784318	1564.54935	1250.76603	581.579503	284.983626	2921.9346	2599.24999
14039.8626	42954.566	89416.7534	69011.3695	30913.7578	13948.4184	128616.098	118346.773
17.69	11.53	25.25	19.68	24.03	27.01	12.58	13.16
-23469.013	-27800.785	-241076.27	-192883.18	-85065.872	-52227.589	-190330.49	-117962.58
-122528.48	-85288.92	-532586.21	-457380.07	-302158.95	-231378.48	-310322.57	-209724.76
1.31	3.18	5.06	3.52	2.13	1.24	5.6	9.97
6842.0258	6901.4922	19249.6123	17099.1725	14152.8473	11308.7662	15741.8995	16962.0853
0.57	0.35	0.55	0.4	0.61	0.49	0.48	0.68
230.9868	141.834	227.3425	165.34	252.1435	202.5415	198.408	281.078

92842.5277	86647.1026	226351.53	203255.922	178328.593	145804.966	189919.526	175104.318
92842.5277	86647.1026	226351.53	203255.922	178328.593	145804.966	189919.526	175104.318
79627.6145	75516.4552	194629.561	173844.593	151476.722	121941.464	155731.053	144480.355
1679.68	1421.58	3996.78	3711.42	3375.6	3002.66	4313.46	3850.62
230.9868	141.834	227.3425	165.34	252.1435	202.5415	198.408	281.078
92842.5277	86647.1026	226351.53	203255.922	178328.593	145804.966	189919.526	175104.318
12983.9264	10988.8134	31494.6264	29245.9896	26599.728	23660.9608	33990.0648	30342.8856
		0.06	0.3	0.41		0.01	
10.985617	10.974877	10.970932	10.978275	10.952476	10.97613	11.147625	11.053228
0.664632	0.671706	0.703289	0.690226	0.681979	0.667046	0.609162	0.634192
0.637964	0.648093	0.680848	0.665756	0.656776	0.640432	0.590428	0.611126
591882.412	775201.133	748905.686	682799.235	678947.237	498415.558	682577.599	719060.481
2516.2382	2773.34631	2688.40497	2561.93747	2831.25899	2309.90435	3256.08193	2977.37941
23793.54	26473.342	25392.936	23647.656	26827.998	23885.568	22020.614	23877.942
0.040952	0.035597	0.034315	0.035593	0.037146	0.040982	0.032886	0.036619
258799.73	287579.103	274641.664	256261.393	291038.272	259470.563	241498.868	260761.891
267310.641	296783.78	290370	271638.01	308649.138	274181.261	253507.87	275626.896
2.6185	2.6185	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049
411103.37	456819.406	451758.074	421524.365	478728.853	426803.129	397241.488	428927.234
35768.64	39393.9	36016.17	34255.71	39330.63	35767.53	36069.45	37641.21
106.454285	107.048641	107.190982	107.049093	106.876711	106.450982	107.349553	106.935255
37296	40848	37296	35520	40848	37296	37296	39072
111	111	111	111	111	111	111	111
23793.54	26473.342	25392.936	23647.656	26827.998	23885.568	22020.614	23877.942
30.499138	30.509582	31.472298	31.518979	31.453144	31.596245	32.024742	31.727226
30.241777	30.216188	31.187477	31.203542	31.13316	31.202376	31.673457	31.41254
718940.61	799267.692	786288.777	734767.396	835618.198	744781.528	689897.545	747303.783
866697.07	975161.737	1452609.49	1276172.59	1137281.09	911693.657	1003081.42	981040.811
147756.459	175894.045	666320.714	541405.193	301662.896	166912.129	313183.879	233737.029
866697.07	975161.737	1452609.49	1276172.59	1137281.09	911693.657	1003081.42	981040.811
322.24	354.9	324.47	308.61	354.33	322.23	324.95	339.11
121746.039	17582.5985	31565.7207	46071.1007	148941.031	238636.04	1422.88528	21549.3413
184231.215	25995.4861	76524.9918	103303.493	248468.131	358596.869	2539.05788	34571.8095
31.932924	12.830444	13.083541	18.022534	29.850952	44.505572	3.440704	16.127653
4166.30783	603.10149	1051.16983	1527.26833	4956.30539	7943.97293	47.889531	717.237107
24.481291	27.538591	27.149623	25.959234	24.934271	24.283396	20.184112	23.546963
24.417117	27.528273	27.14176	25.948092	24.864181	24.083147	20.181005	23.530433
23793.54	26473.342	25392.936	23647.656	26827.998	23885.568	22020.614	23877.942
70.814107	71.938429	75.574214	73.898925	72.902168	71.088	65.537541	67.835062
12481.8405	25576.4481	522765.516	407457.363	149537.192	31286.8662	186952.421	97436.7886
12481.8405	25576.4481	522765.516	407457.363	149537.192	31286.8662	186952.421	97436.7886
19627.2322	25870.2405	24341.7662	22120.3877	21871.6926	15941.5951	21972.7245	23160.7049
591882.412	775201.133	748905.686	682799.235	678947.237	498415.558	682577.599	719060.481
94.68	32.47	22.3	25.16	50.87	47.48	1.4	8.69
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191.6	289.72	215.6	199.45	196.76	161.73	241.91	246.53
73692.2376	96323.9193	87704.271	79863.6018	82115.4364	66847.4171	66469.3177	79717.1159
0.68	0.83	0.73	0.74	0.97	0.97	0.74	0.84
5312.16	6483.96	5817.37	5897.06	7729.93	7729.93	5897.06	6693.96
854215.229	949585.289	929843.975	868715.226	987743.903	880406.791	816129.003	883604.023
854215.229	949585.289	929843.975	868715.226	987743.903	880406.791	816129.003	883604.023
678414.011	753603.185	742128.073	693162.375	787377.991	700984.39	650749.358	704554.13
23793.54	26473.342	25392.936	23647.656	26827.998	23885.568	22020.614	23877.942
5312.16	6483.96	5817.37	5897.06	7729.93	7729.93	5897.06	6693.96
854215.229	949585.289	929843.975	868715.226	987743.903	880406.791	816129.003	883604.023
35214.4392	39180.5462	38343.3334	35707.9606	40510.277	36067.2077	33251.1271	36055.6924
		11.06	13.88	40.98	52.66	1.94	10.22
		0.45	0.45			0.45	0.15
		0.018065	0.009281			0.001964	0.000056
		0.016041	0.009281			0.001964	0.000056
		9.471295	18.942591				
		0.032145	0.070544				
		16.17	8.91			1.98	0.06
0.025982	0.029157	0.034583	0.032531	0.026358	0.035505	0.024851	0.038011
		242.55	133.65			29.7	0.9
		4812.17358	2651.60585			589.245744	17.855931
		0.631419	0.631419			0.631419	0.210473
		292.85487	161.36901			35.85978	1.08666
981.81	1071.81	973.14	928.77	1074.9	972.21	982.95	1015.86
2.922053	2.912527	2.89625	2.902406	2.920923	2.893482	2.925446	2.885965
1008	1104	1008	960	1104	1008	1008	1056
3	3	3	3	3	3	3	3
		16.17	8.91			1.98	0.06
		9.471295	9.471295			9.471295	3.157098
		9.471295	9.471295			9.471295	3.157098
		5105.02845	2812.97486			625.105524	18.942591
		7082.98633	3528.44886			699.676297	19.617929
		1977.95788	715.473999			74.570773	0.675337
		7082.98633	3528.44886			699.676297	19.617929
		5.39	2.97			0.66	0.02
		5095.55715	2794.03227			625.105524	18.942591
		7069.24774	3507.35078			699.676297	19.617929
		0.09	0.09			0.09	0.03
		16.14	8.85			1.98	0.06
		16.17	8.91			1.98	0.06
		0.048125	0.027843			0.005892	0.00017
		1977.95788	715.473999			74.570773	0.675337
		1977.95788	715.473999			74.570773	0.675337

		0.03	0.06				
		9.471295	18.942591				
		-1977.9579	-715.474			-74.570773	-0.675337
		-9047.2056	-4222.8248			-774.24707	-20.293267
		1483.0199	804.7734			142.7479	6.4312
		0.55	0.87			0.18	0.01
		5105.02845	2812.97486			625.105524	18.942591
		5105.02845	2812.97486			625.105524	18.942591
		5105.02845	2812.97486			625.105524	18.942591
		16.17	8.91			1.98	0.06
		5105.02845	2812.97486			625.105524	18.942591
11.459265	11.431173	11.581178	11.570965	11.469315	11.490915		11.595136
0.750191	0.767738	0.743839	0.735528	0.75599	0.738655		0.706144
0.715169	0.636911	0.710218	0.699561	0.71746	0.699474		0.338528
250143.664	243262.56	254297.057	239282.465	280976.607	250292.102		127329.27
1069.08167	866.463229	914.590816	900.555413	1180.45858	1166.41186		495.770182
10332.77	10078.49	10261.24	9625.96	11353.1	10106.01		5123.97
0.047976	0.046739	0.04625	0.049218	0.051467	0.052678	0.05247	0.043181
117169.177	113960.23	116498.005	109425.493	128584.657	114693.334		58432.3437
120866.089	117497.703	123388.248	116333.241	136459.041	121407.511		61691.4155
2.0478	2.0478	2.0965	2.0965	2.0965	2.0965		2.096499
119254.788	115988.722	120750.182	113419.523	133277.997	118879.641		60565.1242
13754.84	13118.44	13779.78	13082.75	15009.58	13686.9		7251.52
40.937023	35.647934	41.01125	40.883593	40.786902	40.734821		20.600909
14448	15824	14448	13760	15824	14448	14448	15136
43	43	43	43	43	43	43	43
10332.77	10078.49	10261.24	9625.96	11353.1	10106.01		5123.97
24.88366	24.824763	25.67401	25.752442	25.476822	25.61793		25.763776
24.432308	24.377229	25.272665	25.244527	25.029268	25.082903		25.305628
254201.16	247126.842	257844.468	243381.695	285548.826	255337.309		129221.223
351827.985	352156.563	564504.367	487876.282	451038.322	362392.772		205004.873
97626.8252	105029.721	306659.899	244494.587	165489.496	107055.463		75783.65
351827.985	352156.563	564504.367	487876.282	451038.322	362392.772		205004.873
319.33	305.08	320.46	304.25	349.06	318.3		168.64
28.271675	31.616132	26.287926	30.592831	26.866033	28.6029		26.942428
7.067918	6.323226	7.09774	7.342279	7.791149	7.722783		3.77194
10332.77	10078.49	10261.24	9625.96	11353.1	10106.01		5123.97
30.752291	27.387201	30.539404	30.081125	30.850815	30.07741		14.556732
36382.4965	45462.7092	245766.392	187297.882	98278.2954	47105.2571		45241.064
36382.4965	45462.7092	245766.392	187297.882	98278.2954	47105.2571		45241.064

10332.77	10078.49	10261.24	9625.96	11353.1	10106.01		5123.97
250143.664	243262.56	254297.057	239282.465	280976.607	250292.102		127329.27
-97626.825	-105029.72	-306659.9	-244494.59	-165489.5	-107055.46		-75783.65
-97626.825	-105029.72	-306659.9	-244494.59	-165489.5	-107055.46		-75783.65
2.66	2.03	2.33	2.12	3.01	3.3		0.89
	0.130434					1	0.5
72142.5412	82470.1922	85893.769	77874.4494	79923.733	65101.6673		41090.6808
1.05	1	0.9	1.04	1.16	1.28		0.48
4057.4961	3864.282	3547.4112	4099.23072	4572.21888	5045.20704		1891.95264
315445.488	306693.854	318737.976	300578.4	352760.026	315287.514		159763.809
315445.488	306693.854	318737.976	300578.4	352760.026	315287.514		159763.809
240120.877	233486.425	244138.43	229752.764	269737.038	240287.152		122256.54
10332.77	10078.49	10261.24	9625.96	11353.1	10106.01		5123.97
4057.4961	3864.282	3547.4112	4099.23072	4572.21888	5045.20704		1891.95264
315445.488	306693.854	318737.976	300578.4	352760.026	315287.514		159763.809
10022.7869	9776.1353	10158.6276	9529.7004	11239.569	10004.9499		5072.7303
		0.45	0.45			0.45	0.15
		0.016825	0.009281			0.002071	0.000064
		0.015744	0.009281			0.001934	0.000056
			18.942591				
			0.070544				
		15.87	8.91			1.95	0.06
0.027113	0.023532	0.026845	0.027812	0.023695	0.024523	0.02125	0.037784
		238.05	133.65			29.25	0.9
		4722.89392	2651.60585			580.317778	17.855931
		0.631419	0.631419			0.631419	0.210473
		287.42157	161.36901			35.31645	1.08666
980.67	1078.02	980.94	933.3	1077.84	983.28	986.58	1016.1
2.91866	2.929402	2.919464	2.916562	2.928913	2.926428	2.93625	2.886647
1008	1104	1008	960	1104	1008	1008	1056
3	3	3	3	3	3	3	3
		15.87	8.91			1.95	0.06
		9.471295	9.471295			9.471295	3.157098
		9.471295	9.471295			9.471295	3.157098
		5010.31549	2812.97486			615.634228	18.942591
		6930.28356	3528.44886			689.827179	19.617929
		1919.96807	715.473999			74.192951	0.675337
		6930.28356	3528.44886			689.827179	19.617929
		5.29	2.97			0.65	0.02
		5010.31549	2794.03227			615.634228	18.942591
		6930.28356	3507.35078			689.827179	19.617929
		0.09	0.09			0.09	0.03
		15.87	8.85			1.95	0.06

		15.87	8.91		1.95	0.06	
		0.047232	0.027843		0.005803	0.00017	
		1919.96807	715.473999		74.192951	0.675337	
		1919.96807	715.473999		74.192951	0.675337	
			0.06				
			18.942591				
					0.04		
		-1919.9681	-715.474		-74.192951	-0.675337	
		-8850.2516	-4222.8248		-764.02013	-20.293267	
		1454.1957	804.7734		140.5925	6.4312	
		0.58	0.87		0.18	0.01	
		5010.31549	2812.97486		615.634228	18.942591	
		5010.31549	2812.97486		615.634228	18.942591	
		5010.31549	2812.97486		615.634228	18.942591	
		15.87	8.91		1.95	0.06	
		5010.31549	2812.97486		615.634228	18.942591	
3.52086	1.559025	6.371745	7.688845	5.805677	5.781778	4.995354	6.258208
0.026197	0.02341	0.107757	0.121701	0.080629	0.066018	0.161586	0.120358
0.025708	0.022576	0.103279	0.117075	0.077978	0.06422	0.159708	0.118806
1399.01005	5068.5274	15490.4857	13926.5478	4954.06447	1401.01978	18431.7425	38701.0962
5.710738	18.031611	55.254865	51.213324	19.8138	6.26945	85.284994	150.332904
431.9	415.4	1735.1	1873.2	1434.8	1078.9	2683.1	2091
0.033467	0.032241	0.034895	0.03425	0.029035	0.041428	0.027946	0.026875
6139.9	5926.6	24952.3	27021.6	20581.6	15428.9	38718.7	30118.2
29244.0137	33488.7514	126599.426	129442.252	95277.3879	65610.1978	147533.176	119757.772
1.21359	0.620228	1.962906	2.275852	1.784158	1.750855	1.336052	1.738773
259.886903	882.522161	3058.61845	2963.33805	1032.60888	328.768196	4778.44197	9730.40695
16246.3	17799.1	16153.9	15421.7	17868	16039.5	16354.2	17192.4
48.352083	48.367119	48.077083	48.192812	48.554347	47.736607	48.673214	48.842045
16800	18400	16800	16000	18400	16800	16800	17600
50	50	50	50	50	50	50	50
431.9	415.4	1735.1	1873.2	1434.8	1078.9	2683.1	2091
23.654375	15.652805	46.564358	57.933415	43.333833	36.061971	34.998102	42.648256
17.196692	8.834748	28.032168	32.640595	25.374917	24.826082	19.197383	24.895715
29330.5937	33620.2464	127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112
34938.9513	41047.9537	285855.533	246344.333	134711.279	86863.6293	275732.48	191341.298
5608.35756	7427.70736	158685.992	116404.947	39063.1468	21007.4556	127434.293	71085.186
34938.9513	41047.9537	285855.533	246344.333	134711.279	86863.6293	275732.48	191341.298
82.63	56.2	238.34	261.81	210.02	143.18	194.86	222.52
27931.5837	28551.719	111679.055	116012.838	90694.0674	64455.154	129866.444	81555.0157
33298.3512	34935.5483	252133.715	222701.028	127607.09	85081.144	242063.231	128089.605
5.223157	2.441993	9.533516	11.668038	9.026707	8.824516	7.443487	8.253085
413.346659	352.964006	1518.57564	1664.2515	1361.7719	1055.46811	2346.04657	1404.39473
77.188755	93.481817	72.288352	69.473148	68.875828	61.316812	62.902951	65.216023
10.024862	8.408048	24.493439	29.599779	18.485126	11.027462	20.744574	27.949954

431.9	415.4	1735.1	1873.2	1434.8	1078.9	2683.1	2091
1.285416	1.128804	5.163988	5.85375	3.898913	3.211011	7.985416	5.94034
5608.35756	7427.70736	158685.992	116404.947	39063.1468	21007.4556	127434.293	71085.186
5608.35756	7427.70736	158685.992	116404.947	39063.1468	21007.4556	127434.293	71085.186
18.55334	62.435993	216.524361	208.948499	73.028102	23.431889	337.053432	686.605265
1399.01005	5068.5274	15490.4857	13926.5478	4954.06447	1401.01978	18431.7425	38701.0962
6.47	5.31	20.48	26.76	22.03	16.74	41.79	30.05
-5608.3576	-7427.7074	-158685.99	-116404.95	-39063.147	-21007.456	-127434.29	-71085.186
-38906.709	-42363.256	-410819.71	-339105.97	-166670.24	-106088.6	-369497.52	-199174.79
0.03	0.45	1.1	1.53	0.43	0.07	2.09	4.61
3097.4084	3728.1877	16671.6875	17795.138	11782.8291	7700.7237	20341.764	18903.6205
0.1	0.15	0.5	0.28	0.28	0.21	0.51	0.28
52.37	90.795	321.176	197.006	184.52	123.823	329.847	180.358
29330.5937	33620.2464	127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112
29330.5937	33620.2464	127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112
29244.0137	33488.7514	126599.426	129442.252	95277.3879	65610.1978	147533.176	119757.772
431.9	415.4	1735.1	1873.2	1434.8	1078.9	2683.1	2091
52.37	90.795	321.176	197.006	184.52	123.823	329.847	180.358
29330.5937	33620.2464	127169.541	129939.386	95648.1319	65856.1738	148298.186	120256.112
34.21	40.7	248.939	300.128	186.224	122.153	435.163	317.982
			0.03	0.04			
		0.45	0.45			0.45	0.15
		0.017321	0.009281			0.001858	0.000056
		0.017321	0.009281			0.001845	0.000056
		12.628394	25.256788				
		0.04286	0.094059				
		23.28	11.88			2.48	0.08
0.029434	0.03307	0.039464	0.032718	0.025788	0.024494	0.033839	0.032414
		349.2	178.2			37.2	1.2
		6928.10148	3535.47447			738.045174	23.807908
		0.631419	0.631419			0.631419	0.210473
		421.624079	215.15868			44.91528	1.44888
1304.44	1423.32	1290.96	1238.12	1434.04	1311.08	1298.52	1362.36
3.882261	3.867717	3.842142	3.869125	3.896847	3.902023	3.864642	3.87034
1344	1472	1344	1280	1472	1344	1344	1408
4	4	4	4	4	4	4	4
		23.28	11.88			2.48	0.08
		9.471295	9.471295			9.471295	3.157098
		9.471295	9.471295			9.471295	3.157098
		7349.72556	3750.63315			782.960454	25.256788
		10205.8424	4704.59848			873.931445	26.157239
		2856.1168	953.965332			90.97099	0.90045
		10205.8424	4704.59848			873.931445	26.157239
		5.82	2.97			0.62	0.02
		7337.09716	3725.37636			782.960454	25.256788
		10187.5242	4676.46771			873.931445	26.157239

		0.12	0.12			0.12	0.04
		23.24	11.8			2.48	0.08
		458.2177	351.899301				
		4.582177	3.518993				
		23.28	11.88			2.48	0.08
		0.069285	0.037125			0.00738	0.000227
		2856.1168	953.965332			90.97099	0.90045
		2856.1168	953.965332			90.97099	0.90045
		0.04	0.08				
		12.628394	25.256788				
		5.78	2.94			0.61	0.02
		-2856.1168	-953.96533			-90.97099	-0.90045
		-13043.641	-5630.433			-964.90244	-27.057689
		0.01	0.02				
		1604.6392	804.7734			134.0299	6.4312
		0.61	0.87			0.18	0.01
		7349.72556	3750.63315			782.960454	25.256788
		7349.72556	3750.63315			782.960454	25.256788
		7349.72556	3750.63315			782.960454	25.256788
		23.28	11.88			2.48	0.08
		7349.72556	3750.63315			782.960454	25.256788

10.369597	10.359768	10.430361	10.42422	10.360263	10.387272		10.473134
0.589832	0.602492	0.609272	0.594676	0.594013	0.581139		0.497788
0.55911	0.574079	0.573523	0.55987	0.561602	0.546652		0.278066
286711.694	322132.129	306121.049	285613.089	328790.822	291865.021		156374.812
1224.35033	1153.98123	1100.76516	1074.92297	1377.47259	1358.56533		607.924545
11008.658	12379.91	11292.442	10498.694	12110.842	10763.37		5735.74
0.05741	0.048777	0.058809	0.060062	0.05644	0.061488	0.063898	0.05767
112353.573	126179.004	114898.417	107023.457	123420.024	109845.34		58799.7018
115910.522	130305.243	121796.3	113934.731	130824.436	116001.528		62067.5257
2.5022	2.5022	2.6151	2.6151	2.6151	2.6151		2.6151
165406.93	185760.729	178678.528	166432.178	191930.479	170820.488		91439.4163
18559.206	20512.93	18531.664	17625.708	20347.678	18478.924		11457.472
55.235732	55.741657	55.153761	55.080337	55.292603	54.996797		32.549636
19689.6	21564.8	19689.6	18752	21564.8	19689.6	19689.6	20627.2
58.6	58.599999	58.6	58.6	58.599999	58.6	58.6	58.6
11008.658	12379.91	11292.442	10498.694	12110.842	10763.37		5735.74
29.497643	29.407028	30.86376	30.849258	30.493944	30.524676		31.294857
26.433236	26.411301	27.778881	27.757653	27.588269	27.665818		27.893498
308623.557	347024.005	327398.344	307072.352	356345.66	314553.8		169784.872
416334.396	474135.476	698265.146	592464.34	537603.408	426913.246		254310.062
107710.839	127111.471	370866.802	285391.987	181257.748	112359.445		84525.1897
416334.396	474135.476	698265.146	592464.34	537603.408	426913.246		254310.062
316.71	350.05	316.24	300.78	347.23	315.34		195.52
			3.166855	19.514043	338.679456		
			7.063206	25.626003	490.435736		

			0.102216	0.624403	3.390512		
			0.102216	0.645421	12.459547		
26.676097	29.110466	31.145645	31.430433	30.344158	26.575615		24.699282
18.673268	21.25064	21.179038	21.686999	24.275326	24.435436		15.066562
11008.658	12379.91	11292.442	10498.694	12110.842	10763.37		5735.74
32.763863	33.641059	33.608458	32.808418	32.909896	32.033839		16.294715
48983.6262	61157.7059	310809.4	229450.827	116746.102	54943.2865		53790.5856
48983.6262	61157.7059	310809.4	229450.827	116746.102	54943.2865		53790.5856
11008.658	12379.91	11292.442	10498.5918	12110.1966	10750.9105		5735.74
286711.694	322132.129	306121.049	285613.089	328790.822	291865.021		156374.812
			0.01	0.05	0.15		
-107710.84	-127111.47	-370866.8	-285391.99	-181257.75	-112359.45		-84525.19
-107710.84	-127111.47	-370866.8	-285399.05	-181283.37	-112849.88		-84525.19
17.79	18.15	14.19	13.77	17	17.79		10.16
						1	0.40909
67259.3635	87941.903	79236.5617	72384.9028	73984.1326	61152.0518		41523.4322
1.25	1.42	1.19	1.2	1.54	1.25		0.75
21911.8625	24891.8758	21277.2952	21456.096	27535.3232	22350.1		13410.06
367350.769	412977.77	387455.746	363013.513	420857.306	371969.959		200519.476
367350.769	412977.77	387455.746	363013.513	420857.306	371969.959		200519.476
281317.452	316065.973	300474.828	280366.909	322754.915	286822.015		153506.942
11008.658	12379.91	11292.442	10498.694	12110.842	10763.37		5735.74
21911.8625	24891.8758	21277.2952	21456.096	27535.3232	22350.1		13410.06
367350.769	412977.77	387455.746	363013.513	420857.306	371969.959		200519.476
5394.24242	6066.1559	5646.221	5249.347	6055.421	5381.685		2867.87
				0.02	0.12		

2.4	1.5	6.15	7.05	5.1	4.05	4.8	5.55
0.020447	0.021509	0.100464	0.115429	0.0734	0.055048	0.154886	0.110737
0.019761	0.021114	0.096964	0.111406	0.071304	0.054255	0.150208	0.106306
202.986756	928.472913	1993.73405	2187.61758	600.529556	140.967434	2964.65447	5557.34948
0.817505	3.277803	7.127063	8.138683	2.398407	0.635033	13.947466	21.065585
92.96	108.78	456.12	499.1	367.36	255.22	706.58	523.88
0.027678	0.024157	0.022232	0.033687	0.031766	0.037529	0.037708	0.025
1394.4	1631.7	6841.8	7486.5	5510.4	3828.3	10598.7	7858.2
6523.79516	9259.70425	34655.4584	35818.5031	25615.631	16192.8756	40374.0297	31252.6185
0.731147	0.559349	1.790814	1.958145	1.477686	1.159314	1.218347	1.463688
32.054255	163.033006	384.561168	466.735166	121.356987	30.000084	751.932326	1383.91386
4573.8	5027.54	4599.42	4329.08	4988.34	4527.46	4526.62	4804.8
13.6125	13.661793	13.68875	13.528375	13.555271	13.474583	13.472083	13.65
4704	5152	4704	4480	5152	4704	4704	4928
14	14	14	14	14	14	14	14
92.96	108.78	456.12	499.1	367.36	255.22	706.58	523.88
11.146491	8.774966	27.493145	29.806067	22.40555	17.51682	18.552087	23.090526
11.146491	8.774966	27.493145	29.806067	22.40555	17.51682	18.552087	23.090526
6576.29516	9364.70425	34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185
7747.13089	11137.187	79230.1901	68264.5199	35776.3134	21432.403	74282.3729	49419.3763

1170.83573	1772.4828	44259.7317	32320.0168	10024.1825	5155.52741	33614.3431	18009.2578
7747.13089	11137.187	79230.1901	68264.5199	35776.3134	21432.403	74282.3729	49419.3763
38.24	33.79	144.78	148.1	110.81	78.63	118.05	130.28
6373.3084	8436.23133	32976.7243	33756.8855	25151.6014	16135.9082	37703.3753	25852.769
7525.572	10052.9685	74682.2531	64520.8131	34962.0132	21281.8265	69206.7374	40325.8217
2.227639	1.384069	5.668363	6.387882	4.745188	3.771944	4.456884	4.877189
90.823049	97.911132	430.482588	467.984322	359.269534	253.219994	656.451178	431.619075
102.35845	88.484826	78.097589	72.951578	72.048239	66.864441	67.737831	62.697652
2.847287	7.078786	14.794683	17.508378	8.645788	4.011866	16.610385	18.809295
92.96	108.78	456.12	499.1	367.36	255.22	706.58	523.88
0.276666	0.295597	1.3575	1.559687	0.99826	0.759583	2.102916	1.488295
1170.83573	1772.4828	44259.7317	32320.0168	10024.1825	5155.52741	33614.3431	18009.2578
1170.83573	1772.4828	44259.7317	32320.0168	10024.1825	5155.52741	33614.3431	18009.2578
2.13695	10.868867	25.637411	31.115677	8.090465	2.000005	50.128821	92.260924
202.986756	928.472913	1993.73405	2187.61758	600.529556	140.967434	2964.65447	5557.34948
3.6	3.7	11.11	9.31	9.86	7.44	11.65	9.14
-1170.8357	-1772.4828	-44259.732	-32320.017	-10024.182	-5155.5274	-33614.343	-18009.258
-8696.4077	-11825.451	-118941.98	-96840.83	-44986.196	-26437.354	-102821.08	-58335.079
0.07	0.37	0.39	0.52	0.16	0.09	1.13	1.5
1569.9753	2203.1364	9070.9303	9513.2083	6415.8011	3999.7003	10700.9843	9617.4009
0.05	0.1	0.3	0.12	0.13	0.08	0.28	0.15
52.5	105	315	126	136.5	84	294	157.5
6576.29516	9364.70425	34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185
6576.29516	9364.70425	34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185
6523.79516	9259.70425	34655.4584	35818.5031	25615.631	16192.8756	40374.0297	31252.6185
92.96	108.78	456.12	499.1	367.36	255.22	706.58	523.88
52.5	105	315	126	136.5	84	294	157.5
6576.29516	9364.70425	34970.4584	35944.5031	25752.131	16276.8756	40668.0297	31410.1185
			0.06	0.07			
10.950175	10.923456	11.029005	11.04827	10.962415	10.969855	11.270874	11.110607
0.399739	0.396637	0.449275	0.443299	0.427416	0.415929	0.343796	0.377736
0.383795	0.376611	0.432183	0.425241	0.410604	0.398001	0.241195	0.318871
1144379.63	1389547.39	1416603.3	1293088.49	1325183.02	1056063.09	832890.553	1165369.78
4874.16283	4966.38953	5084.13909	4850.94901	5534.87432	4904.67337	3960.18542	4722.53407
47339.508	50877.502	53307.938	49953.93	55469.7	49091.728	29750.364	41204.352
0.035495	0.032065	0.035716	0.036204	0.033525	0.038942	0.035735	0.034927
511677.685	548666.499	577947.149	543569.378	600929.729	531548.491	331821.556	452256.22
619482.674	662851.637	940429.558	868649.749	848302.356	715334.838	604621.987	695211.758
2.526742	2.540627	2.762326	2.747974	2.672138	2.641705	2.868495	2.733494
695765.089	758568.857	754168.207	703058.06	803937.33	716503.257	397696.447	580952.172
2569.92403	7693.33766	18179.67	15211.0385	6631.86321	3043.02906	33052.0763	35596.6565
118281.196	128350.095	118615.899	112803.058	129829.948	117962.679	86312.775	109185.067
352.027369	348.777432	353.023508	352.509556	352.798771	351.079401	256.883258	310.184849
123345.6	135092.8	123345.6	117472	135092.8	123345.6	123345.6	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47339.508	50877.502	53307.938	49953.93	55469.7	49091.728	29750.364	41204.352

145.524475	128.654087	228.382204	243.805065	182.701297	169.91872	140.123609	190.275533
28.913982	28.96954	31.907188	31.785159	30.671746	30.373928	34.23184	31.969954
1410514.74	1523050.59	1812164.42	1683767.73	1777241.54	1542610.65	1076772.91	1373446.12
1793857.07	1968086.8	3622705.73	3104616.83	2559804.88	2007328.26	1742403.63	1974563.27
383342.33	445036.213	1810541.3	1420849.1	782563.341	464717.609	665630.725	601117.145
1793857.07	1968086.8	3622705.73	3104616.83	2559804.88	2007328.26	1742403.63	1974563.27
1188.87	1205.09	1584.05	1545.34	1562.74	1342.31	762.6	1208.21
234853.596	98263.0854	364919.047	359226.85	412221.05	451422.329	237985.294	186080.369
324114.603	128472.138	769156.655	692060.898	628155.943	644601.165	442540.387	295129.361
9.784184	4.320417	5.672133	6.865567	11.816602	14.483086	3.793193	5.017015
6108.30779	1769.77231	5604.49453	6217.26193	9472.01274	11982.797	4467.49918	3805.82093
31.21012	32.431536	37.016284	36.679083	33.295726	29.82954	27.637818	32.665519
31.100931	32.40611	36.970962	36.612079	33.229262	29.738678	27.540257	32.617131
47339.508	50877.502	53307.938	49953.93	55469.7	49091.728	29750.364	41204.352
140.891392	138.254081	158.654577	156.106031	150.73288	146.106333	88.54275	117.057818
128096.17	169197.838	1546035.19	1173763.4	498714.79	211725.981	539399.266	403539.715
128096.17	169197.838	1546035.19	1173763.4	498714.79	211725.981	539399.266	403539.715
41231.2002	49107.7297	47703.4435	43736.6681	45997.6873	37108.931	25282.8648	37398.5311
1144379.63	1389547.39	1416603.3	1293088.49	1325183.02	1056063.09	832890.553	1165369.78
122.44	53.01	85.57	84.57	106.84	98.82	68.42	61.09
-383342.33	-445036.21	-1810541.3	-1420849.1	-782563.34	-464717.61	-665630.72	-601117.15
-707456.93	-573508.35	-2579698	-2112910	-1410719.3	-1109318.8	-1108171.1	-896246.51
213.46	313.9	238.68	220.93	219.49	184.22	250.76	273.66
	0.011857					0.181818	0.082644
224603.552	279568.831	303997.536	277866.269	268374.78	216110.326	113889.484	207849.539
3.7	3.85	5.95	6.4	4.69	4.28	2.59	3.22
31617.3754	35577.7468	31541.5725	31949.7271	40410.6356	35535.6015	6755.2926	22623.903
1665760.9	1798888.97	2076670.53	1930853.42	2061090.09	1795602.28	1203004.37	1571023.55
1665760.9	1798888.97	2076670.53	1930853.42	2061090.09	1795602.28	1203004.37	1571023.55
1315247.76	1421420.49	1694597.77	1571707.81	1652239.69	1431838.09	1002318.43	1276163.93
47339.508	50877.502	53307.938	49953.93	55469.7	49091.728	29750.364	41204.352
31617.3754	35577.7468	31541.5725	31949.7271	40410.6356	35535.6015	6755.2926	22623.903
1665760.9	1798888.97	2076670.53	1930853.42	2061090.09	1795602.28	1203004.37	1571023.55
63649.6049	66052.3508	86025.0874	80110.1916	84591.219	75236.9564	67699.1809	74658.2903
		11.12	14.27	41.52	52.78	1.95	10.22

2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
355529.303	709599.832	470750.393	405501.744	345477.397	226295.084	370276.828	588590.794
1509.83161	2526.98588	1681.47661	1510.2015	1440.21744	1049.13007	1761.95659	2438.22809
-78762.654	-102805.4	-93573.561	-85274.569	-87833.902	-72210.714	-70470.165	-85335.67
78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704
355529.303	709599.832	470750.393	405501.744	345477.397	226295.084	370276.828	588590.794
212.4	313.66	238.35	219.7	218.56	183.8	264.8	279.82
156.501091	204.362714	183.663208	177.981636	154.201604	130.926358	155.88977	197.205462
74.849268	95.962455	87.751385	85.069595	71.815207	59.855463	82.819472	96.358686
18245.4332	32057.5702	25090.1486	22300.1692	18249.025	12359.2965	24824.3614	29543.4222

-78762.654	-102805.4	-93573.561	-85274.569	-87833.902	-72210.714	-70470.165	-85335.67
-234.41266	-279.3625	-278.49274	-266.48303	-238.67908	-214.91284	-209.73263	-242.43088
-2424226.2	-3229082.5	-4272542.6	-3635979.5	-3113471.5	-2317169.2	-2341866.9	-2870253
-30.785031	-31.439243	-45.772161	-42.748824	-35.446431	-32.065232	-33.206844	-33.527598
-2424226.2	-3229082.5	-4272542.6	-3635979.5	-3113471.5	-2317169.2	-2341866.9	-2870253
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2779755.49	3938682.36	4743292.97	4041481.24	3458948.88	2543464.28	2712143.72	3458843.81
78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
355529.303	709599.832	470750.393	405501.744	345477.397	226295.084	370276.828	588590.794
1509.83161	2526.98588	1681.47661	1510.2015	1440.21744	1049.13007	1761.95659	2438.22809
-78762.654	-102805.4	-93573.561	-85274.569	-87833.902	-72210.714	-70470.165	-85335.67
78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704
355529.303	709599.832	470750.393	405501.744	345477.397	226295.084	370276.828	588590.794
212.4	313.66	238.35	219.7	218.56	183.8	264.8	279.82
156.501091	204.362714	183.663208	177.981636	154.201604	130.926358	155.88977	197.205462
74.849268	95.962455	87.751385	85.069595	71.815207	59.855463	82.819472	96.358686
18245.4332	32057.5702	25090.1486	22300.1692	18249.025	12359.2965	24824.3614	29543.4222
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-30.785031	-31.439243	-45.772161	-42.748824	-35.446431	-32.065232	-33.206844	-33.527598
-2424226.2	-3229082.5	-4272542.6	-3635979.5	-3113471.5	-2317169.2	-2341866.9	-2870253
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2779755.49	3938682.36	4743292.97	4041481.24	3458948.88	2543464.28	2712143.72	3458843.81
78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02

213204.311	237617.569	236042.965	232855.633	266643.445	261859.967	241734.825	204479.314
912.8391	853.647782	849.726642	876.660234	1122.79196	1222.46285	1156.00384	858.001073
6441.21786	7178.77852	6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465
197123.133	223725.543	309546.162	284518.655	269441.832	239999.048	229591.534	192329.003
6441.21786	7178.77852	6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465
19.170291	19.50755	20.262729	20.988573	20.89918	22.478948	20.751337	16.755325
-16081.179	-13892.026	73503.1973	51663.022	2798.38637	-21860.919	-12143.291	-12150.311

-16081.179	-13892.026	73503.1973	51663.022	2798.38637	-21860.919	-12143.291	-12150.311
6441.21786	7178.77852	6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465
213204.311	237617.569	236042.965	232855.633	266643.445	261859.967	241734.825	204479.314
16081.1786	13892.0261	-73503.197	-51663.022	-2798.3864	21860.919	12143.2906	12150.311
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78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704
213204.311	237617.569	236042.965	232855.633	266643.445	261859.967	241734.825	204479.314
213204.311	237617.569	236042.965	232855.633	266643.445	261859.967	241734.825	204479.314
6441.21786	7178.77852	6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465
213204.311	237617.569	236042.965	232855.633	266643.445	261859.967	241734.825	204479.314
213204.311	237617.569	236042.965	232855.633	266643.445	261859.967	241734.825	204479.314
6441.21786	7178.77852	6808.27705	6716.34361	7690.89833	7552.92666	6972.44952	5897.87465
197123.133	223725.543	309546.162	284518.655	269441.832	239999.048	229591.534	192329.003
-16081.179	-13892.026	73503.1973	51663.022	2798.38637	-21860.919	-12143.291	-12150.311
213204.311	237617.569	236042.965	232855.633	266643.445	261859.967	241734.825	204479.314

212515.046	236796.3	232922.891	229812.186	263105.619	258669.79	238612.593	201372.901
909.887712	850.722472	838.4979	865.194437	1107.89989	1207.53151	1141.06265	845.042847
7235.78639	8062.523	7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157
221446.877	251235.846	347779.338	319732.82	302716.877	269983.472	258041.462	215567.303
23.473217	27.566886	29.061146	28.849992	25.665229	35.877676	19.887376	21.892098
0.469464	2.756688	1.743668	1.442499	0.513304	1.435107	13.125668	9.632523
7235.78639	8062.523	7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157
21.535078	21.909029	22.76594	23.584994	23.479833	25.282448	23.322053	18.787589
8931.83087	14439.5452	114856.446	89920.634	39611.258	11313.6818	19428.8693	14194.4016
8931.83087	14439.5452	114856.446	89920.634	39611.258	11313.6818	19428.8693	14194.4016
7235.78639	8062.523	7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157
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0.1	1.09	0.63	0.23	0.15	0.18	14.87	7.03
78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704
212515.046	236796.3	232922.891	229812.186	263105.619	258669.79	238612.593	201372.901
212515.046	236796.3	232922.891	229812.186	263105.619	258669.79	238612.593	201372.901
7235.78639	8062.523	7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157
212515.046	236796.3	232922.891	229812.186	263105.619	258669.79	238612.593	201372.901
212515.046	236796.3	232922.891	229812.186	263105.619	258669.79	238612.593	201372.901
7235.78639	8062.523	7649.35603	7547.19822	8640.57862	8494.9028	7836.20995	6613.23157
221446.877	251235.846	347779.338	319732.82	302716.877	269983.472	258041.462	215567.303
8931.83087	14439.5452	114856.446	89920.634	39611.258	11313.6818	19428.8693	14194.4016
212515.046	236796.3	232922.891	229812.186	263105.619	258669.79	238612.593	201372.901

122818.565	165332.674	157530.977	136019.854	177782.426	161267.098	140453.78	165754.815
525.409846	593.988173	565.969693	511.769067	749.887687	755.594469	672.305278	695.54834
2397.39537	3227.26281	3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293
73127.1287	99301.3625	137653.239	109848.654	121458.044	97863.5924	90355.8461	105231.163
2397.39537	3227.26281	3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293

7.135105	8.769735	9.151711	8.297131	9.430107	9.36876	8.159617	9.191769
-49691.436	-66031.311	-19877.738	-26171.2	-56324.382	-63403.505	-50097.934	-60523.652
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2397.39537	3227.26281	3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293
122818.565	165332.674	157530.977	136019.854	177782.426	161267.098	140453.78	165754.815
49691.436	66031.3115	19877.7384	26171.2001	56324.382	63403.5053	50097.934	60523.6519
49691.436	66031.3115	19877.7384	26171.2001	56324.382	63403.5053	50097.934	60523.6519
78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	64587.0252	82272.5831
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2397.39537	3227.26281	3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293
122818.565	165332.674	157530.977	136019.854	177782.426	161267.098	140453.78	165754.815
122818.565	165332.674	157530.977	136019.854	177782.426	161267.098	140453.78	165754.815
2397.39537	3227.26281	3074.97516	2655.08205	3470.27964	3147.90353	2741.63147	3235.50293
73127.1287	99301.3625	137653.239	109848.654	121458.044	97863.5924	90355.8461	105231.163
-49691.436	-66031.311	-19877.738	-26171.2	-56324.382	-63403.505	-50097.934	-60523.652
122818.565	165332.674	157530.977	136019.854	177782.426	161267.098	140453.78	165754.815

224171.13	221373.252	232316.211	165908.961	270809.879	253734.758	201216.835	189374.102
959.631345	798.344684	838.391623	626.5083	1141.21561	1186.70252	963.837189	799.416513
3211.62077	3171.53656	3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795
98259.9508	96635.4604	144009.207	95305.0066	132299.658	110774.383	91521.5963	83380.8184
3211.62077	3171.53656	3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795
9.558395	8.618305	9.664765	7.247211	10.286502	10.555814	8.370976	7.520193
-125911.18	-124737.79	-88307.003	-70603.954	-138510.22	-142960.38	-109695.24	-105993.28
-125911.18	-124737.79	-88307.003	-70603.954	-138510.22	-142960.38	-109695.24	-105993.28
3211.62077	3171.53656	3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795
224171.13	221373.252	232316.211	165908.961	270809.879	253734.758	201216.835	189374.102
125911.179	124737.791	88307.0031	70603.9541	138510.221	142960.375	109695.238	105993.284
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78614.5427	100991.253	93573.5614	85274.5688	87833.9019	72210.7142	70304.6921	84873.2334
224171.13	221373.252	232316.211	165908.961	270809.879	253734.758	201216.835	189374.102
224171.13	221373.252	232316.211	165908.961	270809.879	253734.758	201216.835	189374.102
3211.62077	3171.53656	3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795
224171.13	221373.252	232316.211	165908.961	270809.879	253734.758	201216.835	189374.102
224171.13	221373.252	232316.211	165908.961	270809.879	253734.758	201216.835	189374.102
3211.62077	3171.53656	3247.36106	2319.10764	3785.43303	3546.75368	2812.64795	2647.10795
98259.9508	96635.4604	144009.207	95305.0066	132299.658	110774.383	91521.5963	83380.8184
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224171.13	221373.252	232316.211	165908.961	270809.879	253734.758	201216.835	189374.102

772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133
3307.76801	3096.70311	3092.58586	2880.13204	4121.79515	4372.29135	3933.20896	3198.00877
19286.0204	21640.1009	20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171
589957.089	670898.211	938987.946	809405.135	825916.411	718620.496	669510.439	596508.288
23.473217	27.566886	29.061146	28.849992	25.665229	35.877676	19.887376	21.892098
0.469464	2.756688	1.743668	1.442499	0.513304	1.435107	13.125668	9.632523

19286.0204	21640.1009	20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171
57.39887	58.804621	61.845146	60.117911	64.095623	67.685972	60.603984	52.254878
-182751.96	-190221.58	80174.9022	44808.5018	-152424.96	-216911.12	-152507.59	-164472.85
-182751.96	-190221.58	80174.9022	44808.5018	-152424.96	-216911.12	-152507.59	-164472.85
19286.0204	21640.1009	20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133
182751.963	190221.584	-80174.902	-44808.502	152424.958	216911.118	152507.594	164472.845
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0.1	1.09	0.63	0.23	0.15	0.18	14.87	7.03
314902.504	409407.456	374294.246	341098.275	351335.608	288842.857	275832.048	337817.157
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133
19286.0204	21640.1009	20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133
19286.0204	21640.1009	20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171
589957.089	670898.211	938987.946	809405.135	825916.411	718620.496	669510.439	596508.288
-182751.96	-190221.58	80174.9022	44808.5018	-152424.96	-216911.12	-152507.59	-164472.85
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133

10.950175	10.923456	11.029005	11.04827	10.962415	10.969855	11.270874	11.110607
0.399739	0.396637	0.449275	0.443299	0.427416	0.415929	0.343796	0.377736
0.383795	0.376611	0.432183	0.425241	0.410604	0.398001	0.241195	0.318871
2424226.18	3229082.52	4272542.58	3635979.49	3113471.49	2317169.2	2341866.89	2870253.02
2272617.98	2960267.02	2746166.74	2463186.87	2649001.78	2217889.78	2025185.41	2514941.71
9691.76245	10590.0785	9858.20156	9241.28255	11096.8869	10326.0948	9655.35098	10358.7709
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2854455.31	3126308.2	2911544.42	2772899.44	3188834.36	2911544.42	2911544.42	3050189.39
0.035495	0.032065	0.035716	0.036204	0.033525	0.038942	0.035735	0.034927
511677.685	548666.499	577947.149	543569.378	600929.729	531548.491	331821.556	452256.22
619482.674	662851.637	940429.558	868649.749	848302.356	715334.838	604621.987	695211.758
2.526742	2.540627	2.762326	2.747974	2.672138	2.641705	2.868495	2.733494
695765.089	758568.857	754168.207	703058.06	803937.33	716503.257	397696.447	580952.172
2569.92403	7693.33766	18179.67	15211.0385	6631.86321	3043.02906	33052.0763	35596.6565
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352.027369	348.777432	353.023508	352.509556	352.798771	351.079401	256.883258	310.184849
123345.6	135092.8	123345.6	117472	135092.8	123345.6	123345.6	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47339.508	50877.502	53307.938	49953.93	55469.7	49091.728	29750.364	41204.352
145.524475	128.654087	228.382204	243.805065	182.701297	169.91872	140.123609	190.275533
28.913982	28.96954	31.907188	31.785159	30.671746	30.373928	34.23184	31.969954
1410514.74	1523050.59	1812164.42	1683767.73	1777241.54	1542610.65	1076772.91	1373446.12
1793857.07	1968086.8	3622705.73	3104616.83	2559804.88	2007328.26	1742403.63	1974563.27
78762.6538	102805.401	93573.5614	85274.5688	87833.9019	72210.7142	70470.1651	85335.6704
383342.33	445036.213	1810541.3	1420849.1	782563.341	464717.609	665630.725	601117.145

2383814.16	2638985.02	4561693.67	3914021.96	3385721.29	2725948.76	2411914.07	2571071.56
1188.87	1205.09	1584.05	1545.34	1562.74	1342.31	762.6	1208.21
234853.596	98263.0854	364919.047	359226.85	412221.05	451422.329	237985.294	186080.369
24.174887	24.642155	34.307151	32.238278	27.222671	25.0663	25.77666	25.602012
355529.303	709599.832	470750.393	405501.744	345477.397	226295.084	370276.828	588590.794
212.4	313.66	238.35	219.7	218.56	183.8	264.8	279.82
156.501091	204.362714	183.663208	177.981636	154.201604	130.926358	155.88977	197.205462
6.237439	7.996871	5.484461	5.316849	5.9846	4.987955	5.915676	6.022417
18,245	32,058	25,090	22,300	18,249	12,359	24,824	29,543
324114.603	128472.138	769156.655	692060.898	628155.943	644601.165	442540.387	295129.361
5.707441	2.520243	3.899592	4.720077	6.893018	8.448467	2.438481	3.449197
6,108	1,770	5,604	6,217	9,472	11,983	4,467	3,806
31.127831	32.318604	36.989703	36.67734	33.256909	29.851674	26.922948	31.825696
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5109505.83	6681703.79	4994964.53	4656662.18	5389488.92	4562601.04	4668024.62	5777259.54
	0.011857					0.181818	0.082644
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3.7	3.85	5.95	6.4	4.69	4.28	2.59	3.22
31617.3754	35577.7468	31541.5725	31949.7271	40410.6356	35535.6015	6755.2926	22623.903
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4862696.14	5889091.28	7208026.16	6331429.55	6152902.95	5048303.09	4366889.29	5202257.71
1315247.76	1421420.49	1694597.77	1571707.81	1652239.69	1431838.09	1002318.43	1276163.93
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4862696.14	5889091.28	7208026.16	6331429.55	6152902.95	5048303.09	4366889.29	5202257.71
63649.6049	66052.3508	86025.0874	80110.1916	84591.219	75236.9564	67699.1809	74658.2903
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133
19286.0204	21640.1009	20779.9693	19237.7315	23587.1896	22742.4867	20362.9389	18393.7171
589957.089	670898.211	938987.946	809405.135	825916.411	718620.496	669510.439	596508.288
-182751.96	-190221.58	80174.9022	44808.5018	-152424.96	-216911.12	-152507.59	-164472.85
772709.052	861119.795	858813.044	764596.633	978341.369	935531.613	822018.033	760981.133

2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023-01	2023-02
2772899.44	3188834.36	2911544.42	2911544.42	2911544.42	3050189.39	3111193.18	2828357.43
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2772899.44	3188834.36	2911544.42	2911544.42	2911544.42	3050189.39	3111193.18	2828357.43
2772899.44	3188834.36	2911544.42	2911544.42	2911544.42	3050189.39	3111193.18	2828357.43
2772899.44	3188834.36	2911544.42	2911544.42	2911544.42	3050189.39	3111193.18	2828357.43
41.371253	37.615203	31.722093	31.916373	31.786853	32.434453	48.515813	45.214613
21.532179	21.532139	21.53224	21.532159	21.532199	21.532098	21.962864	21.962924
41.243794	37.487744	31.594634	31.788915	31.659394	32.306994	48.392104	45.090904
41.341839	37.585789	31.692679	31.886959	31.757439	32.405039	48.487265	45.186065
40.606504	36.850454	30.957344	31.151624	31.022104	31.669704	47.773561	44.472361
40.890833	37.134783	31.241673	31.435953	31.306433	31.954033	48.049527	44.748327
41.32223	37.56618	31.67307	31.86735	31.73783	32.38543	48.468233	45.167033
41.361448	37.605398	31.712288	31.906568	31.777048	32.424648	48.506297	45.205097
19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	20.236722	20.236722
1.06	1.06	1.06	1.06	1.06	1.06	1.09	1.09
41.05751	37.30146	31.40835	31.60263	31.47311	32.12071	48.2113	44.9101
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31.302314	28.798018	24.870535	25.007383	24.978846	25.464592	36.2815	34.081482
31.302314	28.798018	24.870535	25.007383	24.978846	25.464592	36.2815	34.081482

		0.41682				0.27788	0.13894
		0.014025				0.000202	0.000305
		0.013915				0.000202	0.000305
		195.76799					
		0.701542					
		105.2				1.6	2.2
0.026656	0.024945	0.031785	0.031011	0.037589	0.022897	0.026363	0.037375
		1461.6488				22.2304	30.5668
		28999.0012				449.870436	618.57185
		0.631419				0.429364	0.214682
		1764.79476				27.376737	37.643014
7008.075	8073.45	7319.7	7325.55	7275.825	7738.65	7711.2	6930.9
21.900234	21.938722	21.784821	21.802232	21.654241	21.984801	21.906818	21.659062
7200	8280	7560	7560	7560	7920	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
		105.2				1.6	2.2
		8.828815				6.233237	3.035996
		8.828815				6.233237	3.035996
		30909.6551				497.435774	667.919164
		74407.2227				513.676989	731.354914
		43497.5676				16.241214	63.435749
		74407.2227				513.676989	731.354914
		8.7				0.1	0.61
		30713.8872				497.435774	667.919164
		74193.6111				513.676989	731.354914
		0.599611				0.4	0.2
		104.533127				1.6	2.2
		298.080157					
		5.961603					
		105.2				1.6	2.2
		0.313095				0.004545	0.006875
		43497.5676				16.241214	63.435749
		43497.5676				16.241214	63.435749
		0.666872					
		195.76799					
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		0.02					
		1196.5109				23.3948	32.3975
		0.03				0.02	0.01
		26.9832				18.3486	9.1743
		30909.6551				497.435774	667.919164
		30909.6551				497.435774	667.919164
		30763.7959				477.247174	656.214864

		105.2				1.6	2.2
		26.9832				18.3486	9.1743
		30909.6551				497.435774	667.919164
		118.876				1.84	2.53
8.10034	6.21654	1.97799	6.12235	4.80369	3.67341	5.745589	6.21654
0.313831	0.256905	0.13526	0.162417	0.094618	0.060892	0.27832	0.23835
0.304156	0.249592	0.128958	0.157619	0.09116	0.059431	0.273323	0.232156
203256.489	151921.033	27727.7322	70586.9724	16760.6297	39615.9547	152370.989	102896.994
664.63287	525.109946	116.244529	321.011389	68.425701	135.534512	527.742555	367.769102
5645.14	5327.3	2513.14	3071.68	1776.54	1213.36	5580.18	4308.82
0.029656	0.025244	0.038511	0.028898	0.028601	0.024715	0.023096	0.024343
53171.5737	50177.8387	23671.2657	28932.1539	16733.2303	11428.6378	52559.7154	40584.7756
215823.858	204157.44	94272.7398	122442.818	82881.1673	60655.2604	290734.535	222893.88
3.428109	2.646235	0.84452	2.710437	2.418679	2.145008	3.108347	3.23077
41486.5138	31010.2247	5653.88981	13870.6925	2843.24387	6398.7824	23891.7193	16019.6377
18009.58	20805.18	18737.48	18924.82	18930.62	19911.4	19944.46	18108.18
56.279937	56.535815	55.766309	56.323869	56.34113	56.566477	56.660397	56.588062
18560	21344	19488	19488	19488	20416	20416	18560
58	58	58	58	58	58	58	58
5645.14	5327.3	2513.14	3071.68	1776.54	1213.36	5580.18	4308.82
39.307575	30.230617	9.627081	30.99729	27.098226	23.45741	34.226319	35.767951
39.307575	30.230617	9.627081	30.99729	27.098226	23.45741	34.226319	35.767951
260762.246	246388.708	114171.353	147032.071	97111.7785	70373.6102	335839.5	257730.733
412106.708	386329.55	411784.5	193061.038	123423.635	86587.6592	550327.376	431574.511
151344.462	139940.842	297613.147	46028.967	26311.8567	16214.0491	214487.876	173843.778
412106.708	386329.55	411784.5	193061.038	123423.635	86587.6592	550327.376	431574.511
223.87	201.83	86.7	143.12	114.51	126.99	253.85	224.27
57505.7564	94467.6747	86443.6212	76445.099	80351.1488	30757.6555	183468.512	154833.739
84162.1565	145576.61	320309.779	100328.928	101559.962	38023.706	294997.241	255535.66
19.757594	19.188081	10.628139	28.182525	26.228307	12.747637	23.92191	28.002344
1240.58391	2034.99459	1912.87566	1599.05101	1474.6774	534.011618	3043.63479	2608.04096
47.322674	46.952003	46.439306	49.980509	54.314533	61.549875	57.931485	56.257291
40.647966	30.966005	9.271374	30.379723	24.277904	23.962813	34.751759	35.421968
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17.641062	14.476358	7.479583	9.141904	5.287321	3.447045	15.852784	13.465062
151344.462	139940.842	297613.147	46028.967	26311.8567	16214.0491	214487.876	173843.778
151344.462	139940.842	297613.147	46028.967	26311.8567	16214.0491	214487.876	173843.778
4404.55609	3292.30541	600.264339	1472.62899	301.862604	679.348381	2536.54521	1700.77904
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-235506.62	-285517.45	-617922.93	-146357.9	-127871.82	-54237.755	-509485.12	-429379.44
15.7	10.85	0.64	10.33	1.14	4.14	6.44	4.5
29403.3117	25928.438	9834.8895	11821.006	7357.9099	6040.8216	27430.1807	20403.829
1.1	0.61	0.23	0.93	0.56	0.38	0.57	0.46
454.685	252.1435	95.0705	384.4155	231.476	157.073	240.3177	193.9406

260762.246	246388.708	114171.353	147032.071	97111.7785	70373.6102	335839.5	257730.733
260762.246	246388.708	114171.353	147032.071	97111.7785	70373.6102	335839.5	257730.733
215823.858	204157.44	94272.7398	122442.818	82881.1673	60655.2604	290734.535	222893.88
5645.14	5327.3	2513.14	3071.68	1776.54	1213.36	5580.18	4308.82
454.685	252.1435	95.0705	384.4155	231.476	157.073	240.3177	193.9406
260762.246	246388.708	114171.353	147032.071	97111.7785	70373.6102	335839.5	257730.733
44483.7032	41979.124	19803.5432	24204.8384	13999.1352	9561.2768	44864.6472	34642.9128
			0.13			0.05	0.16
10.825698	10.916226	11.360797	10.944039	10.95764	10.926814	10.919969	10.934539
0.74238	0.698819	0.503361	0.681822	0.676053	0.700103	0.732755	0.712549
0.715803	0.671573	0.485602	0.346478	0.653886	0.678257	0.705423	0.687397
773531.845	828145.607	523122.72	314266.813	635830.935	802797.646	837603.067	731857.584
2690.40533	3054.04187	2345.57552	1390.66487	2655.86812	2815.4597	2959.24935	2693.01295
25425.352	27432.414	18111.048	12922.254	24387.356	26500.862	27562.314	24416.374
0.037187	0.03932	0.037857	0.033452	0.035922	0.032301	0.038295	0.035656
273752.911	296807.599	202670.024	140219.638	264682.3	286880.762	297132.373	263866.691
290231.015	314875	215348.063	148837.727	280403.493	305159.195	324565.056	288435.573
2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7866	2.7866
450296.164	488218.819	333371.922	230647.282	435375.914	471890.166	504114.784	447676.229
34199.1	39241.83	35884.08	18895.53	35956.23	37809.93	37575.72	34253.49
106.872187	106.635407	106.797857	56.236696	107.012589	107.414573	106.749204	107.042156
35520	40848	37296	37296	37296	39072	39072	35520
111	111	111	111	111	111	111	111
25425.352	27432.414	18111.048	12922.254	24387.356	26500.862	27562.314	24416.374
31.050905	31.37427	32.590045	31.402635	31.456866	31.347124	32.273751	32.298738
30.793126	31.035332	32.236256	31.113368	31.150484	31.061715	31.96684	32.006899
784577.45	852645.144	581486.588	401786.763	758899.825	823361.173	877790.763	779646.458
1221961.28	1226167.04	987684.956	489687.253	906248.467	990009.494	1629326.68	1355155.32
437383.825	373521.899	406198.369	87900.4894	147348.642	166648.321	751535.922	575508.863
1221961.28	1226167.04	987684.956	489687.253	906248.467	990009.494	1629326.68	1355155.32
308.1	353.53	323.12	170.23	323.93	340.63	338.52	308.59
5387.61571	16371.1566	52944.948	84730.8005	116773.38	14268.0167	33522.7356	41855.4336
7964.41342	25982.5003	219951.431	129070.975	172586.515	20093.0819	70898.441	86333.513
10.33232	13.800852	12.47138	34.342685	29.028452	11.058006	14.000841	18.172713
179.091454	542.062421	1755.3243	2816.93166	3884.97125	473.695636	1077.40133	1347.98855
28.008365	26.726998	12.867677	24.651772	25.507137	29.514743	29.900194	28.406735
28.001533	26.71468	12.851996	24.581789	25.455665	29.505876	29.893884	28.395984
25425.352	27432.414	18111.048	12922.254	24387.356	26500.862	27562.314	24416.374
79.454225	74.544603	53.901928	38.459089	72.581416	75.286539	78.302028	76.301168
294293.178	218380.567	300262.747	14607.6847	8999.20406	16695.747	596224.83	437585.744
294293.178	218380.567	300262.747	14607.6847	8999.20406	16695.747	596224.83	437585.744
25246.2605	26890.3516	16355.7237	10105.3223	20502.3847	26027.1664	26484.9127	23068.3854
773531.845	828145.607	523122.72	314266.813	635830.935	802797.646	837603.067	731857.584
3.38	8.27	7.68	24.39	53.09	16.8	23.3	24.16
-437383.83	-373521.9	-406198.37	-87900.489	-147348.64	-166648.32	-751535.92	-575508.86
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197.51	234.69	256.04	90.5	187.95	283.26	205.46	193.74
			0.47619				
85472.284	92330.5777	70368.9826	37480.9695	75147.9528	94684.1324	93076.3979	81409.2183
0.71	1.02	0.68	0.35	0.79	0.79	0.82	0.73
5657.99	8128.38	5418.92	2789.15	6295.51	6295.51	6664.96	5933.44
927668.097	1007786.48	687422.209	475079.568	897249.263	973313.748	1033101.85	917569.578
927668.097	1007786.48	687422.209	475079.568	897249.263	973313.748	1033101.85	917569.578
740527.179	803093.819	548719.985	379485.01	715779.407	777049.361	828679.84	736111.802
25425.352	27432.414	18111.048	12922.254	24387.356	26500.862	27562.314	24416.374
5657.99	8128.38	5418.92	2789.15	6295.51	6295.51	6664.96	5933.44
927668.097	1007786.48	687422.209	475079.568	897249.263	973313.748	1033101.85	917569.578
38392.2815	41422.9451	27347.6825	19512.6035	36824.9076	40016.3016	42445.9636	37601.216
4.37	11.37	8.4	24.36	44.24	12.18	8.73	12.01
		0.45				0.3	0.15
		0.014702				0.000113	0.00025
		0.014702				0.000113	0.00025
		9.471295					
		0.034386					
		14.82				0.12	0.24
0.033343	0.032527	0.027351	0.026101	0.023898	0.028607	0.032329	0.0235
		222.3				1.8	3.6
		4410.41512				36.4261	72.852201
		0.631419				0.429364	0.214682
		268.40502				2.2167	4.4334
927.99	1068.09	980.43	981.69	983.91	1025.79	1021.86	937.44
2.899968	2.902418	2.917946	2.921696	2.928303	2.914176	2.903011	2.9295
960	1104	1008	1008	1008	1056	1056	960
3	3	3	3	3	3	3	3
		14.82				0.12	0.24
		9.471295				6.440466	3.220233
		9.471295				6.440466	3.220233
		4678.82014				38.6428	77.285601
		10864.6337				40.358991	81.526732
		6185.81361				1.71619	4.241131
		10864.6337				40.358991	81.526732
		4.94				0.04	0.08
		4669.34884				38.6428	77.285601
		10854.4028				40.358991	81.526732
		0.09				0.06	0.03
		14.79				0.12	0.24
		14.82				0.12	0.24
		0.044107				0.00034	0.00075
		6185.81361				1.71619	4.241131
		6185.81361				1.71619	4.241131

		0.03					
		9.471295					
		-6185.8136				-1.71619	-4.241131
		-17040.216				-42.075181	-85.767864
		1121.6475				11.5503	23.722
		0.55				0.02	0.04
		4678.82014				38.6428	77.285601
		4678.82014				38.6428	77.285601
		4678.82014				38.6428	77.285601
		14.82				0.12	0.24
		4678.82014				38.6428	77.285601
11.278482	11.3772	12.264136	11.417021	11.42138	11.359259	11.474796	11.483099
0.81359	0.785719	0.519743	0.758741	0.765686	0.786935	0.776722	0.761799
0.776582	0.754515	0.443588	0.728242	0.726344	0.682416	0.741995	0.722861
261996.2	294053.909	167469.563	260234.837	259183.932	254356.729	282815.247	250659.814
915.59353	1091.70261	760.266403	1176.22367	1088.20582	889.099361	1000.98734	924.443304
10685.78	11939.46	6408.97	10521.65	10494.22	10329.05	11230.84	9946.57
0.046281	0.041195	0.050982	0.040327	0.05244	0.046818	0.046136	0.051937
119958.037	134617.268	76795.8461	119221.634	118681.225	116302.504	126791.539	112524.921
127080.772	142703.045	81525.7882	126245.18	125781.564	123583.424	138567.404	122663.35
2.0965	2.0965	2.0965	2.0965	2.0965	2.0965	2.1391	2.1391
124336.505	139530.798	79598.8945	123573.224	123013.089	120547.546	133017.003	118049.894
13123.17	15172.12	12400.34	13865.35	13690.34	13124.46	14437.68	13045.34
41.009906	41.228586	36.905773	41.265922	40.745059	37.285397	41.016136	40.766687
13760	15824	14448	14448	14448	15136	15136	13760
43	43	43	43	43	43	43	43
10685.78	11939.46	6408.97	10521.65	10494.22	10329.05	11230.84	9946.57
25.055411	25.221891	27.353681	25.303259	25.409384	25.174285	25.968217	26.067941
24.636497	24.842178	26.695332	24.926877	24.935575	24.800161	25.542795	25.560593
266134.846	298034.892	171135.221	263900.496	263440.825	257628.23	286996.462	254881.233
481271.224	499915.38	327511.213	376122.467	367814.958	363965.668	631406.792	522790.939
215136.378	201880.487	156375.991	112221.972	104374.133	106337.438	344410.33	267909.706
481271.224	499915.38	327511.213	376122.467	367814.958	363965.668	631406.792	522790.939
305.19	352.55	288.38	322.45	318.28	305.22	335.76	303.38
28.278599	25.706623	10.313746	27.44266	22.989817	31.653307	29.528881	35.034951
4.241789	7.969053	2.784711	18.386582	4.368065	6.647194	6.496353	7.707689
10685.78	11939.46	6408.97	10521.65	10494.22	10329.05	11230.84	9946.57
33.393062	32.444184	19.074315	31.314434	31.232797	29.343892	31.905795	31.083031
152434.312	131516.041	116234.803	49904.8234	42339.4568	45546.1188	278136.393	209092.929
152434.312	131516.041	116234.803	49904.8234	42339.4568	45546.1188	278136.393	209092.929

10685.78	11939.46	6408.97	10521.65	10494.22	10329.05	11230.84	9946.57
261996.2	294053.909	167469.563	260234.837	259183.932	254356.729	282815.247	250659.814
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-215136.38	-201880.49	-156375.99	-112221.97	-104374.13	-106337.44	-344410.33	-267909.71
1.36	3.27	2.92	18.8	2.69	1.39	2.28	2.12
		0.095238			0.090909		
83893.0313	91775.6943	61303.0078	69162.1892	73092.2422	83237.7492	91371.8928	78980.9835
1.05	1.01	0.93	0.93	1.08	0.83	1.04	1.05
4138.6464	3980.98368	3665.65824	3665.65824	4256.89344	3271.50144	4181.21496	4221.41895
328836.912	368399.339	211276.41	326217.644	325475.501	318419.549	353270.399	313698.009
328836.912	368399.339	211276.41	326217.644	325475.501	318419.549	353270.399	313698.009
251417.277	282233.843	161124.683	249818.404	248794.654	244130.969	271584.407	240713.244
10685.78	11939.46	6408.97	10521.65	10494.22	10329.05	11230.84	9946.57
4138.6464	3980.98368	3665.65824	3665.65824	4256.89344	3271.50144	4181.21496	4221.41895
328836.912	368399.339	211276.41	326217.644	325475.501	318419.549	353270.399	313698.009
10578.9222	11820.0654	6344.8803	10416.4335	10389.2778	10225.7595	11230.84	9946.57
		0.45				0.45	0.15
		0.014702				0.000142	0.00025
		0.014702				0.000142	0.00025
		9.471295					
		0.034386					
		14.82				0.15	0.24
0.038812	0.020625	0.030238	0.028035	0.035595	0.029659	0.034289	0.028562
		222.3				2.25	3.6
		4410.41512				45.532625	72.852201
		0.631419				0.644046	0.214682
		268.40502				2.770875	4.4334
922.74	1081.23	977.52	979.74	972.12	1024.68	1019.79	932.58
2.883562	2.938125	2.909285	2.915892	2.893214	2.911022	2.89713	2.914312
960	1104	1008	1008	1008	1056	1056	960
3	3	3	3	3	3	3	3
		14.82				0.15	0.24
		9.471295				9.6607	3.220233
		9.471295				9.6607	3.220233
		4678.82014				48.3035	77.285601
		10864.6337				50.041936	81.526732
		6185.81361				1.738435	4.241131
		10864.6337				50.041936	81.526732
		4.94				0.05	0.08
		4669.34884				48.3035	77.285601
		10854.4028				50.041936	81.526732
		0.09				0.09	0.03
		14.79				0.15	0.24

		14.82				0.15	0.24
		0.044107				0.000426	0.00075
		6185.81361				1.738435	4.241131
		6185.81361				1.738435	4.241131
		0.03					
		9.471295					
		-6185.8136				-1.738435	-4.241131
		-17040.216				-51.780371	-85.767864
		1121.6475				14.5367	23.722
		0.55				0.03	0.04
		4678.82014				48.3035	77.285601
		4678.82014				48.3035	77.285601
		4678.82014				48.3035	77.285601
		14.82				0.15	0.24
		4678.82014				48.3035	77.285601
10.112933	7.26287	2.729789	4.659186	3.381582	2.107262	7.255153	7.557133
0.189747	0.150936	0.105296	0.061856	0.030159	0.015101	0.157493	0.140725
0.184068	0.146961	0.102529	0.05988	0.029607	0.014886	0.151545	0.1364
61796.144	35817.2851	7701.56777	11735.4275	3571.36559	3523.17937	28731.7632	21350.6237
194.707704	120.98864	31.8408	52.738876	14.536853	12.081907	99.046427	75.637358
2945.1	2704.1	1722.5	1006	497.4	262	2667.2	2182.4
0.030109	0.032404	0.027217	0.029866	0.026205	0.026818	0.029644	0.036546
42384.3	38900.5	24994.9	14340.8	7077	3716	38430.4	31481.2
171944.857	158081.72	99092.7155	60275.6616	34773.9167	18784.6196	203875.896	167870.944
2.840767	2.048967	0.761115	1.345271	1.134813	0.793982	2.424549	2.514225
15230.259	8846.74158	1889.56849	2792.72052	705.586128	697.967939	5440.41762	3911.04719
15488.4	17820.1	16315.3	16287.6	16390.8	17153.5	17075.7	15360.5
48.40125	48.424184	48.55744	48.475	48.782142	48.731534	48.510511	48.001562
16000	18400	16800	16800	16800	17600	17600	16000
50	50	50	50	50	50	50	50
2945.1	2704.1	1722.5	1006	497.4	262	2667.2	2182.4
73.632112	55.393778	21.039975	28.422367	22.786186	15.339322	62.479559	66.628851
40.88166	29.298731	10.967605	19.117679	16.074081	11.264778	34.77424	36.162419
172872.673	158602.259	99507.7335	60545.8116	34883.2247	18886.9826	204823.197	168370.162
253116.334	232411.963	347974.164	76082.058	41930.3438	22480.2607	312286.455	256928.787
80243.6614	73809.7041	248466.43	15536.2464	7047.11902	3593.27813	107463.258	88558.6259
253116.334	232411.963	347974.164	76082.058	41930.3438	22480.2607	312286.455	256928.787
308.89	278.85	135.15	115.65	85.38	57.43	288.64	278.85
111076.529	122784.973	91806.1658	48810.3842	31311.8592	15363.8032	176091.434	147019.538
159096.279	179967.364	325370.517	61072.0537	37397.6253	18195.8762	267735.666	224696.644
12.921212	10.435166	4.409095	6.459681	5.076916	2.936662	11.13569	11.686005
1872.23044	2080.37416	1589.365	808.15611	447.254044	212.604832	2283.30612	1907.75366
66.4433	66.714126	65.478395	61.040919	74.901841	78.246141	79.085844	80.908668
45.741896	33.354405	10.476543	17.644739	8.959239	10.813173	33.798025	35.599813

2945.1	2704.1	1722.5	1006	497.4	262	2667.2	2182.4
9.203437	7.348097	5.126488	2.994047	1.480357	0.744318	7.577272	6.82
80243.6614	73809.7041	248466.43	15536.2464	7047.11902	3593.27813	107463.258	88558.6259
80243.6614	73809.7041	248466.43	15536.2464	7047.11902	3593.27813	107463.258	88558.6259
1072.86956	623.72584	133.134996	197.843889	50.145955	49.395167	383.893881	274.646338
61796.144	35817.2851	7701.56777	11735.4275	3571.36559	3523.17937	28731.7632	21350.6237
40.05	39.53	25.66	14.29	7.13	3.44	42.56	34.69
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8.49	5	0.78	0.94	0.23	0.48	2.7	2.48
31430.1247	26713.5924	14826.5251	7044.1745	3673.146	2218.7415	26802.5518	21458.838
0.79	0.2	0.13	0.32	0.12	0.15	0.81	0.22
493.557	127.638	83.589	173.422	66.594	84.283	529.621	143.638
172872.673	158602.259	99507.7335	60545.8116	34883.2247	18886.9826	204823.197	168370.162
172872.673	158602.259	99507.7335	60545.8116	34883.2247	18886.9826	204823.197	168370.162
171944.857	158081.72	99092.7155	60275.6616	34773.9167	18784.6196	203875.896	167870.944
2945.1	2704.1	1722.5	1006	497.4	262	2667.2	2182.4
493.557	127.638	83.589	173.422	66.594	84.283	529.621	143.638
172872.673	158602.259	99507.7335	60545.8116	34883.2247	18886.9826	204823.197	168370.162
434.259	392.901	331.429	96.728	42.714	18.08	417.68	355.58
		0.45				0.45	0.15
		0.014702				0.000142	0.00025
		0.014702				0.000142	0.00025
		1.143537					
		0.004151					
		19.76				0.2	0.32
0.039437	0.029048	0.02366	0.030565	0.024345	0.033522	0.023721	0.023343
		296.4				3	4.8
		5880.55349				60.710167	97.136268
		0.631419				0.644046	0.214682
		357.873359				3.6945	5.9112
1229.52	1429.24	1312.2	1302.92	1311.28	1360.8	1374.6	1250.12
3.84225	3.883804	3.905357	3.877738	3.902619	3.865909	3.905113	3.906625
1280	1472	1344	1344	1344	1408	1408	1280
4	4	4	4	4	4	4	4
		19.76				0.2	0.32
		9.471295				9.6607	3.220233
		9.471295				9.6607	3.220233
		6238.42685				64.404667	103.047468
		14486.1783				66.722581	108.70231
		8247.75148				2.317913	5.654842
		14486.1783				66.722581	108.70231
		4.94				0.05	0.08
		6237.28331				64.404667	103.047468
		14484.9431				66.722581	108.70231

		0.119721				0.12	0.04
		19.756377				0.2	0.32
		315.70986					
		3.157098					
		19.76				0.2	0.32
		0.058809				0.000568	0.001
		8247.75148				2.317913	5.654842
		8247.75148				2.317913	5.654842
		0.003622					
		1.143537					
		4.93				0.04	0.07
		-8247.7515				-2.317913	-5.654842
		-22732.695				-69.040495	-114.35715
		1121.6475				14.5367	23.722
		0.55				0.03	0.04
		6238.42685				64.404667	103.047468
		6238.42685				64.404667	103.047468
		6238.42685				64.404667	103.047468
		19.76				0.2	0.32
		6238.42685				64.404667	103.047468
10.219398	10.305912	10.952298	10.326976	10.351364	10.316423	10.364918	10.368722
0.659928	0.620024	0.35104	0.586538	0.60565	0.627442	0.642325	0.626361
0.631503	0.582968	0.330008	0.553815	0.579212	0.59879	0.610822	0.593497
319657.197	341089.109	183414.034	296155.633	309713.694	335198.77	354990.028	314029.732
1107.47842	1253.02849	825.246843	1336.49969	1299.614	1176.26008	1255.79158	1156.76928
11841.958	12571.608	6497.732	10904.396	11404.468	12351.366	12599.55	11129.27
0.048093	0.063967	0.055119	0.057232	0.044791	0.046221	0.052272	0.053437
120139.617	127881.852	68802.6232	111261.098	116277.342	125651.325	127834.191	113181.083
126907.099	135934.237	73186.9563	117707.696	123200.981	133622.711	139913.291	123629.995
2.6151	2.6151	2.615099	2.6151	2.6151	2.6151	2.7222	2.7222
186829.118	198869.068	106994.959	173022.133	180822.895	195400.376	208650.966	184734.164
17850.146	20185.356	18604.328	18562.722	18807.67	19673.778	19548.96	17749.94
55.781706	54.85151	55.370023	55.246196	55.975208	55.891414	55.536818	55.468562
18752	21564.8	19689.6	19689.6	19689.6	20627.2	20627.2	18752
58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6
11841.958	12571.608	6497.732	10904.396	11404.468	12351.366	12599.55	11129.27
29.615765	30.037495	33.829514	29.774891	30.328657	29.994023	31.528438	31.534231
27.226055	27.449349	29.136586	27.506986	27.571375	27.473862	28.723013	28.732232
340398.09	364690.814	204529.276	316565.319	331003.405	358800.475	378516.636	335560.549
581765.726	587829.469	443980.233	431646.375	441456.404	474558.803	769662.813	651048.62
241367.637	223138.655	239450.956	115081.056	110452.999	115758.328	391146.178	315488.07
581765.726	587829.469	443980.233	431646.375	441456.404	474558.803	769662.813	651048.62
304.61	344.46	317.48	316.77	320.95	335.73	333.6	302.9
		16.747533	26.39469	12.415464			10.354534
		52.607583	48.102788	18.119281			14.896242

		0.356101	0.88484	0.39			0.339461
		0.637795	0.88484	0.39			0.339461
28.544735	28.201547	12.872554	26.816267	29.928062	30.301474	34.270288	35.039946
21.979446	23.125269	9.267502	26.548104	22.146766	23.938164	25.360013	26.980758
11841.958	12571.608	6497.732	10904.396	11404.468	12351.366	12599.55	11129.27
37.006118	34.161978	19.338488	32.453559	33.941869	35.089107	35.794176	34.778968
178570.659	156294.811	203487.825	56924.8804	49674.8328	50080.3803	324327.246	256328.318
178570.659	156294.811	203487.825	56924.8804	49674.8328	50080.3803	324327.246	256328.318
11841.958	12571.608	6497.0942	10903.5112	11404.078	12351.366	12599.55	11128.9305
319657.197	341089.109	183414.034	296155.633	309713.694	335198.77	354990.028	314029.732
		0.01		0.01			0.02
-241367.64	-223138.65	-239450.96	-115081.06	-110453	-115758.33	-391146.18	-315488.07
-241367.64	-223138.65	-239503.56	-115129.16	-110471.12	-115758.33	-391146.18	-315502.97
13.77	16.56	15.01	123.08	16.7	16.66	14.83	12.62
78928.7939	84080.9102	64160.3104	63862.827	69717.6788	86669.2478	85289.4827	74953.9553
1.16	1.32	1.18	1.14	1.19	1.32	1.29	1.18
20740.8928	23601.7056	21098.4944	20383.2912	21277.2952	23601.7056	23526.6072	21520.4624
403195.067	431534.658	240492.407	374721.494	391781.571	424478.423	445335.567	394720.302
403195.067	431534.658	240492.407	374721.494	391781.571	424478.423	445335.567	394720.302
313736.218	334803.305	180181.916	290729.829	304023.875	329023.087	348564.258	308364.159
11841.958	12571.608	6497.732	10904.396	11404.468	12351.366	12599.55	11129.27
20740.8928	23601.7056	21098.4944	20383.2912	21277.2952	23601.7056	23526.6072	21520.4624
403195.067	431534.658	240492.407	374721.494	391781.571	424478.423	445335.567	394720.302
5920.979	6285.804	3248.866	5452.198	5702.234	6175.683	6425.7705	5675.9277
			0.03	0.01			
8.4	6.45	2.4	3.45	2.1	0.9	6.3	6.9
0.174693	0.137944	0.103073	0.052187	0.02473	0.011031	0.144501	0.13438
0.169468	0.135135	0.101577	0.04991	0.024077	0.01071	0.142528	0.131156
10352.8523	6038.58188	1214.82305	1550.18847	530.152643	454.078771	4177.20419	3936.79021
32.37718	20.39249	5.055502	7.036355	2.139199	1.550814	14.351152	13.978193
759.22	696.22	477.82	234.78	113.26	52.78	702.38	587.58
0.028406	0.031956	0.024523	0.031636	0.028988	0.02892	0.020312	0.026062
11388.3	10443.3	7167.3	3521.7	1698.9	791.7	10535.7	8813.7
46191.6664	42507.7328	28366.262	14776.1489	8308.0437	3954.01203	56040.9241	46814.2563
2.267103	1.738508	0.644329	0.972944	0.6771	0.304169	1.998744	2.203954
2549.66612	1487.90369	297.437304	366.557365	105.094024	91.703038	779.705771	723.318553
4352.74	4987.36	4588.64	4555.18	4567.64	4785.48	4827.9	4363.24
13.602312	13.552608	13.656666	13.557083	13.594166	13.595113	13.715625	13.635125
4480	5152	4704	4704	4704	4928	4928	4480
14	14	14	14	14	14	14	14
759.22	696.22	477.82	234.78	113.26	52.78	702.38	587.58
34.647355	26.294903	9.70568	14.74742	10.197892	4.644395	30.619899	33.266522
34.647355	26.294903	9.70568	14.74742	10.197892	4.644395	30.619899	33.266522
46517.1664	42633.7328	28418.762	14849.6489	8329.0437	4006.51203	56439.9241	46908.7563
67228.4745	61997.1848	97623.1817	18493.5879	9928.96391	4738.17561	85590.6073	71090.0605

20711.3081	19363.452	69204.4197	3643.93905	1599.9202	731.663587	29150.6832	24181.3041
67228.4745	61997.1848	97623.1817	18493.5879	9928.96391	4738.17561	85590.6073	71090.0605
162.56	143.12	78.22	60.44	42.88	26	148.81	148.94
36164.3141	36595.151	27203.9389	13299.4604	7798.89106	3552.43326	52262.7199	42971.9661
51580.1211	53305.7009	94817.0793	16554.9124	9248.46503	4178.34518	79052.8954	65372.9444
7.444534	5.879209	2.224901	3.140129	1.932175	0.821322	5.77359	6.363405
589.242258	597.02642	457.990846	210.342842	106.253731	46.666464	650.399615	539.358763
64.735365	63.920987	62.402626	69.717683	76.034685	80.567525	79.493639	81.013495
34.520094	24.929185	5.616236	9.688585	3.801734	3.222701	22.071703	24.304048
759.22	696.22	477.82	234.78	113.26	52.78	702.38	587.58
2.372562	1.891902	1.422083	0.69875	0.337083	0.149943	1.995397	1.836187
20711.3081	19363.452	69204.4197	3643.93905	1599.9202	731.663587	29150.6832	24181.3041
20711.3081	19363.452	69204.4197	3643.93905	1599.9202	731.663587	29150.6832	24181.3041
169.977741	99.193579	19.829153	24.437157	7.006268	6.113535	51.980384	48.221236
10352.8523	6038.58188	1214.82305	1550.18847	530.152643	454.078771	4177.20419	3936.79021
14.37	13.54	4.91	7.91	4.27	2.11	13.41	10.64
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2.59	1.96	0.12	0.54	0.09	0.13	0.75	0.84
16625.0996	14181.7231	7791.0606	3746.0296	1944.5017	1073.9221	14319.9704	11569.6194
0.31	0.12	0.05	0.07	0.02	0.05	0.38	0.09
325.5	126	52.5	73.5	21	52.5	399	94.5
46517.1664	42633.7328	28418.762	14849.6489	8329.0437	4006.51203	56439.9241	46908.7563
46517.1664	42633.7328	28418.762	14849.6489	8329.0437	4006.51203	56439.9241	46908.7563
46191.6664	42507.7328	28366.262	14776.1489	8308.0437	3954.01203	56040.9241	46814.2563
759.22	696.22	477.82	234.78	113.26	52.78	702.38	587.58
325.5	126	52.5	73.5	21	52.5	399	94.5
46517.1664	42633.7328	28418.762	14849.6489	8329.0437	4006.51203	56439.9241	46908.7563

10.878001	10.953502	11.538505	10.905417	10.921955	10.866003	10.984108	10.995909
0.506214	0.466825	0.306899	0.380203	0.409179	0.410238	0.484362	0.465517
0.487797	0.449106	0.290937	0.313434	0.394608	0.392429	0.466993	0.447545
1630590.73	1657065.52	910866.294	954529.871	1225590.71	1435946.36	1660688.3	1424731.54
5605.19503	6065.26405	4085.00407	4284.17486	5128.7897	5029.98637	5857.16841	5231.61019
57302.55	60671.102	35885.81	38660.76	48673.244	50709.418	60344.534	52574.014
0.035281	0.033967	0.034042	0.033363	0.033143	0.031572	0.032373	0.034301
620794.739	658828.357	406304.608	417497.024	525149.996	544770.93	653313.198	570494.938
978179.268	998259.175	635492.909	590285.232	655349.166	645759.222	1154289.65	973169.411
2.743469	2.693709	2.660144	2.613829	2.613127	2.602145	2.895015	2.874978
761461.787	826618.685	522625.254	527242.639	739211.898	787838.087	845818.812	750512.708
59266.4389	41344.8699	7840.8956	17029.9704	3653.92403	7188.45338	30111.8427	20654.0035
113111.461	129863.956	117120.018	101681.102	118886.435	123608.468	124537.87	112931.73
353.473315	352.891184	348.571482	302.622327	353.828675	351.16042	353.800767	352.911656
117472	135092.8	123345.6	123345.6	123345.6	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
57302.55	60671.102	35885.81	38660.76	48673.244	50709.418	60344.534	52574.014

233.309126	198.552956	171.388682	160.647864	147.277214	129.956562	249.09129	238.260933
31.482247	31.018781	32.013467	29.898906	29.825958	29.512966	33.329522	33.086063
1871262.47	1962995.55	1245754.66	1204680.11	1493668.1	1533056.98	2141055.27	1844023.43
3017449.74	2994650.59	2727180.92	1585092.78	1890802.77	1942340.06	3979271.53	3289591.35
1146187.27	1031655.04	1481426.26	380412.67	397134.67	409283.078	1838216.26	1445567.92
3017449.74	2994650.59	2727180.92	1585092.78	1890802.77	1942340.06	3979271.53	3289591.35
1613.22	1674.34	1252.57	1128.66	1205.93	1192	1699.42	1567.78
210134.215	270218.956	304705.29	223312.139	236247.695	63941.9086	445994.187	387616.569
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3881.14806	5254.45759	5870.06312	5435.36646	5913.54643	1266.97855	7056.81186	6406.4814
42.708306	37.161153	17.099864	32.139637	31.881576	34.521086	41.502164	40.822581
42.580189	37.151791	17.085065	32.066064	31.775795	34.467784	41.410042	40.813309
57302.55	60671.102	35885.81	38660.76	48673.244	50709.418	60344.534	52574.014
179.070468	164.867125	106.803005	115.061785	144.860845	144.060846	171.433335	164.293793
877597.581	739305.417	1299386.32	186646.541	135972.39	132861.237	1549812.3	1189668.27
877597.581	739305.417	1299386.32	186646.541	135972.39	132861.237	1549812.3	1189668.27
53421.4019	55416.6444	30015.7469	33225.3935	42759.6976	49442.4394	53287.7221	46167.5326
1630590.73	1657065.52	910866.294	954529.871	1225590.71	1435946.36	1660688.3	1424731.54
76.04	84.11	51.11	66.14	82.79	33.1	110.53	91.42
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239.42	272.33	275.53	244.19	208.8	306.06	232.46	216.3
		0.008658	0.04329		0.008264		
325752.645	335010.936	232846.229	193117.196	230933.431	273924.615	338354.495	288880.007
5.12	4.28	4.88	3.74	3.76	3.52	5.01	3.86
31811.2712	36216.8508	30441.2153	27469.4369	32148.7686	33462.573	35560.0695	32116.5743
2139852.16	2255345.17	1427794.6	1398446.24	1754830.38	1809478.82	2429459.23	2099923.08
2139852.16	2255345.17	1427794.6	1398446.24	1754830.38	1809478.82	2429459.23	2099923.08
1739641.05	1824877.86	1158118.16	1117527.87	1394561.06	1433597.31	2000108.46	1723682.12
57302.55	60671.102	35885.81	38660.76	48673.244	50709.418	60344.534	52574.014
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2139852.16	2255345.17	1427794.6	1398446.24	1754830.38	1809478.82	2429459.23	2099923.08
99810.1449	101900.84	57195.277	59682.8014	66958.2686	65997.1009	105386.741	88224.7365
4.37	11.37	8.4	24.52	44.25	12.18	8.78	12.17

3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
613758.679	636140.868	241623.752	498600.925	367110.971	725622.538	525562.515	431850.917
2152.78421	2348.84594	1056.12459	2251.20857	1527.67069	2525.92618	1845.36817	1582.28665
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91512.5407	99466.4699	75310.0869	74571.7206	80258.8579	100434.609	99623.4077	86891.154
613758.679	636140.868	241623.752	498600.925	367110.971	725622.538	525562.515	431850.917
238.66	271.27	276.27	244.72	207.37	305.39	231.62	215.12
213.683494	203.997515	177.436675	170.410691	158.597767	203.019153	184.596095	179.890459
94.027547	92.556783	92.043775	89.190508	76.40972	93.88437	86.705271	83.463881
24628.2896	28511.4391	28790.479	22641.461	18289.7291	30285.8912	24684.6659	21583.464

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-42.392926	-38.304918	-32.102161	-31.908083	-31.844067	-32.531775	-48.574349	-45.391975
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3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
4506319.64	4447354.14	2654267.41	2878210.83	2920005.85	3988650.97	5375003.96	4386955.29
91512.5407	99466.4699	75310.0869	74571.7206	80258.8579	100434.609	99623.4077	86891.154
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
613758.679	636140.868	241623.752	498600.925	367110.971	725622.538	525562.515	431850.917
2152.78421	2348.84594	1056.12459	2251.20857	1527.67069	2525.92618	1845.36817	1582.28665
-91512.541	-99466.47	-75310.087	-74571.721	-80258.858	-100434.61	-99623.408	-86891.154
91512.5407	99466.4699	75310.0869	74571.7206	80258.8579	100434.609	99623.4077	86891.154
613758.679	636140.868	241623.752	498600.925	367110.971	725622.538	525562.515	431850.917
238.66	271.27	276.27	244.72	207.37	305.39	231.62	215.12
213.683494	203.997515	177.436675	170.410691	158.597767	203.019153	184.596095	179.890459
94.027547	92.556783	92.043775	89.190508	76.40972	93.88437	86.705271	83.463881
24628.2896	28511.4391	28790.479	22641.461	18289.7291	30285.8912	24684.6659	21583.464
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-285.97669	-270.28932	-224.13716	-221.93964	-238.86565	-285.32559	-283.02104	-271.53486
-3892561	-3811213.3	-2412643.7	-2379609.9	-2552894.9	-3263028.4	-4849441.4	-3955104.4
-42.392926	-38.304918	-32.102161	-31.908083	-31.844067	-32.531775	-48.574349	-45.391975
-3892561	-3811213.3	-2412643.7	-2379609.9	-2552894.9	-3263028.4	-4849441.4	-3955104.4
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
4506319.64	4447354.14	2654267.41	2878210.83	2920005.85	3988650.97	5375003.96	4386955.29
91512.5407	99466.4699	75310.0869	74571.7206	80258.8579	100434.609	99623.4077	86891.154
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37

143065.017	161731.557	189618.8	217486.598	222900.165	238084.096	256755.16	241837.677
506.556734	605.356044	855.75661	983.699217	936.586488	837.348135	909.74104	893.603208
4126.47871	4664.88482	5469.24718	6273.04869	6429.19426	6867.15017	7118.24675	6704.67638
169523.201	173869.445	170821.377	199399.523	203506.906	221695.179	344416.823	301619.094
4126.47871	4664.88482	5469.24718	6273.04869	6429.19426	6867.15017	7118.24675	6704.67638
12.895245	12.676317	16.277521	18.669787	19.134506	19.508949	20.222291	20.952113
26458.1841	12137.8887	-18797.422	-18087.075	-19393.259	-16388.918	87661.6624	59781.4169

26458.1841	12137.8887	-18797.422	-18087.075	-19393.259	-16388.918	87661.6624	59781.4169
4126.47871	4664.88482	5469.24718	6273.04869	6429.19426	6867.15017	7118.24675	6704.67638
143065.017	161731.557	189618.8	217486.598	222900.165	238084.096	256755.16	241837.677
-26458.184	-12137.889	18797.4224	18087.0751	19393.2588	16388.9175	-87661.662	-59781.417
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91512.5407	99466.4699	75310.0869	74571.7206	80258.8579	100434.609	99623.4077	86891.154
143065.017	161731.557	189618.8	217486.598	222900.165	238084.096	256755.16	241837.677
143065.017	161731.557	189618.8	217486.598	222900.165	238084.096	256755.16	241837.677
4126.47871	4664.88482	5469.24718	6273.04869	6429.19426	6867.15017	7118.24675	6704.67638
143065.017	161731.557	189618.8	217486.598	222900.165	238084.096	256755.16	241837.677
143065.017	161731.557	189618.8	217486.598	222900.165	238084.096	256755.16	241837.677
4126.47871	4664.88482	5469.24718	6273.04869	6429.19426	6867.15017	7118.24675	6704.67638
169523.201	173869.445	170821.377	199399.523	203506.906	221695.179	344416.823	301619.094
26458.1841	12137.8887	-18797.422	-18087.075	-19393.259	-16388.918	87661.6624	59781.4169
143065.017	161731.557	189618.8	217486.598	222900.165	238084.096	256755.16	241837.677

141404.06	159765.513	186954.048	214448.496	219902.851	234848.342	252560.577	237935
500.645884	597.97761	843.750181	969.990365	923.995731	825.989498	894.883012	879.17409
4643.81148	5246.81489	6139.70601	7042.64355	7221.7685	7712.58923	7997.48502	7534.35719
190817.995	195605.532	191657.129	223856.7	228593.108	248969.919	386958.351	338959.643
27.600025	20.749338	7.428523	20.642664	22.56833	22.612562	14.22602	25.24529
1.104001	0.829973	0.742852	2.270693	0.225683	1.356753	0.711301	0.504905
4643.81148	5246.81489	6139.70601	7042.64355	7221.7685	7712.58923	7997.48502	7534.35719
14.51191	14.257649	18.272934	20.960248	21.493358	21.910764	22.720127	23.544866
49413.9348	35840.019	4703.08083	9408.2042	8690.25734	14121.5769	134397.774	101024.643
49413.9348	35840.019	4703.08083	9408.2042	8690.25734	14121.5769	134397.774	101024.643
4643.81148	5246.81489	6139.70601	7042.64355	7221.7685	7712.58923	7997.48502	7534.35719
141404.06	159765.513	186954.048	214448.496	219902.851	234848.342	252560.577	237935
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0.17	0.19	0.96	1.15	0.16	0.66	0.23	0.11
91512.5407	99466.4699	75310.0869	74571.7206	80258.8579	100434.609	99623.4077	86891.154
141404.06	159765.513	186954.048	214448.496	219902.851	234848.342	252560.577	237935
141404.06	159765.513	186954.048	214448.496	219902.851	234848.342	252560.577	237935
4643.81148	5246.81489	6139.70601	7042.64355	7221.7685	7712.58923	7997.48502	7534.35719
141404.06	159765.513	186954.048	214448.496	219902.851	234848.342	252560.577	237935
141404.06	159765.513	186954.048	214448.496	219902.851	234848.342	252560.577	237935
4643.81148	5246.81489	6139.70601	7042.64355	7221.7685	7712.58923	7997.48502	7534.35719
190817.995	195605.532	191657.129	223856.7	228593.108	248969.919	386958.351	338959.643
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141404.06	159765.513	186954.048	214448.496	219902.851	234848.342	252560.577	237935

146485.203	180314.604	121903.07	100302.777	122370.937	158318.584	163153.846	134542.224
514.163031	670.743855	547.62361	453.188319	514.097916	557.123252	577.406527	496.671438
2859.36372	3519.70728	2379.52509	1957.89142	2388.65777	3090.3491	3184.73249	2626.239
121726.152	130903.968	72986.9277	62056.2654	74720.1583	99267.5904	155035.373	117306.826
2859.36372	3519.70728	2379.52509	1957.89142	2388.65777	3090.3491	3184.73249	2626.239

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2859.36372	3519.70728	2379.52509	1957.89142	2388.65777	3090.3491	3184.73249	2626.239
146485.203	180314.604	121903.07	100302.777	122370.937	158318.584	163153.846	134542.224
24759.051	49410.6355	48916.1427	38246.5119	47650.779	59050.9939	8118.47287	17235.3985
24759.051	49410.6355	48916.1427	38246.5119	47650.779	59050.9939	8118.47287	17235.3985
91512.5407	99466.4699	75310.0869	67515.9855	80258.8579	100434.609	99623.4077	86891.154
146485.203	180314.604	121903.07	100302.777	122370.937	158318.584	163153.846	134542.224
146485.203	180314.604	121903.07	100302.777	122370.937	158318.584	163153.846	134542.224
2859.36372	3519.70728	2379.52509	1957.89142	2388.65777	3090.3491	3184.73249	2626.239
146485.203	180314.604	121903.07	100302.777	122370.937	158318.584	163153.846	134542.224
146485.203	180314.604	121903.07	100302.777	122370.937	158318.584	163153.846	134542.224
2859.36372	3519.70728	2379.52509	1957.89142	2388.65777	3090.3491	3184.73249	2626.239
121726.152	130903.968	72986.9277	62056.2654	74720.1583	99267.5904	155035.373	117306.826
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146485.203	180314.604	121903.07	100302.777	122370.937	158318.584	163153.846	134542.224

131146.79	150733.308	179950.48	245473.942	226768.259	217209.034	245696.226	166817.306
467.364302	567.354569	814.380073	1112.25715	953.396755	766.544909	873.389511	618.681415
1833.19527	2106.97942	2515.38272	3431.28239	3169.81072	3036.19002	3350.55538	2274.88486
73177.5047	74949.1098	73011.1953	108283.148	99759.074	96471.1238	161850.534	100296.649
1833.19527	2106.97942	2515.38272	3431.28239	3169.81072	3036.19002	3350.55538	2274.88486
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1833.19527	2106.97942	2515.38272	3431.28239	3169.81072	3036.19002	3350.55538	2274.88486
131146.79	150733.308	179950.48	245473.942	226768.259	217209.034	245696.226	166817.306
57969.2852	75784.1981	106939.284	137190.794	127009.185	120737.91	83845.6924	66520.6575
57969.2852	75784.1981	106939.284	137190.794	127009.185	120737.91	83845.6924	66520.6575
89167.8217	99466.4699	74722.0253	74571.7206	80258.8579	98728.05	99623.4077	83346.2199
131146.79	150733.308	179950.48	245473.942	226768.259	217209.034	245696.226	166817.306
131146.79	150733.308	179950.48	245473.942	226768.259	217209.034	245696.226	166817.306
1833.19527	2106.97942	2515.38272	3431.28239	3169.81072	3036.19002	3350.55538	2274.88486
131146.79	150733.308	179950.48	245473.942	226768.259	217209.034	245696.226	166817.306
131146.79	150733.308	179950.48	245473.942	226768.259	217209.034	245696.226	166817.306
1833.19527	2106.97942	2515.38272	3431.28239	3169.81072	3036.19002	3350.55538	2274.88486
73177.5047	74949.1098	73011.1953	108283.148	99759.074	96471.1238	161850.534	100296.649
-57969.285	-75784.198	-106939.28	-137190.79	-127009.18	-120737.91	-83845.692	-66520.657
131146.79	150733.308	179950.48	245473.942	226768.259	217209.034	245696.226	166817.306

562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208
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13462.8492	15538.3864	16503.861	18704.866	19209.4313	20706.2785	21651.0196	19140.1574
555244.852	575328.056	508476.629	593595.637	606579.247	666403.812	1048261.08	858182.212
27.600025	20.749338	7.428523	20.642664	22.56833	22.612562	14.22602	25.24529
1.104001	0.829973	0.742852	2.270693	0.225683	1.356753	0.711301	0.504905

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42.071403	42.223876	49.118633	55.669244	57.170926	58.824654	61.508578	59.812991
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13462.8492	15538.3864	16503.861	18704.866	19209.4313	20706.2785	21651.0196	19140.1574
562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208
6856.21724	77216.9258	169949.769	184116.177	185362.965	182056.245	-130095.27	-77050.004
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0.17	0.19	0.96	1.15	0.16	0.66	0.23	0.11
363705.444	397865.88	300652.286	291231.147	321035.432	400031.878	398493.631	344019.682
562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208
562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208
13462.8492	15538.3864	16503.861	18704.866	19209.4313	20706.2785	21651.0196	19140.1574
562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208
562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208
13462.8492	15538.3864	16503.861	18704.866	19209.4313	20706.2785	21651.0196	19140.1574
555244.852	575328.056	508476.629	593595.637	606579.247	666403.812	1048261.08	858182.212
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0.487797	0.449106	0.290937	0.313434	0.394608	0.392429	0.466993	0.447545
3892560.96	3811213.27	2412643.65	2379609.91	2552894.87	3263028.44	4849441.44	3955104.37
2806450.47	2945751.37	1830916.44	2230842.61	2384643.89	3010028.95	3104416.62	2637714.66
9746.70919	10855.5421	8202.63914	10054.5185	9984.53728	10542.9183	10957.9567	9702.02699
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2772899.44	3188834.36	2911544.42	2911544.42	2911544.42	3050189.39	3111193.18	2828357.43
0.035281	0.033967	0.034042	0.033363	0.033143	0.031572	0.032373	0.034301
620794.739	658828.357	406304.608	417497.024	525149.996	544770.93	653313.198	570494.938
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761461.787	826618.685	522625.254	527242.639	739211.898	787838.087	845818.812	750512.708
59266.4389	41344.8699	7840.8956	17029.9704	3653.92403	7188.45338	30111.8427	20654.0035
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353.473315	352.891184	348.571482	302.622327	353.828675	351.16042	353.800767	352.911656
117472	135092.8	123345.6	123345.6	123345.6	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
57302.55	60671.102	35885.81	38660.76	48673.244	50709.418	60344.534	52574.014
233.309126	198.552956	171.388682	160.647864	147.277214	129.956562	249.09129	238.260933
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3017449.74	2994650.59	2727180.92	1585092.78	1890802.77	1942340.06	3979271.53	3289591.35
91512.5407	99466.4699	75310.0869	74571.7206	80258.8579	100434.609	99623.4077	86891.154
1146187.27	1031655.04	1481426.26	380412.67	397134.67	409283.078	1838216.26	1445567.92

3572694.6	3569978.64	3235657.54	2178688.42	2497382.02	2608743.87	5027532.61	4147773.56
1613.22	1674.34	1252.57	1128.66	1205.93	1192	1699.42	1567.78
210134.215	270218.956	304705.29	223312.139	236247.695	63941.9086	445994.187	387616.569
31.302314	28.798018	24.870535	25.007383	24.978846	25.464592	36.2815	34.081482
613758.679	636140.868	241623.752	498600.925	367110.971	725622.538	525562.515	431850.917
238.66	271.27	276.27	244.72	207.37	305.39	231.62	215.12
213.683494	203.997515	177.436675	170.410691	158.597767	203.019153	184.596095	179.890459
7.835628	7.713065	5.752735	7.432542	6.367476	7.823697	5.419079	5.216492
24,628	28,511	28,790	22,641	18,290	30,286	24,685	21,583
302802.97	404832.175	1070888.77	307074.972	320810.687	80491.0092	713355.044	632956.769
5.281406	4.978206	2.212377	6.622462	5.644397	2.54169	4.164857	4.78437
3,881	5,254	5,870	5,435	5,914	1,267	7,057	6,406
42.613548	37.151324	17.117761	31.851883	31.842652	34.464818	41.466313	40.787293
42.486481	37.141966	17.103023	31.779764	31.737214	34.411557	41.374209	40.778021
-20747.142	-23256.981	-22920.416	-17206.095	-12376.183	-29018.913	-17627.854	-15176.983
-64.834817	-63.198319	-68.215523	-51.208614	-36.833876	-82.440092	-50.07913	-47.42807
-5794719	-6337959.1	-4194751.5	-5288624	-5513829.9	-6362412.8	-6280727	-5516743.5
-63.346553	-63.737912	-55.687727	-70.926885	-68.716179	-63.369591	-63.056823	-63.515833
-5794719	-6337959.1	-4194751.5	-5288624	-5513829.9	-6362412.8	-6280727	-5516743.5
66884.2511	70955.0308	46519.6079	51930.2596	61969.1288	70148.718	74938.7418	65307.69
2192691.8	2309610.51	1589292.69	1732241.68	2017532.92	2284406.41	2578854.11	2205863.75
5526129.35	6045609.52	4012711.58	5094857.83	5252667.59	6085990.99	5992323.09	5260843.88
5837085.06	6276918.21	3183446.56	5286383.78	5298967.87	6731122.52	5804530.56	5059738.03
		0.008658	0.04329		0.008264		
780970.63	832343.285	608808.602	558920.064	632227.721	774391.101	836471.533	719790.843
5.12	4.28	4.88	3.74	3.76	3.52	5.01	3.86
31811.2712	36216.8508	30441.2153	27469.4369	32148.7686	33462.573	35560.0695	32116.5743
9367413.63	9907937.78	7430409.06	7467312.37	8011211.89	8971156.71	11308259.7	9664517.09
6594514.19	6719103.42	4518864.65	4555767.96	5099667.47	5920967.32	8197066.48	6836159.66
1739641.05	1824877.86	1158118.16	1117527.87	1394561.06	1433597.31	2000108.46	1723682.12
70765.3992	76209.4884	52389.671	57365.626	67882.6753	71415.6965	81995.5536	71714.1714
31811.2712	36216.8508	30441.2153	27469.4369	32148.7686	33462.573	35560.0695	32116.5743
6594514.19	6719103.42	4518864.65	4555767.96	5099667.47	5920967.32	8197066.48	6836159.66
99810.1449	101900.84	57195.277	59682.8014	66958.2686	65997.1009	105386.741	88224.7365
562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208
13462.8492	15538.3864	16503.861	18704.866	19209.4313	20706.2785	21651.0196	19140.1574
555244.852	575328.056	508476.629	593595.637	606579.247	666403.812	1048261.08	858182.212
-6856.2172	-77216.926	-169949.77	-184116.18	-185362.97	-182056.24	130095.271	77050.0044
562101.07	652544.982	678426.398	777711.813	791942.212	848460.056	918165.809	781132.208

2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10
3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
-3252611	-2828357.4	-3111193.2	-3111193.2	-2828357.4	-3252611	-2828357.4	-3111193.2
-3252611	-2828357.4	-3111193.2	-3111193.2	-2828357.4	-3252611	-2828357.4	-3111193.2
3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
37.305483	33.935503	35.104683	34.829583	43.907883	39.918933	33.660403	33.866733
21.962884	21.962803	21.962823	21.962864	21.962964	21.962783	21.962844	21.962844
37.181774	33.811794	34.980974	34.705874	43.784174	39.795224	33.536694	33.743024
37.276935	33.906955	35.076135	34.801035	43.879335	39.890385	33.631855	33.838185
36.563231	33.193251	34.362431	34.087331	43.165631	39.176681	32.918151	33.124481
36.839197	33.469217	34.638397	34.363297	43.441597	39.452647	33.194117	33.400447
37.257903	33.887923	35.057103	34.782003	43.860303	39.871353	33.612823	33.819153
37.295967	33.925987	35.095167	34.820067	43.898367	39.909417	33.650887	33.857217
20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
37.00097	33.63099	34.80017	34.52507	43.60337	39.61442	33.35589	33.56222
5.065373	4.546216	4.248245	4.231854	4.249584	4.247476	4.260426	4.362513
28.75637	26.466447	27.221071	27.036308	33.089994	30.430503	26.259234	26.405295
28.75637	26.466447	27.221071	27.036308	33.089994	30.430503	26.259234	26.405295

0.13894		0.27788	0.41682	0.13894	0.13894	0.83364	
0.000701		0.011713	0.001222	0.000086	0.000101	0.013444	
0.000652		0.010909	0.001186	0.000083	0.000096	0.012916	
119.771793		784.755636	358.828294			1468.9449	
0.419143		3.501325	1.233238			6.10313	
5.4		86.4	9.4	0.6	0.8	93	
0.032826	0.035562	0.030085	0.029659	0.019812	0.029891	0.035156	0.022272
75.0276		1200.4416	130.6036	8.3364	11.1152	1292.142	
1518.31272		24293.0036	2642.98881	168.701413	224.935218	26148.7191	
0.214682		0.429364	0.644046	0.214682	0.214682	1.288093	
92.396489		1478.34383	160.838333	10.266276	13.688368	1591.27287	
8008.2	6943.95	7681.725	7685.1	7057.35	8032.5	6946.875	7743.6
21.761413	21.699843	21.823082	21.83267	22.054218	21.827445	21.708984	21.998863
8280	7200	7920	7920	7200	8280	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
5.4		86.4	9.4	0.6	0.8	93	
3.028273		5.995267	9.092543	2.994294	3.108973	18.280928	
3.028273		5.995267	9.092543	2.994294	3.108973	18.280928	
1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
1924.80649		67289.1292	3174.68479	214.843649	262.351448	57562.6796	
289.538674		41390.8989	332.524743	35.185958	13.63356	29642.3433	
1924.80649		67289.1292	3174.68479	214.843649	262.351448	57562.6796	
1.43		6.42	5.42	1.34	0.18	13.2	
1515.49602		25113.4747	2483.33175	179.65769	248.717887	26451.3915	
1781.79587		64560.1127	2789.435	214.843649	262.351448	55377.6074	
0.2		0.397916	0.578497	0.2	0.2	1.180471	
5		83.779163	8.227979	0.6	0.8	88.155466	
		299.429483	325.648719			303.012935	
		2.994294	6.328131			12.120517	
5.4		86.4	9.4	0.6	0.8	93	
0.014673		0.245454	0.026704	0.001875	0.002173	0.290625	
289.538674		41390.8989	332.524743	35.185958	13.63356	29642.3433	
289.538674		41390.8989	332.524743	35.185958	13.63356	29642.3433	
0.4		2.620836	1.17202			4.844533	
119.771793		784.755636	358.828294			1468.9449	
0.08		0.33	0.19		0.02	0.52	
-289.53867		-41390.899	-332.52474	-35.185958	-13.63356	-29642.343	
-2071.3345		-105951.01	-3121.9597	-250.02961	-275.98501	-85019.951	
			0.03			0.07	
68.0542		927.626	123.8206	8.4382	11.8535	1096.6182	
0.02		0.03	0.03		0.01	0.08	
18.3486		27.5229	27.5229		9.1743	73.3944	
1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
1610.70921		25771.3474	2803.82715	178.96769	238.623587	27739.992	

5.4		86.4	9.4	0.6	0.8	93	
18.3486		27.5229	27.5229		9.1743	73.3944	
1635.26781		25898.2303	2842.16005	179.65769	248.717887	27920.3364	
6.21		99.36	10.81	0.69	0.92	106.95	

6.02816	6.21654	2.54313	4.23855	7.15844	5.463019	2.26056	4.99207
0.165722	0.152435	0.150423	0.192727	0.299228	0.246888	0.145081	0.174952
0.159945	0.146656	0.146761	0.18642	0.290625	0.239211	0.140906	0.171221
36916.6645	12408.5444	45159.398	65849.9996	216946.416	161403.411	52499.9457	168492.572
143.546935	54.590955	208.566928	238.083114	700.163389	552.364676	225.324409	744.823205
3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66
0.033016	0.034968	0.030937	0.031164	0.029562	0.030815	0.030562	0.025369
32155.3357	25637.9529	28221.9613	35848.3372	50806.086	48090.9651	24632.7572	32925.6215
166298.461	120706.626	122475.323	156697.612	222345.595	212478.887	109574.112	152367.084
3.112924	3.03805	1.164825	1.948655	3.263806	2.50265	1.076001	2.384326
6040.93813	2235.94644	8600.69338	12605.9772	41412.212	30651.5261	9932.29095	30725.3325
20639.3	17910.98	19784.38	19779.74	18011.32	20686.28	17992.76	19898.06
56.085054	55.971812	56.205625	56.192443	56.285375	56.212717	56.227375	56.528579
21344	18560	20416	20416	18560	21344	18560	20416
58	58	58	58	58	58	58	58
3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66
34.599421	34.069695	13.194424	22.103225	37.02969	28.315732	12.076265	26.836018
34.599421	34.069695	13.194424	22.103225	37.02969	28.315732	12.076265	26.836018
194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
281748.456	192953.362	464284.104	338094.453	455104.661	439616.207	420848.752	249363.97
87715.7053	50117.8048	317562.695	150472.283	188986.561	185829.988	290151.301	68541.8433
281748.456	192953.362	464284.104	338094.453	455104.661	439616.207	420848.752	249363.97
221.13	164.45	85.58	128.8	199.09	179.03	94.74	141.39
157116.086	130427.013	101562.012	121772.171	49171.6848	92382.8074	78197.5051	12329.5551
227511.966	176403.637	321926.658	216050.821	77390.4191	153860.897	242196.354	16619.3872
31.654392	35.941633	13.104844	19.582182	16.087472	16.699818	11.084235	6.67429
2772.52337	2484.55318	2083.15829	2467.60378	997.332409	1851.51704	1560.72473	233.60113
56.681189	52.432112	49.875614	49.932111	50.970055	50.064124	51.476899	53.888099
33.979804	26.734509	13.437421	21.896519	38.708104	28.99692	12.352493	28.516578
3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66
9.276847	8.506062	8.512159	10.812386	16.85625	13.874293	8.172562	9.930852
87715.7053	50117.8048	317562.695	150472.283	188986.561	185829.988	290151.301	68541.8433
87715.7053	50117.8048	317562.695	150472.283	188986.561	185829.988	290151.301	68541.8433
641.356633	237.386818	913.121709	1338.35622	4396.66759	3254.22296	1054.49527	3262.05887
36916.6645	12408.5444	45159.398	65849.9996	216946.416	161403.411	52499.9457	168492.572
26.09	24.84	11.48	18.29	14.04	17.19	7.02	8.69
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-315227.67	-226521.44	-639489.35	-366523.1	-266376.98	-339690.89	-532347.65	-85161.231
2.38	0.95	2.57	3.45	16.16	8.76	2.88	23.75
14632.8923	10511.4357	11095.7133	17037.779	28509.9206	25117.9952	10503.8897	13630.1168
0.68	0.58	0.37	0.77	0.96	0.61	0.23	0.83
286.6948	244.5338	155.9957	324.6397	404.7456	257.1821	96.9703	349.9363

194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
166298.461	120706.626	122475.323	156697.612	222345.595	212478.887	109574.112	152367.084
3413.88	2721.94	2996.28	3805.96	5394	5105.74	2615.22	3495.66
286.6948	244.5338	155.9957	324.6397	404.7456	257.1821	96.9703	349.9363
194032.751	142835.558	146721.409	187622.17	266118.1	253786.219	130697.451	180822.127
27447.5952	21884.3976	24090.0912	30599.9184	43367.76	41050.1496	21026.3688	28105.1064
0.22							
10.942274	10.921347	11.279792	11.098683	10.885814	10.98387	11.307455	
0.696704	0.691572	0.543172	0.617565	0.717318	0.674456	0.527872	
0.673085	0.667547	0.525027	0.595042	0.689788	0.651768	0.380264	
728461.155	517117.86	581750.526	681083.528	769762.262	832111.228	407448.001	
2985.62705	2340.10317	2725.7945	2737.55797	2628.53407	3034.64967	1744.94262	
27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
0.035815	0.036468	0.03463	0.035767	0.037687	0.03557	0.042093	0.035596
297731.677	256846.453	227596.682	254622.669	264578.031	289081.747	150305.935	
324565.838	279593.957	247899.512	276378.191	287328.882	313954.467	164534.412	
2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	
505131.563	435765.691	386140.531	431992.82	448883.088	490456.092	255009.049	
39385.02	34224.63	37718.91	37674.51	34181.34	39395.01	25563.3	
107.02451	106.951968	107.155994	107.029857	106.816687	107.051657	79.885312	
40848	35520	39072	39072	35520	40848	35520	39072
111	111	111	111	111	111	111	111
27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
32.331285	32.308943	33.345112	32.805634	32.159199	32.482302	33.482376	
32.032445	31.975559	32.97217	32.473747	31.88061	32.153828	33.046343	
878784.682	758377.416	671808.699	750921.509	780121.249	853050.98	445058.468	
1237185.17	958664.947	1125901.52	1042624.56	1279698.14	1318358.75	735857.597	
358400.487	200287.53	454092.826	291703.053	499576.893	465307.767	290799.129	
1237185.17	958664.947	1125901.52	1042624.56	1279698.14	1318358.75	735857.597	
354.82	308.33	339.81	339.41	307.94	354.91	230.3	
143577.287	234757.157	83880.8926	63091.7405	4181.70627	13299.4316	32896.227	
243321.138	361485.067	280838.558	119742.663	6302.12363	21882.6757	107855.701	
28.809134	45.126783	20.0781	21.747264	8.808091	12.23341	10.758291	
4634.54214	7584.93057	2710.43119	2045.66352	135.92312	429.733951	1055.93559	
25.87794	25.361169	16.214547	22.920469	28.258695	26.565082	14.377247	
25.831391	25.18789	16.16998	22.879171	28.252474	26.55428	14.362803	
27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
74.712451	74.097743	58.278068	66.049767	76.566556	72.346309	42.20935	
202776.14	66033.8897	335128.04	158611.784	361281.956	314204.738	212234.217	
202776.14	66033.8897	335128.04	158611.784	361281.956	314204.738	212234.217	
22859.6399	16126.3474	17803.4488	21203.8545	24365.3749	26193.708	12451.0564	
728461.155	517117.86	581750.526	681083.528	769762.262	832111.228	407448.001	
54.84	52.94	12.63	16.28	2.89	7.13	6.65	
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194.95	147.11	254.68	230.28	203.31	243.52	176.98	
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83915.3136	65827.0469	70409.994	81939.6071	87075.3451	94718.9661	52270.8695	
0.83	0.8	0.76	0.83	0.76	0.94	0.58	
6746.24	6502.4	6177.28	6746.24	6177.28	7640.32	4714.24	
1034409.03	892631.057	790773.484	884012.778	918416.185	1004154.01	523623.38	
1034409.03	892631.057	790773.484	884012.778	918416.185	1004154.01	523623.38	
829697.401	715359.648	634040.043	708371.011	736211.97	804410.559	419543.46	
27494.182	23711.278	20513.88	23249.518	24501.298	26623.442	13506.992	
6746.24	6502.4	6177.28	6746.24	6177.28	7640.32	4714.24	
1034409.03	892631.057	790773.484	884012.778	918416.185	1004154.01	523623.38	
42341.0403	36515.3681	31591.3752	35804.2577	37731.9989	41000.1007	20800.7677	
38.5	52.8	13.49	20.7	3.86	8.7	6.54	
0.15		0.3	0.45	0.15	0.15	0.9	
0.00057		0.012255	0.000738	0.000125	0.000056	0.013552	
0.00057		0.012017	0.000738	0.000125	0.000054	0.013218	
8.466527		94.78208	19.3214			84.103468	
0.029516		0.422907	0.066409			0.347883	
0.63		12.69	0.78	0.12	0.06	12.69	
0.034918	0.025562	0.033125	0.029687	0.041312	0.025978	0.037718	0.015852
9.45		190.35	11.7	1.8	0.9	190.35	
191.237027		3852.06013	236.769653	36.4261	18.21305	3852.06013	
0.214682		0.429364	0.644046	0.214682	0.214682	1.288093	
11.637675		234.416024	14.40855	2.2167	1.10835	234.416024	
1065.45	935.46	1021.02	1024.65	920.34	1075.32	923.79	1039.26
2.895244	2.923312	2.900625	2.910937	2.876062	2.922065	2.886843	2.952443
1104	960	1056	1056	960	1104	960	1056
3	3	3	3	3	3	3	3
0.63		12.69	0.78	0.12	0.06	12.69	
3.220233		6.440466	9.6607	3.220233	3.220233	19.3214	
3.220233		6.440466	9.6607	3.220233	3.220233	19.3214	
202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
232.211582		10564.155	279.495902	42.917994	20.699826	8299.20928	
29.33688		6477.67881	28.317698	4.275193	1.378426	4212.73312	
232.211582		10564.155	279.495902	42.917994	20.699826	8299.20928	
0.21		4.23	0.26	0.04	0.02	4.23	
194.408175		3991.69408	231.856803	38.6428	19.3214	4002.37269	
222.363048		10243.2317	258.406951	42.917994	20.699826	8165.30138	
0.028748		0.059926	0.09	0.03	0.03	0.179928	
0.603708		12.395667	0.72	0.12	0.06	12.428828	
322.023337		322.023337				322.023337	
3.220233		3.220233				3.220233	
0.63		12.69	0.78	0.12	0.06	12.69	
0.001711		0.036051	0.002215	0.000375	0.000163	0.039656	
29.33688		6477.67881	28.317698	4.275193	1.378426	4212.73312	
29.33688		6477.67881	28.317698	4.275193	1.378426	4212.73312	

0.026291		0.294332	0.06			0.261171	
8.466527		94.78208	19.3214			84.103468	
-29.33688		-6477.6788	-28.317698	-4.275193	-1.378426	-4212.7331	
-251.69993		-16720.911	-286.72465	-47.193187	-22.078252	-12378.034	
53.584		912.518	67.8892	11.8118	5.9601	997.6633	
0.1		0.34	0.12	0.02	0.02	0.64	
202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
0.63		12.69	0.78	0.12	0.06	12.69	
202.874702		4086.47616	251.178203	38.6428	19.3214	4086.47616	
11.455733	11.418527	12.101973	11.694705	11.369984	11.478553	12.165785	11.473323
0.765218	0.764834	0.558992	0.67766	0.789587	0.755274	0.540652	0.744848
0.731411	0.729711	0.314141	0.646065	0.757683	0.721105	0.484612	0.709428
291532.746	252462.183	124598.696	249584.917	261415.411	287534.017	175960.684	271057.708
1202.72765	1149.28074	585.812312	1013.62933	896.823845	1052.19959	773.114194	1206.33669
11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
0.045543	0.047093	0.047329	0.047159	0.041125	0.045597	0.055593	0.046789
130917.753	113476.419	56030.1675	112339.473	117472.156	129299.76	79083.0306	121944.918
142613.081	123373.242	61062.5973	121950.726	127749.642	140474.869	86326.4064	132387.385
2.1391	2.1391	2.1391	2.1391	2.1391	2.1391	2.139099	2.1391
137345.815	119048.111	58781.2487	117855.341	123240.039	135648.379	82966.0074	127932.414
15103.32	13111.99	8499.81	14422.2	13194.12	15102.46	12346.59	14427.79
41.04163	40.974968	24.147187	40.972159	41.231625	41.039293	38.583093	40.988039
15824	13760	15136	15136	13760	15824	13760	15136
43	43	43	43	43	43	43	43
11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
25.923916	25.940521	27.609742	26.632723	25.775214	26.034763	27.680023	25.980279
25.507227	25.429938	26.88636	26.023857	25.329602	25.56517	27.022158	25.553686
295673.757	256965.03	127412.975	254570.211	265476.014	292036.864	179860.471	275198.719
491619.54	380292.38	253421.541	416133.938	510073.148	523339.067	346673.89	411631.821
195945.782	123327.35	126008.566	161563.726	244597.135	231302.203	166813.419	136433.102
491619.54	380292.38	253421.541	416133.938	510073.148	523339.067	346673.89	411631.821
351.24	304.93	197.67	335.4	306.84	350.94	287.13	335.53
31.019626	28.707275	19.695805	21.512992	27.047515	31.093832	11.551578	28.805382
6.203925	5.167309	2.166538	6.884157	3.786652	5.596889	5.19821	27.077059
11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
31.450679	31.377593	13.508096	27.780823	32.580406	31.007527	20.838343	30.505426
127515.073	64013.2257	96721.597	102843.884	183194.438	163717.218	125476.719	72692.4931
127515.073	64013.2257	96721.597	102843.884	183194.438	163717.218	125476.719	72692.4931

11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
291532.746	252462.183	124598.696	249584.917	261415.411	287534.017	175960.684	271057.708
-195945.78	-123327.35	-126008.57	-161563.73	-244597.13	-231302.2	-166813.42	-136433.1
-195945.78	-123327.35	-126008.57	-161563.73	-244597.13	-231302.2	-166813.42	-136433.1
2.43	1.6	0.78	3.45	1.36	2.11	11.36	42.43
		0.40909				0.049999	
82121.9494	64024.5956	39512.8974	79859.1115	86131.8859	92934.8308	62044.8583	72951.124
1.03	1.12	0.7	1.24	1.01	1.12	0.97	1.03
4141.01097	4502.84688	2814.2793	4985.29476	4060.60299	4502.84688	3899.78703	4141.01097
364104.467	316279.154	156699.944	313290.054	326878.71	359621.849	221197.171	338939.328
364104.467	316279.154	156699.944	313290.054	326878.71	359621.849	221197.171	338939.328
279958.896	242421.353	119843.846	239806.067	250989.681	276123.247	169292.414	260319.798
11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
4141.01097	4502.84688	2814.2793	4985.29476	4060.60299	4502.84688	3899.78703	4141.01097
364104.467	316279.154	156699.944	313290.054	326878.71	359621.849	221197.171	338939.328
11573.85	10040.83	4754.85	9778.85	10425.73	11410.77	6668.27	10737.91
0.15		0.3	0.45	0.15		0.9	
0.00057		0.012301	0.000741	0.000125		0.013374	
0.00057		0.012301	0.000738	0.000125		0.013218	
		79.901142	19.3214			94.051365	
		0.35646	0.066409			0.389181	
0.63		12.99	0.78	0.12		12.69	
0.018722	0.028343	0.020568	0.034261	0.046062	0.020543	0.024468	0.034829
9.45		194.85	11.7	1.8		190.35	
191.237027		3943.12538	236.769653	36.4261		3852.06013	
0.214682		0.429364	0.644046	0.214682		1.288093	
11.637675		239.957774	14.40855	2.2167		234.416024	
1083.33	932.79	1034.28	1019.82	915.78	1081.32	936.51	1019.22
2.943831	2.914968	2.938295	2.897215	2.861812	2.938369	2.926593	2.895511
1104	960	1056	1056	960	1104	960	1056
3	3	3	3	3	3	3	3
0.63		12.99	0.78	0.12		12.69	
3.220233		6.440466	9.6607	3.220233		19.3214	
3.220233		6.440466	9.6607	3.220233		19.3214	
202.874702		4183.08316	251.178203	38.6428		4086.47616	
232.211582		10687.9983	279.495902	42.917994		8299.64112	
29.33688		6504.91511	28.317698	4.275193		4213.16496	
232.211582		10687.9983	279.495902	42.917994		8299.64112	
0.21		4.33	0.26	0.04		4.23	
202.874702		4103.18202	231.856803	38.6428		3992.42479	
232.211582		10420.0662	258.406951	42.917994		8178.30109	
0.03		0.059885	0.09	0.03		0.179925	
0.63		12.741877	0.72	0.12		12.397936	
		322.023337				322.023337	
		3.220233				3.220233	

0.63	12.99	0.78	0.12	12.69	
0.001711	0.036903	0.002215	0.000375	0.039656	
29.33688	6504.91511	28.317698	4.275193	4213.16496	
29.33688	6504.91511	28.317698	4.275193	4213.16496	
	0.248122	0.06		0.292063	
	79.901142	19.3214		94.051365	
				0.27	
-29.33688	-6504.9151	-28.317698	-4.275193	-4213.165	
-261.54846	-16924.981	-286.72465	-47.193187	-12391.466	
53.584	933.27	67.8892	11.8118	998.0492	
0.1	0.36	0.12	0.02	0.64	
202.874702	4183.08316	251.178203	38.6428	4086.47616	
202.874702	4183.08316	251.178203	38.6428	4086.47616	
202.874702	4183.08316	251.178203	38.6428	4086.47616	
0.63	12.99	0.78	0.12	12.69	
202.874702	4183.08316	251.178203	38.6428	4086.47616	
6.228858	5.786155	2.866514	5.41863	9.125117	6.002917	3.155035	4.950493
0.076489	0.062042	0.103634	0.119865	0.189148	0.163711	0.1107	0.072652
0.074119	0.060706	0.09959	0.115835	0.182543	0.157918	0.107218	0.071272
5995.19663	1144.24369	8246.84949	13519.6171	73593.8756	41468.2009	21047.0926	40135.5537
22.607555	4.96592	37.935838	46.979594	230.013716	137.081534	88.986361	174.684891
1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
0.029741	0.036109	0.027684	0.024928	0.030671	0.029184	0.032812	0.028153
19533	13887.7	25379.2	29411.5	42121.9	41949.7	24897.5	17944.4
99710.3253	65669.5657	109913.886	128981.067	185449.511	185692.6	110453.506	84567.7103
2.081854	1.90287	0.864423	1.644463	2.749381	1.840475	0.989117	1.61005
1063.78741	241.178046	1855.06545	3099.81021	16633.8362	9421.60844	4717.9294	8602.49281
17849	15384.6	17183.1	17158.7	15556.5	17842	15414.7	17118
48.502717	48.076875	48.815625	48.746306	48.614062	48.483695	48.170937	48.630681
18400	16000	17600	17600	16000	18400	16000	17600
50	50	50	50	50	50	50	50
1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
50.165028	40.703207	23.535277	45.540328	70.081241	48.702878	26.260338	34.765388
29.757686	27.001626	12.447249	23.672727	39.558839	26.388659	14.28357	22.906608
100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
139230.985	84717.0609	312684.979	220511.708	293250.828	289277.559	336518.445	111918.743
39171.2865	18837.1073	202256.278	90914.2261	106955.767	102981.062	225641.798	27054.9971
139230.985	84717.0609	312684.979	220511.708	293250.828	289277.559	336518.445	111918.743
215.66	131.12	121.9	198.26	278.87	243.05	135.07	132.61
94064.5016	64735.71	102181.852	116077.865	112701.185	144828.297	89829.5545	44728.1926
130367.657	83290.9298	286416.276	196442.047	173076.196	223644.751	270620.764	58528.7143
9.747308	8.981799	4.576861	8.46783	11.595131	8.593613	4.672147	4.610956
1288.43807	954.099162	1621.99699	1820.45846	1750.12475	2242.01493	1384.53182	643.737174
78.054081	65.334669	73.081873	72.534406	73.714014	73.982134	81.315053	70.06343
22.610079	11.76024	13.667734	26.09178	46.331387	30.329969	15.443304	24.502758

1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
3.705978	3.035312	4.979545	5.791761	9.127187	7.895923	5.360937	3.563636
39171.2865	18837.1073	202256.278	90914.2261	106955.767	102981.062	225641.798	27054.9971
39171.2865	18837.1073	202256.278	90914.2261	106955.767	102981.062	225641.798	27054.9971
75.361928	17.200837	130.803013	218.241536	1170.57525	663.685072	330.968178	610.662825
5995.19663	1144.24369	8246.84949	13519.6171	73593.8756	41468.2009	21047.0926	40135.5537
20.41	14.91	26.59	32.42	39.89	44.81	24.47	16.22
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-169538.94	-102128.04	-488672.55	-287356.27	-280031.96	-326625.81	-496262.56	-85583.711
0.4	0.09	0.74	1.63	9.66	4.77	2.44	3.62
11260.4937	7088.0192	13964.5432	19026.638	32215.6186	30079.1568	15136.4231	9236.3776
0.31	0.17	0.29	0.44	0.59	0.19	0.14	0.26
180.783	99.413	192.815	283.03	373.245	117.103	85.616	149.296
100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
99710.3253	65669.5657	109913.886	128981.067	185449.511	185692.6	110453.506	84567.7103
1363.8	971.3	1752.8	2038.7	2920.7	2905.7	1715.5	1254.4
180.783	99.413	192.815	283.03	373.245	117.103	85.616	149.296
100059.698	65879.9537	110428.701	129597.482	186295.061	186296.498	110876.647	84863.7463
168.59	110.975	322	333.385	472.305	486.795	337.525	146.74
0.11							
0.15		0.3	0.45	0.15	0.15	0.9	
0.00057		0.012428	0.000738	0.000125	0.000062	0.013432	
0.00057		0.012301	0.000738	0.000125	0.000054	0.012625	
		87.163849	25.761867			115.928401	
		0.387608	0.088546			0.480209	
0.84		17.32	1.04	0.16	0.08	16.16	
0.020461	0.020781	0.035795	0.035909	0.035593	0.032581	0.026531	0.032272
12.6		259.8	15.6	2.4	1.2	242.4	
254.982703		5257.50051	315.692871	48.568134	24.284067	4905.38154	
0.214682		0.429364	0.644046	0.214682	0.214682	1.288093	
15.5169		319.943699	19.2114	2.9556	1.4778	298.515599	
1441.88	1253.4	1357.6	1357.44	1234.44	1424.04	1246.04	1362.56
3.918152	3.916875	3.856818	3.856363	3.857625	3.869673	3.893875	3.870909
1472	1280	1408	1408	1280	1472	1280	1408
4	4	4	4	4	4	4	4
0.84		17.32	1.04	0.16	0.08	16.16	
3.220233		6.440466	9.6607	3.220233	3.220233	19.3214	
3.220233		6.440466	9.6607	3.220233	3.220233	19.3214	
270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
309.615443		14250.6644	372.661202	57.223992	27.599768	10456.8093	
39.11584		8673.22015	37.756931	5.700257	1.837901	5252.91212	
309.615443		14250.6644	372.661202	57.223992	27.599768	10456.8093	
0.21		4.33	0.26	0.04	0.02	4.04	
270.499603		5490.28036	309.142404	51.523734	25.761867	5087.96874	
309.615443		13945.2576	344.542601	57.223992	27.599768	10333.5163	

0.04		0.079907	0.12	0.04	0.04	0.24	
0.84		17.049324	0.96	0.16	0.08	15.8	
		1020.99593	351.739448			342.703047	
		10.209959	3.517394			6.85406	
0.84		17.32	1.04	0.16	0.08	16.16	
0.002282		0.049204	0.002954	0.0005	0.000217	0.0505	
39.11584		8673.22015	37.756931	5.700257	1.837901	5252.91212	
39.11584		8673.22015	37.756931	5.700257	1.837901	5252.91212	
		0.270675	0.08			0.36	
		87.163849	25.761867			115.928401	
0.19		4.25	0.23	0.04	0.02	3.92	
-39.11584		-8673.2202	-37.756931	-5.700257	-1.837901	-5252.9121	
-348.73128		-22618.478	-382.29953	-62.92425	-29.43767	-15586.428	
		0.06	0.02			0.09	
53.584		933.27	67.8892	11.8118	5.9601	957.8059	
0.1		0.36	0.12	0.02	0.02	0.64	
270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	
0.84		17.32	1.04	0.16	0.08	16.16	
270.499603		5577.44421	334.904271	51.523734	25.761867	5203.89714	

10.360204	10.332876	10.840687	10.554838	10.305482	10.406433	10.886425	10.389888
0.603671	0.606647	0.378591	0.5059	0.62902	0.574048	0.378079	0.55937
0.571343	0.577004	0.259323	0.481147	0.592449	0.540325	0.353197	0.524098
347963.808	305295.759	154739.223	282381.651	312659.49	329198.19	193280.102	305918.602
1434.18939	1388.30449	725.940832	1142.19752	1063.36936	1197.30207	845.12477	1359.09348
12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
0.055597	0.049218	0.064886	0.052528	0.060187	0.062092	0.065687	0.06267
125509.899	110234.498	55933.1568	102193.256	112990.358	119028.278	69589.8322	110540.303
136874.035	120112.221	60819.4954	110559.216	122574.355	128977.703	76346.5148	119984.372
2.7222	2.7222	2.722199	2.7222	2.7222	2.7222	2.722199	2.7222
204857.257	179924.748	91294.0985	166799.832	184422.862	194277.956	113584.524	180423.883
20365.844	17829.05	14090.956	19543.686	17623.364	20225.79	17520.228	19334.484
55.341967	55.715781	40.031125	55.521835	55.073012	54.961385	54.750712	54.927511
21564.8	18752	20627.2	20627.2	18752	21564.8	18752	20627.2
58.599999	58.6	58.6	58.6	58.6	58.599999	58.6	58.6
12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
31.311568	31.099593	35.248335	32.399418	31.329753	31.675487	36.33226	31.533898
28.714392	28.641738	30.020331	29.248484	28.569602	28.846996	30.142663	28.801343
371723.936	325251.855	172532.19	302846.858	334365.954	353271.928	219753.483	329630.686
579069.15	451806.274	354349.425	497475.673	610181.966	608023.389	449440.908	469907.417
207345.213	126554.419	181817.235	194628.815	275816.011	254751.461	229687.425	140276.731
579069.15	451806.274	354349.425	497475.673	610181.966	608023.389	449440.908	469907.417
347.54	304.25	240.46	333.51	300.74	345.15	298.98	329.94
51.144237	259.401659	102.417047	39.004803	3.625681		28.745498	3.099627
80.336997	418.502228	303.170069	73.855938	3.415134		95.350166	8.444928

1.578463	3.457924	1.390977	0.857906	0.120408		0.712846	0.067659
1.622397	8.907707	3.554	1.325414	0.120408		1.011025	0.112807
33.648011	27.40048	18.019437	25.71262	29.56183	28.061943	14.590276	27.331157
28.600809	23.83656	11.892828	20.045973	24.222834	22.730174	14.29847	27.331157
12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
33.480711	33.812443	15.196335	28.195232	34.717518	31.663103	20.697356	30.712164
141741.189	68934.8469	152580.974	141212.401	216755.951	192535.38	193312.819	82497.3147
141741.189	68934.8469	152580.974	141212.401	216755.951	192535.38	193312.819	82497.3147
12319.2796	10811.0743	5345.556	9923.39659	11109.4856	11652.022	6622.14297	10810.5692
347963.808	305295.759	154739.223	282381.651	312659.49	329198.19	193280.102	305918.602
0.06	0.13	0.03	0.01				0.01
-207345.21	-126554.42	-181817.24	-194628.82	-275816.01	-254751.46	-229687.42	-140276.73
-207425.55	-126972.92	-182120.41	-194702.67	-275819.43	-254751.46	-229782.77	-140285.18
16.86	16.75	10.58	13.9	13.53	16.45	70.3	245.51
		0.272727					
76158.324	60888.2815	43321.4262	74850.4654	79517.6112	85587.4233	61466.9144	66972.1804
1.3	1.08	0.97	1.12	1.19	1.32	1.45	1.3
23708.984	19696.6944	17690.5496	20426.2016	21702.8392	24073.7376	26444.636	23708.984
437327.961	382871.427	201768.451	356263.273	393426.014	415488.009	256128.089	387410.102
437327.961	382871.427	201768.451	356263.273	393426.014	415488.009	256128.089	387410.102
341731.292	300036.969	152113.594	277359.048	306997.216	323255.659	189931.039	300408.254
12320.902	10819.982	5349.11	9924.722	11109.606	11652.022	6623.154	10810.682
23708.984	19696.6944	17690.5496	20426.2016	21702.8392	24073.7376	26444.636	23708.984
437327.961	382871.427	201768.451	356263.273	393426.014	415488.009	256128.089	387410.102
6283.66002	5518.19082	2728.0461	5061.60822	5665.89906	5942.53122	3377.80854	5513.44782
0.05	0.09	0.03	0.02	0.01		0.01	0.02
4.5	4.2	2.7	5.55	7.5	5.7	3	3.75
0.06885	0.053251	0.099923	0.114958	0.176201	0.156106	0.107213	0.063106
0.067228	0.051437	0.095681	0.110738	0.171875	0.151956	0.101156	0.060454
792.963226	119.374884	1244.05732	2162.13999	13051.553	6961.23014	4266.53467	4536.9566
2.965496	0.523828	5.788307	7.389257	40.541821	22.837637	17.833133	19.671285
346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
0.027146	0.032625	0.031477	0.030937	0.022843	0.037228	0.033718	0.038096
5195.4	3456.6	7072.8	8185.8	11550	11743.2	6797.7	4468.8
26548.7774	16363.9476	30714.2984	35885.9708	50934.3666	52053.7106	30140.6019	21269.9075
1.475404	1.293742	0.776722	1.607575	2.173948	1.669286	0.899553	1.182715
138.474013	24.289054	278.336814	505.356999	2939.65731	1576.90265	948.485956	961.059717
5012.14	4333.84	4772.88	4775.54	4377.66	4960.2	4328.94	4740.26
13.619945	13.54325	13.559318	13.566875	13.680187	13.478804	13.527937	13.466647
5152	4480	4928	4928	4480	5152	4480	4928
14	14	14	14	14	14	14	14
346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
22.250703	19.764085	11.800115	24.60367	33.042308	25.10967	13.904803	17.890831
22.250703	19.764085	11.800115	24.60367	33.042308	25.10967	13.904803	17.890831
26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075
36900.5871	20938.2801	97515.9209	60940.9209	79664.6756	80419.2699	91508.4102	28117.263

10267.8097	4469.33244	66602.1226	24802.9501	28509.809	28260.5594	61294.3083	6752.85554
36900.5871	20938.2801	97515.9209	60940.9209	79664.6756	80419.2699	91508.4102	28117.263
102.8	65.74	73	112.51	144.01	122.57	76.49	67.39
25839.8141	16349.5728	29669.741	33975.8308	38103.3135	45197.4804	25947.5672	16827.4509
35700.5972	20808.4313	93533.5113	57115.312	58648.4888	69398.6257	79041.8847	22013.2957
4.179807	3.914681	2.513775	5.115034	6.626425	5.187343	2.587761	3.313283
337.128399	228.820729	452.964212	512.029533	574.022845	677.753156	389.947602	233.849352
80.740129	73.594337	68.103342	68.004515	69.881538	69.7595	71.716599	73.850641
12.111019	3.679716	4.767233	18.361219	33.240775	24.415825	12.191821	16.145218
346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
0.941195	0.720125	1.339545	1.55034	2.40625	2.127391	1.416187	0.846363
10267.8097	4469.33244	66602.1226	24802.9501	28509.809	28260.5594	61294.3083	6752.85554
10267.8097	4469.33244	66602.1226	24802.9501	28509.809	28260.5594	61294.3083	6752.85554
9.2316	1.61927	18.555787	33.690466	195.977154	105.126843	63.232397	64.070647
792.963226	119.374884	1244.05732	2162.13999	13051.553	6961.23014	4266.53467	4536.9566
9.99	7.23	5.98	10.31	12.08	13.1	4	7.14
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-45968.407	-25277.764	-160135.63	-81918.262	-87158.298	-97659.185	-140336.19	-28766.151
0.2	0.07	0.36	0.58	2.98	1.42	0.62	1.55
6178.5761	3696.7588	7247.1557	10217.6902	17072.5369	16101.3096	7531.8231	4795.9064
0.08	0.1	0.19	0.24	0.21	0.1	0.07	0.09
84	105	199.5	252	220.5	105	73.5	94.5
26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075
26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075
26548.7774	16363.9476	30714.2984	35885.9708	50934.3666	52053.7106	30140.6019	21269.9075
346.36	230.44	471.52	545.72	770	782.88	453.18	297.92
84	105	199.5	252	220.5	105	73.5	94.5
26632.7774	16468.9476	30913.7984	36137.9708	51154.8666	52158.7106	30214.1019	21364.4075

10.950666	10.908094	11.398761	11.178806	10.960108	11.055788	11.503389	10.979857
0.434637	0.429342	0.317937	0.396794	0.487916	0.44993	0.307587	0.307
0.418382	0.412828	0.278347	0.381951	0.469238	0.432898	0.269995	0.205825
1411790.77	1088547.96	916785.352	1295005.09	1647429.01	1658676.28	856265.388	790141.393
5792.11274	4937.76911	4294.50703	5187.29139	5559.44621	5996.43518	3702.64589	3504.60955
56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572
0.033048	0.034803	0.034927	0.034266	0.035957	0.034424	0.037923	0.033641
611149.592	523539.622	402079.409	542770.638	599532.867	639206.866	357221.997	287824.043
898766.288	725819.56	670230.802	833885.004	996672.473	1033899.67	616133.774	510576.458
2.770503	2.733675	2.80538	2.755684	2.841006	2.793683	2.744959	2.670947
847465.824	734738.55	538488.54	716856.859	756563.644	820398.701	453918.201	308356.296
7243.19955	2501.41355	10734.0956	16211.1444	60985.7056	41650.0372	15598.7063	40288.885
129953.484	112860.69	113144.661	124441.386	113072.214	129824.92	103219.733	86683.234
353.134467	352.689656	321.433696	353.526664	353.350668	352.785108	322.561665	246.259187
135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572

209.270897	183.886047	170.049674	222.159644	242.072403	201.870274	225.981197	137.006415
31.754068	31.231895	33.449167	32.24481	32.764637	32.391962	32.895654	30.647569
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2768452.73	2089372.3	2710949.44	2579887.59	3228331.32	3259344.89	2465466.34	1270939.21
899233.612	523593.544	1411386.43	914511.971	1344491.61	1268449.89	1307708.53	379059.529
2768452.73	2089372.3	2710949.44	2579887.59	3228331.32	3259344.89	2465466.34	1270939.21
1595.25	1278.82	1077.73	1454.09	1538.95	1595.87	1148.41	1006.86
422832.111	446528.854	356095.545	338212.8	204469.983	296001.818	266433.757	73888.2983
639527.681	642406.567	1082186.84	593075.489	315778.546	469097.601	781864.78	97169.842
7.81956	15.20066	4.258096	5.919686	5.01206	5.15778	3.297068	3.212857
9041.32808	11261.3114	6998.07072	6857.70869	3458.52353	5201.95907	4520.933	1111.30046
37.521918	31.337011	22.572683	32.529013	43.21803	36.89173	22.012036	35.396812
37.490235	31.256016	22.463513	32.458081	43.113533	36.876285	22.00447	35.358325
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153.588244	151.549281	102.181363	140.214403	172.257293	158.917103	99.115175	75.558443
609574.531	272406.207	1233898.42	669284.445	1085733.92	987545.794	1151432.32	257539.504
609574.531	272406.207	1233898.42	669284.445	1085733.92	987545.794	1151432.32	257539.504
47479.1459	37234.4586	28969.7693	42497.7613	51663.8105	53279.5349	27195.923	25485.2715
1411790.77	1088547.96	916785.352	1295005.09	1647429.01	1658676.28	856265.388	790141.393
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217.22	166.57	269.77	253.34	247	277.03	264.74	316.86
		0.061983				0.027272	0.090909
274496.355	212036.138	189258.414	283258.779	330566.792	344563.456	213004.915	167585.705
4.55	3.85	4.37	5.03	4.78	4.33	5.44	3.51
35166.0614	31150.8881	27257.9425	33044.929	32939.2128	36705.3639	35388.1437	28443.7273
2158878.2	1816966.1	1477051.02	1910603.15	2142597.4	2271799.1	1314034.03	1013399.71
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1746232.11	1460558.11	1208719.34	1550741.86	1753236.12	1854298.37	1070051.97	818932.755
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87820.9455	74069.7615	63585.7225	81588.8293	97664.383	99891.2665	52317.69	44503.2042
38.88	52.89	13.52	20.72	3.87	8.7	6.55	0.02

3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
1451.00783	969.834607	1292.59482	1866.22333	2431.78011	2538.63411	1293.93084	3713.69108
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89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
215.95	166.44	276.79	252.53	246.35	276.06	266.36	319.59
155.177736	133.3976	156.96788	187.384285	218.868849	208.721555	185.64718	184.191951
71.872877	62.195877	80.825174	89.634248	103.452605	101.581033	103.674591	104.652336
18418.5269	11575.7718	24955.877	26399.1959	28417.4618	32420.2133	30828.9612	34333.8078

-89390.988	-70377.608	-75177.915	-87381.272	-93447.488	-101091.4	-73671.499	-79357.527
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3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3716896.5	2611302.88	2930644.27	3575516.12	4929713.15	4812266.26	2811228.7	3527680.98
89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
1451.00783	969.834607	1292.59482	1866.22333	2431.78011	2538.63411	1293.93084	3713.69108
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89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
215.95	166.44	276.79	252.53	246.35	276.06	266.36	319.59
155.177736	133.3976	156.96788	187.384285	218.868849	208.721555	185.64718	184.191951
71.872877	62.195877	80.825174	89.634248	103.452605	101.581033	103.674591	104.652336
18418.5269	11575.7718	24955.877	26399.1959	28417.4618	32420.2133	30828.9612	34333.8078
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-3362434.6	-2397740.1	-2653567.1	-3104455.1	-4215639.4	-4108963.9	-2510794.9	-2685848.6
-37.595923	-34.032194	-35.227102	-35.545886	-45.043433	-40.635882	-34.164797	-33.882053
-3362434.6	-2397740.1	-2653567.1	-3104455.1	-4215639.4	-4108963.9	-2510794.9	-2685848.6
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3716896.5	2611302.88	2930644.27	3575516.12	4929713.15	4812266.26	2811228.7	3527680.98
89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63

277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
1146.81314	1181.21836	1235.66517	873.48362	515.521347	617.542317	823.643083	1055.43933
7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
285450.719	242883.385	254964.318	204617.761	179115.373	184060.05	173368.529	221756.247
7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
20.879993	22.438213	20.719517	16.777396	12.870231	12.630812	16.241676	18.664021
8294.69704	-16107.452	-8103.9332	-8398.8089	30562.0167	16401.6728	-14099.393	-15214.113

8294.69704	-16107.452	-8103.9332	-8398.8089	30562.0167	16401.6728	-14099.393	-15214.113
7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
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277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36
7683.8376	7180.22836	7293.27007	5905.64373	4118.47397	4648.13908	5197.33635	6569.73551
285450.719	242883.385	254964.318	204617.761	179115.373	184060.05	173368.529	221756.247
8294.69704	-16107.452	-8103.9332	-8398.8089	30562.0167	16401.6728	-14099.393	-15214.113
277156.022	258990.837	263068.252	213016.569	148553.356	167658.377	187467.922	236970.36

272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
1127.97128	1163.30449	1215.92949	857.764855	507.946012	608.185671	809.443279	1037.36454
8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
320659.61	273204.748	286573.073	229423.034	201668.462	207093.825	194551.477	248963.97
18.026165	29.554866	17.85867	23.934807	27.741298		9.502632	26.976847
0.540784	1.773291	8.572162	0.478696	1.109651		1.520421	7.553517
8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
23.456816	25.240264	23.28763	18.816243	14.485325	14.208565	18.230796	20.951406
48057.6242	18136.7336	27704.0492	20258.6578	55285.558	41969.8299	10318.3388	16064.7839
48057.6242	18136.7336	27704.0492	20258.6578	55285.558	41969.8299	10318.3388	16064.7839
8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
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-48057.624	-18136.734	-27704.049	-20258.658	-55285.558	-41969.83	-10318.339	-16064.784
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89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186
8632.10849	8076.88456	8197.24584	6623.31781	4635.30411	5228.75223	5833.85491	7374.89505
320659.61	273204.748	286573.073	229423.034	201668.462	207093.825	194551.477	248963.97
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272601.986	255068.014	258869.024	209164.376	146382.904	165123.995	184233.138	232899.186

175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
728.864867	695.173661	686.419856	686.071323	495.158893	650.139893	501.418434	461.586855
3433.7586	2966.50666	2850.24555	3267.3837	2802.35345	3468.40468	2243.06261	2021.70545
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3433.7586	2966.50666	2850.24555	3267.3837	2802.35345	3468.40468	2243.06261	2021.70545
175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
50273.7549	52620.2544	46268.3682	54473.6438	19053.8152	40486.5143	38633.5469	34413.9363
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175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
3433.7586	2966.50666	2850.24555	3267.3837	2802.35345	3468.40468	2243.06261	2021.70545
175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97
3433.7586	2966.50666	2850.24555	3267.3837	2802.35345	3468.40468	2243.06261	2021.70545
125637.698	99353.8818	99749.7112	112914.423	124510.752	137199.858	76278.5504	69158.0341
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175911.453	151974.136	146018.079	167388.067	143564.567	177686.372	114912.097	103571.97

274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
1136.05438	1119.5667	1004.56061	813.097896	464.890238	556.175404	765.581902	1170.1165
3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
137073.936	112733.768	101003.629	91094.761	75179.632	77756.9759	76287.4386	120705.076
3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
10.172853	10.449244	8.271328	7.636275	5.656511	5.560736	7.413627	10.148045
-137445	-132464.01	-112497.23	-106014.01	-57553.811	-72301.952	-97677.771	-141237.89
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3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
137445.002	132464.014	112497.23	106014.008	57553.8106	72301.9515	97677.7711	141237.886
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274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962
3743.61023	3343.75812	2911.50769	2687.96903	1810.08377	2046.35112	2372.36069	3572.11185
137073.936	112733.768	101003.629	91094.761	75179.632	77756.9759	76287.4386	120705.076
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274518.938	245197.783	213500.859	197108.769	132733.443	150058.927	173965.21	261942.962

1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
4139.70368	4159.26322	4142.57513	3230.4177	1983.51649	2432.04329	2900.0867	3724.50723
23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
868821.964	728175.783	742290.731	638049.979	580474.218	606110.708	520485.995	660583.326
18.026165	29.554866	17.85867	23.934807	27.741298		9.502632	26.976847
0.540784	1.773291	8.572162	0.478696	1.109651		1.520421	7.553517

23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
63.840529	67.398055	60.375764	52.512256	41.769422	41.825128	48.89567	55.506954
-131366.44	-183054.99	-139165.48	-148627.8	9239.94894	-54416.963	-140092.37	-174801.15
-131366.44	-183054.99	-139165.48	-148627.8	9239.94894	-54416.963	-140092.37	-174801.15
23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
131366.436	183054.987	139165.482	148627.803	-9239.9489	54416.9631	140092.372	174801.152
131366.436	183054.987	139165.482	148627.803	-9239.9489	54416.9631	140092.372	174801.152
0.24	0.49	7.42	0.21	0.19		1.86	3.06
357563.951	281510.432	300526.476	346512.351	367965.009	404365.581	294685.995	309394.747
1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
868821.964	728175.783	742290.731	638049.979	580474.218	606110.708	520485.995	660583.326
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1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478

10.950666	10.908094	11.398761	11.178806	10.960108	11.055788	11.503389	10.979857
0.434637	0.429342	0.317937	0.396794	0.487916	0.44993	0.307587	0.307
0.418382	0.412828	0.278347	0.381951	0.469238	0.432898	0.269995	0.205825
3362434.58	2397740.09	2653567.09	3104455.15	4215639.39	4108963.92	2510794.89	2685848.63
2766441.09	2213341.52	2075318.75	2552743.84	2932737.03	3022506.29	1817277.57	2467358.22
11382.8242	10066.8669	9729.67698	10283.9324	9974.74281	10967.1126	7896.66343	10942.8079
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3252611.05	2828357.43	3111193.18	3111193.18	2828357.43	3252611.05	2828357.43	3111193.18
0.033048	0.034803	0.034927	0.034266	0.035957	0.034424	0.037923	0.033641
611149.592	523539.622	402079.409	542770.638	599532.867	639206.866	357221.997	287824.043
898766.288	725819.56	670230.802	833885.004	996672.473	1033899.67	616133.774	510576.458
2.770503	2.733675	2.80538	2.755684	2.841006	2.793683	2.744959	2.670947
847465.824	734738.55	538488.54	716856.859	756563.644	820398.701	453918.201	308356.296
7243.19955	2501.41355	10734.0956	16211.1444	60985.7056	41650.0372	15598.7063	40288.885
129953.484	112860.69	113144.661	124441.386	113072.214	129824.92	103219.733	86683.234
353.134467	352.689656	321.433696	353.526664	353.350668	352.785108	322.561665	246.259187
135092.8	117472	129219.2	129219.2	117472	135092.8	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
56520.474	48495.77	35967.84	49355.47	55122.334	58481.494	31716.856	26596.572
209.270897	183.886047	170.049674	222.159644	242.072403	201.870274	225.981197	137.006415
31.754068	31.231895	33.449167	32.24481	32.764637	32.391962	32.895654	30.647569
1869219.12	1565778.76	1299563.01	1665375.62	1883839.71	1990895	1157757.81	891879.686
2768452.73	2089372.3	2710949.44	2579887.59	3228331.32	3259344.89	2465466.34	1270939.21
89390.9877	70377.6081	75177.9154	87381.2715	93447.4876	101091.395	73671.4988	79357.5272
899233.612	523593.544	1411386.43	914511.971	1344491.61	1268449.89	1307708.53	379059.529

3637274.69	2817548.09	3453240.17	3217937.57	3808805.54	3865455.6	2985952.34	1931522.54
1595.25	1278.82	1077.73	1454.09	1538.95	1595.87	1148.41	1006.86
422832.111	446528.854	356095.545	338212.8	204469.983	296001.818	266433.757	73888.2983
28.75637	26.466447	27.221071	27.036308	33.089994	30.430503	26.259234	26.405295
354461.922	213562.786	277077.185	471060.971	714073.754	703302.339	300433.815	841832.35
215.95	166.44	276.79	252.53	246.35	276.06	266.36	319.59
155.177736	133.3976	156.96788	187.384285	218.868849	208.721555	185.64718	184.191951
4.492054	5.182989	5.051573	5.60214	6.465787	6.772068	6.479661	9.513848
18,419	11,576	24,956	26,399	28,417	32,420	30,829	34,334
639527.681	642406.567	1082186.84	593075.489	315778.546	469097.601	781864.78	97169.842
5.375947	8.867051	2.927441	4.069784	3.445791	3.43852	2.266734	1.752467
9,041	11,261	6,998	6,858	3,459	5,202	4,521	1,111
37.526424	31.323984	22.313135	32.509293	43.155185	36.89173	22.015495	34.894291
37.494853	31.243649	22.220634	32.438384	43.051293	36.876285	22.008155	34.856442
-9377.1988	-314.46041	-17957.806	-19541.487	-24958.938	-27218.254	-26308.028	-33222.507
-25.481518	-0.982688	-51.016495	-55.515588	-77.996682	-73.962647	-82.212588	-94.382123
-6136837.5	-5136746.3	-4670027.3	-5694991.7	-5949023	-6428446.1	-4327812.4	-5714303.5
-68.670398	-73.003133	-62.180226	-65.229084	-63.688268	-63.635742	-58.748439	-72.02162
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70972.4608	58801.8363	50222.0384	60982.0756	65030.0258	68671.182	42842.5376	45023.7194
2411979.17	1999778.73	1798241.57	2081682.87	2218663.28	2319203.95	1516843.76	1625525.87
5847178.45	4885558.97	4492539.31	5449764.16	5690265.27	6147542.04	4171536.16	5592783.43
5562112.69	4456715.18	3687429.66	5327749.64	6088560.47	6381746.78	3690105.2	6337445.94
		0.061983				0.027272	0.090909
721451.294	563924.178	564962.805	717152.402	791979.288	850020.432	581362.409	556337.979
4.55	3.85	4.37	5.03	4.78	4.33	5.44	3.51
35166.0614	31150.8881	27257.9425	33044.929	32939.2128	36705.3639	35388.1437	28443.7273
9774112.22	7954294.39	8123267.5	8912929.26	9757828.5	10293901.7	7313764.72	7645826
6521501.18	5125936.96	5012074.32	5801736.08	6929471.07	7041290.69	4485407.28	4534632.82
1746232.11	1460558.11	1208719.34	1550741.86	1753236.12	1854298.37	1070051.97	818932.755
80013.7889	70063.1477	57220.1091	67839.7843	68488.5493	73873.1411	47363.4706	46135.0199
35166.0614	31150.8881	27257.9425	33044.929	32939.2128	36705.3639	35388.1437	28443.7273
6521501.18	5125936.96	5012074.32	5801736.08	6929471.07	7041290.69	4485407.28	4534632.82
87820.9455	74069.7615	63585.7225	81588.8293	97664.383	99891.2665	52317.69	44503.2042
1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478
23493.3149	21567.3777	21252.2691	18484.3143	13366.2153	15391.6471	15646.6146	19538.4479
868821.964	728175.783	742290.731	638049.979	580474.218	606110.708	520485.995	660583.326
-131366.44	-183054.99	-139165.48	-148627.8	9239.94894	-54416.963	-140092.37	-174801.15
1000188.4	911230.77	881456.213	786677.782	571234.269	660527.672	660578.367	835384.478

2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58
-2969775.3	-2828357.4	-3164723.7	-3020872.7	-3020872.7	-3164723.7	-3164723.7	-2877021.6
-2969775.3	-2828357.4	-3164723.7	-3020872.7	-3020872.7	-3164723.7	-3164723.7	-2877021.6
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58
33.729183	34.416933	50.728333	47.275333	39.002523	35.477593	36.700523	36.412773
21.962803	21.962944	22.401959	22.40202	22.402302	22.40202	22.40208	22.40206
33.605474	34.293224	50.606392	47.153392	38.880582	35.355652	36.578582	36.290832
33.700635	34.388385	50.700193	47.247193	38.974383	35.449453	36.672383	36.384633
32.986931	33.674681	49.996684	46.543684	38.270874	34.745944	35.968874	35.681124
33.262897	33.950647	50.268708	46.815708	38.542898	35.017968	36.240898	35.953148
33.681603	34.369353	50.681433	47.228433	38.955623	35.430693	36.653623	36.365873
33.719667	34.407417	50.718953	47.265953	38.993143	35.468213	36.691143	36.403393
20.236722	20.236722	20.641456	20.641456	20.641456	20.641456	20.641456	20.641456
1.09	1.09	1.11	1.11	1.11	1.11	1.11	1.11
33.42467	34.11242	50.42817	46.97517	38.70236	35.17743	36.40036	36.11261
5.101102	5.789323	5.944433	5.957048	5.303519	4.758438	4.450001	4.423877
26.375141	26.891004	37.852226	35.551282	29.981638	27.586238	28.375827	28.181815
26.375141	26.891004	37.852226	35.551282	29.981638	27.586238	28.375827	28.181815

		0.55576	0.41682	0.27788		0.41682	0.41682
		0.012777	0.008359	0.003756		0.003604	0.001305
		0.012777	0.008359	0.003756		0.003484	0.001305
		1067.12685	1129.60375	22.392375			
		3.680068	3.81494	0.083806			
		101.2	63.2	28.4		27.6	9.4
0.024345	0.034531	0.02034	0.023422	0.037053	0.032215	0.030994	0.028562
		1406.0728	878.1008	394.5896		383.4744	130.6036
		29023.3912	18125.2799	8144.90425		7915.47033	2695.84859
		0.875906	0.656929	0.437953		0.656929	0.656929
		1766.30865	1103.07022	495.683455		481.720541	164.064242
7375.95	6951.375	7758.9	7382.925	7279.875	7664.85	7674.525	6994.35
21.952232	21.723046	22.042329	21.972991	21.666294	21.775142	21.802627	21.857343
7560	7200	7920	7560	7560	7920	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
		101.2	63.2	28.4		27.6	9.4
		12.282471	9.179191	6.126316		9.340893	9.400882
		12.282471	9.179191	6.126316		9.340893	9.400882
		30945.5351	19311.6519	8683.17351		8466.91407	2908.34203
		38758.0893	25432.6923	11616.5002		9756.93842	3239.23577
		7812.5542	6121.04043	2933.32668		1290.02435	330.893733
		38758.0893	25432.6923	11616.5002		9756.93842	3239.23577
		12.26	8.43	6.28		5.64	3.55
		29878.4082	18182.0482	8660.78113		8466.91407	2908.34203
		37393.5252	23990.4509	11590.2983		9756.93842	3239.23577
		0.791369	0.578225	0.39718		0.6	0.6
		97.705989	59.501426	28.326682		27.6	9.4
		306.462444	306.41017	305.416046			
		6.129248	9.192305	3.05416			
		101.2	63.2	28.4		27.6	9.4
		0.2875	0.188095	0.084523		0.078409	0.029375
		7812.5542	6121.04043	2933.32668		1290.02435	330.893733
		7812.5542	6121.04043	2933.32668		1290.02435	330.893733
		3.49401	3.698573	0.073317			
		1067.12685	1129.60375	22.392375			
		0.78	0.56	0.26		0.51	0.19
		-7812.5542	-6121.0404	-2933.3267		-1290.0244	-330.89373
		-45206.079	-30111.491	-14523.625		-11046.963	-3570.1295
		0.01	0.03				
		1438.6018	894.6297	358.2339		305.7649	127.3604
		0.04	0.01	0.01		0.04	0.04
		37.4312	9.3578	9.3578		37.4312	37.4312
		30945.5351	19311.6519	8683.17351		8466.91407	2908.34203
		30945.5351	19311.6519	8683.17351		8466.91407	2908.34203
		30789.6999	19228.3501	8640.58771		8397.19087	2859.91283

		101.2	63.2	28.4		27.6	9.4
		37.4312	9.3578	9.3578		37.4312	37.4312
		30945.5351	19311.6519	8683.17351		8466.91407	2908.34203
		118.404	73.944	33.228		32.292	10.998
4.05017	3.39084	5.557209	5.557209	4.89788	5.46302	3.861789	4.61531
0.120509	0.075234	0.259866	0.214926	0.157399	0.171283	0.20609	0.193592
0.116666	0.074031	0.253181	0.205327	0.154285	0.165965	0.199715	0.189062
40275.7383	57523.8209	147883.885	107870.764	39670.2379	16081.9624	66485.0685	66592.2142
164.446167	192.797945	510.482203	384.323536	152.855317	69.862957	303.953373	234.408365
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509
0.035	0.0265	0.026732	0.031369	0.030416	0.034403	0.03	0.02625
21415.0384	12941.8944	48686.4342	37689.375	28320.2957	31914.9628	38405.0306	33051.271
114016.77	78172.8297	279731.024	215647.731	150755.828	154228.62	174287.465	152219.62
2.220863	2.160185	3.02372	3.038478	2.665926	2.818275	1.808567	2.195394
6486.57361	8351.37283	22441.6831	16242.6436	6329.61072	2802.39416	12226.2484	12285.3435
18805.92	18068.16	19870.22	18876.68	18895.24	19713.62	19803.52	18072.8
55.97	56.463	56.449488	56.180595	56.235833	56.004602	56.26	56.4775
19488	18560	20416	19488	19488	20416	20416	18560
58	58	58	58	58	58	58	58
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509
24.506277	23.41783	33.332978	33.496764	29.549417	31.459033	20.476029	24.842334
24.506277	23.41783	33.332978	33.496764	29.549417	31.459033	20.476029	24.842334
132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642
170908.358	110891.487	608430.957	485782.33	303683.556	264095.973	446352.881	326304.723
38388.3907	21515.541	286142.441	237168.137	128092.003	81794.6669	238372.706	145122.081
170908.358	110891.487	608430.957	485782.33	303683.556	264095.973	446352.881	326304.723
112.66	97.91	226.36	216.01	168.5	173.97	126.21	134.1
92244.2289	31852.1253	174404.631	140743.428	135921.315	166219.343	141495.106	114590.428
119667.302	38993.8605	342301.839	267657.295	236767.352	238574.328	301320.073	208648.947
19.827099	10.598116	21.458358	22.679367	25.917087	31.57289	19.498095	20.17732
1584.93097	487.36825	2786.36279	2276.96479	2334.71546	3090.83434	2779.35898	2204.68495
59.457426	66.859057	58.514304	58.925159	59.075617	54.935523	50.663775	51.581842
24.352503	24.003082	33.34892	34.168159	27.150902	25.258572	20.236088	24.725388
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509
6.766666	4.293812	14.684545	11.908988	8.948571	9.626022	11.583522	10.965625
38388.3907	21515.541	286142.441	237168.137	128092.003	81794.6669	238372.706	145122.081
38388.3907	21515.541	286142.441	237168.137	128092.003	81794.6669	238372.706	145122.081
688.669031	886.651749	2382.59721	1724.45521	672.004535	297.525656	1298.04102	1304.31505
40275.7383	57523.8209	147883.885	107870.764	39670.2379	16081.9624	66485.0685	66592.2142
19	11.29	27.19	18.98	18.66	25.46	13.76	16.63
-38388.391	-21515.541	-286142.44	-237168.14	-128092	-81794.667	-238372.71	-145122.08
-158055.69	-60509.401	-628444.28	-504825.43	-364859.36	-320368.99	-539692.78	-353771.03
4.56	5.54	7.24	4.68	2.13	0.89	2.66	4.16
9645.0048	6996.8426	25487.0503	19053.2951	13106.4619	13146.2304	15311.0149	16046.4763
0.53	0.37	0.4	0.36	0.42	0.67	0.6	0.44
223.4533	155.9957	172.02	154.818	180.621	288.1335	258.03	189.222

132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642
132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642
114016.77	78172.8297	279731.024	215647.731	150755.828	154228.62	174287.465	152219.62
2273.6	1374.02	5168.96	4001.42	3006.72	3388.36	4077.4	3509
223.4533	155.9957	172.02	154.818	180.621	288.1335	258.03	189.222
132519.967	89375.9462	322288.516	248614.193	175591.553	182301.306	207980.175	181182.642
18279.744	11047.1208	42385.472	32811.644	24655.104	27784.552	33434.68	28773.8
		0.08	0.12	0.14			
10.996936	10.957655	10.986581	10.987466	10.984535	10.985112	11.15511	11.067266
0.657793	0.690828	0.69728	0.682523	0.667877	0.669363	0.608234	0.631552
0.544135	0.671395	0.674045	0.656499	0.645648	0.644722	0.58728	0.611364
571373.321	746309.63	835764.322	766858.262	689037.139	579732.524	639116.108	660805.962
2315.85526	2561.87594	2913.21774	2788.7384	2766.30542	2592.02919	2946.79391	2607.8071
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674
0.039434	0.028562	0.033352	0.039017	0.034702	0.038579	0.036732	0.034593
220553.196	258404.687	285198.032	265548.88	261734.155	273721.272	251605.089	237200.508
238929.281	279520.946	316724.925	294528.562	289607.722	303532.643	279270.376	263056.009
2.7866	2.7866	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663
374190.552	438409.392	500893.303	466383.497	459683.696	480736.67	441894.018	416595.252
30795.84	34505.46	37768.86	35840.79	36001.74	37564.62	37636.77	34291.23
91.654285	107.829562	107.297897	106.669017	107.148035	106.71767	106.922642	107.160093
37296	35520	39072	37296	37296	39072	39072	35520
111	111	111	111	111	111	111	111
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674
32.525331	32.36725	33.329458	33.436725	33.380161	33.388894	33.927882	33.658232
32.193207	32.086286	33.069795	33.073474	33.069552	33.067176	33.553545	33.302624
649655.925	760427.073	865199.14	807059.965	793556.244	830786.171	764218.023	719765.725
830104.788	962250.503	1701299.31	1479114.61	1166926.93	1085045.15	1186336.57	1026044.72
180448.863	201823.429	836100.165	672054.645	373370.682	254258.982	422118.543	306278.995
830104.788	962250.503	1701299.31	1479114.61	1166926.93	1085045.15	1186336.57	1026044.72
277.44	310.86	340.26	322.89	324.34	338.42	339.07	308.93
72999.4036	8346.56352	23465.2986	32739.8031	98300.8558	244337.937	118303.295	53156.0631
117881.321	12410.5818	61780.6765	76277.8894	189241.015	408920.097	278112.536	94473.4586
24.673761	8.814783	10.711262	16.408529	25.661239	41.404623	26.352388	19.028061
2369.69757	271.64802	735.083571	1028.07476	3100.03091	7673.36893	3711.99406	1668.83717
26.276961	30.92729	29.090178	28.059255	26.110367	25.263048	19.807935	23.959798
26.244024	30.922097	29.084136	28.050916	26.066884	25.142268	19.759146	23.925528
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674
60.399065	74.524868	74.819102	72.87147	71.667	71.564204	65.18809	67.861481
65165.7079	66755.2996	687027.154	533252.246	236562.24	111184.873	290604.563	182294.29
65165.7079	66755.2996	687027.154	533252.246	236562.24	111184.873	290604.563	182294.29
17924.3884	23576.31	25601.2404	23456.7392	20980.0811	17517.2311	19234.2139	20046.8368
571373.321	746309.63	835764.322	766858.262	689037.139	579732.524	639116.108	660805.962
36.9	11.36	15.43	18.49	36.78	51.01	17.5	15.2
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-298330.18	-214234.01	-897880.84	-748332.53	-562611.7	-663179.08	-700231.08	-400752.45

171.02	260.39	223.58	217.85	196.89	175.84	226.2	208.06
0.142857							
65401.6703	87949.6272	95066.2607	86087.3185	78268.3992	73341.9738	71484.8933	75962.1741
0.65	0.71	0.72	0.9	0.75	0.81	0.82	0.7
5283.2	5770.88	5969.52	7461.9	6218.25	6715.71	6798.62	5803.7
764939.08	895495.203	1014272.15	945862.364	930364.687	973860.28	895732.003	843750.431
764939.08	895495.203	1014272.15	945862.364	930364.687	973860.28	895732.003	843750.431
613119.833	717930.338	817618.228	760912.059	749291.417	784269.313	721164.395	679651.261
20294.086	23847.958	26336.324	24484.814	24080.112	25190.6	22946.208	21715.674
5283.2	5770.88	5969.52	7461.9	6218.25	6715.71	6798.62	5803.7
764939.08	895495.203	1014272.15	945862.364	930364.687	973860.28	895732.003	843750.431
31252.8924	36725.8553	41611.3919	38686.0061	38046.577	39801.148	36255.0086	34310.7649
24.71	6.98	7.37	10.2	32.65	45.95	18.07	18.27
		0.6	0.45	0.3		0.3	0.45
		0.012033	0.007814	0.003486		0.002585	0.000958
		0.010625	0.007321	0.003422		0.002585	0.000937
		39.415782	88.68551				
		0.133702	0.292025				
		11.22	7.38	3.45		2.73	0.9
0.035446	0.030937	0.039176	0.028065	0.030952	0.033806	0.030823	0.034156
		168.3	110.7	51.75		40.95	13.5
		3473.95721	2285.00929	1068.1954		845.267663	278.659669
		0.875906	0.656929	0.437953		0.437953	0.656929
		211.41846	139.06134	65.00835		51.44139	16.9587
972.27	930.3	1014.63	979.71	976.8	1020.3	1023.45	927.21
2.89366	2.907187	2.882471	2.915803	2.907142	2.898579	2.907528	2.897531
1008	960	1056	1008	1008	1056	1056	960
3	3	3	3	3	3	3	3
		11.22	7.38	3.45		2.73	0.9
		13.138594	9.853945	6.569297		6.569297	9.853945
		13.138594	9.853945	6.569297		6.569297	9.853945
		3685.37567	2424.07063	1133.20375		896.709053	295.618369
		4366.02686	3131.16595	1482.74262		1019.49724	326.185926
		680.651193	707.095322	349.538874		122.788181	30.567556
		4366.02686	3131.16595	1482.74262		1019.49724	326.185926
		3.74	2.46	1.15		0.91	0.3
		3645.95989	2335.38512	1133.20375		896.709053	295.618369
		4322.02543	3014.29787	1482.74262		1019.49724	326.185926
		0.12	0.09	0.06		0.06	0.09
		11.1	7.11	3.45		2.73	0.9
		11.22	7.38	3.45		2.73	0.9
		0.031875	0.021964	0.010267		0.007755	0.002812
		680.651193	707.095322	349.538874		122.788181	30.567556
		680.651193	707.095322	349.538874		122.788181	30.567556

		0.12	0.27				
		39.415782	88.68551				
		-680.65119	-707.09532	-349.53887		-122.78818	-30.567556
		-5002.6766	-3721.3932	-1832.2815		-1142.2854	-356.75348
		1060.3571	696.8481	290.5461		201.6415	81.5739
		0.51	0.68	0.41		0.21	0.11
		3685.37567	2424.07063	1133.20375		896.709053	295.618369
		3685.37567	2424.07063	1133.20375		896.709053	295.618369
		3685.37567	2424.07063	1133.20375		896.709053	295.618369
		11.22	7.38	3.45		2.73	0.9
		3685.37567	2424.07063	1133.20375		896.709053	295.618369
11.493328	11.426976	11.582276	11.553377	11.497946	11.495029	11.89276	11.643396
0.747731	0.7636	0.743552	0.739571	0.749508	0.746161	0.6468	0.703626
0.711268	0.656997	0.711337	0.70219	0.719732	0.714176	0.393779	0.670726
258842.674	226624.193	277505.562	261325.922	267263.395	278272.032	156380.394	239321.07
1062.10317	776.315325	968.353235	951.8476	1079.72888	1249.47872	723.007782	953.250401
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2
0.049672	0.045093	0.042982	0.051339	0.03994	0.043636	0.045312	0.047218
116579.036	102065.852	122313.22	115185.268	117987.773	122639.629	69009.6216	105534.421
126263.197	110506.618	135797.46	127869.967	130553.591	136171.098	76545.9717	117114.786
2.1391	2.1391	2.1779	2.1779	2.1779	2.1779	2.177899	2.177899
122303.067	107077.285	130618.287	123006.348	125999.143	130966.86	73695.3749	112700.208
13730.33	11831.02	14485.41	13706.25	13870.94	14475.52	9208.45	13110.27
40.864077	36.971937	41.151732	40.79241	41.282559	41.123636	26.160369	40.969593
14448	13760	15136	14448	14448	15136	15136	13760
43	43	43	43	43	43	43	43
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2
26.063119	25.884692	26.69485	26.755408	26.499636	26.605688	27.500052	26.952923
25.600097	25.46209	26.254801	26.193966	26.080031	26.065655	26.932786	26.390247
262983.685	229880.716	281524.346	265918.818	270995.123	283069.968	159045.914	243585.902
390643.987	347368.622	660356.044	573071.008	463203.485	440415.197	290689.327	411145.298
127660.302	117487.907	378831.699	307152.19	192208.363	157345.229	131643.413	167559.396
390643.987	347368.622	660356.044	573071.008	463203.485	440415.197	290689.327	411145.298
318.9	275.14	336.87	318.75	322.58	336.48	214.15	304.89
31.466301	33.360472	24.248707	33.458244	25.71887	27.026994	17.495864	21.874615
16.677139	7.672908	2.909844	8.699143	5.91534	5.405398	2.799338	5.249907
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2
30.584553	28.250906	30.587528	30.194196	30.948511	30.709602	16.9325	28.84125
66724.4399	64138.0858	314898.578	246944.851	130536.154	93241.4948	95572.0838	112396.555
66724.4399	64138.0858	314898.578	246944.851	130536.154	93241.4948	95572.0838	112396.555

10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2
258842.674	226624.193	277505.562	261325.922	267263.395	278272.032	156380.394	239321.07
-127660.3	-117487.91	-378831.7	-307152.19	-192208.36	-157345.23	-131643.41	-167559.4
-127660.3	-117487.91	-378831.7	-307152.19	-192208.36	-157345.23	-131643.41	-167559.4
7.24	2.07	1.58	2.49	2.04	2.83	2.09	2.39
	0.099999					0.363636	
75024.7323	75947.0692	93374.4775	83891.3899	77153.1103	72101.0042	44920.5598	74287.8211
1.03	0.81	0.98	1.12	0.91	1.17	0.65	1.04
4141.01097	3256.52319	4018.784	4592.896	3731.728	4797.936	2665.52	4264.832
323919.547	283230.537	345457.466	326126.158	332667.332	347173.702	195117.243	298748.744
323919.547	283230.537	345457.466	326126.158	332667.332	347173.702	195117.243	298748.744
248566.264	217583.903	266415.747	250876.314	256552.734	267137.958	150241.347	229814.994
10276.41	9040.29	10766.81	10145.25	10398.7	10809.78	5960.24	9229.2
4141.01097	3256.52319	4018.784	4592.896	3731.728	4797.936	2665.52	4264.832
323919.547	283230.537	345457.466	326126.158	332667.332	347173.702	195117.243	298748.744
10276.41	9040.29	11089.8143	10449.6075	10710.661	11134.0734	6139.0472	9506.076
		0.6	0.45	0.3		0.3	0.45
		0.011987	0.008305	0.003482		0.002525	0.001041
		0.01142	0.007529	0.003482		0.002471	0.000937
		54.80095	75.523433				
		0.18573	0.246337				
		12.06	7.59	3.51		2.61	0.9
0.034821	0.022031	0.025568	0.03119	0.039136	0.02588	0.025511	0.047156
		180.9	113.85	52.65		39.15	13.5
		3734.03957	2350.02988	1086.77271		808.11304	278.659669
		0.875906	0.656929	0.437953		0.437953	0.656929
		227.24658	143.01837	66.13893		49.18023	16.9587
972.9	938.85	1029	976.56	968.55	1028.67	1029.06	914.73
2.895535	2.933906	2.923295	2.906428	2.882589	2.922357	2.923465	2.858531
1008	960	1056	1008	1008	1056	1056	960
3	3	3	3	3	3	3	3
		12.06	7.59	3.51		2.61	0.9
		13.138594	9.853945	6.569297		6.569297	9.853945
		13.138594	9.853945	6.569297		6.569297	9.853945
		3961.28615	2493.04825	1152.91164		857.29327	295.618369
		4755.37369	3206.57718	1503.70352		977.188684	326.185926
		794.087547	713.528936	350.791882		119.895414	30.567556
		4755.37369	3206.57718	1503.70352		977.188684	326.185926
		4.02	2.53	1.17		0.87	0.3
		3906.4852	2417.52481	1152.91164		857.29327	295.618369
		4691.76293	3108.10979	1503.70352		977.188684	326.185926
		0.119926	0.089813	0.06		0.06	0.09
		11.89316	7.360071	3.51		2.61	0.9
		328.464854	328.464854				
		3.284648	3.284648				

		12.06	7.59	3.51	2.61	0.9	
		0.034261	0.022589	0.010446	0.007414	0.002812	
		794.087547	713.528936	350.791882	119.895414	30.567556	
		794.087547	713.528936	350.791882	119.895414	30.567556	
		0.166839	0.229928				
		54.80095	75.523433				
		0.01	0.18		0.04		
		-794.08755	-713.52894	-350.79188	-119.89541	-30.567556	
		-5485.8505	-3821.6387	-1854.4954	-1097.0841	-356.75348	
		1140.791	717.5459	295.586	193.1102	81.5739	
		0.56	0.71	0.43	0.2	0.11	
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	
		12.06	7.59	3.51	2.61	0.9	
		3961.28615	2493.04825	1152.91164	857.29327	295.618369	
4.369292	2.530835	6.258378	6.97578	4.689015	5.662413	4.153467	5.705409
0.041862	0.018455	0.147323	0.133307	0.086243	0.084465	0.151939	0.117824
0.04072	0.018068	0.142022	0.129565	0.085279	0.081511	0.150187	0.114431
5063.85725	6215.73467	27766.138	25030.3732	6693.41334	2616.4196	14541.4103	15014.3685
21.011543	20.779227	95.539227	88.720258	25.566844	11.134809	66.402759	50.651879
684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9
0.025788	0.03289	0.029545	0.034092	0.027008	0.03071	0.026519	0.031515
9719.3	4090.3	35986.8	31435.9	20614.3	20562.6	38278.5	26404.5
50444.4545	24470.3041	199121.722	174073.271	108088.326	99810.4606	173899.274	123576.673
1.567451	1.094761	2.164748	2.46091	1.642631	1.937989	1.311109	1.801249
957.273511	1045.54763	5178.69498	4448.70241	1190.22242	529.850872	3145.75018	3264.53965
16413.7	15438.5	17014.9	16243	16317.3	17016.9	17227.3	15558
48.850297	48.245312	48.337784	48.342261	48.563392	48.343465	48.941193	48.61875
16800	16000	17600	16800	16800	17600	17600	16000
50	50	50	50	50	50	50	50
684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9
34.540273	20.58472	57.371537	61.664811	40.462776	44.860199	35.775581	46.973169
22.300747	15.466438	30.977111	35.170016	23.447079	27.716987	18.881929	25.927317
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599
60681.4663	28296.1741	375811.75	322081.734	182363.514	135711.363	338896.525	210426.404
10101.2467	3772.986	175864.175	147537.253	73943.7585	35557.7903	164213.802	86296.8047
60681.4663	28296.1741	375811.75	322081.734	182363.514	135711.363	338896.525	210426.404
109.38	65.22	266.46	265.79	165.83	160.93	176.82	186.21
45516.3623	18307.4534	172181.436	149514.108	101726.342	97537.153	160141.313	109115.23
54722.9383	21071.4483	327582.874	275336.491	171474.463	131502.413	310728.976	187406.857
6.446213	3.392564	9.672237	10.148623	7.33367	8.96049	6.600489	8.74709
615.953561	214.651241	2134.04365	1862.7816	1348.53465	1396.94356	2421.74938	1600.43566
77.395375	89.261224	81.571926	83.433442	79.75208	70.113235	74.367089	72.779395
16.253028	14.281795	29.328815	31.699849	22.330582	9.11472	19.330873	24.63922

684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9
2.036011	0.903437	7.101136	6.478273	4.263988	4.075568	7.509375	5.721562
10101.2467	3772.986	175864.175	147537.253	73943.7585	35557.7903	164213.802	86296.8047
10101.2467	3772.986	175864.175	147537.253	73943.7585	35557.7903	164213.802	86296.8047
68.146438	74.448758	365.556351	313.9184	84.165353	37.656444	221.550621	230.464335
5063.85725	6215.73467	27766.138	25030.3732	6693.41334	2616.4196	14541.4103	15014.3685
8.94	3.59	34.31	32.88	21.26	22.55	43.91	28.99
-10101.247	-3772.986	-175864.18	-147537.25	-73943.758	-35557.79	-164213.8	-86296.805
-64824.185	-24844.434	-503447.05	-422873.74	-245418.22	-167060.2	-474942.78	-273703.66
0.42	0.48	2.55	1.79	0.58	0.11	1.51	1.54
5076.161	2452.2406	24879.6276	21662.8278	12576.9112	10819.5462	21334.2848	17414.7293
0.14	0.07	0.64	0.14	0.17	0.26	0.4	0.38
81.37	36.439	438.816	95.991	114.395	156.614	287.253	251.885
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599
50444.4545	24470.3041	199121.722	174073.271	108088.326	99810.4606	173899.274	123576.673
684.1	289.1	2499.6	2176.7	1432.7	1434.6	2643.3	1830.9
81.37	36.439	438.816	95.991	114.395	156.614	287.253	251.885
50580.2195	24523.1881	199947.574	174544.481	108419.756	100153.573	174682.724	124129.599
54.395	16.445	387.035999	375.218999	217.035	186.498	496.196999	301.041
				0.01			
		0.6	0.45	0.3		0.3	0.45
		0.012335	0.007924	0.003482		0.002517	0.000957
		0.012187	0.007142	0.003482		0.002471	0.000937
		41.897085	87.717289				
		0.142383	0.283722				
		17.16	9.6	4.68		3.48	1.2
0.035	0.046843	0.02696	0.026964	0.027142	0.027357	0.04159	0.037468
		257.4	144	70.2		52.2	18
		5313.11103	2972.36981	1449.03028		1077.48405	371.546225
		0.875906	0.656929	0.437953		0.437953	0.656929
		323.345879	180.8928	88.18524		65.57364	22.6116
1296.96	1220.04	1370.04	1307.76	1307.52	1369.48	1349.44	1232.04
3.86	3.812625	3.892159	3.892142	3.891428	3.890568	3.833636	3.850125
1344	1280	1408	1344	1344	1408	1408	1280
4	4	4	4	4	4	4	4
		17.16	9.6	4.68		3.48	1.2
		13.138594	9.853945	6.569297		6.569297	9.853945
		13.138594	9.853945	6.569297		6.569297	9.853945
		5636.45691	3153.26261	1537.21552		1143.05769	394.157825
		6766.42207	4055.14341	2004.93803		1302.86935	434.914568
		1129.96517	901.8808	467.72251		159.811655	40.756742
		6766.42207	4055.14341	2004.93803		1302.86935	434.914568
		4.29	2.4	1.17		0.87	0.3
		5594.55982	3065.54532	1537.21552		1143.05769	394.157825
		6719.00665	3940.66838	2004.93803		1302.86935	434.914568

		0.159462	0.119699	0.08	0.08	0.12	
		17.032445	9.332947	4.68	3.48	1.2	
		333.962569	420.639206				
		6.679251	4.206392				
		17.16	9.6	4.68	3.48	1.2	
		0.04875	0.028571	0.013928	0.009886	0.00375	
		1129.96517	901.8808	467.72251	159.811655	40.756742	
		1129.96517	901.8808	467.72251	159.811655	40.756742	
		0.127554	0.267052				
		41.897085	87.717289				
		4.25	2.33	1.16	0.87	0.28	
		-1129.9652	-901.8808	-467.72251	-159.81166	-40.756742	
		-7848.9718	-4842.5492	-2472.6605	-1462.681	-475.67131	
		0.01	0.06				
		1218.2862	679.7653	295.586	192.3301	81.5739	
		0.56	0.68	0.43	0.2	0.11	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	
		17.16	9.6	4.68	3.48	1.2	
		5636.45691	3153.26261	1537.21552	1143.05769	394.157825	
10.423227	10.383248	10.450184	10.432096	10.407227	10.411384	10.683839	10.528072
0.568841	0.594576	0.601393	0.589169	0.570222	0.572511	0.4403	0.516961
0.539206	0.562877	0.572001	0.559102	0.532533	0.54421	0.299604	0.489258
299704.395	297136.319	344963.986	322570.989	307161.869	328804.95	182991.143	270586.771
1229.02521	1020.59892	1204.73792	1175.22822	1237.04513	1475.31589	846.397326	1068.83554
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572
0.052142	0.052093	0.049232	0.050476	0.064672	0.054346	0.067215	0.055062
108547.704	107633.643	120185.957	112365.449	107219.999	114694.404	63815.5439	94346.44
117165.924	116073.602	133431.453	124821.41	118488.208	127179.254	70826.5386	104589.843
2.7222	2.7222	2.819	2.819	2.819	2.819	2.819	2.818999
177171.563	175679.632	205397.801	192032.552	183238.979	196012.737	109060.765	161238.066
18662.928	17775.138	19611.662	18695.744	18416.222	19506.182	14004.814	17719.468
55.544428	55.547306	55.714948	55.642095	54.810184	55.415289	39.786403	55.373337
19689.6	18752	20627.2	19689.6	19689.6	20627.2	20627.2	18752
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572
31.54074	31.956679	33.137568	32.825805	32.93836	32.562093	37.274797	33.84
28.894707	28.789754	29.977848	29.929052	29.863445	29.86934	30.639173	30.198784
322002	321027.68	368217.678	344529.267	331176.726	351538.219	206353.949	292177.516
448342.549	434705.204	820532.794	697251.572	530554.995	517360.771	366413.168	469613.699
126340.55	113677.524	452315.116	352722.305	199378.269	165822.552	160059.219	177436.183
448342.549	434705.204	820532.794	697251.572	530554.995	517360.771	366413.168	469613.699
318.48	303.33	334.67	319.04	314.27	331.91	238.99	302.38
47.635208		0.64165	7.398347	17.709369	224.317098	109.756497	11.915039
69.257167		0.953514	21.054807	28.761304	363.686139	208.623658	17.838982

1.232117		0.018838	0.231996	0.550402	3.497175	2.157639	0.367697
1.529084		0.018838	0.231996	0.550402	7.249362	3.556839	0.367697
28.900449	33.308544	34.765547	33.789978	30.343209	28.139839	20.919844	27.069015
28.900348	26.97992	25.031194	26.356183	24.88099	23.351891	14.016296	19.74918
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572
31.597476	32.984593	33.519306	32.763422	31.206452	31.890715	17.556795	28.670537
69602.6647	57417.4191	389493.917	293988.885	143334.375	105871.787	126702.835	128121.298
69602.6647	57417.4191	389493.917	293988.885	143334.375	105871.787	126702.835	128121.298
10615.2229	10555.07	11798.7772	11008.278	10484.8176	11218.2826	6176.43516	9174.2043
299704.395	297136.319	344963.986	322570.989	307161.869	328804.95	182991.143	270586.771
0.06		0.01		0.05	0.2	0.04	
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-126409.81	-113677.52	-452316.07	-352743.36	-199407.03	-166186.24	-160267.84	-177454.02
55.03	15.08	13.57	15.69	14.85	16.67	9.92	14.61
						0.272727	
70268.8165	79262.4533	87100.8219	79855.1636	70426.4764	67606.8809	42989.955	69251.6596
1.22	1.31	1.25	1.18	1.29	1.21	1.25	1.16
22249.9696	23891.3608	23253.05	21950.8792	23997.1476	22508.9524	23253.05	21578.8304
378739.885	377287.785	431038.878	403262.687	387220.62	411488.985	239710.334	341492.4
378739.885	377287.785	431038.878	403262.687	387220.62	411488.985	239710.334	341492.4
294337.487	291753.233	338829.254	316853.962	301727.187	323191.99	179887.303	265827.908
10616.752	10555.07	11798.796	11008.51	10485.368	11225.532	6179.992	9174.572
22249.9696	23891.3608	23253.05	21950.8792	23997.1476	22508.9524	23253.05	21578.8304
378739.885	377287.785	431038.878	403262.687	387220.62	411488.985	239710.334	341492.4
5414.54352	5383.0857	6135.37392	5724.4252	5452.39136	5837.27664	3213.59584	4770.77744
0.08			0.01	0.04	0.1	0.07	0.02
2.85	1.5	5.7	6	4.5	4.35	3.9	5.1
0.034482	0.013561	0.13504	0.125464	0.08017	0.074889	0.14751	0.110819
0.034136	0.013187	0.131534	0.119196	0.076101	0.072982	0.142414	0.108531
547.096796	804.393642	4292.88475	3650.17396	947.606655	206.346992	2072.70677	2371.43124
2.276451	2.683271	14.772537	12.877746	3.567739	0.84173	9.605276	7.836524
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22
0.033869	0.029781	0.021335	0.028482	0.036398	0.042187	0.03713	0.017781
2408.7	886.2	9723	8410.5	5369.7	5394.9	10527.3	7293.3
12394.1435	5327.23397	53836.8701	46751.1119	27938.3189	26278.7728	47767.1944	34188.1178
0.979409	0.610419	1.876058	2.028124	1.476873	1.391758	1.183128	1.535992
100.998244	131.924503	769.681066	658.482703	157.202246	43.665199	443.724138	516.377978
4544.68	4346.58	4822.86	4570.02	4532.78	4720.1	4745.02	4400.34
13.525833	13.583062	13.701306	13.60125	13.490416	13.409375	13.48017	13.751062
4704	4480	4928	4704	4704	4928	4928	4480
14	14	14	14	14	14	14	14
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22
14.750296	9.235593	28.645102	30.551281	22.305756	21.176022	17.927584	23.630728
14.750296	9.235593	28.645102	30.551281	22.305756	21.176022	17.927584	23.630728
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178
14743.531	6100.43101	101554.266	85598.1329	46644.2277	35281.8804	92373.2673	57363.0911

2307.38751	741.697038	47360.3957	38742.021	18600.9088	8887.60759	44364.5729	23017.4733
14743.531	6100.43101	101554.266	85598.1329	46644.2277	35281.8804	92373.2673	57363.0911
55.51	31.61	143.9	152.72	100.53	89.84	110.87	107.36
11889.0467	4554.34033	49900.9853	43205.9379	27095.7122	26187.9258	45935.9876	31974.1866
14122.7812	5195.73245	94274.4718	78579.4357	45343.0653	34973.8587	88551.3545	53827.5418
2.632231	1.347574	5.106515	5.541814	4.153863	4.047873	3.627523	4.701946
153.846783	50.285033	596.887928	516.801153	347.49985	356.748986	672.23839	451.794801
87.454709	96.111247	83.652846	89.282732	85.941037	71.271536	82.006862	69.901133
8.884163	8.650012	24.220974	24.999164	13.750565	4.276292	11.241236	16.776272
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22
0.477916	0.184625	1.841477	1.66875	1.065416	1.021761	1.993806	1.519437
2307.38751	741.697038	47360.3957	38742.021	18600.9088	8887.60759	44364.5729	23017.4733
2307.38751	741.697038	47360.3957	38742.021	18600.9088	8887.60759	44364.5729	23017.4733
6.733216	8.794966	51.312071	43.898846	10.480149	2.911013	29.581609	34.425198
547.096796	804.393642	4292.88475	3650.17396	947.606655	206.346992	2072.70677	2371.43124
6.48	2.48	12.88	9.01	8	10.23	8.7	8.9
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0.24	0.36	1.08	0.61	0.22	0.01	0.33	0.59
2816.1136	1245.4403	13192.7533	11064.0297	6477.0665	5806.8845	10923.7959	9311.9311
0.04	0.03	0.34	0.1	0.1	0.11	0.23	0.15
42	31.5	357	105	105	115.5	241.5	157.5
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178
12394.1435	5327.23397	53836.8701	46751.1119	27938.3189	26278.7728	47767.1944	34188.1178
160.58	59.08	648.2	560.7	357.98	359.66	701.82	486.22
42	31.5	357	105	105	115.5	241.5	157.5
12436.1435	5358.73397	54193.8701	46856.1119	28043.3189	26394.2728	48008.6944	34345.6178

10.98703	10.915857	11.066377	11.05746	11.014436	11.002209	11.29705	11.140104
0.390143	0.403428	0.459835	0.442908	0.419992	0.421925	0.373711	0.405521
0.359198	0.384479	0.443899	0.42535	0.403756	0.405578	0.329249	0.391224
1175807.08	1334614.09	1639380.02	1488688.01	1310796.05	1205714.23	1061586.83	1254691.82
4794.7178	4575.05063	5711.24474	5406.37279	5265.15314	5398.6633	4896.16043	4922.78982
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966
0.035573	0.034741	0.031342	0.03441	0.035857	0.035803	0.036213	0.035571
479222.975	486022.576	624106.116	571882.022	541815.412	568927.769	472156.86	504006.043
659213.77	614071.533	1160187.95	1009424.74	837180.896	847200.848	833243.154	798369.762
2.716536	2.712563	2.986784	2.95169	2.851205	2.825158	2.902017	2.838122
673665.182	721166.309	839437.711	782988.44	769636.833	807716.267	625298.074	690754.119
7544.84536	9528.84496	28390.0592	21349.8287	7677.03539	3375.91023	15815.7227	16066.2611
113571.478	112005.423	124746.482	118579.439	118566.967	124080.242	113702.349	113220.438
338.010351	350.016946	354.393414	352.914997	352.877877	352.500687	323.018036	353.813868
123345.6	117472	129219.2	123345.6	123345.6	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966

163.926038	143.446767	264.20975	257.471825	210.970317	190.051933	201.930711	228.860108
31.171401	30.909518	34.573272	34.103547	32.833755	32.531	34.360538	33.094579
1430177.94	1430593.34	2135599.78	1914904.87	1720289.22	1774243.51	1571653.45	1599080.74
1915424.68	1889612.42	4322631.03	3678724.97	2709984.59	2477910.34	2734118.23	2505224.46
485246.74	459019.084	2187031.25	1763820.1	989695.364	703666.827	1162464.78	906143.718
1915424.68	1889612.42	4322631.03	3678724.97	2709984.59	2477910.34	2734118.23	2505224.46
1192.37	1084.07	1672.83	1611.02	1405.82	1431.55	1214.4	1348.32
222696.677	63060.4826	462978.405	392211.179	375546.047	534506.677	477349.433	312741.559
306463.6	77671.623	879067.136	731925.693	659436.34	814334.382	991978.056	548701.165
8.751091	3.935086	5.257291	6.003335	6.504282	14.063363	5.966966	5.6972
4725.95797	1023.95255	6390.12837	5768.15875	7171.29795	12525.1452	9625.31765	5938.52028
32.883158	36.602095	41.256781	41.471776	35.886031	31.214868	26.905728	32.993991
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44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966
131.86169	141.142243	162.955482	156.146321	148.219107	148.887875	120.867556	143.618643
252289.837	214341.029	1911203.92	1506076.94	735170.819	436538.219	961523.081	677681.287
252289.837	214341.029	1911203.92	1506076.94	735170.819	436538.219	961523.081	677681.287
39579.57	44141.5655	50970.2016	46697.0053	42630.322	39883.3868	32920.0624	40019.4457
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71.38	28.72	94.86	82.43	86.17	109.45	85.33	70.19
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238.51	283.92	249.62	243.2	216.71	196.35	242.71	231.35
0.012987	0.00909					0.057851	
228232.499	253853.673	343959.027	304602.814	259248.378	242822.52	207857.35	262646.874
3.61	3.3	6	5.88	4.92	4.23	4.6	4.24
32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006
1663134.84	1675271.39	2411427.11	2172648.03	1974813.77	2041372.12	1772595.15	1827543.17
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44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966
32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006
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65277.985	62212.7968	101727.492	88120.8458	79114.9963	84743.548	79570.8207	77673.4574
24.79	6.98	7.45	10.33	32.84	46.05	18.14	18.29

2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851
2081.94909	2580.45569	1969.81317	1874.47177	1522.14831	1202.52029	1310.80692	1730.64368
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507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851
238.47	283.08	248.75	242.34	215.79	195.91	248.01	230.52
176.229979	209.51695	183.65594	186.957672	162.411863	134.764522	149.668265	188.202906
87.079993	101.148984	93.988945	90.842892	76.822088	64.730572	76.245642	90.231223
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2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
3280635.44	3972697.53	5681148.06	4905158.31	3652249.46	3061914.06	3090106.33	3463055.65
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2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851
2081.94909	2580.45569	1969.81317	1874.47177	1522.14831	1202.52029	1310.80692	1730.64368
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507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851
238.47	283.08	248.75	242.34	215.79	195.91	248.01	230.52
176.229979	209.51695	183.65594	186.957672	162.411863	134.764522	149.668265	188.202906
87.079993	101.148984	93.988945	90.842892	76.822088	64.730572	76.245642	90.231223
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2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
3280635.44	3972697.53	5681148.06	4905158.31	3652249.46	3061914.06	3090106.33	3463055.65
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8

232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133
953.44586	775.896504	936.214601	932.346688	1068.74078	1341.20424	1272.62397	810.334185
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695
216471.889	213719.427	359596.856	320054.139	273006.697	281161.637	266033.205	194162.066
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695
19.144017	19.513157	20.25236	20.21763	20.875408	22.528131	20.786195	16.761646
-15544.412	-11509.237	91552.81	64632.6883	9275.13384	-17002.687	-9076.2473	-7514.0675

-15544.412	-11509.237	91552.81	64632.6883	9275.13384	-17002.687	-9076.2473	-7514.0675
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133
15544.4116	11509.2372	-91552.81	-64632.688	-9275.1338	17002.6866	9076.2473	7514.06754
15544.4116	11509.2372	-91552.81	-64632.688	-9275.1338	17002.6866	9076.2473	7514.06754
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133
6432.3898	6244.21026	7128.83101	6793.1237	7014.13731	7929.90221	7316.74075	5363.72695
216471.889	213719.427	359596.856	320054.139	273006.697	281161.637	266033.205	194162.066
-15544.412	-11509.237	91552.81	64632.6883	9275.13384	-17002.687	-9076.2473	-7514.0675
232016.3	225228.664	268044.046	255421.451	263731.563	298164.323	275109.452	201676.133

228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088
937.693133	762.982948	916.472074	912.838179	1046.08157	1314.0602	1246.0849	791.738118
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547
243175.683	239988.056	404007.931	359661.574	306716.514	316101.802	299038.483	217638.02
31.965273	28.808289	9.804872	49.752036	40.293051	18.248825	21.068174	32.835381
4.475138	1.728497	0.098048	1.492561	1.208791	0.364976	8.005906	0.985061
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547
21.504446	21.915982	22.754193	22.719281	23.451316	25.333382	23.359761	18.795795
14994.5798	18513.8986	141617.49	109582.262	48579.4302	23969.3992	29664.9223	20597.9322
14994.5798	18513.8986	141617.49	109582.262	48579.4302	23969.3992	29664.9223	20597.9322
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088
-14994.58	-18513.899	-141617.49	-109582.26	-48579.43	-23969.399	-29664.922	-20597.932
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1.32	0.38	0.07	0.04	0.28	0.15	5.82	0.17
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088
7225.49407	7013.11455	8009.47623	7633.67864	7879.64236	8917.35052	8222.63617	6014.6547
243175.683	239988.056	404007.931	359661.574	306716.514	316101.802	299038.483	217638.02
14994.5798	18513.8986	141617.49	109582.262	48579.4302	23969.3992	29664.9223	20597.9322
228181.103	221474.158	262390.441	250079.312	258137.084	292132.403	269373.561	197040.088

122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599
502.209625	500.145564	574.847185	498.39409	648.758593	769.872712	689.578691	605.94758
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312
80370.5107	95748.0955	157696.042	124243.285	121260.331	118589.032	102437.791	106225.453
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312

7.097989	8.855202	9.133212	7.943505	9.27996	9.470977	8.262457	9.222416
-41809.168	-49420.556	-7002.8221	-12490.493	-38478.222	-52200.719	-46558.773	-44963.146
-41809.168	-49420.556	-7002.8221	-12490.493	-38478.222	-52200.719	-46558.773	-44963.146
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599
41809.1683	49420.5559	7002.82209	12490.4932	38478.2223	52200.719	46558.7729	44963.1464
41809.1683	49420.5559	7002.82209	12490.4932	38478.2223	52200.719	46558.7729	44963.1464
82085.1637	93206.8086	101058.065	86632.7416	81947.2445	78493.7305	76328.4634	78812.0899
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599
122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599
2384.92444	2833.66487	3214.89097	2669.01772	3118.06663	3333.78393	2908.38502	2951.17312
80370.5107	95748.0955	157696.042	124243.285	121260.331	118589.032	102437.791	106225.453
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122179.679	145168.651	164698.865	136733.778	159738.553	170789.751	148996.564	151188.599

233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301
959.779753	701.586776	893.172878	641.016107	1041.3463	1272.3074	1037.54518	733.106425
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439
107546.545	91677.0158	166162.42	108733.238	133868.683	134379.467	103900.646	84930.8095
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439
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-125694.44	-111258.49	-88805	-66346.001	-122607.23	-148330.35	-120223.7	-97012.492
-125694.44	-111258.49	-88805	-66346.001	-122607.23	-148330.35	-120223.7	-97012.492
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301
125694.444	111258.485	88804.9999	66346.0014	122607.228	148330.347	120223.698	97012.492
125694.444	111258.485	88804.9999	66346.0014	122607.228	148330.347	120223.698	97012.492
81931.3207	93206.8086	99307.9555	92360.317	83313.4805	78493.7305	76161.9439	81108.4593
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301
233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301
3180.70351	2767.42808	3391.87734	2329.11055	3411.94507	3760.93939	2981.56637	2420.42439
107546.545	91677.0158	166162.42	108733.238	133868.683	134379.467	103900.646	84930.8095
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233240.989	202935.501	254967.42	175079.24	256475.911	282709.814	224124.344	181943.301

815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122
3353.12837	2740.61179	3320.70674	2984.59507	3804.92725	4697.44456	4245.83274	2941.12631
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792
647564.627	641132.594	1087463.25	912692.237	834852.225	850231.937	771410.126	602956.348
31.965273	28.808289	9.804872	49.752036	40.293051	18.248825	21.068174	32.835381
4.475138	1.728497	0.098048	1.492561	1.208791	0.364976	8.005906	0.985061

19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792
57.212832	58.932555	61.775782	57.812293	63.761283	68.016977	60.878773	52.343684
-168053.44	-153674.38	137362.478	95378.4558	-103230.89	-193564.35	-146193.8	-128891.77
-168053.44	-153674.38	137362.478	95378.4558	-103230.89	-193564.35	-146193.8	-128891.77
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122
168053.444	153674.38	-137362.48	-95378.456	103230.886	193564.353	146193.796	128891.774
168053.444	153674.38	-137362.48	-95378.456	103230.886	193564.353	146193.796	128891.774
1.32	0.38	0.07	0.04	0.28	0.15	5.82	0.17
328186.812	372827.234	402482.15	363713.693	331887.686	313974.922	305147.334	322137.468
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792
647564.627	641132.594	1087463.25	912692.237	834852.225	850231.937	771410.126	602956.348
-168053.44	-153674.38	137362.478	95378.4558	-103230.89	-193564.35	-146193.8	-128891.77
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122

10.98703	10.915857	11.066377	11.05746	11.014436	11.002209	11.29705	11.140104
0.390143	0.403428	0.459835	0.442908	0.419992	0.421925	0.373711	0.405521
0.359198	0.384479	0.443899	0.42535	0.403756	0.405578	0.329249	0.391224
2773010.96	3216820.04	5110743.04	4386575.97	3273380.38	2792718.89	2804920.58	3015195.8
2499049.63	2885298.55	3159885.81	2824584.14	2627748.24	2518705.69	2264376.5	2434399.79
10229.7953	9896.11812	11001.7646	10265.4396	10592.2287	11298.6281	10452.8001	9594.55981
-18556.124	-29182.873	-21952.659	-20470.222	-12088.069	-2143.2224	-12353.755	-18400.514
2969775.3	2828357.43	3164723.74	3020872.66	3020872.66	3164723.74	3164723.74	2877021.58
0.035573	0.034741	0.031342	0.03441	0.035857	0.035803	0.036213	0.035571
479222.975	486022.576	624106.116	571882.022	541815.412	568927.769	472156.86	504006.043
659213.77	614071.533	1160187.95	1009424.74	837180.896	847200.848	833243.154	798369.762
2.716536	2.712563	2.986784	2.95169	2.851205	2.825158	2.902017	2.838122
673665.182	721166.309	839437.711	782988.44	769636.833	807716.267	625298.074	690754.119
7544.84536	9528.84496	28390.0592	21349.8287	7677.03539	3375.91023	15815.7227	16066.2611
113571.478	112005.423	124746.482	118579.439	118566.967	124080.242	113702.349	113220.438
338.010351	350.016946	354.393414	352.914997	352.877877	352.500687	323.018036	353.813868
123345.6	117472	129219.2	123345.6	123345.6	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
44305.528	45165.518	57360.33	52465.164	49801.62	52408.532	42545.38	45957.966
163.926038	143.446767	264.20975	257.471825	210.970317	190.051933	201.930711	228.860108
31.171401	30.909518	34.573272	34.103547	32.833755	32.531	34.360538	33.094579
1430177.94	1430593.34	2135599.78	1914904.87	1720289.22	1774243.51	1571653.45	1599080.74
1915424.68	1889612.42	4322631.03	3678724.97	2709984.59	2477910.34	2734118.23	2505224.46
82085.1637	93206.8086	101058.065	92360.317	83313.4805	78493.7305	76328.4634	81108.4593
485246.74	459019.084	2187031.25	1763820.1	989695.364	703666.827	1162464.78	906143.718

2562989.31	2530745.02	5410094.28	4591417.2	3544836.81	3328142.27	3505528.35	3108180.81
1192.37	1084.07	1672.83	1611.02	1405.82	1431.55	1214.4	1348.32
222696.677	63060.4826	462978.405	392211.179	375546.047	534506.677	477349.433	312741.559
26.375141	26.891004	37.852226	35.551282	29.981638	27.586238	28.375827	28.181815
507624.477	755877.487	570405.017	518582.342	378869.077	269195.169	285185.751	447859.851
238.47	283.08	248.75	242.34	215.79	195.91	248.01	230.52
176.229979	209.51695	183.65594	186.957672	162.411863	134.764522	149.668265	188.202906
7.256666	8.429082	5.874309	5.67768	4.80138	5.394214	4.765352	5.639451
23,282	30,207	28,343	26,238	19,259	14,668	21,979	24,339
306463.6	77671.623	879067.136	731925.693	659436.34	814334.382	991978.056	548701.165
5.104803	2.295466	3.614387	4.127293	4.471694	8.203628	4.102289	3.916825
4,726	1,024	6,390	5,768	7,171	12,525	9,625	5,939
32.779263	36.494911	41.25829	41.422655	35.876962	31.181923	26.749416	33.033977
32.638202	36.469745	41.239464	41.415625	35.850283	31.123295	26.686026	32.984002
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58803.0819	62999.9832	72715.2772	66121.9359	64054.1134	63825.3629	54349.3907	56769.4249
1991425.15	2129421.07	2589480.79	2306001.8	2248879.16	2249510.53	1979190.75	1986539.94
5425592.97	5739832.77	5951073.05	5548250.08	5407788.56	5447340.15	4953373.34	5114965.44
5626753.84	6418038.64	5642410.93	5334906.72	5127221.3	4902200.94	4246581.04	5014124.13
0.012987	0.00909					0.057851	
638504.474	719887.716	847499.243	760676.823	674449.544	635291.173	589333.148	665892.801
3.61	3.3	6	5.88	4.92	4.23	4.6	4.24
32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006
8221539.18	8515255.85	11636994.7	10397410.4	9207149.92	9042611.03	8659843.39	8451608.68
5251763.87	5686898.41	8472270.92	7376537.78	6186277.26	5877887.3	5495119.65	5574587.09
1332878.95	1335237.84	1999625.66	1792413.18	1606817.73	1654917.12	1458541.23	1489123.88
63529.0398	64023.9358	79105.4056	71890.0946	71225.4114	76350.5081	63974.7083	62707.9452
32021.0039	33142.6987	34246.6212	34370.842	34356.4994	34582.8459	33541.4042	32283.4006
5251763.87	5686898.41	8472270.92	7376537.78	6186277.26	5877887.3	5495119.65	5574587.09
65277.985	62212.7968	101727.492	88120.8458	79114.9963	84743.548	79570.8207	77673.4574
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122
19223.5118	18858.4178	21745.0756	19424.9306	21423.7914	23941.9761	21429.3283	16749.9792
647564.627	641132.594	1087463.25	912692.237	834852.225	850231.937	771410.126	602956.348
-168053.44	-153674.38	137362.478	95378.4558	-103230.89	-193564.35	-146193.8	-128891.77
815618.071	794806.974	950100.771	817313.781	938083.11	1043796.29	917603.921	731848.122

2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025-01	2025-02
3164723.74	3164723.74	2877021.58	3308574.82	2877021.58	3020872.66	3236885.38	2942623.07
-3164723.7	-3164723.7	-2877021.6	-3308574.8	-2877021.6	-3020872.7	-3236885.4	-2942623.1
-3164723.7	-3164723.7	-2877021.6	-3308574.8	-2877021.6	-3020872.7	-3236885.4	-2942623.1
3164723.74	3164723.74	2877021.58	3308574.82	2877021.58	3020872.66	3236885.38	2942623.07
3164723.74	3164723.74	2877021.58	3308574.82	2877021.58	3020872.66	3236885.38	2942623.07
3164723.74	3164723.74	2877021.58	3308574.82	2877021.58	3020872.66	3236885.38	2942623.07
45.908523	41.736153	35.189843	35.405653	35.261773	35.981153	53.147707	49.529057
22.402181	22.402121	22.402161	22.402161	22.40206	22.402221	22.850142	22.850123
45.786582	41.614212	35.067902	35.283712	35.139832	35.859212	53.025662	49.407012
45.880383	41.708013	35.161703	35.377513	35.233633	35.953013	53.119543	49.500893
45.176874	41.004504	34.458194	34.674004	34.530124	35.249504	52.415439	48.796789
45.448898	41.276528	34.730218	34.946028	34.802148	35.521528	52.687693	49.069043
45.861623	41.689253	35.142943	35.358753	35.214873	35.934253	53.100767	49.482117
45.899143	41.726773	35.180463	35.396273	35.252393	35.971773	53.138319	49.519669
20.641456	20.641456	20.641456	20.641456	20.641456	20.641456	21.054286	21.054286
1.11	1.11	1.11	1.11	1.11	1.11	1.15	1.15
45.60836	41.43599	34.88968	35.10549	34.96161	35.68099	52.84729	49.22864
4.438804	4.447989	4.458231	4.561201	5.342099	6.02427	6.214161	6.244351
34.513569	31.732749	27.369399	27.521854	27.491	28.027448	39.562584	37.152665
34.513569	31.732749	27.369399	27.521854	27.491	28.027448	39.562584	37.152665

0.27788	0.41682	0.416819				0.416819	0.83364
0.003636	0.005162	0.010083				0.005029	0.007756
0.003636	0.005101	0.010083				0.005025	0.007694
1990.77391	722.764046	1909.81657				26.377878	644.685486
6.470795	2.45529	7.517559				0.083478	2.159191
28.8	40.4	72.6				39.8	55.4
0.02409	0.02892	0.034281	0.02326	0.04225	0.0375	0.023465	0.0275
400.1472	561.3176	1008.7044				552.981199	769.7276
8259.62121	11586.4131	20821.1285				11642.6244	16206.0651
0.437953	0.656929	0.656929				0.670067	1.340135
502.664912	705.127169	1267.13447				708.534811	986.251973
7729.2	7690.95	6953.175	8087.4	6895.8	7276.5	7734.15	7002
21.957954	21.849289	21.728671	21.97663	21.549375	21.65625	21.972017	21.88125
7920	7920	7200	8280	7200	7560	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
28.8	40.4	72.6				39.8	55.4
6.225293	9.21385	9.28147				9.984699	18.906712
6.225293	9.21385	9.28147				9.984699	18.906712
8805.33993	12366.8817	22191.9205				12427.5542	17316.0671
13153.6589	15836.7234	36072.2798				15000.6991	20452.0561
4348.31896	3469.84174	13880.3593				2573.14484	3135.98902
13153.6589	15836.7234	36072.2798				15000.6991	20452.0561
3.86	9.23	6.48				4.61	12.25
6814.56602	11644.1176	20282.104				12401.1763	16671.3816
9983.89803	14911.9615	32790.4037				14972.4617	19729.2311
0.388635	0.590984	0.592165				0.599565	1.190613
22.281763	38.033509	66.346836				39.715328	53.330587
308.978419	306.448262	308.156012				311.530633	313.058533
6.179568	6.128965	3.08156				3.115306	9.391755
28.8	40.4	72.6				39.8	55.4
0.081818	0.114772	0.226875				0.113068	0.173125
4348.31896	3469.84174	13880.3593				2573.14484	3135.98902
4348.31896	3469.84174	13880.3593				2573.14484	3135.98902
6.518236	2.36649	6.253163				0.084671	2.069412
1990.77391	722.764046	1909.81657				26.377878	644.685486
0.15	0.46	0.34				0.56	0.72
-4348.319	-3469.8417	-13880.359				-2573.1448	-3135.989
-14332.217	-18381.803	-46670.763				-17545.607	-22865.22
0.03	0.02	0.03					0.02
439.4476	589.606	869.5719				605.5549	807.7006
0.01	0.03	0.02				0.03	0.06
9.3578	28.0734	18.7156				28.635	57.27
8805.33993	12366.8817	22191.9205				12427.5542	17316.0671
8805.33993	12366.8817	22191.9205				12427.5542	17316.0671
8762.28613	12291.5403	22088.2629				12351.1592	17192.3171

28.8	40.4	72.6				39.8	55.4
9.3578	28.0734	18.7156				28.635	57.27
8805.33993	12366.8817	22191.9205				12427.5542	17316.0671
33.696	47.268	84.942				47.76	66.48
6.78168	5.74559	3.20246	5.36883	4.7095	2.91989	4.426929	5.08626
0.289942	0.222575	0.184426	0.182346	0.098052	0.093757	0.244241	0.216322
0.279289	0.217698	0.178656	0.177663	0.094312	0.092023	0.239801	0.209468
244746.211	164847.716	54641.8766	22159.7851	23380.9919	80208.2736	175904.75	124506.138
783.499049	554.502116	211.72053	94.634434	90.751295	266.347071	589.903526	431.676441
5701.98	4444.54	3315.86	3792.04	1750.44	1793.36	4895.78	3887.74
0.033948	0.026051	0.028781	0.026548	0.037125	0.025446	0.024772	0.02975
53706.9496	41863.1223	31232.0853	35717.2248	16487.3944	16891.6578	46113.3518	36618.6231
245795.764	193114.26	139359.568	165970.288	89344.6732	107248.574	287502.654	233989.598
3.247108	2.741089	1.529307	2.63497	2.642928	1.88111	2.643591	3.067469
44912.6934	30011.2248	10224.2102	4013.31209	3691.78366	11034.2591	24723.9606	16848.5059
19722.9	19884.14	18025.82	20777.34	17870.96	18992.1	19910.24	18007.84
56.030965	56.489034	56.330687	56.460163	55.84675	56.524107	56.563181	56.2745
20416	20416	18560	21344	18560	19488	20416	18560
58	58	58	58	58	58	58	58
5701.98	4444.54	3315.86	3792.04	1750.44	1793.36	4895.78	3887.74
36.620413	30.934963	17.243075	29.658238	29.148407	20.522045	28.848997	33.45478
36.620413	30.934963	17.243075	29.658238	29.148407	20.522045	28.848997	33.45478
292930.444	229808.917	166713.039	197409.056	103977.814	122182.052	328686.498	266696.669
523763.341	430938.971	429195.966	267309.991	148402.573	171033.335	667064.815	531955.63
230832.897	201130.053	262482.927	69900.9349	44424.7588	48851.283	338378.318	265258.961
523763.341	430938.971	429195.966	267309.991	148402.573	171033.335	667064.815	531955.63
212.56	178.7	110.1	160.64	108.34	86.88	233.16	195.9
48184.233	64961.2011	112071.163	175249.271	80596.8219	41973.7788	152781.748	142190.531
75856.9898	108915.174	284485.841	236890.241	115955.943	59733.4289	312835.549	277883.552
14.971053	15.195094	15.477395	30.268354	24.395919	8.917185	16.001909	19.966431
933.671958	1258.29679	2230.37213	3365.95314	1358.4893	621.870553	2270.87708	2098.96138
53.177029	52.668509	52.054123	52.632954	60.110436	68.21984	62.772827	64.035047
38.26315	32.079667	17.663997	28.363203	28.201736	21.033446	29.500579	34.569639
5701.98	4444.54	3315.86	3792.04	1750.44	1793.36	4895.78	3887.74
16.198806	12.626534	10.362062	10.304456	5.470125	5.33738	13.908465	12.149187
230832.897	201130.053	262482.927	69900.9349	44424.7588	48851.283	338378.318	265258.961
230832.897	201130.053	262482.927	69900.9349	44424.7588	48851.283	338378.318	265258.961
4768.30804	3186.24321	1085.48787	426.086855	391.950702	1171.48945	2624.90292	1788.77862
244746.211	164847.716	54641.8766	22159.7851	23380.9919	80208.2736	175904.75	124506.138
15.23	17.25	11.64	32.41	15.53	12.02	16.63	16.91
-230832.9	-201130.05	-262482.93	-69900.935	-44424.759	-48851.283	-338378.32	-265258.96
-306689.89	-310045.23	-546968.77	-306791.18	-160380.7	-108584.71	-651213.87	-543142.51
18.27	11.72	2.12	1.38	1.69	5.76	5.53	3.71
30460.4531	22405.8212	13892.7424	15096.4058	7581.1609	9199.9253	24852.7398	19002.1082
0.88	0.58	0.38	0.8	0.65	0.53	0.47	0.38
378.444	249.429	163.419	344.04	279.5325	227.9265	206.1655	166.687

292930.444	229808.917	166713.039	197409.056	103977.814	122182.052	328686.498	266696.669
292930.444	229808.917	166713.039	197409.056	103977.814	122182.052	328686.498	266696.669
245795.764	193114.26	139359.568	165970.288	89344.6732	107248.574	287502.654	233989.598
5701.98	4444.54	3315.86	3792.04	1750.44	1793.36	4895.78	3887.74
378.444	249.429	163.419	344.04	279.5325	227.9265	206.1655	166.687
292930.444	229808.917	166713.039	197409.056	103977.814	122182.052	328686.498	266696.669
46756.236	36445.228	27190.052	31094.728	14353.608	14705.552	40977.6786	32540.3838
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10.90401	10.982462	11.237917	10.945797	10.978233	10.994018	11.012533	11.047384
0.707983	0.678144	0.563612	0.689538	0.682048	0.676766	0.686849	0.664349
0.680123	0.653963	0.539945	0.666015	0.654909	0.655935	0.667802	0.643692
861861.912	827154.715	580231.541	714834.169	676328.009	794519.374	857173.284	744667.571
2922.40829	2956.90817	2473.79054	3108.77503	2710.87367	2694.87562	2925.68428	2647.96053
26573.786	25551.67	19178.864	27205.392	23262.398	24463.782	26092.372	22863.942
0.041136	0.034147	0.042968	0.035054	0.040625	0.031577	0.028352	0.034375
287286.096	277428.132	211871.669	294887.661	252338.296	265628.645	283024.527	248620.119
318720.323	308828.711	235197.929	327326.515	280122.984	295064.498	327033.408	287519.592
2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.9262	2.9262
504560.571	487247.027	372110.213	517911.199	443181.749	466523.589	502708.164	441599.056
37464.72	37737.78	33993.75	39416.1	34077	36118.29	37964.22	34299
106.433863	107.209602	106.230468	107.108967	106.490625	107.49491	107.852897	107.184375
39072	39072	35520	40848	35520	37296	39072	35520
111	111	111	111	111	111	111	111
26573.786	25551.67	19178.864	27205.392	23262.398	24463.782	26092.372	22863.942
33.126931	33.365804	34.191004	33.228147	33.399851	33.395336	34.084219	34.307258
32.834592	33.05507	33.789279	32.954544	33.047221	33.094991	33.827337	33.928247
872149.006	843328.907	644077.727	894772.123	766609.212	806293.292	876993.012	772440.715
1468715.56	1323626.36	1010330	1155167.95	979452.347	1058436.6	1804995.38	1498903.83
596566.551	480297.457	366252.272	260395.823	212843.135	252143.305	928002.365	726463.119
1468715.56	1323626.36	1010330	1155167.95	979452.347	1058436.6	1804995.38	1498903.83
337.52	339.98	306.25	355.1	307	325.39	342.02	309
3405.56319	9292.66216	57379.2066	173388.065	83731.3125	5721.48888	14577.0073	21262.0232
5147.55269	14858.772	152496.165	276338.058	134212.412	9175.56136	40286.2986	54718.7935
8.547979	10.575642	14.424165	32.892069	23.699628	7.411087	8.954343	11.990787
107.046134	289.314469	1798.78561	5440.88452	2633.41701	180.362438	448.310088	652.120691
28.893334	27.648015	16.924136	26.029198	27.633871	30.993034	28.615966	27.67792
28.88874	27.638305	16.901189	25.975887	27.598779	30.988912	28.612034	27.672745
26573.786	25551.67	19178.864	27205.392	23262.398	24463.782	26092.372	22863.942
75.49371	72.589971	59.93395	73.927695	72.694993	72.808875	74.126056	71.449818
446402.108	335285.773	255506.951	106258.042	80945.9076	113299.212	780065.445	596509.382
446402.108	335285.773	255506.951	106258.042	80945.9076	113299.212	780065.445	596509.382
26466.7399	25262.3555	17380.0784	21764.5075	20628.981	24283.4196	25644.0619	22211.8213
861861.912	827154.715	580231.541	714834.169	676328.009	794519.374	857173.284	744667.571
2.74	5.55	12.49	50.19	43.81	7.17	10.35	12.89
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227.22	244.89	218.38	186.21	194.54	274.53	235.37	216.67
96445.8742	92653.1294	69551.6386	79270.2756	74208.7599	93505.2766	97937.2311	84583.496
0.83	0.83	0.78	0.79	0.79	0.73	0.62	0.77
6881.53	6881.53	6466.98	6549.89	6549.89	6052.43	5242.72	6511.12
1022313.45	988340.592	754823.049	1048909.9	898506.439	945137.385	1024929.93	902394.451
1022313.45	988340.592	754823.049	1048909.9	898506.439	945137.385	1024929.93	902394.451
823280.894	796075.739	607308.142	845237.714	723304.733	761588.087	829741.573	729118.648
26573.786	25551.67	19178.864	27205.392	23262.398	24463.782	26092.372	22863.942
6881.53	6881.53	6466.98	6549.89	6549.89	6052.43	5242.72	6511.12
1022313.45	988340.592	754823.049	1048909.9	898506.439	945137.385	1024929.93	902394.451
41986.5819	40371.6386	30302.6051	42984.5194	36754.5888	38652.7756	42008.7189	36810.9466
3.09	7.57	11.92	45.33	30.23	5.03	6.84	6.84
0.6	0.45	0.75				0.3	0.9
0.003671	0.004375	0.010296				0.004185	0.006601
0.003664	0.004375	0.010218				0.003892	0.006468
219.211072	40.735103	181.14108				10.051013	30.737794
0.703062	0.139121	0.702637				0.033502	0.101363
3.87	4.62	9.81				4.11	6.21
0.033437	0.02784	0.035312	0.020978	0.025687	0.023511	0.035852	0.03125
58.05	69.3	147.15				61.65	93.15
1198.23658	1430.45297	3037.39039				1297.99674	1961.20675
0.875906	0.656929	1.094882				0.446711	1.340135
72.92241	87.05466	184.84983				78.992144	119.353095
1020.69	1026.6	926.1	1080.84	935.34	984.3	1018.14	930
2.899687	2.916477	2.894062	2.937065	2.922937	2.929464	2.892443	2.90625
1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3
3.87	4.62	9.81				4.11	6.21
13.138594	9.853945	16.423242				6.700675	20.102027
13.138594	9.853945	16.423242				6.700675	20.102027
1271.15899	1517.50763	3222.24022				1376.98888	2080.55985
1828.85734	1918.35669	5061.1435				1611.84545	2382.98567
557.698353	400.849059	1838.90328				234.856565	302.42582
1828.85734	1918.35669	5061.1435				1611.84545	2382.98567
1.29	1.54	3.27				1.37	2.07
1051.94791	1476.77253	3041.09914				1366.93787	2049.82205
1483.94465	1869.83686	4775.97719				1601.62876	2351.08859
0.1173	0.089965	0.149794				0.06	0.179981
3.202619	4.495983	9.258522				4.08	6.118254
328.464854	328.464854	328.464854					335.033791
6.569297	3.284648	3.284648					3.350337
3.87	4.62	9.81				4.11	6.21
0.010994	0.013125	0.030656				0.011676	0.019406
557.698353	400.849059	1838.90328				234.856565	302.42582
557.698353	400.849059	1838.90328				234.856565	302.42582

0.66738	0.124016	0.551477				0.03	0.091745
219.211072	40.735103	181.14108				10.051013	30.737794
-557.69835	-400.84906	-1838.9033				-234.85657	-302.42582
-2041.643	-2270.6859	-6614.8805				-1836.4853	-2653.5144
393.531	448.4089	782.5466				416.194	604.4514
0.26	0.4	0.42				0.24	0.78
1271.15899	1517.50763	3222.24022				1376.98888	2080.55985
1271.15899	1517.50763	3222.24022				1376.98888	2080.55985
1271.15899	1517.50763	3222.24022				1376.98888	2080.55985
3.87	4.62	9.81				4.11	6.21
1271.15899	1517.50763	3222.24022				1376.98888	2080.55985
11.388709	11.509884	12.046208	11.41172	11.469456	11.488655	11.621438	11.699826
0.780831	0.749767	0.58466	0.767608	0.761928	0.749338	0.730479	0.700349
0.747648	0.715759	0.499575	0.732806	0.72263	0.610795	0.698522	0.665231
289667.705	278832.326	182567.233	297527.49	255158.841	226372.192	279163.171	243114.551
986.287989	1002.51573	790.310914	1302.12274	1027.66444	764.898765	953.793176	866.404864
11316.41	10833.73	6874.16	11595.93	9943.39	8824.77	10572.84	9153.59
0.0425	0.046363	0.048312	0.046793	0.052937	0.048452	0.044602	0.052281
127665.472	122842.999	80523.1545	131109.201	112470.816	99890.9295	120331.011	104728.697
141677.845	136489.545	89496.172	145572.166	124809.565	110609.156	138814.15	121014.188
2.1779	2.177899	2.177899	2.1779	2.177899	2.177899	2.2241	2.2241
136333.958	131184.039	85990.6767	140011.516	120107.585	106673.524	129247.539	112489.093
14492.72	14434.24	11761.79	15083.54	13031.58	11775.55	14460.9	13040.61
41.1725	41.006363	36.755593	40.98788	40.723687	35.046279	41.082102	40.751906
15136	15136	13760	15824	13760	14448	15136	13760
43	43	43	43	43	43	43	43
11316.41	10833.73	6874.16	11595.93	9943.39	8824.77	10572.84	9153.59
26.292148	26.592451	27.948907	26.350486	26.59015	26.545698	27.369661	27.582806
25.835437	26.093617	27.263646	25.885783	26.014899	26.059642	26.885778	27.058562
294465.641	283425.222	186257.953	302243.41	259915.769	229980.896	283429.65	246795.435
580677.157	522940.077	354292.406	460951.813	394352.086	356885.218	697306.672	576614.101
286211.516	239514.855	168034.453	158708.403	134436.317	126904.322	413877.022	329818.666
580677.157	522940.077	354292.406	460951.813	394352.086	356885.218	697306.672	576614.101
337.04	335.68	273.53	350.78	303.06	273.85	336.3	303.27
28.898855	27.983288	14.696361	30.585276	29.300796	33.02493	32.339671	19.703416
6.646736	5.87649	3.67409	5.199496	7.618206	6.935235	6.79133	2.561444
11316.41	10833.73	6874.16	11595.93	9943.39	8824.77	10572.84	9153.59
32.148892	30.777642	21.48175	31.510679	31.073093	26.264196	30.036477	28.604968
219480.774	175304.819	125945	90177.6233	75647.8212	74691.333	350980.002	275076.976
219480.774	175304.819	125945	90177.6233	75647.8212	74691.333	350980.002	275076.976

11316.41	10833.73	6874.16	11595.93	9943.39	8824.77	10572.84	9153.59
289667.705	278832.326	182567.233	297527.49	255158.841	226372.192	279163.171	243114.551
-286211.52	-239514.86	-168034.45	-158708.4	-134436.32	-126904.32	-413877.02	-329818.67
-286211.52	-239514.86	-168034.45	-158708.4	-134436.32	-126904.32	-413877.02	-329818.67
2.37	1.85	2.31	2.03	2.72	2.4	1.86	1.62
		0.099999			0.142857		
95203.7348	90266.4415	60107.764	77354.3609	72185.1527	76776.2021	94959.0232	81999.1079
1.17	1.12	0.9	1.15	1.16	0.88	1.02	0.88
4797.936	4592.896	3690.72	4715.92	4756.928	3608.704	4266.47946	3680.88424
361196.383	347635.258	228347.406	370774.189	318704.265	282193.885	346326.67	301537.125
361196.383	347635.258	228347.406	370774.189	318704.265	282193.885	346326.67	301537.125
278011.803	267673.584	175486.849	285583.682	244917.15	217282.679	268061.689	233503.281
11316.41	10833.73	6874.16	11595.93	9943.39	8824.77	10572.84	9153.59
4797.936	4592.896	3690.72	4715.92	4756.928	3608.704	4266.47946	3680.88424
361196.383	347635.258	228347.406	370774.189	318704.265	282193.885	346326.67	301537.125
11655.9023	11158.7419	7080.3848	11943.8079	10241.6917	9089.5131	11101.482	9611.2695
0.45	0.45	0.75				0.3	0.9
0.003636	0.004375	0.010284				0.004159	0.006466
0.003636	0.004375	0.010281				0.004147	0.006093
216.786804	31.45199	158.698216				10.051013	30.153041
0.694843	0.107002	0.615896				0.033502	0.099578
3.84	4.62	9.87				4.38	5.85
0.039403	0.024346	0.025281	0.021467	0.036156	0.031101	0.021107	0.030281
57.6	69.3	148.05				65.7	87.75
1188.94792	1430.45297	3055.96771				1383.2666	1847.51361
0.656929	0.656929	1.094882				0.446711	1.340135
72.35712	87.05466	185.98041				84.181409	112.434075
1014.39	1030.29	935.73	1080.3	925.29	976.65	1033.71	930.93
2.881789	2.92696	2.924156	2.935597	2.891531	2.906696	2.936676	2.909156
1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3
3.84	4.62	9.87				4.38	5.85
9.853945	9.853945	16.423242				6.700675	20.102027
9.853945	9.853945	16.423242				6.700675	20.102027
1261.30504	1517.50763	3241.94812				1467.44801	1959.94768
1818.96764	1918.35669	5084.67497				1733.86047	2232.86063
557.662595	400.849059	1842.72686				266.412466	272.912945
1818.96764	1918.35669	5084.67497				1733.86047	2232.86063
1.28	1.54	3.29				1.46	1.95
1044.51824	1486.05564	3083.2499				1457.39699	1929.79464
1477.16497	1880.18358	4841.60344				1723.64378	2201.55171
0.09	0.089951	0.149984				0.06	0.18
3.18	4.524245	9.386848				4.35	5.76
455.80462	328.464854	328.464854					
4.558046	3.284648	3.284648					

3.84	4.62	9.87				4.38	5.85
0.010909	0.013125	0.030843				0.012443	0.018281
557.662595	400.849059	1842.72686				266.412466	272.912945
557.662595	400.849059	1842.72686				266.412466	272.912945
0.66	0.095754	0.483151				0.03	0.09
216.786804	31.45199	158.698216				10.051013	30.153041
0.14	0.19	0.05				0.11	0.13
-557.6626	-400.84906	-1842.7269				-266.41247	-272.91295
-2034.8276	-2281.0326	-6684.3303				-1990.0562	-2474.4647
0.04							
390.4719	448.4089	787.5021				442.8563	568.8506
0.25	0.4	0.42				0.24	0.75
1261.30504	1517.50763	3241.94812				1467.44801	1959.94768
1261.30504	1517.50763	3241.94812				1467.44801	1959.94768
1261.30504	1517.50763	3241.94812				1467.44801	1959.94768
3.84	4.62	9.87				4.38	5.85
1261.30504	1517.50763	3241.94812				1467.44801	1959.94768

8.573785	6.677906	4.008115	5.795524	3.246697	2.68565	4.73003	6.287231
0.17738	0.1286	0.132746	0.077573	0.039297	0.036007	0.171983	0.141218
0.171875	0.125625	0.127756	0.075282	0.038068	0.03416	0.167857	0.136381
87838.0273	42205.5172	15142.5523	2478.04204	2510.13275	10931.881	36681.2368	28867.6552
271.458229	137.386975	55.761605	10.675658	10.124478	36.125813	122.922157	100.152879
3025	2211	2044.1	1385.2	609.1	573.9	2954.3	2182.1
0.02625	0.030823	0.035406	0.025081	0.028593	0.032678	0.033636	0.032703
43595	31843.8	29606.5	19809.2	8759.9	8209.5	42783.1	31572.1
200797.589	147785.672	131480.427	90803.0286	46750.8625	52766.8254	265288.765	200968.566
2.717391	2.120585	1.256115	1.86006	1.217213	1.187584	1.869225	2.416008
19098.0652	8986.07283	3393.23703	523.526358	483.971113	1676.31383	5882.50584	4518.50302
17102.3	17051.8	15361.8	18005.1	15549.1	16286.1	17005	15445.1
48.586079	48.442613	48.005625	48.926902	48.590937	48.470535	48.309659	48.265937
17600	17600	16000	18400	16000	16800	17600	16000
50	50	50	50	50	50	50	50
3025	2211	2044.1	1385.2	609.1	573.9	2954.3	2182.1
75.897489	53.824808	33.275532	40.473682	24.521453	27.032254	52.587592	65.987527
39.178831	30.250624	18.075327	26.489608	17.36376	16.967286	26.966443	34.826327
201741.079	148238.067	132017.019	91158.4866	46892.4185	52945.1004	266281.952	201508.314
341786.967	277171.562	318206.56	116459.302	67401.5544	69972.424	470808.399	359152.742
140045.889	128933.495	186189.541	25300.8152	20509.1359	17027.3236	204526.447	157644.428
341786.967	277171.562	318206.56	116459.302	67401.5544	69972.424	470808.399	359152.742
324.52	232.85	160.71	153.45	73.81	74.96	253.75	254.27
113903.051	106032.549	116874.467	88680.4446	44382.2857	42013.2195	229600.716	172640.659
183971.128	195343.409	278639.672	113234.354	63875.0765	55512.0079	408637.797	305734.25
11.14105	9.380973	6.271818	8.791136	4.953686	3.779787	7.381976	9.801161
1682.45049	1577.32866	1805.82698	1348.08395	574.814001	455.544236	2539.76956	1863.79031
78.002543	75.791321	84.070784	65.192998	77.300913	96.821237	95.75193	98.261628
45.926352	34.045384	20.965662	13.038599	6.957082	17.37109	30.638962	32.426337

3025	2211	2044.1	1385.2	609.1	573.9	2954.3	2182.1
8.59375	6.28125	6.387812	3.76413	1.903437	1.708035	8.392897	6.819062
140045.889	128933.495	186189.541	25300.8152	20509.1359	17027.3236	204526.447	157644.428
140045.889	128933.495	186189.541	25300.8152	20509.1359	17027.3236	204526.447	157644.428
1342.54951	633.671343	238.273023	37.116051	34.285998	118.355763	414.530443	318.309685
87838.0273	42205.5172	15142.5523	2478.04204	2510.13275	10931.881	36681.2368	28867.6552
38.08	30.54	31.14	21.51	10.01	7.71	47.45	34.36
-140045.89	-128933.49	-186189.54	-25300.815	-20509.136	-17027.324	-204526.45	-157644.43
-324017.02	-324276.9	-464829.21	-138535.17	-84384.212	-72539.331	-613164.24	-463378.68
11.13	4.38	1.68	0.24	0.2	0.85	2.88	2.13
33508.5937	22846.4614	18546.4125	10437.2911	5248.0521	5536.6942	32207.5415	22741.3867
0.69	0.16	0.22	0.31	0.09	0.17	0.6	0.19
457.94	105.373	150.843	193.062	50.881	110.064	424.027	130.668
201741.079	148238.067	132017.019	91158.4866	46892.4185	52945.1004	266281.952	201508.314
201741.079	148238.067	132017.019	91158.4866	46892.4185	52945.1004	266281.952	201508.314
200797.589	147785.672	131480.427	90803.0286	46750.8625	52766.8254	265288.765	200968.566
3025	2211	2044.1	1385.2	609.1	573.9	2954.3	2182.1
457.94	105.373	150.843	193.062	50.881	110.064	424.027	130.668
201741.079	148238.067	132017.019	91158.4866	46892.4185	52945.1004	266281.952	201508.314
485.55	347.021999	385.748999	162.396	90.674999	68.211	569.16	409.08
						0.01	0.01
0.6	0.45	0.75				0.3	0.9
0.003743	0.004337	0.010356				0.004136	0.00652
0.003153	0.003835	0.010125				0.003835	0.006187
211.878427	39.415782	192.216543				6.610126	40.204055
0.661788	0.133915	0.7495				0.022033	0.132771
4.44	5.4	12.96				5.4	7.92
0.037045	0.030482	0.020218	0.021956	0.026406	0.03375	0.029659	0.030187
66.6	81	194.4				81	118.8
1374.72103	1671.95802	4012.69924				1705.39718	2501.24919
0.875906	0.656929	1.094882				0.446711	1.340135
83.66292	101.7522	244.205279				103.7853	152.21844
1355.84	1365.08	1254.12	1439.68	1246.2	1298.64	1366.24	1241.36
3.851818	3.878068	3.919125	3.912173	3.894375	3.865	3.881363	3.87925
1408	1408	1280	1472	1280	1344	1408	1280
4	4	4	4	4	4	4	4
4.44	5.4	12.96				5.4	7.92
13.138594	9.853945	16.423242				6.700675	20.102027
13.138594	9.853945	16.423242				6.700675	20.102027
1458.38395	1773.71022	4256.90452				1809.18248	2653.46763
2136.58944	2244.29333	6704.54244				2112.54962	3043.78339
678.205484	470.58311	2447.63792				303.367147	390.315758
2136.58944	2244.29333	6704.54244				2112.54962	3043.78339
1.11	1.35	3.24				1.35	1.98
1246.50553	1734.29443	4064.68797				1802.57235	2613.26358
1797.0888	2195.98251	6422.30977				2105.83054	3002.03816

0.159095	0.12	0.199761				0.070135	0.24
3.794943	5.28	12.374803				5.38027	7.8
413.443547	402.843396	409.698151				335.033791	348.130366
8.26887	4.028433	8.193963				3.350337	3.481303
4.44	5.4	12.96				5.4	7.92
0.012613	0.01534	0.0405				0.01534	0.02475
678.205484	470.58311	2447.63792				303.367147	390.315758
678.205484	470.58311	2447.63792				303.367147	390.315758
0.645056	0.12	0.585196				0.019729	0.12
211.878427	39.415782	192.216543				6.610126	40.204055
0.96	1.32	3.09				1.33	1.91
-678.20548	-470.58311	-2447.6379				-303.36715	-390.31576
-2475.2943	-2666.5656	-8869.9477				-2409.1977	-3392.3539
0.14	0.03	0.14					0.03
339.3988	396.9837	775.4105				410.2466	580.1068
0.23	0.34	0.41				0.24	0.75
1458.38395	1773.71022	4256.90452				1809.18248	2653.46763
1458.38395	1773.71022	4256.90452				1809.18248	2653.46763
1458.38395	1773.71022	4256.90452				1809.18248	2653.46763
4.44	5.4	12.96				5.4	7.92
1458.38395	1773.71022	4256.90452				1809.18248	2653.46763

10.327093	10.424522	10.803513	10.35032	10.412173	10.442987	10.491891	10.542183
0.609598	0.574222	0.424478	0.590926	0.588276	0.571068	0.565876	0.544431
0.57448	0.543436	0.396953	0.558461	0.556163	0.540892	0.534615	0.517018
346444.444	328934.602	222557.672	352211.273	305377.873	311975.492	337153.941	297610.675
1170.07336	1172.24538	951.566223	1539.16255	1228.43913	1057.41578	1152.11315	1059.83064
11849.934	11209.566	7443.668	12043.106	10429.184	10649.966	11027.626	9695.13
0.05963	0.056647	0.062906	0.057472	0.058281	0.056339	0.057613	0.052218
120707.239	114482.366	77548.5423	122770.942	106387.417	108723.552	112572.655	99295.9197
133993.807	127461.113	86190.7904	136170.491	118148.342	120628.958	130175.737	115061.828
2.819	2.819	2.818999	2.819	2.819	2.819	2.9367	2.936699
206288.671	195650.363	132530.459	209815.54	181816.096	185808.551	201133.562	177412.02
19397.186	19458.716	17572.382	20325.41	17659.11	18580.302	19438.792	17772.794
55.105642	55.280443	54.913693	55.232092	55.184718	55.298517	55.22384	55.539981
20627.2	20627.2	18752	21564.8	18752	19689.6	20627.2	18752
58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6
11849.934	11209.566	7443.668	12043.106	10429.184	10649.966	11027.626	9695.13
32.137801	32.894069	35.764936	32.616971	33.78099	33.733003	35.506826	35.265392
29.633097	29.902409	30.972938	29.697586	29.874141	29.964266	31.332592	31.478601
370069.543	351263.378	245286.933	376989.691	328826.688	337646.859	366184.895	320950.877
683999.144	610564.287	476294.238	533761.425	457437.955	485501.312	838867.541	692472.966
313929.601	259300.909	231007.305	156771.734	128611.267	147854.453	472682.646	371522.089
683999.144	610564.287	476294.238	533761.425	457437.955	485501.312	838867.541	692472.966
331.01	332.06	299.87	346.85	301.35	317.07	331.72	303.29
	5.847868	34.284663	37.172618	9.740389			1.592168
	8.610646	98.422448	56.168434	27.211852			1.827803

	0.184111	0.666002	0.945357	0.305839			0.046793
	0.184111	1.119335	1.171253	0.305839			0.046793
30.225407	28.934917	18.731518	29.347424	31.776411	31.82285	30.884885	31.903662
25.389342	21.122489	13.674008	24.064399	26.373893	24.821823	20.692873	22.6516
11849.934	11209.566	7443.668	12043.106	10429.184	10649.966	11027.626	9695.13
33.664585	31.845357	23.261462	32.725831	32.5912	31.696327	31.328482	30.297281
250835.927	199460.976	190472.682	92599.3621	73002.5642	91024.6521	413840.919	319620.112
250835.927	199460.976	190472.682	92599.3621	73002.5642	91024.6521	413840.919	319620.112
11849.934	11209.3819	7442.54866	12041.9347	10428.8782	10649.966	11027.626	9695.08321
346444.444	328934.602	222557.672	352211.273	305377.873	311975.492	337153.941	297610.675
	0.01	0.02	0.04				0.01
-313929.6	-259300.91	-231007.3	-156771.73	-128611.27	-147854.45	-472682.65	-371522.09
-313929.6	-259309.52	-231105.73	-156827.9	-128638.48	-147854.45	-472682.65	-371523.92
15.36	14.39	15.98	17.99	17.76	14.92	11.76	13.12
87967.0003	83692.8185	63409.5782	72138.2861	67358.5626	83071.8855	86308.7173	76508.0104
1.27	1.2	1.22	1.33	1.26	1.38	1.53	1.23
23625.0988	22322.928	22694.9768	24741.2452	23439.0744	25671.3672	29030.9544	23338.6104
433163.216	411103.31	285821.556	441162.063	384435.391	394476.66	425026.622	372852.855
433163.216	411103.31	285821.556	441162.063	384435.391	394476.66	425026.622	372852.855
340282.478	323111.476	218721.249	345986.031	299964.438	306437.51	331309.299	292473.848
11849.934	11209.566	7443.668	12043.106	10429.184	10649.966	11027.626	9695.13
23625.0988	22322.928	22694.9768	24741.2452	23439.0744	25671.3672	29030.9544	23338.6104
433163.216	411103.31	285821.556	441162.063	384435.391	394476.66	425026.622	372852.855
6161.96568	5828.97432	3870.70736	6262.41512	5423.17568	5537.98232	5844.64178	5138.4189
		0.02	0.04	0.01			0.01
7.8	6.15	3.75	4.05	1.95	1.8	4.95	5.7
0.16858	0.119112	0.12876	0.069013	0.035582	0.031666	0.16606	0.134916
0.161477	0.116647	0.125	0.065978	0.033906	0.031666	0.162954	0.131375
16050.179	7007.0544	2762.3052	166.011085	368.483349	2203.60098	6601.36419	4522.11984
49.056374	22.537705	9.873603	0.698737	1.498437	7.234534	22.042475	15.761299
795.76	574.84	560	339.92	151.9	148.96	803.04	588.56
0.036079	0.03463	0.026843	0.032554	0.023031	0.020208	0.029602	0.030781
11936.4	8622.6	8400	5098.8	2278.5	2234.4	12045.6	8828.4
55079.2522	40093.9133	37326.9659	23384.0116	12112.3953	14477.6294	75074.5712	56289.4901
2.358061	1.864109	1.116629	1.23659	0.685376	0.767149	1.844041	2.16154
3475.23025	1481.87997	616.418093	35.886231	71.675542	320.016938	1025.52493	699.646205
4750.2	4757.34	4359.74	4984.28	4376.82	4608.94	4782.12	4342.1
13.494886	13.51517	13.624187	13.544239	13.677562	13.717083	13.585568	13.569062
4928	4928	4480	5152	4480	4704	4928	4480
14	14	14	14	14	14	14	14
795.76	574.84	560	339.92	151.9	148.96	803.04	588.56
35.850026	28.223719	16.838695	18.724281	10.341469	11.618178	28.052132	32.513677
35.850026	28.223719	16.838695	18.724281	10.341469	11.618178	28.052132	32.513677
55425.7522	40219.9133	37400.4659	23489.0116	12154.3953	14519.6294	75389.5712	56341.9901
92691.5778	75485.2296	87942.2009	29963.6593	17450.7997	19065.4944	130084.074	100220.884

37265.8256	35265.3163	50541.735	6474.64773	5296.40446	4545.865	54694.5032	43878.8941
92691.5778	75485.2296	87942.2009	29963.6593	17450.7997	19065.4944	130084.074	100220.884
168.04	135.68	96.93	74.62	38.16	43.9	141.26	123.63
39375.5732	33212.8589	34638.1607	23323.0005	11785.9119	12316.0284	68788.207	51819.8702
64156.3371	62805.8557	80597.5145	29755.6768	16948.4445	16240.2009	119248.718	91923.2446
6.840221	5.441029	3.46962	3.775315	1.809262	1.648181	4.523582	5.211733
564.077983	476.048002	518.90546	337.527584	147.12163	127.625537	734.671671	541.916919
71.971802	72.361089	70.0041	75.86534	82.119441	103.960859	101.575342	91.650859
37.211478	23.879159	14.00082	4.55192	3.284777	10.367904	27.425342	22.912714
795.76	574.84	560	339.92	151.9	148.96	803.04	588.56
2.260681	1.633068	1.75	0.923695	0.474687	0.443333	2.281363	1.83925
37265.8256	35265.3163	50541.735	6474.64773	5296.40446	4545.865	54694.5032	43878.8941
37265.8256	35265.3163	50541.735	6474.64773	5296.40446	4545.865	54694.5032	43878.8941
231.682016	98.791997	41.094539	2.392415	4.778369	21.334462	68.368328	46.64308
16050.179	7007.0544	2762.3052	166.011085	368.483349	2203.60098	6601.36419	4522.11984
13.03	10.2	7.5	10.53	3.34	4.26	9.81	8.01
-37265.826	-35265.316	-50541.735	-6474.6477	-5296.4045	-4545.865	-54694.503	-43878.894
-101422.16	-98071.172	-131139.25	-36230.325	-22244.849	-20786.066	-173943.22	-135802.14
3.66	1.58	0.51	0.01	0.09	0.53	1.26	0.5
17831.4808	12108.421	9806.2954	5613.3232	2710.7372	3151.3092	16894.4599	11916.3106
0.33	0.12	0.07	0.1	0.04	0.04	0.3	0.05
346.5	126	73.5	105	42	42	315	52.5
55425.7522	40219.9133	37400.4659	23489.0116	12154.3953	14519.6294	75389.5712	56341.9901
55425.7522	40219.9133	37400.4659	23489.0116	12154.3953	14519.6294	75389.5712	56341.9901
55079.2522	40093.9133	37326.9659	23384.0116	12112.3953	14477.6294	75074.5712	56289.4901
795.76	574.84	560	339.92	151.9	148.96	803.04	588.56
346.5	126	73.5	105	42	42	315	52.5
55425.7522	40219.9133	37400.4659	23489.0116	12154.3953	14519.6294	75389.5712	56341.9901

10.977704	11.03847	11.391572	10.934856	10.969742	10.973018	11.127717	11.159891
0.47807	0.441098	0.355992	0.432365	0.409635	0.397277	0.451894	0.4281
0.458939	0.424707	0.336436	0.417206	0.392829	0.376622	0.436464	0.412408
1849247.13	1649816.3	1060345.05	1389376.77	1263124.33	1426210.81	1692730.84	1444034.49
6191.31379	5848.93141	4502.60901	6056.06914	5069.35145	4826.89758	5766.63128	5124.27956
59303.82	54880.386	39521.892	56361.588	46146.412	46454.738	56399.648	48446.442
0.036342	0.033734	0.035974	0.030568	0.036335	0.033931	0.032936	0.034911
645479.554	597863.936	440680.256	609393.029	498722.323	501578.685	617631.576	530733.286
1108086.11	969892.491	749979.039	889226.5	671288.823	700795.64	1239918.57	1037359.3
2.930891	2.869077	2.857713	2.822268	2.778387	2.822847	3.080372	3.072413
847914.807	815062.418	592513.518	867738.255	745105.429	759005.664	834064.76	732870.426
67485.9889	40479.1776	14233.8654	4572.72468	4247.43032	13030.5899	31631.9914	22066.6551
124050.146	124436.936	111144.407	130279.99	112567.2	116897.372	124713.512	113011.734
352.415187	353.514022	347.326271	354.021711	351.7725	347.908845	354.29975	353.161668
129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
59303.82	54880.386	39521.892	56361.588	46146.412	46454.738	56399.648	48446.442

282.281236	244.611503	223.813349	181.051809	157.782323	152.846518	236.536157	308.324239
33.82476	33.195923	33.991377	32.363156	31.826979	32.318821	35.792195	35.755666
2099577.65	1913460.01	1444666.15	1886061.78	1518376.3	1563567.83	2214046.75	1888744.04
3710571.82	3262644.22	2729184.01	2563614.14	2064497.31	2160894.38	4629585.83	3787431.84
1610994.17	1349184.21	1284517.86	677552.357	546121.018	597326.552	2415539.08	1898687.8
3710571.82	3262644.22	2729184.01	2563614.14	2064497.31	2160894.38	4629585.83	3787431.84
1718.23	1568.61	1263.67	1441.44	1131.72	1122.05	1647	1507.61
215025.959	229846.36	351468.423	460677.953	220506.072	102024.516	482775.761	411178.937
343874.104	402789.786	845147.909	656274.498	331019.088	140661.199	901411.926	757545.577
4.854217	4.640793	4.333866	12.209052	8.588289	3.648004	4.093953	5.32806
3319.70589	3653.50576	6452.37652	10493.6204	4714.14778	1385.40277	6047.15399	5229.84494
46.279931	39.816786	26.333963	33.149813	34.176124	36.966491	41.91269	41.925576
46.200143	39.782249	26.303843	33.107734	34.14317	36.907695	41.910063	41.920504
59303.82	54880.386	39521.892	56361.588	46146.412	46454.738	56399.648	48446.442
168.476761	155.910187	123.505912	153.156489	144.207537	138.258148	160.226272	151.395131
1331005.31	1080122.56	1091148.46	390711.425	299826.592	349439.669	2145863.42	1662090.4
1331005.31	1080122.56	1091148.46	390711.425	299826.592	349439.669	2145863.42	1662090.4
55984.1141	51226.8802	33069.5155	45867.9676	41432.2642	45069.3352	50352.494	43216.5971
1849247.13	1649816.3	1060345.05	1389376.77	1263124.33	1426210.81	1692730.84	1444034.49
70.33	65.52	66.27	114.68	72.69	31.16	86.24	74.94
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-1954868.3	-1751974	-2129665.8	-1333826.9	-877140.11	-737987.75	-3316951	-2656233.4
278.22	278.86	241.15	207.86	217	298.99	258.66	237.8
		0.00909			0.012987		
362979.986	325856.501	238529.462	259909.943	229292.425	271241.293	355034.565	299311.529
5.92	5.18	4.84	4.48	3.99	3.73	5.29	5.84
36496.8066	34306.2294	33259.1544	36649.1572	35118.3059	35712.4917	39513.9814	33937.7396
2379566.51	2182521.66	1638035.55	2172902.71	1764670.72	1811454.71	2483722.42	2125341.45
2379566.51	2182521.66	1638035.55	2172902.71	1764670.72	1811454.71	2483722.42	2125341.45
1956000.91	1784954.91	1342492.56	1756964.75	1416394.25	1459801.3	2073983.33	1770229.72
59303.82	54880.386	39521.892	56361.588	46146.412	46454.738	56399.648	48446.442
36496.8066	34306.2294	33259.1544	36649.1572	35118.3059	35712.4917	39513.9814	33937.7396
2379566.51	2182521.66	1638035.55	2172902.71	1764670.72	1811454.71	2483722.42	2125341.45
107079.932	94198.8728	68914.4403	92447.8664	66863.7392	68054.034	100549.441	84576.5788
3.09	7.57	11.94	45.37	30.24	5.03	6.89	6.93

4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
846098.377	716128.661	280023.552	351421.216	422605.088	843963.583	609090.108	504176.618
2855.67857	2538.57553	1172.1556	1525.63127	1689.90029	2841.77321	2069.14477	1788.98082
-103611.42	-98566.708	-75179.658	-84349.046	-79599.621	-99162.228	-103135.7	-89873.985
103611.416	98566.7076	75179.658	84349.0457	79599.6209	99162.228	103135.695	89873.9852
846098.377	716128.661	280023.552	351421.216	422605.088	843963.583	609090.108	504176.618
277.59	277.88	241.31	207.21	215.46	298.92	257.92	237.35
226.522098	210.07507	180.606216	153.932447	166.661165	217.015233	192.539056	188.479595
107.673549	103.107966	94.10064	80.14188	78.908203	108.483429	100.564903	97.957077
32835.67	32418.9806	26550.7607	17997.3062	19648.7956	34382.9055	31104.3267	27494.5449

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4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
5734593.87	4910538.25	2983911.69	3341313.09	3237244.57	4418858.15	6111361.98	4987667.32
103611.416	98566.7076	75179.658	84349.0457	79599.6209	99162.228	103135.695	89873.9852
4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
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4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
846098.377	716128.661	280023.552	351421.216	422605.088	843963.583	609090.108	504176.618
2855.67857	2538.57553	1172.1556	1525.63127	1689.90029	2841.77321	2069.14477	1788.98082
-103611.42	-98566.708	-75179.658	-84349.046	-79599.621	-99162.228	-103135.7	-89873.985
103611.416	98566.7076	75179.658	84349.0457	79599.6209	99162.228	103135.695	89873.9852
846098.377	716128.661	280023.552	351421.216	422605.088	843963.583	609090.108	504176.618
277.59	277.88	241.31	207.21	215.46	298.92	257.92	237.35
226.522098	210.07507	180.606216	153.932447	166.661165	217.015233	192.539056	188.479595
107.673549	103.107966	94.10064	80.14188	78.908203	108.483429	100.564903	97.957077
32835.67	32418.9806	26550.7607	17997.3062	19648.7956	34382.9055	31104.3267	27494.5449
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-47.094299	-42.516223	-35.759253	-35.439823	-35.324118	-36.080732	-53.218206	-49.724349
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4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
5734593.87	4910538.25	2983911.69	3341313.09	3237244.57	4418858.15	6111361.98	4987667.32
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4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
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170684.142	168044.409	195024.263	258338.096	231237.877	246342.749	278391.501	262266.797
587.38802	606.933265	839.844069	1131.6092	932.997679	837.783288	952.786912	936.84021
4539.47186	4469.26621	5186.81551	6870.69404	6149.94354	6551.66886	7121.80867	6709.30666
205782.348	184533.307	180267.529	242406.228	216191.417	234672.256	377863.288	330646.515
4539.47186	4469.26621	5186.81551	6870.69404	6149.94354	6551.66886	7121.80867	6709.30666
12.896226	12.696779	16.208798	18.670364	19.218573	19.499014	20.23241	20.966583
35098.2066	16488.8979	-14756.735	-15931.868	-15046.46	-11670.493	99471.7877	68379.7177

35098.2066	16488.8979	-14756.735	-15931.868	-15046.46	-11670.493	99471.7877	68379.7177
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170684.142	168044.409	195024.263	258338.096	231237.877	246342.749	278391.501	262266.797
-35098.207	-16488.898	14756.7346	15931.8677	15046.4601	11670.4927	-99471.788	-68379.718
-35098.207	-16488.898	14756.7346	15931.8677	15046.4601	11670.4927	-99471.788	-68379.718
103611.416	98566.7076	75179.658	84349.0457	79599.6209	99162.228	103135.695	89873.9852
170684.142	168044.409	195024.263	258338.096	231237.877	246342.749	278391.501	262266.797
170684.142	168044.409	195024.263	258338.096	231237.877	246342.749	278391.501	262266.797
4539.47186	4469.26621	5186.81551	6870.69404	6149.94354	6551.66886	7121.80867	6709.30666
170684.142	168044.409	195024.263	258338.096	231237.877	246342.749	278391.501	262266.797
170684.142	168044.409	195024.263	258338.096	231237.877	246342.749	278391.501	262266.797
4539.47186	4469.26621	5186.81551	6870.69404	6149.94354	6551.66886	7121.80867	6709.30666
205782.348	184533.307	180267.529	242406.228	216191.417	234672.256	377863.288	330646.515
35098.2066	16488.8979	-14756.735	-15931.868	-15046.46	-11670.493	99471.7877	68379.7177
170684.142	168044.409	195024.263	258338.096	231237.877	246342.749	278391.501	262266.797

167356.412	164666.875	190711.918	252700.707	226346.641	241044.06	271811.648	256115.229
575.901174	594.722634	821.294542	1106.96251	913.269953	819.789519	930.271244	914.857703
5108.55959	5026.4614	5821.48712	7713.69681	6909.23814	7357.87728	8001.52041	7539.4533
231709.292	207606.382	202239.174	272141.234	242886.74	263518.517	424540.451	371577.042
27.884358	26.209473	16.838226	32.187268	34.657869	34.511089	34.092163	32.912541
0.83653	0.524189	1.347058	0.643745	1.039736	3.796219	1.363686	1.316501
5108.55959	5026.4614	5821.48712	7713.69681	6909.23814	7357.87728	8001.52041	7539.4533
14.512953	14.279719	18.192147	20.961132	21.591369	21.898444	22.731592	23.560791
64352.8793	42939.5065	11527.2563	19440.5263	16540.0989	22474.4576	152728.803	115461.813
64352.8793	42939.5065	11527.2563	19440.5263	16540.0989	22474.4576	152728.803	115461.813
5108.55959	5026.4614	5821.48712	7713.69681	6909.23814	7357.87728	8001.52041	7539.4533
167356.412	164666.875	190711.918	252700.707	226346.641	241044.06	271811.648	256115.229
-64352.879	-42939.507	-11527.256	-19440.526	-16540.099	-22474.458	-152728.8	-115461.81
-64352.879	-42939.507	-11527.256	-19440.526	-16540.099	-22474.458	-152728.8	-115461.81
0.36	0.05	0.64	0.09	0.07	0.82	0.21	0.33
103611.416	98566.7076	75179.658	84349.0457	79599.6209	99162.228	103135.695	89873.9852
167356.412	164666.875	190711.918	252700.707	226346.641	241044.06	271811.648	256115.229
167356.412	164666.875	190711.918	252700.707	226346.641	241044.06	271811.648	256115.229
5108.55959	5026.4614	5821.48712	7713.69681	6909.23814	7357.87728	8001.52041	7539.4533
167356.412	164666.875	190711.918	252700.707	226346.641	241044.06	271811.648	256115.229
167356.412	164666.875	190711.918	252700.707	226346.641	241044.06	271811.648	256115.229
5108.55959	5026.4614	5821.48712	7713.69681	6909.23814	7357.87728	8001.52041	7539.4533
231709.292	207606.382	202239.174	272141.234	242886.74	263518.517	424540.451	371577.042
64352.8793	42939.5065	11527.2563	19440.5263	16540.0989	22474.4576	152728.803	115461.813
167356.412	164666.875	190711.918	252700.707	226346.641	241044.06	271811.648	256115.229

160054.625	173345.458	113448.46	109578.487	119837.626	149893.19	164094.9	134605.198
547.118907	621.766144	485.876466	480.209398	483.884355	510.380608	560.56075	480.53487
3124.23628	3383.67086	2214.49268	2138.95153	2339.208	2925.88698	3203.1017	2627.46824
143280.074	138205.72	74438.1715	75100.2296	81623.0298	103985.633	175213.774	129479.427
3124.23628	3383.67086	2214.49268	2138.95153	2339.208	2925.88698	3203.1017	2627.46824

8.875671	9.612701	6.920289	5.812368	7.310024	8.707996	9.09972	8.210838
-16774.551	-35139.738	-39010.288	-34478.257	-38214.596	-45907.557	11118.8733	-5125.7705
-16774.551	-35139.738	-39010.288	-34478.257	-38214.596	-45907.557	11118.8733	-5125.7705
3124.23628	3383.67086	2214.49268	2138.95153	2339.208	2925.88698	3203.1017	2627.46824
160054.625	173345.458	113448.46	109578.487	119837.626	149893.19	164094.9	134605.198
16774.5509	35139.7383	39010.2883	34478.2574	38214.596	45907.5572	-11118.873	5125.77045
16774.5509	35139.7383	39010.2883	34478.2574	38214.596	45907.5572	-11118.873	5125.77045
100285.587	98566.7076	75179.658	84349.0457	79599.6209	99162.228	103135.695	89873.9852
160054.625	173345.458	113448.46	109578.487	119837.626	149893.19	164094.9	134605.198
160054.625	173345.458	113448.46	109578.487	119837.626	149893.19	164094.9	134605.198
3124.23628	3383.67086	2214.49268	2138.95153	2339.208	2925.88698	3203.1017	2627.46824
160054.625	173345.458	113448.46	109578.487	119837.626	149893.19	164094.9	134605.198
160054.625	173345.458	113448.46	109578.487	119837.626	149893.19	164094.9	134605.198
3124.23628	3383.67086	2214.49268	2138.95153	2339.208	2925.88698	3203.1017	2627.46824
143280.074	138205.72	74438.1715	75100.2296	81623.0298	103985.633	175213.774	129479.427
-16774.551	-35139.738	-39010.288	-34478.257	-38214.596	-45907.557	11118.8733	-5125.7705
160054.625	173345.458	113448.46	109578.487	119837.626	149893.19	164094.9	134605.198

151795.584	153455.671	175641.212	282671.489	234543.283	216080.237	258305.781	176183.691
525.76093	556.110568	758.672311	1240.97314	947.545549	738.046657	886.36657	631.631869
2019.36389	2041.44833	2336.58656	3760.42955	3120.17138	2874.55417	3352.44362	2286.61507
85703.9072	79333.5739	76745.1925	131818.699	109464.952	100821.67	178177.211	109857.677
2019.36389	2041.44833	2336.58656	3760.42955	3120.17138	2874.55417	3352.44362	2286.61507
5.736829	5.799569	7.301832	10.218558	9.750535	8.55522	9.523987	7.145672
-66091.677	-74122.097	-98896.019	-150852.79	-125078.33	-115258.57	-80128.57	-66326.015
-66091.677	-74122.097	-98896.019	-150852.79	-125078.33	-115258.57	-80128.57	-66326.015
2019.36389	2041.44833	2336.58656	3760.42955	3120.17138	2874.55417	3352.44362	2286.61507
151795.584	153455.671	175641.212	282671.489	234543.283	216080.237	258305.781	176183.691
66091.6765	74122.0968	98896.0191	150852.79	125078.331	115258.566	80128.5701	66326.0146
66091.6765	74122.0968	98896.0191	150852.79	125078.331	115258.566	80128.5701	66326.0146
100989.4	98566.7076	74543.1719	84349.0457	79599.6209	99162.228	101639.982	86228.3356
151795.584	153455.671	175641.212	282671.489	234543.283	216080.237	258305.781	176183.691
151795.584	153455.671	175641.212	282671.489	234543.283	216080.237	258305.781	176183.691
2019.36389	2041.44833	2336.58656	3760.42955	3120.17138	2874.55417	3352.44362	2286.61507
151795.584	153455.671	175641.212	282671.489	234543.283	216080.237	258305.781	176183.691
151795.584	153455.671	175641.212	282671.489	234543.283	216080.237	258305.781	176183.691
2019.36389	2041.44833	2336.58656	3760.42955	3120.17138	2874.55417	3352.44362	2286.61507
85703.9072	79333.5739	76745.1925	131818.699	109464.952	100821.67	178177.211	109857.677
-66091.677	-74122.097	-98896.019	-150852.79	-125078.33	-115258.57	-80128.57	-66326.015
151795.584	153455.671	175641.212	282671.489	234543.283	216080.237	258305.781	176183.691

649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915
2236.16903	2379.53261	2905.68739	3959.75424	3277.69754	2906.00007	3329.98548	2963.86465
14791.6316	14920.8468	15559.3819	20483.7719	18518.5611	19709.9873	21678.8744	19162.8433
666475.621	609678.983	533690.067	721466.391	650166.139	702998.077	1155794.72	941560.661
27.884358	26.209473	16.838226	32.187268	34.657869	34.511089	34.092163	32.912541
0.83653	0.524189	1.347058	0.643745	1.039736	3.796219	1.363686	1.316501

14791.6316	14920.8468	15559.3819	20483.7719	18518.5611	19709.9873	21678.8744	19162.8433
42.02168	42.388769	48.623068	55.662423	57.870503	58.660676	61.587711	59.883885
16584.8585	-49833.431	-141135.79	-181822.39	-161799.29	-150362.16	183190.893	112389.746
16584.8585	-49833.431	-141135.79	-181822.39	-161799.29	-150362.16	183190.893	112389.746
14791.6316	14920.8468	15559.3819	20483.7719	18518.5611	19709.9873	21678.8744	19162.8433
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915
-16584.859	49833.4307	141135.786	181822.389	161799.288	150362.159	-183190.89	-112389.75
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0.36	0.05	0.64	0.09	0.07	0.82	0.21	0.33
408497.819	394266.83	300082.146	337396.183	318398.484	396648.912	411047.067	355850.291
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915
14791.6316	14920.8468	15559.3819	20483.7719	18518.5611	19709.9873	21678.8744	19162.8433
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915
14791.6316	14920.8468	15559.3819	20483.7719	18518.5611	19709.9873	21678.8744	19162.8433
666475.621	609678.983	533690.067	721466.391	650166.139	702998.077	1155794.72	941560.661
16584.8585	-49833.431	-141135.79	-181822.39	-161799.29	-150362.16	183190.893	112389.746
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915

10.977704	11.03847	11.391572	10.934856	10.969742	10.973018	11.127717	11.159891
0.47807	0.441098	0.355992	0.432365	0.409635	0.397277	0.451894	0.4281
0.458939	0.424707	0.336436	0.417206	0.392829	0.376622	0.436464	0.412408
4888495.49	4194409.59	2703888.14	2989891.88	2814639.48	3574894.56	5502271.87	4483490.71
3345236.27	3025457.37	2015194.46	2644086.77	2497694.85	3123534.63	3274424.78	2777382.02
11283.1614	10767.0396	8580.452	11541.4547	10036.9493	10574.6709	11165.7615	9877.12503
-29515.964	-28765.475	-20098.384	-7503.6858	-14934.648	-32997.503	-25057.173	-22264.7
3164723.74	3164723.74	2877021.58	3308574.82	2877021.58	3020872.66	3236885.38	2942623.07
0.036342	0.033734	0.035974	0.030568	0.036335	0.033931	0.032936	0.034911
645479.554	597863.936	440680.256	609393.029	498722.323	501578.685	617631.576	530733.286
1108086.11	969892.491	749979.039	889226.5	671288.823	700795.64	1239918.57	1037359.3
2.930891	2.869077	2.857713	2.822268	2.778387	2.822847	3.080372	3.072413
847914.807	815062.418	592513.518	867738.255	745105.429	759005.664	834064.76	732870.426
67485.9889	40479.1776	14233.8654	4572.72468	4247.43032	13030.5899	31631.9914	22066.6551
124050.146	124436.936	111144.407	130279.99	112567.2	116897.372	124713.512	113011.734
352.415187	353.514022	347.326271	354.021711	351.7725	347.908845	354.29975	353.161668
129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
59303.82	54880.386	39521.892	56361.588	46146.412	46454.738	56399.648	48446.442
282.281236	244.611503	223.813349	181.051809	157.782323	152.846518	236.536157	308.324239
33.82476	33.195923	33.991377	32.363156	31.826979	32.318821	35.792195	35.755666
2099577.65	1913460.01	1444666.15	1886061.78	1518376.3	1563567.83	2214046.75	1888744.04
3710571.82	3262644.22	2729184.01	2563614.14	2064497.31	2160894.38	4629585.83	3787431.84
103611.416	98566.7076	75179.658	84349.0457	79599.6209	99162.228	103135.695	89873.9852
1610994.17	1349184.21	1284517.86	677552.357	546121.018	597326.552	2415539.08	1898687.8

4377047.44	3872323.2	3262874.08	3285080.53	2714663.45	2863892.46	5785380.56	4728992.5
1718.23	1568.61	1263.67	1441.44	1131.72	1122.05	1647	1507.61
215025.959	229846.36	351468.423	460677.953	220506.072	102024.516	482775.761	411178.937
34.513569	31.732749	27.369399	27.521854	27.491	28.027448	39.562584	37.152665
846098.377	716128.661	280023.552	351421.216	422605.088	843963.583	609090.108	504176.618
277.59	277.88	241.31	207.21	215.46	298.92	257.92	237.35
226.522098	210.07507	180.606216	153.932447	166.661165	217.015233	192.539056	188.479595
6.729596	6.444247	5.88129	6.67849	6.575683	9.040285	6.285306	6.122317
32,836	32,419	26,551	17,997	19,649	34,383	31,104	27,495
343874.104	402789.786	845147.909	656274.498	331019.088	140661.199	901411.926	757545.577
3.337274	3.190545	2.979532	7.121947	5.009835	2.128002	2.814593	3.663041
3,320	3,654	6,452	10,494	4,714	1,385	6,047	5,230
46.232607	39.792306	26.279962	33.113753	34.152688	36.917391	41.908247	41.833474
46.152851	39.757962	26.251398	33.071848	34.11977	36.858865	41.905638	41.828409
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-64.762852	-64.258737	-61.623457	-72.201993	-69.768752	-64.514517	-62.17433	-62.903832
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70775.7457	66147.727	48628.8973	66351.7395	59950.8253	64779.3225	72031.3684	62379.4403
2499137.89	2309328.71	1735170.91	2292665.55	2075089.76	2279571.05	2665334.67	2273205.41
6425640.2	6059782.55	4437527.65	5802736.73	5307339.33	6148802.83	6140427.27	5415036.23
6927864.48	6373121.43	3872403.29	5497883.44	5398925.33	6852105.22	5848105.45	5161667.27
		0.00909			0.012987		
875089.221	818690.039	613791.266	681655.171	627290.53	767052.433	869217.327	745035.806
5.92	5.18	4.84	4.48	3.99	3.73	5.29	5.84
36496.8066	34306.2294	33259.1544	36649.1572	35118.3059	35712.4917	39513.9814	33937.7396
11082676.5	10201167.4	7893771.12	9374658.18	8268297.21	9260582.17	12195483.5	10380626.1
7917952.76	7036443.67	5016749.54	6066083.37	5391275.63	6239709.51	8958598.12	7438003.07
1956000.91	1784954.91	1342492.56	1756964.75	1416394.25	1459801.3	2073983.33	1770229.72
74095.4516	69801.2328	55081.2739	76845.3599	64664.9731	66164.7253	78078.5224	67609.2853
36496.8066	34306.2294	33259.1544	36649.1572	35118.3059	35712.4917	39513.9814	33937.7396
7917952.76	7036443.67	5016749.54	6066083.37	5391275.63	6239709.51	8958598.12	7438003.07
107079.932	94198.8728	68914.4403	92447.8664	66863.7392	68054.034	100549.441	84576.5788
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915
14791.6316	14920.8468	15559.3819	20483.7719	18518.5611	19709.9873	21678.8744	19162.8433
666475.621	609678.983	533690.067	721466.391	650166.139	702998.077	1155794.72	941560.661
16584.8585	-49833.431	-141135.79	-181822.39	-161799.29	-150362.16	183190.893	112389.746
649890.763	659512.414	674825.853	903288.779	811965.427	853360.236	972603.83	829170.915

2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10
3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23	3089754.23	3384016.53
-3089754.2	-3236885.4	-3089754.2	-3089754.2	-3236885.4	-3089754.2	-3089754.2	-3384016.5
-3089754.2	-3236885.4	-3089754.2	-3089754.2	-3236885.4	-3089754.2	-3089754.2	-3384016.5
3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23	3089754.23	3384016.53
3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23	3089754.23	3384016.53
3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23	3089754.23	3384016.53
40.859387	37.165357	38.446957	38.145407	48.096677	43.724147	36.863807	37.089967
22.850182	22.850142	22.850123	22.850202	22.850083	22.850142	22.850262	22.850162
40.737342	37.043312	38.324912	38.023362	47.974632	43.602102	36.741762	36.967922
40.831223	37.137193	38.418793	38.117243	48.068513	43.695983	36.835643	37.061803
40.127119	36.433089	37.714689	37.413139	47.364409	42.991879	36.131539	36.357699
40.399373	36.705343	37.986943	37.685393	47.636663	43.264133	36.403793	36.629953
40.812447	37.118417	38.400017	38.098467	48.049737	43.677207	36.816867	37.043027
40.849999	37.155969	38.437569	38.136019	48.087289	43.714759	36.854419	37.080579
21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286
1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
40.55897	36.86494	38.14654	37.84499	47.79626	43.42373	36.56339	36.78955
5.549926	4.987678	4.659024	4.637158	4.656529	4.651494	4.670916	4.781317
31.315021	28.805477	29.632488	29.429639	36.065423	33.149988	28.578057	28.738022
31.315021	28.805477	29.632488	29.429639	36.065423	33.149988	28.578057	28.738022

0.6947		0.55576	0.27788	0.55576	0.41682	0.972579	
0.003634		0.010978	0.001119	0.003313	0.002143	0.020845	
0.002936		0.010978	0.001031	0.003282	0.001878	0.019153	
20.377054		1194.5388	291.58001	1671.23467	431.730614	1746.36142	
0.074466		5.021811	1.015757	4.812768	1.427201	6.710548	
22.2		83	7.8	26	14.2	144.8	
0.026369	0.026988	0.032738	0.028601	0.025738	0.029434	0.03875	0.032309
308.4468		1153.202	108.3732	361.244	197.2948	2011.8512	
6494.12718		24279.8449	2281.72036	7605.73454	4153.90117	42358.0908	
1.116779		0.893423	0.446711	0.893423	0.670067	1.563491	
395.212884		1477.59772	138.858581	462.861937	252.793827	2577.78494	
7360.65	7706.25	7312.5	7343.775	7716.15	7337.475	7267.05	8012.475
21.906696	21.892755	21.763392	21.856473	21.92088	21.837723	21.628125	21.773029
7560	7920	7560	7560	7920	7560	7560	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
22.2		83	7.8	26	14.2	144.8	
15.754415		12.601921	6.279593	12.530678	9.51436	22.002904	
15.754415		12.601921	6.279593	12.530678	9.51436	22.002904	
6954.16006		25895.2226	2449.02894	8128.43147	4461.915	45195.5407	
9133.78939		35957.7813	2669.90592	10284.7522	5063.70526	74869.0418	
2179.62933		10062.5587	220.876981	2156.32076	601.790266	29673.501	
9133.78939		35957.7813	2669.90592	10284.7522	5063.70526	74869.0418	
5.03		7.98	4.45	8.71	5.25	16.93	
6933.78301		24700.6838	2157.44893	6457.19681	4030.18438	43449.1793	
9098.68471		34026.1622	2347.0461	8190.30914	4586.58804	72475.753	
0.999256		0.789546	0.391502	0.76763	0.59596	1.36476	
22.13459		79.165581	6.86404	20.635408	12.814163	139.195169	
311.530633		311.530633	320.270509	320.294399	319.245277	318.732841	
3.115306		9.345919	3.202705	9.608831	6.384905	9.464707	
22.2		83	7.8	26	14.2	144.8	
0.066071		0.247023	0.023214	0.073863	0.042261	0.430952	
2179.62933		10062.5587	220.876981	2156.32076	601.790266	29673.501	
2179.62933		10062.5587	220.876981	2156.32076	601.790266	29673.501	
0.065409		3.834418	0.935959	5.364591	1.385836	5.60483	
20.377054		1194.5388	291.58001	1671.23467	431.730614	1746.36142	
0.22		0.66	0.17	0.24	0.22	0.86	
-2179.6293		-10062.559	-220.87698	-2156.3208	-601.79027	-29673.501	
-11278.314		-44088.721	-2567.9231	-10346.63	-5188.3783	-102149.25	
			0.02	0.06	0.04	0.04	
294.2105		942.3145	111.9587	413.787	217.8531	1730.885	
0.04		0.04	0.02	0.03	0.04	0.09	
38.18		38.18	19.09	28.635	38.18	85.905	
6954.16006		25895.2226	2449.02894	8128.43147	4461.915	45195.5407	
6954.16006		25895.2226	2449.02894	8128.43147	4461.915	45195.5407	
6889.34006		25757.4426	2420.57894	8068.59647	4406.695	44935.8757	

22.2		83	7.8	26	14.2	144.8	
38.18		38.18	19.09	28.635	38.18	85.905	
6954.16006		25895.2226	2449.02894	8128.43147	4461.915	45195.5407	
26.64		99.6	9.36	31.2	17.04	173.76	
4.80369	4.89788	2.91989	5.36883	6.97006	5.27464	1.97799	4.80369
0.160178	0.174146	0.177021	0.190952	0.279161	0.231798	0.131347	0.169352
0.156071	0.169659	0.172232	0.183779	0.270852	0.224464	0.128363	0.16557
45142.2654	100506.988	82235.1038	113447.7	267218.859	177671.055	38567.0838	30323.8884
169.572509	439.618942	364.893858	410.559201	841.903661	589.681148	150.556507	126.689238
3041.52	3463.76	3356.46	3581.5	5529.72	4374.36	2501.54	3533.94
0.028809	0.029687	0.029791	0.035863	0.029034	0.032232	0.02744	0.033804
28648.0769	32625.1554	31614.4967	33734.1485	52084.4327	41202.0968	23562.0053	33286.1809
162465.895	172402.23	153308.079	167278.539	257104.469	203832.005	117643.039	175572.515
2.726085	2.682835	1.486626	2.725904	3.530741	2.685613	1.041827	2.559699
6738.68987	16283.5744	14283.8424	19381.7816	45844.1133	30449.693	6588.10123	4979.95016
18926.56	19809.9	18907.42	18789.1	19823.24	18859.86	18953.24	20622.48
56.329047	56.278125	56.272083	55.91994	56.316022	56.130535	56.408452	56.039347
19488	20416	19488	19488	20416	19488	19488	21344
58	58	58	58	58	58	58	58
3041.52	3463.76	3356.46	3581.5	5529.72	4374.36	2501.54	3533.94
30.039708	29.713187	16.714058	30.731119	39.618362	30.051019	11.588579	28.515819
30.039708	29.713187	16.714058	30.731119	39.618362	30.051019	11.588579	28.515819
188098.878	201630.772	181581.496	197593.455	303787.397	240691.042	138703.75	205414.782
346694.781	305142.494	448219.323	334729.391	551251.636	441979.567	487195.619	293077.923
158595.903	103511.722	266637.827	137135.936	247464.238	201288.525	348491.868	87663.1409
346694.781	305142.494	448219.323	334729.391	551251.636	441979.567	487195.619	293077.923
180.25	168.69	106.83	144.66	214.01	162.97	84.09	133.37
142956.613	101123.784	99346.392	84145.7551	36564.1514	63019.9864	100136.667	175090.894
267046.27	150349.689	244375.139	132146.117	61468.0243	110783.31	362535.763	249814.893
24.554473	22.510761	13.007651	18.179487	12.315926	13.864696	10.070406	26.75546
2326.08419	1734.95924	1839.96755	1523.76758	662.524613	1141.56533	1802.09195	3005.22674
61.512303	60.117408	54.43993	55.146294	56.617864	55.841044	56.186296	57.27031
28.883828	30.037017	16.305534	31.330493	41.838089	31.243016	11.795172	26.284929
3041.52	3463.76	3356.46	3581.5	5529.72	4374.36	2501.54	3533.94
9.052142	9.840227	9.989464	10.659226	15.709431	13.018928	7.445059	9.603097
158595.903	103511.722	266637.827	137135.936	247464.238	201288.525	348491.868	87663.1409
158595.903	103511.722	266637.827	137135.936	247464.238	201288.525	348491.868	87663.1409
715.435807	1728.80076	1516.49245	2057.73242	4867.19539	3232.79467	699.448054	528.713256
45142.2654	100506.988	82235.1038	113447.7	267218.859	177671.055	38567.0838	30323.8884
17.7	17.3	6.5	17.33	12.07	13.47	8.09	26.64
-158595.9	-103511.72	-266637.83	-137135.94	-247464.24	-201288.53	-348491.87	-87663.141
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2.22	8.88	2.9	6.78	20.89	12.48	1.83	2.14
13566.1843	13691.171	12919.4538	16648.4972	30128.2461	22354.3067	10426.0839	14343.2035
0.4	0.54	0.41	0.77	0.91	0.56	0.28	0.6
175.46	236.871	179.8465	337.7605	399.1715	245.644	122.822	263.19

188098.878	201630.772	181581.496	197593.455	303787.397	240691.042	138703.75	205414.782
188098.878	201630.772	181581.496	197593.455	303787.397	240691.042	138703.75	205414.782
162465.895	172402.23	153308.079	167278.539	257104.469	203832.005	117643.039	175572.515
3041.52	3463.76	3356.46	3581.5	5529.72	4374.36	2501.54	3533.94
175.46	236.871	179.8465	337.7605	399.1715	245.644	122.822	263.19
188098.878	201630.772	181581.496	197593.455	303787.397	240691.042	138703.75	205414.782
25457.5224	28991.6712	28093.5702	29977.155	46283.7564	36613.3932	20937.8898	29579.0778
0.15							
11.018307	11.027448	11.186173	11.012314	10.891119	10.989979	11.331109	10.96643
0.651944	0.635845	0.584648	0.655739	0.715916	0.67599	0.516165	0.673477
0.629774	0.30815	0.564169	0.630875	0.69002	0.652229	0.494792	0.650429
705382.124	307314.524	688104.791	768375.009	896482.244	807118.532	590413.302	738980.665
2767.57052	1340.31579	3101.18811	3013.65892	2961.25155	2820.75016	2481.49668	3149.9196
23488.082	12040.04	21041.258	23529.12	26960.484	24325.54	18453.784	26568.74
0.035863	0.036079	0.033422	0.038154	0.036818	0.03616	0.040029	0.03307
255778.675	131171.589	231766.296	256114.395	291262.909	264022.249	205977.799	288609.16
294957.713	151563.181	267890.802	295700.571	337459.174	306018.635	238928.56	333226.237
2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262
454314.082	232986.976	411663.294	454910.388	517341.18	468956.318	365857.767	512627.59
35958.45	18934.38	36049.47	35872.98	37633.44	35947.35	35803.05	39497.13
107.019196	53.790852	107.290089	106.764821	106.913181	106.98616	106.556696	107.329157
37296	39072	37296	37296	39072	37296	37296	40848
111	111	111	111	111	111	111	111
23488.082	12040.04	21041.258	23529.12	26960.484	24325.54	18453.784	26568.74
34.203134	34.144996	34.668326	34.148762	33.745597	34.111701	35.175062	33.963074
33.847417	33.870268	34.336528	33.827361	33.468684	33.75889	34.757418	33.694123
794106.087	406471.422	719180.601	795173.082	904548.733	821326.672	641177.159	895140.618
1224833.5	552476.787	1165004.32	1121949.62	1564744.76	1320693.57	1113541.04	1193012.94
430727.418	146005.365	445823.72	326776.537	660196.025	499366.895	472363.882	297872.323
1224833.5	552476.787	1165004.32	1121949.62	1564744.76	1320693.57	1113541.04	1193012.94
323.95	170.48	324.77	323.18	339.04	323.85	322.55	355.83
81705.4828	96620.0974	25325.7301	20117.8328	1724.48901	7020.53983	44083.617	149648.832
167878.957	169888.836	66055.2952	31880.5977	2556.95403	12304.0179	183279.286	256113.737
21.988026	33.119099	11.871779	12.84784	6.584448	9.38941	10.525231	29.228689
2507.26099	2962.44422	774.110502	615.366598	52.284994	213.238706	1336.06424	4591.33666
26.002743	25.258979	20.35189	26.532243	30.173589	28.866455	15.358237	26.378773
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23488.082	12040.04	21041.258	23529.12	26960.484	24325.54	18453.784	26568.74
69.905005	34.204659	62.622791	70.027142	76.592284	72.39744	54.921976	72.197663
297031.905	77441.9758	324679.478	192905.543	507952.902	361362.466	364699.286	147016.315
297031.905	77441.9758	324679.478	192905.543	507952.902	361362.466	364699.286	147016.315
20980.821	9077.59578	20267.1475	22913.7534	26908.199	24112.3013	17117.7198	21977.4033
705382.124	307314.524	688104.791	768375.009	896482.244	807118.532	590413.302	738980.665
31.59	22.02	5.99	11.18	1.59	4.24	9.25	44.06
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206.05	92.26	245.74	232.44	234.8	232.17	254.52	200.59
	0.5						
79764.4476	36985.4323	70187.1088	80078.8618	99587.2866	89997.4081	74810.3924	80987.4263
0.83	0.3	0.68	0.79	0.75	0.85	0.79	0.77
7018.48	2536.8	5750.08	6680.24	6342	7187.6	6680.24	6511.12
927801.6	475034.811	840324.844	929044.076	1056791.86	959331.101	748841.754	1045996.63
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749271.795	384550.157	679554.096	750610.959	854800.354	774974.953	604786.326	845853.826
23488.082	12040.04	21041.258	23529.12	26960.484	24325.54	18453.784	26568.74
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927801.6	475034.811	840324.844	929044.076	1056791.86	959331.101	748841.754	1045996.63
37815.812	19384.4644	33876.4254	37881.8832	43406.3792	39164.1194	29710.5922	42775.6714
26.33	19.58	9.09	11.34	1.81	4.97	8.41	43.19
0.75		0.6	0.3	0.6	0.6	1.05	
0.003819		0.01039	0.000714	0.002869	0.001636	0.0205	
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		128.286231	20.102027	151.872335	20.102027	139.762115	
		0.532876	0.070507	0.434532	0.067271	0.534993	
3.69		10.02	0.72	3.03	1.65	20.61	
0.023958	0.030198	0.026934	0.037172	0.026761	0.032023	0.036577	0.026875
55.35		150.3	10.8	45.45	24.75	309.15	
1165.35474		3164.4592	227.38629	956.917304	521.093581	6508.93255	
1.116779		0.893423	0.446711	0.893423	0.893423	1.563491	
70.919954		192.579389	13.83804	58.235085	31.712175	396.113894	
983.85	1024.11	980.85	970.53	1027.74	975.72	971.13	1074.33
2.928125	2.909403	2.919196	2.888482	2.919715	2.903928	2.890267	2.919375
1008	1056	1008	1008	1056	1008	1008	1104
3	3	3	3	3	3	3	3
3.69		10.02	0.72	3.03	1.65	20.61	
16.751689		13.401351	6.700675	13.401351	13.401351	23.452365	
16.751689		13.401351	6.700675	13.401351	13.401351	23.452365	
1236.27469		3357.03859	241.22433	1015.15239	552.805756	6905.04645	
1623.00305		4579.36227	262.42443	1262.19101	632.139913	11367.3474	
386.728357		1222.32367	21.2001	247.038619	79.334156	4462.30097	
1623.00305		4579.36227	262.42443	1262.19101	632.139913	11367.3474	
1.23		3.34	0.24	1.01	0.55	6.87	
1236.27469		3228.75236	221.122302	863.280053	532.703728	6765.28433	
1623.00305		4367.98323	240.346131	1090.34162	609.095837	11175.8506	
0.15		0.119892	0.06	0.119495	0.12	0.209589	
3.69		9.637094	0.66	2.576695	1.59	20.192841	
		335.033791		335.033791		335.033791	
		3.350337		3.350337		6.700675	
3.69		10.02	0.72	3.03	1.65	20.61	
0.010982		0.029821	0.002142	0.008607	0.00491	0.061339	
386.728357		1222.32367	21.2001	247.038619	79.334156	4462.30097	
386.728357		1222.32367	21.2001	247.038619	79.334156	4462.30097	

		0.382905	0.06	0.453304	0.06	0.417158	
		128.286231	20.102027	151.872335	20.102027	139.762115	
-386.72836		-1222.3237	-21.2001	-247.03862	-79.334156	-4462.301	
-2009.7314		-5590.3069	-261.54623	-1337.3802	-688.42999	-15638.152	
320.7692		763.7851	68.0222	320.0707	169.2959	1632.8449	
0.45		0.39	0.1	0.33	0.25	1.02	
1236.27469		3357.03859	241.22433	1015.15239	552.805756	6905.04645	
1236.27469		3357.03859	241.22433	1015.15239	552.805756	6905.04645	
1236.27469		3357.03859	241.22433	1015.15239	552.805756	6905.04645	
3.69		10.02	0.72	3.03	1.65	20.61	
1236.27469		3357.03859	241.22433	1015.15239	552.805756	6905.04645	
11.56171	11.562404		11.567129	11.375179	11.491389	12.161894	11.442184
0.728473	0.723398		0.714928	0.791211	0.749916	0.538373	0.754988
0.702705	0.689078		0.358995	0.755076	0.714878	0.440946	0.721518
267976.273	275750.929		136784.594	299179.284	271838.114	175346.368	299854.75
1056.70188	1215.45704		507.533718	991.916307	955.094224	748.517451	1285.11823
10152.69	10429.89		5186.77	11428.84	10328.57	6370.79	11417.31
0.037589	0.047869	0.045863	0.045327	0.04625	0.048333	0.045029	0.046385
115584.58	118796.095		58972.2623	128817.912	117065.227	75584.9629	129377.668
133166.551	137200.658		67996.3787	148815.682	135253.356	87471.2298	148902.022
2.2241	2.2241		2.224099	2.2241	2.2241	2.224099	2.2241
124149.397	127598.886		63342.107	138363.319	125739.76	81185.8086	138964.553
13904.91	14411.45		7244.64	14435.96	13749.68	11829.73	15089.99
41.38366	40.941619		21.561428	41.01125	40.921666	35.207529	41.005407
14448	15136	14448	14448	15136	14448	14448	15824
43	43	43	43	43	43	43	43
10152.69	10429.89		5186.77	11428.84	10328.57	6370.79	11417.31
27.289563	27.255729		27.276061	26.737445	27.110541	28.844887	26.94189
26.757147	26.752694		26.767486	26.337315	26.596318	28.08729	26.494626
272493.722	280393.863		138917.834	303236.622	276481.048	179278.222	304330.371
498967.849	455031.698		241297.558	621547.448	525077.434	366425.638	481457.968
226474.127	174637.835		102379.724	318310.826	248596.386	187147.417	177127.597
498967.849	455031.698		241297.558	621547.448	525077.434	366425.638	481457.968
323.37	334.81		168.48	335.72	319.76	275.11	350.93
30.095108	28.904627		22.892098	29.090649	27.539386	16.942177	22.061955
8.727581	20.811331		3.891656	7.272662	6.884846	3.049592	4.85363
10152.69	10429.89		5186.77	11428.84	10328.57	6370.79	11417.31
30.216339	29.630369		15.436815	32.468295	30.739791	18.960684	31.025298
166058.067	112543.116		71554.9228	250977.704	187406.392	147639.157	109501.89
166058.067	112543.116		71554.9228	250977.704	187406.392	147639.157	109501.89

10152.69	10429.89		5186.77	11428.84	10328.57	6370.79	11417.31
267976.273	275750.929		136784.594	299179.284	271838.114	175346.368	299854.75
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-226474.13	-174637.84		-102379.72	-318310.83	-248596.39	-187147.42	-177127.6
3.29	21.96		1.22	2.21	2.05	1.9	2.64
		1	0.47619			0.142857	
79216.4059	73036.1647		42745.4619	97911.1464	87749.5629	61135.3136	79184.1077
1.08	1.11		0.51	0.97	1.11	0.94	1.07
4517.44884	4642.93353		2133.23973	4057.33831	4642.93353	3931.85362	4475.62061
332909.781	342488.582		169742.635	370569.744	337671.042	218786.482	371956.078
332909.781	342488.582		169742.635	370569.744	337671.042	218786.482	371956.078
257315.948	264799.544		131338.486	287179.002	260993.116	168657.038	287866.575
10152.69	10429.89		5186.77	11428.84	10328.57	6370.79	11417.31
4517.44884	4642.93353		2133.23973	4057.33831	4642.93353	3931.85362	4475.62061
332909.781	342488.582		169742.635	370569.744	337671.042	218786.482	371956.078
10660.3245	10951.3845		5446.1085	12000.282	10844.9985	6689.3295	11988.1755
0.75		0.6	0.3	0.6	0.6	1.05	
0.00373		0.010514	0.000714	0.002802	0.001636	0.020535	
0.00372		0.010446	0.000714	0.002727	0.001636	0.020535	
		101.414453	20.102027	90.459123	20.102027	130.663178	
		0.419701	0.070507	0.268831	0.067271	0.50085	
3.75		10.53	0.72	2.88	1.65	20.7	
0.025714	0.026079	0.032261	0.033214	0.05375	0.01497	0.027053	0.038586
56.25		157.95	10.8	43.2	24.75	310.5	
1184.30359		3325.52449	227.38629	909.54516	521.093581	6537.35584	
1.116779		0.893423	0.446711	0.893423	0.893423	1.563491	
72.073124		202.381334	13.83804	55.35216	31.712175	397.843649	
982.08	1028.46	975.48	974.52	999.24	992.91	980.73	1061.4
2.922857	2.921761	2.903214	2.900357	2.83875	2.955089	2.918839	2.884239
1008	1056	1008	1008	1056	1008	1008	1104
3	3	3	3	3	3	3	3
3.75		10.53	0.72	2.88	1.65	20.7	
16.751689		13.401351	6.700675	13.401351	13.401351	23.452365	
16.751689		13.401351	6.700675	13.401351	13.401351	23.452365	
1256.37672		3527.90583	241.22433	964.89732	552.805756	6935.19949	
1643.75003		4773.28914	262.42443	1206.49379	632.139913	11400.5507	
387.373315		1245.38331	21.2001	241.596472	79.334156	4465.35123	
1643.75003		4773.28914	262.42443	1206.49379	632.139913	11400.5507	
1.25		3.51	0.24	0.96	0.55	6.9	
1256.37672		3426.49137	221.122302	874.438196	532.703728	6804.53631	
1643.75003		4600.64654	240.346131	1102.4029	609.095837	11223.0941	
0.15		0.119711	0.06	0.12	0.12	0.21	
3.75		10.2273	0.66	2.61	1.59	20.31	
		335.033791					
		3.350337					

3.75		10.53	0.72	2.88	1.65	20.7	
0.01116		0.031339	0.002142	0.008181	0.00491	0.061607	
387.373315		1245.38331	21.2001	241.596472	79.334156	4465.35123	
387.373315		1245.38331	21.2001	241.596472	79.334156	4465.35123	
		0.302699	0.06	0.27	0.06	0.39	
		101.414453	20.102027	90.459123	20.102027	130.663178	
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325.5504		800.5706	68.0222	300.9591	169.2959	1639.6012	
0.47		0.42	0.1	0.3	0.25	1.04	
1256.37672		3527.90583	241.22433	964.89732	552.805756	6935.19949	
1256.37672		3527.90583	241.22433	964.89732	552.805756	6935.19949	
1256.37672		3527.90583	241.22433	964.89732	552.805756	6935.19949	
3.75		10.53	0.72	2.88	1.65	20.7	
1256.37672		3527.90583	241.22433	964.89732	552.805756	6935.19949	
4.545213	5.105709	3.168265	6.391236	8.558631	6.268628	2.866526	4.262444
0.092126	0.089356	0.142573	0.107364	0.171285	0.141281	0.097146	0.08089
0.089726	0.085352	0.14044	0.103523	0.167403	0.137392	0.094702	0.077804
8971.01911	24542.5329	20959.3557	29215.0681	97791.2411	53979.5197	11821.2883	4261.12239
33.838841	105.229627	91.480528	102.444455	297.414473	173.216055	45.838695	17.428389
1507.4	1502.2	2359.4	1739.2	2946.3	2308.2	1591	1431.6
0.028764	0.037585	0.023511	0.027127	0.02909	0.034375	0.02491	0.030108
21723.4	21611	34180.6	25042.4	42489.9	33282.6	23053.4	20539.2
123004.207	114476.344	166159.746	126449.964	213213.075	166963.694	115883.185	108215.368
1.727338	1.88954	1.061337	2.186877	2.896666	2.126659	0.995618	1.545551
1523.92243	4641.87256	4247.54187	5781.19032	19517.9111	10784.1972	2324.30001	831.251268
16378.1	16878.8	16390.9	16376.8	17080.8	16265.1	16350.6	17854.1
48.744345	47.951136	48.78244	48.740476	48.525	48.408035	48.6625	48.516576
16800	17600	16800	16800	17600	16800	16800	18400
50	50	50	50	50	50	50	50
1507.4	1502.2	2359.4	1739.2	2946.3	2308.2	1591	1431.6
42.503801	44.094567	30.815307	54.948883	76.954604	57.025225	28.788462	38.361721
24.620786	27.014474	15.370847	31.449384	41.658297	30.439749	14.320556	22.069904
123387.212	114896.512	166893.197	126999.782	214148.137	167472.648	116301.32	108611.01
216786.252	161379.739	357616.385	203649.653	363465.616	287384.136	378948.918	142080.978
93399.0407	46483.2271	190723.188	76649.871	149317.479	119911.488	262647.599	33469.9682
216786.252	161379.739	357616.385	203649.653	363465.616	287384.136	378948.918	142080.978
152.13	147.7	156.19	204.4	311.55	226.17	121.31	136.62
114416.193	90353.979	145933.841	97784.7141	116356.896	113493.128	104480.031	104349.887
202697.49	126904.098	311889.381	154525.255	193985.17	195597.565	342195.477	136083.572
7.073486	6.737509	4.806015	9.056717	10.003774	8.675399	4.589653	6.804582
1399.8371	1173.37377	2059.83431	1331.95775	1572.86454	1550.55886	1427.68362	1373.03775
88.760458	81.888948	82.327344	78.813972	84.081873	83.025772	85.411067	77.94533
22.190114	27.012542	18.106479	32.948611	50.339289	35.6942	17.050861	14.809612

1507.4	1502.2	2359.4	1739.2	2946.3	2308.2	1591	1431.6
4.486309	4.267613	7.022023	5.17619	8.37017	6.869642	4.735119	3.890217
93399.0407	46483.2271	190723.188	76649.871	149317.479	119911.488	262647.599	33469.9682
93399.0407	46483.2271	190723.188	76649.871	149317.479	119911.488	262647.599	33469.9682
107.562904	328.82623	299.565685	407.242249	1373.43546	757.641135	163.316383	58.562246
8971.01911	24542.5329	20959.3557	29215.0681	97791.2411	53979.5197	11821.2883	4261.12239
23.1	23.15	35.74	25.09	37.36	31.07	20.36	22.43
-93399.041	-46483.227	-190723.19	-76649.871	-149317.48	-119911.49	-262647.6	-33469.968
-296096.53	-173387.32	-502612.57	-231175.13	-343302.65	-315509.05	-604843.08	-169553.54
0.85	1.9	1.65	3.14	11.55	6.61	0.87	0.61
13770.9312	11981.4047	19622.3226	16643.3771	33303.1075	24423.5586	14257.2231	11372.8667
0.19	0.31	0.36	0.44	0.63	0.19	0.13	0.31
135.085	188.088	273.851	272.378	438.382	121.834	106.375	196.922
123387.212	114896.512	166893.197	126999.782	214148.137	167472.648	116301.32	108611.01
123387.212	114896.512	166893.197	126999.782	214148.137	167472.648	116301.32	108611.01
123004.207	114476.344	166159.746	126449.964	213213.075	166963.694	115883.185	108215.368
1507.4	1502.2	2359.4	1739.2	2946.3	2308.2	1591	1431.6
135.085	188.088	273.851	272.378	438.382	121.834	106.375	196.922
123387.212	114896.512	166893.197	126999.782	214148.137	167472.648	116301.32	108611.01
247.92	232.08	459.6	277.44	496.68	387.12	311.76	198.72

0.75		0.6	0.3	0.6	0.6	1.05	
0.00372		0.010206	0.000733	0.002789	0.001613	0.020535	
0.00372		0.009226	0.000714	0.00267	0.001607	0.020535	
		93.388043	26.802703	187.618923	26.802703	173.715428	
		0.38544	0.09401	0.533871	0.089695	0.665607	
5		12.4	0.96	3.76	2.16	27.6	
0.025922	0.022784	0.03497	0.040446	0.033238	0.031101	0.023511	0.025733
75		186	14.4	56.4	32.4	414	
1579.07146		3916.09722	303.18172	1187.46174	682.15887	8716.47445	
1.116779		0.893423	0.446711	0.893423	0.893423	1.563491	
96.097499		238.3218	18.45072	72.26532	41.51412	530.4582	
1309.16	1375.92	1297	1289.64	1361.2	1302.2	1312.4	1434.12
3.896309	3.908863	3.860119	3.838214	3.867045	3.875595	3.905952	3.897065
1344	1408	1344	1344	1408	1344	1344	1472
4	4	4	4	4	4	4	4
5		12.4	0.96	3.76	2.16	27.6	
16.751689		13.401351	6.700675	13.401351	13.401351	23.452365	
16.751689		13.401351	6.700675	13.401351	13.401351	23.452365	
1675.16896		4154.41902	321.63244	1259.72706	723.67299	9246.93265	
2191.66671		5558.17189	349.899241	1549.58395	828.545727	15200.7343	
516.497754		1403.75288	28.2668	289.856892	104.872737	5953.80164	
2191.66671		5558.17189	349.899241	1549.58395	828.545727	15200.7343	
1.25		3.1	0.24	0.94	0.54	6.9	
1675.16896		4061.03097	294.829736	1072.10813	696.870286	9073.21723	
2191.66671		5398.44688	320.461509	1336.53314	797.820293	14964.736	

0.2		0.159782	0.08	0.16	0.16	0.279286	
5		12.121257	0.88	3.2	2.08	27.081498	
		516.193251	368.225124	379.019295	384.3214	425.814516	
		5.161932	3.682251	11.370578	3.843214	8.51629	
5		12.4	0.96	3.76	2.16	27.6	
0.01488		0.036904	0.002857	0.010681	0.006428	0.082142	
516.497754		1403.75288	28.2668	289.856892	104.872737	5953.80164	
516.497754		1403.75288	28.2668	289.856892	104.872737	5953.80164	
		0.278742	0.08	0.56	0.08	0.518501	
		93.388043	26.802703	187.618923	26.802703	173.715428	
1.23		3.02	0.22	0.79	0.52	6.78	
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		0.06	0.02	0.14	0.02	0.11	
325.5504		700.9	68.0222	296.9033	165.6968	1639.6012	
0.47		0.39	0.1	0.32	0.24	1.04	
1675.16896		4154.41902	321.63244	1259.72706	723.67299	9246.93265	
1675.16896		4154.41902	321.63244	1259.72706	723.67299	9246.93265	
1675.16896		4154.41902	321.63244	1259.72706	723.67299	9246.93265	
5		12.4	0.96	3.76	2.16	27.6	
1675.16896		4154.41902	321.63244	1259.72706	723.67299	9246.93265	

10.474961	10.48173	10.716559	10.485244	10.327022	10.45342	10.914093	10.391844
0.543803	0.54286	0.419821	0.541794	0.610445	0.569801	0.369897	0.566346
0.515626	0.513606	0.280644	0.512065	0.577012	0.535602	0.349927	0.537957
311290.456	325113.591	171683.39	309792.885	363420.397	323764.874	218118.858	354996.971
1222.59486	1430.90959	772.835022	1213.21019	1194.72702	1128.40788	920.231658	1521.19996
10152.474	10594.264	5525.774	10082.374	11902.16	10545.794	6889.928	11600.94
0.053869	0.057585	0.0725	0.053988	0.056079	0.058779	0.056815	0.054782
104046.461	108551.729	57275.8485	103413.733	121232.609	107858.653	72663.9354	118493.309
120041.578	125621.033	66425.9203	119679.91	140505.95	125464.548	84671.8395	137213.288
2.9367	2.9367	2.936699	2.9367	2.9367	2.9367	2.936699	2.9367
185899.811	193949.374	102334.758	184769.317	216606.302	192711.055	129828.653	211711.994
18628.94	19439.378	13115.266	18626.596	19470.436	18532.25	18570.926	20383.424
55.443273	55.225505	39.033529	55.436297	55.313738	55.155505	55.270613	55.389739
19689.6	20627.2	19689.6	19689.6	20627.2	19689.6	19689.6	21564.8
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999
10152.474	10594.264	5525.774	10082.374	11902.16	10545.794	6889.928	11600.94
35.031207	34.705203	37.244552	34.63403	33.796253	34.107789	37.004692	34.180214
31.286248	31.301167	31.99451	31.313314	30.844691	31.217686	32.570344	31.040748
335230.045	348144.488	189525.35	331423.793	389415.434	344826.547	239593.317	380499.584
570303.529	525574.301	362956.148	524069.17	720810.195	607365.684	543212.77	561894.319
235073.484	177429.813	173430.798	192645.378	331394.76	262539.137	303619.453	181394.735
570303.529	525574.301	362956.148	524069.17	720810.195	607365.684	543212.77	561894.319
317.9	331.09	223.81	317.86	332.26	316.25	316.91	347.84
31.744924	71.776328	5.94939				33.297059	76.809492
47.591175	131.143879	5.758207				58.840322	111.105924

0.874718	1.757021	0.174225				1.001624	1.960229
0.951981	2.231733	0.174225				1.001624	2.288191
32.156126	29.414726	23.881486	28.348254	31.935792	30.90427	16.817447	30.861404
27.332187	29.414447	12.418372	22.111638	25.867991	25.341501	12.106619	25.304886
10152.474	10594.264	5525.774	10082.374	11902.16	10545.794	6889.928	11600.94
30.215696	30.09734	16.445755	30.007065	33.812954	31.386291	20.505738	31.524293
180688.399	120689.824	143492.712	138591.019	268026.476	206161.42	265638.014	119458.283
180688.399	120689.824	143492.712	138591.019	268026.476	206161.42	265638.014	119458.283
10151.522	10592.0323	5525.59977	10082.374	11902.16	10545.794	6888.92638	11598.6518
311290.456	325113.591	171683.39	309792.885	363420.397	323764.874	218118.858	354996.971
0.02	0.14					0.03	0.06
-235073.48	-177429.81	-173430.8	-192645.38	-331394.76	-262539.14	-303619.45	-181394.73
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15.32	134.1	9.04	14.99	13.85	15.46	17.14	15.65
		0.285714					
72867.0966	68186.4171	41569.0553	73550.9914	90500.1846	82586.1224	69450.1609	73406.6481
1.26	1.21	0.94	1.14	1.37	1.11	1.13	1.34
23907.8448	22959.1208	17836.0112	21630.9072	25995.0376	21061.6728	21441.1624	25425.8032
389615.13	404884.477	219463.436	385478.151	452783.719	401204.265	277574.756	442436.036
389615.13	404884.477	219463.436	385478.151	452783.719	401204.265	277574.756	442436.036
305941.389	319570.407	168760.679	304449.227	357112.252	318175.603	214500.493	348925.282
10152.474	10594.264	5525.774	10082.374	11902.16	10545.794	6889.928	11600.94
23907.8448	22959.1208	17836.0112	21630.9072	25995.0376	21061.6728	21441.1624	25425.8032
389615.13	404884.477	219463.436	385478.151	452783.719	401204.265	277574.756	442436.036
5380.81122	5614.95992	2928.66022	5343.65822	6308.1448	5589.27082	3651.66184	6148.4982
0.05	0.05	0.02				0.04	0.1
3.9	4.35	3.15	5.55	7.35	6.3	3	3.9
0.085012	0.081734	0.140058	0.100836	0.160478	0.135067	0.093402	0.072251
0.084285	0.079772	0.137053	0.099077	0.156988	0.131309	0.090386	0.070163
1447.36363	3078.09574	2916.0692	5034.58365	17270.9082	10233.3974	1984.27578	671.556021
5.447318	13.169085	12.862495	17.624163	52.034004	32.27688	7.67524	2.762962
396.48	393.12	644.7	466.06	773.64	617.68	425.18	361.48
0.040684	0.040823	0.03113	0.025892	0.0275	0.031815	0.02625	0.026711
5947.2	5896.8	9670.5	6990.9	11604.6	9265.2	6377.7	5422.2
33768.5929	31271.4034	47024.8924	35461.5369	58381.3918	46629.3053	31950.3288	28455.0852
1.367862	1.528445	1.015007	1.814556	2.382543	2.037199	0.993791	1.361301
246.555686	582.731805	586.837586	987.718306	3424.28073	2027.00195	391.846308	137.189742
4512.62	4726.82	4557.56	4582.2	4792.48	4554.34	4580.52	5014.38
13.430416	13.428465	13.564166	13.6375	13.615	13.554583	13.6325	13.626032
4704	4928	4704	4704	4928	4704	4704	5152
14	14	14	14	14	14	14	14
396.48	393.12	644.7	466.06	773.64	617.68	425.18	361.48
20.807908	23.55281	15.351963	27.590875	36.431599	30.824189	15.032788	20.634024
20.807908	23.55281	15.351963	27.590875	36.431599	30.824189	15.032788	20.634024
33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053	32023.8288	28612.5852
59507.2529	43725.6699	99398.0394	56621.0632	98921.2512	79423.3404	105015.767	37070.0749

25644.16	12328.2665	52152.6469	21002.0263	40235.3594	32710.0351	72991.9385	8457.48966
59507.2529	43725.6699	99398.0394	56621.0632	98921.2512	79423.3404	105015.767	37070.0749
77.8	82.17	88.13	115.15	154.61	127.41	67.78	70.55
32415.7293	28319.3077	44329.3232	30584.4533	41414.9836	36479.9078	30039.553	27941.0292
57356.3689	39440.096	93273.0034	48348.7946	69239.7817	62149.4808	98714.9737	36030.992
3.613417	3.98469	2.909401	4.893848	6.290746	5.535359	2.75527	3.625918
380.042954	354.271212	605.577494	400.212112	545.354618	482.546536	399.056912	352.334017
90.410118	82.26905	81.621618	77.010806	79.231347	75.679484	77.605076	77.791773
14.465618	16.45381	15.508107	23.783862	38.739877	30.271793	11.640761	4.667506
396.48	393.12	644.7	466.06	773.64	617.68	425.18	361.48
1.18	1.116818	1.91875	1.387083	2.19784	1.838333	1.265416	0.982282
25644.16	12328.2665	52152.6469	21002.0263	40235.3594	32710.0351	72991.9385	8457.48966
25644.16	12328.2665	52152.6469	21002.0263	40235.3594	32710.0351	72991.9385	8457.48966
16.437045	38.848787	39.122505	65.847887	228.285381	135.133463	26.123087	9.145982
1447.36363	3078.09574	2916.0692	5034.58365	17270.9082	10233.3974	1984.27578	671.556021
7.38	8.73	7.6	9.18	10.55	10.6	4.59	9.75
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0.29	0.67	0.64	1.15	3.87	1.98	0.22	0.08
7330.3453	6460.4479	10305.0216	9085.0859	17567.1161	13164.2127	7297.0084	6083.3332
0.09	0.12	0.21	0.15	0.29	0.08	0.07	0.15
94.5	126	220.5	157.5	304.5	84	73.5	157.5
33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053	32023.8288	28612.5852
33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053	32023.8288	28612.5852
33768.5929	31271.4034	47024.8924	35461.5369	58381.3918	46629.3053	31950.3288	28455.0852
396.48	393.12	644.7	466.06	773.64	617.68	425.18	361.48
94.5	126	220.5	157.5	304.5	84	73.5	157.5
33863.0929	31397.4034	47245.3924	35619.0369	58685.8918	46713.3053	32023.8288	28612.5852

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0.409521	0.364627	0.33165	0.398429	0.479184	0.443308	0.312568	0.422071
0.395419	0.297349	0.267893	0.361546	0.461052	0.425793	0.295478	0.406491
1340229.88	1036306.66	967416.337	1363008.43	1943464.12	1645104.23	1038441.68	1429088.95
5255.80039	4544.70008	4349.61984	5266.28143	6345.29702	5701.07778	4362.72823	6103.11838
48773.286	38423.274	33043.542	44595.224	59576.814	52519.804	36445.932	54914.01
0.032391	0.035751	0.035148	0.035719	0.035759	0.034872	0.033752	0.034407
532223.439	418652.369	366155.193	484412.212	647998.657	572975.22	410265.304	595727.717
877827.394	732534.85	735495.365	815606.574	1166139.4	990039.79	740669.035	931584.514
2.932496	2.897275	3.126333	3.006314	3.019613	2.95911	2.935191	2.915219
764997.594	554535.236	516108.933	703206.798	872959.515	787764.865	580774.429	863304.137
8509.16799	21508.1787	19118.2218	26150.6902	68786.3052	43260.8921	9304.24754	5948.39117
118945.32	105335.468	99586.446	112070.781	124340.686	118516.885	116619.376	130043.829
354.003928	299.248488	296.388232	333.543991	353.240585	352.728824	347.081476	353.37997
123345.6	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
48773.286	38423.274	33043.542	44595.224	59576.814	52519.804	36445.932	54914.01

255.884808	193.466494	187.600185	235.711353	300.018596	262.948883	248.794473	182.596745
33.891016	33.482822	36.701325	34.673641	34.76043	34.266511	35.065375	33.468521
1758301.02	1382934.46	1341360.62	1628980.09	2185190.42	1903802.46	1415360.32	1922608.95
2931685.38	2043330.69	2484062.82	2485861.11	3935043.93	3269080.26	3107177.43	2708594.2
1173384.36	660396.228	1142702.2	856881.016	1749853.5	1365277.8	1691817.11	785985.253
2931685.38	2043330.69	2484062.82	2485861.11	3935043.93	3269080.26	3107177.43	2708594.2
1384.16	1234.94	917.66	1278.9	1698.81	1483.3	1225.35	1395.14
382627.366	316488.944	350358.194	235527.279	205327.543	225806.025	344865.382	457107.452
709583.782	486713.862	763991.815	370048.964	338969.517	387436.974	1096623.77	678154.3
6.061533	10.69237	3.876402	4.96601	4.215072	4.285111	3.235952	10.739923
6648.7518	6227.28018	5390.81532	3880.36809	2862.05087	3405.98361	5172.67785	9324.22337
37.006624	35.366522	29.8728	38.210505	49.365295	41.501643	23.731541	33.839299
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48773.286	38423.274	33043.542	44595.224	59576.814	52519.804	36445.932	54914.01
145.158589	109.157028	98.343875	132.72388	169.252312	156.30894	108.470035	149.222853
924887.704	472998.131	991619.87	638130.862	1466908.97	1109705.66	1506662.82	505567.086
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42124.5342	32195.9938	27652.7267	40714.8559	56714.7631	49113.8204	31273.2541	45589.7866
1340229.88	1036306.66	967416.337	1363008.43	1943464.12	1645104.23	1038441.68	1429088.95
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228.02	259.77	260.03	259.76	287.37	270.81	276.63	221.71
	0.045454	0.116883	0.04329			0.012987	
267781.491	210341.038	157810.532	239068.301	370328.807	320997.313	244019.115	265377.586
5.28	3.59	3.84	4.12	5.9	4.68	6.53	4.24
35886.9986	30689.8133	24298.4687	31231.1154	37565.0644	33381.8643	32441.858	37030.1558
2006797.67	1570332.56	1492442.95	1847730.25	2468134.95	2159374.6	1600514.61	2203027.12
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1642824.99	1287070.09	1251604.3	1518813.37	2039098.92	1777804.65	1321443.46	1794888.65
48773.286	38423.274	33043.542	44595.224	59576.814	52519.804	36445.932	54914.01
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79589.0301	65174.56	65457.8558	78935.6049	108526.442	92615.9419	61474.9934	90690.1429
26.53	19.63	9.11	11.34	1.81	4.97	8.45	43.29

3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98	2960846.05	3198623.41
416900.848	534415.204	393090.186	579167.427	935461.491	779470.065	345162.174	402891.028
1636.83013	2349.48523	1765.05509	2244.43046	3071.68887	2688.47017	1414.68796	1705.12241
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85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501	80363.1656	86195.3528
416900.848	534415.204	393090.186	579167.427	935461.491	779470.065	345162.174	402891.028
227.24	260.5	266.4	260.5	286.68	269.94	277.13	220.89
166.086395	167.493264	162.254148	198.065261	233.942789	219.256242	194.406965	160.530228
81.225157	83.728272	88.908864	95.033869	110.898301	108.960266	104.141918	84.811887
21670.4642	23953.5771	26669.3001	27647.6072	34740.5821	32972.4333	32549.3325	20189.4656

-85324.867	-79957.744	-74616.159	-85942.471	-106260.84	-96287.35	-80363.166	-86195.353
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-3519386.2	-2980874.1	-2886137.9	-3363518	-5243793.9	-4282483	-2960846.1	-3198623.4
-41.214349	-37.296403	-38.597089	-38.97992	-49.347616	-44.540645	-37.333848	-37.130263
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3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98	2960846.05	3198623.41
3936287.06	3515289.32	3279228.04	3942685.4	6179255.39	5061953.05	3306008.23	3601514.44
85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501	80363.1656	86195.3528
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3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98	2960846.05	3198623.41
416900.848	534415.204	393090.186	579167.427	935461.491	779470.065	345162.174	402891.028
1636.83013	2349.48523	1765.05509	2244.43046	3071.68887	2688.47017	1414.68796	1705.12241
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85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501	80363.1656	86195.3528
416900.848	534415.204	393090.186	579167.427	935461.491	779470.065	345162.174	402891.028
227.24	260.5	266.4	260.5	286.68	269.94	277.13	220.89
166.086395	167.493264	162.254148	198.065261	233.942789	219.256242	194.406965	160.530228
81.225157	83.728272	88.908864	95.033869	110.898301	108.960266	104.141918	84.811887
21670.4642	23953.5771	26669.3001	27647.6072	34740.5821	32972.4333	32549.3325	20189.4656
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3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98	2960846.05	3198623.41
3936287.06	3515289.32	3279228.04	3942685.4	6179255.39	5061953.05	3306008.23	3601514.44
85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501	80363.1656	86195.3528
3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98	2960846.05	3198623.41
3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98	2960846.05	3198623.41
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274440.866	309139.21	272187.481	220123.257	177474.86	166619.156	213916.224	268444.969
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7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963	5472.40277	6867.35658
285724.512	292989.911	266164.089	213530.452	216181.16	185016.005	199760.88	253955.778
7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963	5472.40277	6867.35658
20.89507	22.467034	20.723504	16.759497	12.898182	12.685862	16.286913	18.661295
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11283.6465	-16149.299	-6023.3917	-6592.8058	38706.2998	18396.8487	-14155.345	-14489.191
7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963	5472.40277	6867.35658
274440.866	309139.21	272187.481	220123.257	177474.86	166619.156	213916.224	268444.969
-11283.647	16149.2989	6023.39171	6592.80581	-38706.3	-18396.849	14155.3446	14489.1907
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85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501	80363.1656	86195.3528
274440.866	309139.21	272187.481	220123.257	177474.86	166619.156	213916.224	268444.969
274440.866	309139.21	272187.481	220123.257	177474.86	166619.156	213916.224	268444.969
7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963	5472.40277	6867.35658
274440.866	309139.21	272187.481	220123.257	177474.86	166619.156	213916.224	268444.969
274440.866	309139.21	272187.481	220123.257	177474.86	166619.156	213916.224	268444.969
7020.74356	7908.39626	6963.09749	5631.19103	4540.16014	4262.44963	5472.40277	6867.35658
285724.512	292989.911	266164.089	213530.452	216181.16	185016.005	199760.88	253955.778
11283.6465	-16149.299	-6023.3917	-6592.8058	38706.2998	18396.8487	-14155.345	-14489.191
274440.866	309139.21	272187.481	220123.257	177474.86	166619.156	213916.224	268444.969

267940.661	302165.839	265852.38	214501.858	173562.619	162853.175	208691.827	261860.433
1060.1852	1334.32582	1200.99487	852.410867	581.956097	574.645654	882.631286	1122.7228
7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293	6143.41556	7708.57914
320980.332	329541.221	299181.391	239335.359	243382.571	208128.27	224186.006	285098.765
20.618134	27.732097	18.008347	28.688588	18.324093	18.665761	23.85459	14.342408
0.618544	4.159814	8.463923	5.450831	0.549722	0.186657	1.669821	0.143424
7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293	6143.41556	7708.57914
23.474902	25.270111	23.291943	18.793005	14.515031	14.267944	18.283974	20.947225
53039.6715	27375.3819	33329.0112	24833.5012	69819.9523	45275.0943	15494.1791	23238.3315
53039.6715	27375.3819	33329.0112	24833.5012	69819.9523	45275.0943	15494.1791	23238.3315
7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293	6143.41556	7708.57914
267940.661	302165.839	265852.38	214501.858	173562.619	162853.175	208691.827	261860.433
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-53039.671	-27375.382	-33329.011	-24833.501	-69819.952	-45275.094	-15494.179	-23238.332
0.21	1.26	6.94	1.73	0.15	0.09	0.96	0.06
85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501	80363.1656	86195.3528
267940.661	302165.839	265852.38	214501.858	173562.619	162853.175	208691.827	261860.433
267940.661	302165.839	265852.38	214501.858	173562.619	162853.175	208691.827	261860.433
7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293	6143.41556	7708.57914
267940.661	302165.839	265852.38	214501.858	173562.619	162853.175	208691.827	261860.433
267940.661	302165.839	265852.38	214501.858	173562.619	162853.175	208691.827	261860.433
7887.56729	8895.07915	7826.09302	6314.44975	5109.2911	4794.0293	6143.41556	7708.57914
320980.332	329541.221	299181.391	239335.359	243382.571	208128.27	224186.006	285098.765
53039.6715	27375.3819	33329.0112	24833.5012	69819.9523	45275.0943	15494.1791	23238.3315
267940.661	302165.839	265852.38	214501.858	173562.619	162853.175	208691.827	261860.433

162569.117	168874.304	139529.852	158800.939	160652.157	164390.208	122679.775	108445.586
644.776378	748.007008	631.08753	630.091163	533.870711	576.354964	515.55875	464.469057
3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606	2394.68623	2116.83752
126642.711	120830.76	101360.496	117657.887	151904.077	138779.826	86611.2702	78772.8862
3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606	2394.68623	2116.83752

9.4444	9.364757	8.105942	9.225489	8.908806	9.550196	7.127042	5.752275
-35926.406	-48043.544	-38169.356	-41143.052	-8748.0804	-25610.382	-36068.505	-29672.7
-35926.406	-48043.544	-38169.356	-41143.052	-8748.0804	-25610.382	-36068.505	-29672.7
3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606	2394.68623	2116.83752
162569.117	168874.304	139529.852	158800.939	160652.157	164390.208	122679.775	108445.586
35926.4056	48043.5439	38169.3562	41143.0516	8748.08041	25610.3825	36068.5053	29672.7
35926.4056	48043.5439	38169.3562	41143.0516	8748.08041	25610.3825	36068.5053	29672.7
85324.867	77401.2463	74616.1593	83455.7136	106260.836	96287.3501	80363.1656	77842.6558
162569.117	168874.304	139529.852	158800.939	160652.157	164390.208	122679.775	108445.586
162569.117	168874.304	139529.852	158800.939	160652.157	164390.208	122679.775	108445.586
3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606	2394.68623	2116.83752
162569.117	168874.304	139529.852	158800.939	160652.157	164390.208	122679.775	108445.586
162569.117	168874.304	139529.852	158800.939	160652.157	164390.208	122679.775	108445.586
3173.3187	3296.39476	2723.59656	3099.76456	3135.9	3208.86606	2394.68623	2116.83752
126642.711	120830.76	101360.496	117657.887	151904.077	138779.826	86611.2702	78772.8862
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162569.117	168874.304	139529.852	158800.939	160652.157	164390.208	122679.775	108445.586

265686.822	285724.733	214302.668	195291.135	155651.727	149149.65	194942.235	286882.369
1051.71512	1263.48431	969.435763	779.40498	524.863586	528.476915	826.117947	1231.76737
3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146	2530.07443	3723.32731
138040.332	136798.423	104290.068	92855.2315	91481.4122	81036.1519	88624.0493	137911.903
3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146	2530.07443	3723.32731
10.262616	10.534951	8.277813	7.54346	5.739031	5.761165	7.529983	10.117737
-127646.49	-148926.31	-110012.6	-102435.9	-64170.315	-68113.498	-106318.19	-148970.47
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3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146	2530.07443	3723.32731
265686.822	285724.733	214302.668	195291.135	155651.727	149149.65	194942.235	286882.369
127646.49	148926.31	110012.6	102435.903	64170.3149	68113.4981	106318.185	148970.466
127646.49	148926.31	110012.6	102435.903	64170.3149	68113.4981	106318.185	148970.466
85324.867	79914.9859	74616.1593	85565.8926	103360.963	93032.3345	79796.7226	86195.3528
265686.822	285724.733	214302.668	195291.135	155651.727	149149.65	194942.235	286882.369
265686.822	285724.733	214302.668	195291.135	155651.727	149149.65	194942.235	286882.369
3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146	2530.07443	3723.32731
265686.822	285724.733	214302.668	195291.135	155651.727	149149.65	194942.235	286882.369
265686.822	285724.733	214302.668	195291.135	155651.727	149149.65	194942.235	286882.369
3448.23909	3708.30283	2781.34546	2534.60266	2020.13922	1935.75146	2530.07443	3723.32731
138040.332	136798.423	104290.068	92855.2315	91481.4122	81036.1519	88624.0493	137911.903
-127646.49	-148926.31	-110012.6	-102435.9	-64170.315	-68113.498	-106318.19	-148970.47
265686.822	285724.733	214302.668	195291.135	155651.727	149149.65	194942.235	286882.369

970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357
3842.57809	4710.96932	4031.14144	3136.60159	2235.79525	2267.42615	3129.01986	3969.88157
21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965	16540.579	20416.1005
871387.888	880160.315	770996.044	663378.929	702949.219	612960.252	599182.205	755739.332
20.618134	27.732097	18.008347	28.688588	18.324093	18.665761	23.85459	14.342408
0.618544	4.159814	8.463923	5.450831	0.549722	0.186657	1.669821	0.143424

21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965	16540.579	20416.1005
64.076989	67.636855	60.399203	52.321452	42.061052	42.265168	49.227913	55.478534
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-99249.578	-185743.77	-120876.34	-125338.26	35607.8568	-30051.938	-141047.86	-169894.02
21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965	16540.579	20416.1005
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357
99249.5777	185743.771	120876.337	125338.26	-35607.857	30051.9375	141047.856	169894.025
99249.5777	185743.771	120876.337	125338.26	-35607.857	30051.9375	141047.856	169894.025
0.21	1.26	6.94	1.73	0.15	0.09	0.96	0.06
341299.468	317231.72	298464.637	340906.548	422143.47	381894.385	320886.219	336428.714
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357
21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965	16540.579	20416.1005
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357
21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965	16540.579	20416.1005
871387.888	880160.315	770996.044	663378.929	702949.219	612960.252	599182.205	755739.332
-99249.578	-185743.77	-120876.34	-125338.26	35607.8568	-30051.938	-141047.86	-169894.02
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357

11.066717	11.074982	11.207618	11.012794	10.961817	11.058532	11.47351	10.972708
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0.395419	0.297349	0.267893	0.361546	0.461052	0.425793	0.295478	0.406491
3519386.21	2980874.11	2886137.85	3363517.98	5243793.89	4282482.98	2960846.05	3198623.41
2727768.19	2636625.95	2252378.9	2730893.04	3546266.97	3067586.49	2123833.91	2757613.34
10735.2086	11605.1546	10145.8164	10647.3135	11652.7811	10656.9741	8906.43605	11778.1224
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3089754.23	3236885.38	3089754.23	3089754.23	3236885.38	3089754.23	3089754.23	3384016.53
0.032391	0.035751	0.035148	0.035719	0.035759	0.034872	0.033752	0.034407
532223.439	418652.369	366155.193	484412.212	647998.657	572975.22	410265.304	595727.717
877827.394	732534.85	735495.365	815606.574	1166139.4	990039.79	740669.035	931584.514
2.932496	2.897275	3.126333	3.006314	3.019613	2.95911	2.935191	2.915219
764997.594	554535.236	516108.933	703206.798	872959.515	787764.865	580774.429	863304.137
8509.16799	21508.1787	19118.2218	26150.6902	68786.3052	43260.8921	9304.24754	5948.39117
118945.32	105335.468	99586.446	112070.781	124340.686	118516.885	116619.376	130043.829
354.003928	299.248488	296.388232	333.543991	353.240585	352.728824	347.081476	353.37997
123345.6	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
48773.286	38423.274	33043.542	44595.224	59576.814	52519.804	36445.932	54914.01
255.884808	193.466494	187.600185	235.711353	300.018596	262.948883	248.794473	182.596745
33.891016	33.482822	36.701325	34.673641	34.76043	34.266511	35.065375	33.468521
1758301.02	1382934.46	1341360.62	1628980.09	2185190.42	1903802.46	1415360.32	1922608.95
2931685.38	2043330.69	2484062.82	2485861.11	3935043.93	3269080.26	3107177.43	2708594.2
85324.867	79957.7439	74616.1593	85942.4711	106260.836	96287.3501	80363.1656	86195.3528
1173384.36	660396.228	1142702.2	856881.016	1749853.5	1365277.8	1691817.11	785985.253

3803073.27	2923491	3255058.86	3149240.04	4637993.14	3882040.51	3706359.63	3464333.54
1384.16	1234.94	917.66	1278.9	1698.81	1483.3	1225.35	1395.14
382627.366	316488.944	350358.194	235527.279	205327.543	225806.025	344865.382	457107.452
31.315021	28.805477	29.632488	29.429639	36.065423	33.149988	28.578057	28.738022
416900.848	534415.204	393090.186	579167.427	935461.491	779470.065	345162.174	402891.028
227.24	260.5	266.4	260.5	286.68	269.94	277.13	220.89
166.086395	167.493264	162.254148	198.065261	233.942789	219.256242	194.406965	160.530228
5.076572	6.977356	5.927257	5.939616	6.931143	6.810016	6.508869	7.067657
21,670	23,954	26,669	27,648	34,741	32,972	32,549	20,189
709583.782	486713.862	763991.815	370048.964	338969.517	387436.974	1096623.77	678154.3
4.167304	6.237216	2.584268	3.414132	2.897862	2.946014	2.224717	6.264955
6,649	6,227	5,391	3,880	2,862	3,406	5,173	9,324
36.99703	35.28143	29.461703	37.941539	49.374347	41.493034	23.696396	33.824166
36.978618	35.246277	29.448148	37.852297	49.304907	41.483484	23.668244	33.78653
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-5783502.3	-5930505.1	-5105148.5	-5940479.6	-6978162.4	-6292583.5	-4684985.3	-6246966.9
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63654.4028	56004.1668	47946.8592	58294.8639	71520.2536	63314.9168	47813.8331	66005.8872
2310867.34	2102210.75	1859288.72	2151725.62	2610805.48	2288116.42	1778671.74	2354722.31
5535005.65	5743107.04	4954066.22	5721729.45	6695217.92	6037011.35	4499831.02	5966548.72
5242322.72	5790808.38	4583164.59	5930847.91	7291709.89	6429044.44	3748369.42	5691285.45
	0.045454	0.116883	0.04329			0.012987	
694405.826	607530.502	530891.329	665917.32	898733.113	799179.048	645268.5	688001.653
5.28	3.59	3.84	4.12	5.9	4.68	6.53	4.24
35886.9986	30689.8133	24298.4687	31231.1154	37565.0644	33381.8643	32441.858	37030.1558
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6496821.35	5617110.76	5270453.18	5999965.41	8379270.21	7084869.77	5301590.72	6327283.89
1642824.99	1287070.09	1251604.3	1518813.37	2039098.92	1777804.65	1321443.46	1794888.65
70303.1546	62231.447	53337.6745	62175.232	74382.3045	66720.9005	52986.511	75330.1105
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6496821.35	5617110.76	5270453.18	5999965.41	8379270.21	7084869.77	5301590.72	6327283.89
79589.0301	65174.56	65457.8558	78935.6049	108526.442	92615.9419	61474.9934	90690.1429
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357
21529.8686	23808.173	20294.1325	17580.008	14805.4905	14201.0965	16540.579	20416.1005
871387.888	880160.315	770996.044	663378.929	702949.219	612960.252	599182.205	755739.332
-99249.578	-185743.77	-120876.34	-125338.26	35607.8568	-30051.938	-141047.86	-169894.02
970637.465	1065904.09	891872.38	788717.189	667341.363	643012.19	740230.061	925633.357

2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06
2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09
-2795491.9	-3236885.4	-3151549.3	-3001475.5	-3301623.1	-3301623.1	-3001475.5	-3301623.1
-2795491.9	-3236885.4	-3151549.3	-3001475.5	-3301623.1	-3301623.1	-3001475.5	-3301623.1
2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09
2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09
2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09
36.939187	37.693077	54.160161	50.472461	41.637341	37.872811	39.178871	38.871561
22.850162	22.850182	23.307244	23.307145	23.307224	23.307185	23.307126	23.307027
36.817142	37.571032	54.036522	50.348822	41.513702	37.749172	39.055232	38.747922
36.911023	37.664913	54.131629	50.443929	41.608809	37.844279	39.150339	38.843029
36.206919	36.960809	53.418328	49.730628	40.895508	37.130978	38.437038	38.129728
36.479173	37.233063	53.694138	50.006438	41.171318	37.406788	38.712848	38.405538
36.892247	37.646137	54.112608	50.424908	41.589788	37.825258	39.131318	38.824008
36.929799	37.683689	54.150651	50.462951	41.627831	37.863301	39.169361	38.862051
21.054286	21.054286	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371
1.15	1.15	1.18	1.18	1.18	1.18	1.18	1.18
36.63877	37.39266	53.85582	50.16812	41.333	37.56847	38.87453	38.56722
5.588416	6.330465	6.380854	6.387152	5.664599	5.077259	4.748478	4.727126
28.70476	29.269193	40.325277	37.867327	31.917041	29.358406	30.201709	29.995048
28.70476	29.269193	40.325277	37.867327	31.917041	29.358406	30.201709	29.995048

			0.27788	0.13894		0.6947	0.13894
			0.001916	0.000255		0.010634	0.001388
			0.001833	0.000227		0.010277	0.001388
			517.863616			254.205508	427.855522
			1.704709			1.114696	1.25632
			13.2	1.8		74	11
0.032993	0.03446	0.03122	0.041031	0.027244	0.037954	0.030593	0.025568
			183.4008	25.0092		1028.156	152.834
			3938.60038	537.081869		22080.0324	3282.16698
			0.455645	0.227822		1.139113	0.227822
			239.686505	32.684523		1343.69708	199.738754
6614.325	7647.075	7323.975	6904.575	7704.225	7619.4	6979.725	7717.5
21.757648	21.724644	21.797544	21.576796	21.887002	21.646022	21.81164	21.924715
6840	7920	7560	7200	7920	7920	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
			13.2	1.8		74	11
			6.401768	3.231657		16.045418	3.177568
			6.401768	3.231657		16.045418	3.177568
			4213.86268	581.698293		23572.4249	3495.32574
			4612.47245	611.557816		40415.5081	4045.91268
			398.609762	29.859523		16843.0832	550.586944
			4612.47245	611.557816		40415.5081	4045.91268
			4.32	1.57		8.67	3.49
			3695.99907	581.698293		23318.2194	3067.47021
			3991.37999	611.557816		40131.5611	3547.36154
			0.395005	0.2		1	0.19701
			11.570252	1.8		73.2	9.653512
			320.960471			336.648792	320.771016
			3.209604			3.366487	3.20771
			13.2	1.8		74	11
			0.04125	0.005113		0.23125	0.03125
			398.609762	29.859523		16843.0832	550.586944
			398.609762	29.859523		16843.0832	550.586944
			1.629747			0.8	1.346487
			517.863616			254.205508	427.855522
			0.35	0.07		0.5	0.14
			-398.60976	-29.859523		-16843.083	-550.58694
			-4389.9898	-641.41734		-56974.644	-4097.9485
			0.02			0.01	0.02
			192.1235	24.8081		845.8388	176.7099
			0.02	0.01		0.06	
			19.4718	9.7359		58.4154	
			4213.86268	581.698293		23572.4249	3495.32574
			4213.86268	581.698293		23572.4249	3495.32574
			4178.28688	569.766393		23423.7295	3481.90574

			13.2	1.8		74	11
			19.4718	9.7359		58.4154	
			4213.86268	581.698293		23572.4249	3495.32574
			16.104	2.196		90.279999	13.42
3.86179	2.8257	5.463019	6.21654	4.80369	5.6514	3.10827	4.89788
0.114652	0.112732	0.275775	0.233921	0.186195	0.164357	0.180231	0.209185
0.111611	0.110482	0.266755	0.225468	0.182471	0.16	0.175875	0.203096
37053.6463	119297.761	207144.695	139559.854	55556.7279	25423.0731	62642.5141	114327.408
142.931918	388.083987	686.818829	476.554212	207.570114	107.140552	271.274648	393.26861
1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42
0.037269	0.02517	0.026726	0.03125	0.026107	0.025937	0.031156	0.034431
18536.0269	21245.6848	48965.0483	39415.6893	35088.9775	30767.7286	30745.8766	39055.13
118592.387	144103.475	301509.992	242707.543	200210.275	162184.24	152618.974	193489.14
2.432172	1.99613	3.221688	3.529105	2.821395	3.083338	1.619019	2.550714
5020.47247	15543.7604	29220.7591	19804.7173	8345.95186	4074.17891	10628.7991	19396.5569
16974.86	19902.12	18967.16	17980	19882.98	19886.46	17981.74	19713.04
55.838355	56.540113	56.44988	56.1875	56.485738	56.495625	56.192937	56.002954
17632	20416	19488	18560	20416	20416	18560	20416
58	58	58	58	58	58	58	58
1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42
26.57114	21.467521	35.325707	38.933994	31.046793	34.370915	18.128243	28.562784
26.57114	21.467521	35.325707	38.933994	31.046793	34.370915	18.128243	28.562784
135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719
184744.331	231237.45	592649.327	477461.288	361045.764	267964.84	420144.586	374604.195
49465.3479	68057.0427	246549.708	198834.544	128857.001	77634.9682	239507.151	145419.476
184744.331	231237.45	592649.327	477461.288	361045.764	267964.84	420144.586	374604.195
83.49	91.8	229.58	223.77	183.53	182.25	103.9	157.04
98225.3371	43882.6456	138954.924	139066.89	176632.036	164906.799	117994.921	114857.312
134035.124	61889.2533	236491.005	231825.467	275424.895	231424.715	279759.022	175955.219
19.85612	7.401766	19.446312	23.262531	24.28181	31.03625	15.718321	20.378572
1434.92456	605.364096	2096.21926	2082.06518	2839.26379	2834.01101	2135.79758	2087.11892
67.003324	74.260777	62.915875	60.722171	62.865993	58.467361	56.760318	56.324013
25.398581	22.275465	35.855966	40.054643	32.039044	31.480544	17.023407	29.245801
1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42
6.473486	6.408011	15.471845	13.077187	10.583352	9.28	10.20075	11.779602
49465.3479	68057.0427	246549.708	198834.544	128857.001	77634.9682	239507.151	145419.476
49465.3479	68057.0427	246549.708	198834.544	128857.001	77634.9682	239507.151	145419.476
533.015444	1650.2559	3102.32074	2102.63482	886.076213	432.548986	1128.44242	2059.30108
37053.6463	119297.761	207144.695	139559.854	55556.7279	25423.0731	62642.5141	114327.408
16.33	12.18	19.94	20.65	21.81	26.18	15.6	20.96
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-183500.47	-129946.3	-483040.71	-430660.01	-404281.9	-309059.68	-519266.17	-321374.69
2.68	9.26	8.49	5.2	2.95	1.5	4.52	6.34
8656.0012	11876.4788	26757.2159	20841.391	16788.135	13189.4953	12915.7199	19795.4333
0.49	0.45	0.55	0.5	0.45	0.63	0.39	0.73
214.9385	197.3925	246.081	223.71	201.339	281.8746	174.4938	326.6166

135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719
135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719
118592.387	144103.475	301509.992	242707.543	200210.275	162184.24	152618.974	193489.14
1967.94	2255.62	5198.54	4184.7	3725.34	3266.56	3264.24	4146.42
214.9385	197.3925	246.081	223.71	201.339	281.8746	174.4938	326.6166
135278.983	163180.407	346099.619	278626.744	232188.764	190329.872	180637.435	229184.719
16471.6578	18879.5394	44343.5462	35695.491	31777.1502	27863.7568	27843.9672	35368.9626
		0.05	0.19	0.14			
11.004628	11.042983	10.910098	10.924751	10.985684	10.944091	11.16331	11.043948
0.665529	0.65519	0.736564	0.72021	0.676695	0.682244	0.595014	0.646637
0.641548	0.633941	0.71255	0.698327	0.653439	0.65632	0.572451	0.623597
658940.323	826026.461	885546.351	818565.33	782334.835	669578.271	616584.842	788008.088
2588.86656	2747.41968	2964.78623	2854.77797	3027.28002	2880.75252	2718.04087	3022.47041
21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206
0.036776	0.033721	0.032738	0.034031	0.033806	0.039147	0.04	0.03659
235270.862	269599.015	286407.264	267766.038	277269.49	278171.901	223385.882	265559.751
272177.816	310914.992	337689.01	316030.163	327727.349	328593.891	265968.424	314989.934
2.9262	2.9262	2.9835	2.9835	2.9835	2.9835	2.9835	2.9835
417888.104	478861.771	516535.501	482916.049	500055.526	501683.023	402876.438	478937.011
32503.02	37754.43	36075	34311.21	37751.1	37542.42	34099.2	37642.32
106.917828	107.256903	107.366071	107.222531	107.247443	106.654602	106.56	106.938409
33744	39072	37296	35520	39072	39072	35520	39072
111	111	111	111	111	111	111	111
21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206
34.160868	34.282263	34.478832	34.566534	34.671331	34.592498	35.325951	34.911247
33.803664	33.919393	34.190698	34.234833	34.413482	34.290108	34.933537	34.581659
731431.009	836673.912	904191.197	846008.963	875260.914	879147.204	708402.505	840786.683
968439.656	1162559.27	1744460.74	1548162.59	1311797.25	1160153.22	1132526.33	1193071.21
237008.647	325885.357	840269.538	702153.623	436536.338	281006.015	424123.829	352284.525
968439.656	1162559.27	1744460.74	1548162.59	1311797.25	1160153.22	1132526.33	1193071.21
292.82	340.13	325	309.11	340.1	338.22	307.2	339.12
65979.566	3628.97143	12261.6062	21060.393	87319.1786	202754.392	85606.9431	45877.795
113068.398	6116.62829	28441.7126	45246.0697	169202.171	330707.063	216987.966	76350.2769
20.73834	6.233357	8.464541	12.592743	21.373081	38.448376	22.613143	16.56403
2014.26748	111.323108	371.231506	636.350304	2623.98144	6113.24913	2559.55578	1377.45849
27.978709	31.78741	33.018146	32.502098	27.930698	27.340206	21.586762	26.3438
27.955543	31.785326	33.014044	32.494983	27.905907	27.256949	21.550282	26.321023
21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206
71.211934	70.3675	79.093071	77.514312	72.531767	72.851562	63.542156	69.219335
114032.568	184965.952	690564.461	562192.315	291607.576	135605.563	307360.029	213476.443
114032.568	184965.952	690564.461	562192.315	291607.576	135605.563	307360.029	213476.443
19634.1605	24658.0369	26204.0405	24168.2297	22907.2006	19530.5009	17773.9342	22987.7475
658940.323	826026.461	885546.351	818565.33	782334.835	669578.271	616584.842	788008.088
32.59	4.85	10.84	14.18	32.41	46.95	13.21	15.71
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194.96	283.93	212.98	207.42	211.67	177.41	213.08	227.01
72002.8679	99141.178	94528.9585	86276.0255	85344.9366	76130.727	67503.1536	85570.7804
0.77	0.83	0.74	0.74	0.65	0.79	0.72	0.8
6511.12	7018.48	6383.24	6383.24	5606.9	6814.54	6210.72	6900.8
854407.089	977593.318	1053896.27	985970.271	1020189.68	1024547.66	825166.306	979594.765
854407.089	977593.318	1053896.27	985970.271	1020189.68	1024547.66	825166.306	979594.765
690065.92	789776.763	854224.511	798946.212	827782.875	830276.914	668844.862	793926.945
21648.428	24769.36	26575.272	24804.58	25531.182	25643.75	20333.49	24365.206
6511.12	7018.48	6383.24	6383.24	5606.9	6814.54	6210.72	6900.8
854407.089	977593.318	1053896.27	985970.271	1020189.68	1024547.66	825166.306	979594.765
34853.9691	39878.6696	43583.4461	40679.5112	41871.1385	42055.75	33346.9236	39958.9378
23.6	2.8	5.96	8.36	25.72	50.54	17.49	18.31
	0.15		0.3	0.15		0.75	0.15
	0.000028		0.000937	0.000065		0.010172	0.001107
	0.000028		0.000937	0.000056		0.010156	0.001107
			51.260111			30.756066	36.390462
			0.169652			0.135562	0.109224
	0.03		0.9	0.06		9.75	1.17
0.020098	0.02946	0.034136	0.024968	0.027642	0.042613	0.026687	0.030681
	0.45		13.5	0.9		146.25	17.55
	9.474428		289.917519	19.327834		3140.77313	376.892775
	0.223355		0.455645	0.227822		1.139113	0.227822
	0.576585		17.64315	1.17621		191.134124	22.936095
893.67	1024.89	973.59	936.03	1026.81	1011	934.38	1023.6
2.939703	2.911619	2.897589	2.925093	2.917073	2.872159	2.919937	2.907954
912	1056	1008	960	1056	1056	960	1056
3	3	3	3	3	3	3	3
	0.03		0.9	0.06		9.75	1.17
	3.350337		6.834681	3.41734		17.086703	3.41734
	3.350337		6.834681	3.41734		17.086703	3.41734
	10.051013		307.560669	20.504044		3331.90726	399.82887
	10.187275		336.464714	21.726143		5617.73453	448.681302
	0.136261		28.904044	1.222098		2285.82727	48.852431
	10.187275		336.464714	21.726143		5617.73453	448.681302
	0.01		0.3	0.02		3.25	0.39
	10.051013		256.300558	20.504044		3301.15119	363.438408
	10.187275		275.710505	21.726143		5585.27077	407.629746
	0.03		0.06	0.03		0.15	0.029542
	0.03		0.75	0.06		9.66	1.063512
							341.734077
							3.41734
	0.03		0.9	0.06		9.75	1.17
	0.000085		0.002812	0.00017		0.030468	0.003323
	0.136261		28.904044	1.222098		2285.82727	48.852431
	0.136261		28.904044	1.222098		2285.82727	48.852431

		0.15			0.09	0.106487	
		51.260111			30.756066	36.390462	
	-0.136261	-28.904044	-1.222098		-2285.8273	-48.852431	
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	3.2038	87.7311	5.8309		742.396	126.5763	
	0.01	0.15	0.02		0.39	0.12	
	10.051013	307.560669	20.504044		3331.90726	399.82887	
	10.051013	307.560669	20.504044		3331.90726	399.82887	
	10.051013	307.560669	20.504044		3331.90726	399.82887	
	0.03	0.9	0.06		9.75	1.17	
	10.051013	307.560669	20.504044		3331.90726	399.82887	
11.51347	11.537601	11.45219	11.45914	11.503538	11.406066	11.869631	11.6078
0.745237	0.731019	0.784841	0.773954	0.74761	0.764599	0.625832	0.716643
0.709992	0.573113	0.751817	0.74232	0.715889	0.726421	0.386505	0.682017
244163.371	228428.572	289174.478	272387.994	290357.861	293466.012	145823.462	278605.945
962.701921	755.113191	968.894034	951.21536	1129.11083	1269.20314	643.894827	1077.38894
9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01
0.04898	0.042187	0.042232	0.042875	0.043125	0.050539	0.044437	0.04821
105246.492	98497.105	122491.7	115394.141	122932.952	124304.425	61597.1717	117785.049
121373.043	113524.46	144366.634	135990.612	145098.663	146545.032	73158.2656	139492.641
2.2241	2.2241	2.2673	2.267299	2.2673	2.2673	2.267299	2.2673
113045.257	105795.74	133185.225	125468.05	133664.999	135156.202	66974.6048	128067.684
12431.73	11857.25	13837.83	13170.04	14483.26	14371.03	8497.23	14406.29
40.893848	33.685369	41.184017	41.156375	41.145625	40.826789	26.553843	40.92696
13072	15136	14448	13760	15136	15136	13760	15136
43	43	43	43	43	43	43	43
9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01
27.163626	27.156644	27.455103	27.511505	27.619629	27.449816	28.653655	27.879624
26.650392	26.703826	27.038035	27.055904	27.148472	26.929615	27.966237	27.376702
247969.74	231858.487	293142.304	276355.821	294880.33	298543.123	148980.657	283213.743
389892.761	381263.272	680019.743	599649.085	520938.206	465499.361	282461.977	472233.869
141923.022	149404.784	386877.439	323293.264	226057.876	166956.238	133481.32	189020.126
389892.761	381263.272	680019.743	599649.085	520938.206	465499.361	282461.977	472233.869
289.11	275.75	321.81	306.28	336.82	333.91	197.61	335.03
33.943261	28.432454	36.833712	37.725433	33.454158	31.136688	31.417201	27.461289
9.16468	5.402166	6.261731	7.545086	9.367164	8.406905	3.455892	5.492257
9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01
30.529671	24.643863	32.328154	31.919781	30.783238	31.236136	16.619718	29.326732
86910.6803	97920.3477	322851.028	262976.747	161800.821	101982.315	101284.478	127453.881
86910.6803	97920.3477	322851.028	262976.747	161800.821	101982.315	101284.478	127453.881

9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01
244163.371	228428.572	289174.478	272387.994	290357.861	293466.012	145823.462	278605.945
-141923.02	-149404.78	-386877.44	-323293.26	-226057.88	-166956.24	-133481.32	-189020.13
-141923.02	-149404.78	-386877.44	-323293.26	-226057.88	-166956.24	-133481.32	-189020.13
3.33	2.13	2.1	2.21	2.52	2.95	0.99	1.77
	0.181818					0.35	
70267.9052	79012.4104	92569.4824	84701.3112	83423.5929	74030.2071	41977.6218	84013.7507
0.91	0.82	0.93	0.93	1.06	1.19	0.74	1.08
3806.36893	3429.91486	3967.8264	3967.8264	4522.4688	5077.1112	3157.1952	4607.7984
302982.081	283342.924	357168.715	336672.338	359137.384	363517.046	181177.499	344779.989
302982.081	283342.924	357168.715	336672.338	359137.384	363517.046	181177.499	344779.989
234418.3	219320.2	277551.859	261458.661	278763.662	281701.233	140132.87	267560.324
9281.02	8674.64	10862.26	10214.33	10835.7	10995.12	5318.31	10323.01
3806.36893	3429.91486	3967.8264	3967.8264	4522.4688	5077.1112	3157.1952	4607.7984
302982.081	283342.924	357168.715	336672.338	359137.384	363517.046	181177.499	344779.989
9745.071	9108.372	11622.6182	10929.3331	11594.199	11764.7784	5690.5917	11045.6207
	0.15		0.3	0.15		0.75	0.15
	0.000028		0.000718	0.000085		0.010046	0.001138
	0.000028		0.000593	0.000085		0.009906	0.001051
						30.756066	10.252022
						0.135562	0.028339
	0.03		0.57	0.09		9.51	1.11
0.037006	0.035028	0.024345	0.031843	0.033096	0.027812	0.024781	0.043295
	0.45		8.55	1.35		142.65	16.65
	9.474428		183.614429	28.991751		3063.46179	357.564941
	0.223355		0.455645	0.227822		1.139113	0.227822
	0.576585		11.173995	1.764315		186.429284	21.759885
878.25	1019.01	983.46	929.43	1021.05	1026.63	936.21	1010.28
2.88898	2.894914	2.926964	2.904468	2.90071	2.916562	2.925656	2.870113
912	1056	1008	960	1056	1056	960	1056
3	3	3	3	3	3	3	3
	0.03		0.57	0.09		9.51	1.11
	3.350337		6.834681	3.41734		17.086703	3.41734
	3.350337		6.834681	3.41734		17.086703	3.41734
	10.051013		194.788424	30.756066		3249.89108	379.324826
	10.187275		208.459367	32.881416		5524.01127	427.067381
	0.136261		13.670943	2.125349		2274.12019	47.742554
	10.187275		208.459367	32.881416		5524.01127	427.067381
	0.01		0.19	0.03		3.17	0.37
	10.051013		194.788424	30.756066		3219.13501	369.072803
	10.187275		208.459367	32.881416		5491.54751	414.663317
	0.03		0.06	0.03		0.15	0.03
	0.03		0.57	0.09		9.42	1.08
						360.965229	
						3.609652	

	0.03		0.57	0.09		9.51	1.11
	0.000085		0.001781	0.000255		0.029718	0.003153
	0.136261		13.670943	2.125349		2274.12019	47.742554
	0.136261		13.670943	2.125349		2274.12019	47.742554
						0.09	0.03
						30.756066	10.252022
						0.05	0.08
	-0.136261		-13.670943	-2.125349		-2274.1202	-47.742554
	-10.323536		-222.13031	-35.006765		-7765.6677	-462.40587
						0.03	
	3.2038		54.1036	8.4909		723.3892	120.3141
	0.01		0.11	0.03		0.38	0.11
	10.051013		194.788424	30.756066		3249.89108	379.324826
	10.051013		194.788424	30.756066		3249.89108	379.324826
	10.051013		194.788424	30.756066		3249.89108	379.324826
	0.03		0.57	0.09		9.51	1.11
	10.051013		194.788424	30.756066		3249.89108	379.324826

3.393996	2.969713	6.260847	7.125557	4.847946	5.38178	3.842523	6.406572
0.045079	0.045573	0.179242	0.139447	0.104766	0.075186	0.107496	0.120173
0.043605	0.044931	0.171666	0.136018	0.101426	0.074261	0.103925	0.11792
4530.30495	19732.486	47879.749	27837.0779	9729.70442	3505.68254	12806.6439	30647.2802
17.519577	63.299403	158.897452	94.651125	36.340336	14.531703	54.740472	102.804907
662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4
0.032894	0.027471	0.029806	0.030781	0.023238	0.032173	0.032312	0.019261
9474.8	11306.4	41642	31382.3	25691.9	18697	23989.6	29862.6
61141.604	78087.7859	253286.483	190627.161	144275.7	99507.1138	119778.24	148535.741
1.450003	1.393361	2.392111	2.613218	1.887952	1.955877	1.327252	2.2223
688.62525	2852.8154	7972.99819	4644.40646	1672.82675	646.24787	2536.34024	6158.44246
14741.4	17094.3	16273.9	15494.3	17208.4	16999.1	15456	17260.1
48.491447	48.563352	48.434226	48.419687	48.8875	48.292897	48.3	49.034375
15200	17600	16800	16000	17600	17600	16000	17600
50	50	50	50	50	50	50	50
662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4
33.37766	32.808845	59.85878	70.50676	52.269876	49.388226	32.830985	57.404933
20.653427	19.899236	34.279826	37.460209	27.004788	27.917579	19.019363	31.881126
61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409
76649.5946	103130.618	381968.696	299988.042	203985.178	130599.73	284808.619	228917.708
15321.9037	24844.9545	127695.434	108822.449	59277.4332	30806.0818	164473.787	79749.2989
76649.5946	103130.618	381968.696	299988.042	203985.178	130599.73	284808.619	228917.708
84.98	98.49	244.72	276.51	216.04	158.25	133.86	232.04
56797.386	58553.1779	206393.513	163328.516	134978.041	96287.9652	107528.188	118521.129
70856.6191	76909.9582	309715.804	253628.343	190831.221	126116.495	256259.375	178739.173
5.310002	3.895603	9.218099	10.920476	7.817601	8.646411	5.753463	9.534434
614.106069	588.480567	2322.93558	1848.29764	1666.74837	1261.13756	1483.2536	1641.13692
96.336645	104.274129	88.979937	88.860321	86.893327	78.363362	78.397332	80.030288
12.523763	21.891489	36.444901	39.046644	26.936931	12.538137	18.772619	31.976668

662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4
2.180263	2.24659	8.583333	6.800937	5.071306	3.713068	5.19625	5.896022
15321.9037	24844.9545	127695.434	108822.449	59277.4332	30806.0818	164473.787	79749.2989
15321.9037	24844.9545	127695.434	108822.449	59277.4332	30806.0818	164473.787	79749.2989
48.69393	202.319432	561.064416	328.002363	118.351632	45.862436	179.546403	434.263083
4530.30495	19732.486	47879.749	27837.0779	9729.70442	3505.68254	12806.6439	30647.2802
9.37	10.65	44.82	33.57	28.58	19.23	24.29	30.36
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-86178.523	-101754.91	-437411.24	-362450.79	-250108.65	-156922.58	-420733.16	-258488.47
0.38	1.48	4.28	1.94	0.8	0.19	0.96	3.13
5495.0549	7867.4517	30968.6452	22387.2327	16308.7139	10058.902	13624.0321	20226.199
0.17	0.18	0.69	0.24	0.2	0.19	0.41	0.43
107.847	103.798	471.939	166.699	147.175	124.274	267.696	304.488
61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409
61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409
61141.604	78087.7859	253286.483	190627.161	144275.7	99507.1138	119778.24	148535.741
662.8	790.8	2884	2176.3	1785.1	1307	1662.8	2075.4
107.847	103.798	471.939	166.699	147.175	124.274	267.696	304.488
61327.691	78285.6639	254273.262	191165.594	144707.745	99793.6478	120334.832	149168.409
78.24	94.08	514.839999	371.734	284.87	162.26	288.895999	328.18
			0.05	0.02			
	0.15		0.3	0.15		0.75	0.15
	0.000028		0.000937	0.000085		0.010071	0.001009
	0.000028		0.000937	0.000085		0.009906	0.00088
			68.346815				41.008089
			0.226203				0.125104
	0.04		1.2	0.12		12.68	1.24
0.026381	0.030511	0.031577	0.032	0.023295	0.023579	0.034562	0.029318
	0.6		18	1.8		190.2	18.6
	12.632571		386.556693	38.655669		4084.61573	399.441916
	0.223355		0.455645	0.227822		1.139113	0.227822
	0.76878		23.5242	2.35242		248.57238	24.30834
1183.92	1365.04	1301.56	1239.04	1375.2	1374.8	1235.76	1366.72
3.894473	3.877954	3.87369	3.872	3.906818	3.905681	3.86175	3.882727
1216	1408	1344	1280	1408	1408	1280	1408
4	4	4	4	4	4	4	4
	0.04		1.2	0.12		12.68	1.24
	3.350337		6.834681	3.41734		17.086703	3.41734
	3.350337		6.834681	3.41734		17.086703	3.41734
	13.401351		410.080893	41.008089		4333.18811	423.750256
	13.583033		448.619619	43.841888		7371.3822	464.529385
	0.181682		38.538725	2.833799		3038.19409	40.779129
	13.583033		448.619619	43.841888		7371.3822	464.529385
	0.01		0.3	0.03		3.17	0.31
	13.401351		341.734077	41.008089		4333.18811	382.742167
	13.583033		367.614007	43.841888		7371.3822	419.172072

	0.04		0.08	0.04	0.2	0.04	
	0.04		1	0.12	12.68	1.12	
			405.284847			378.2344	
			4.052848			3.782344	
	0.04		1.2	0.12	12.68	1.24	
	0.000113		0.00375	0.00034	0.039625	0.003522	
	0.181682		38.538725	2.833799	3038.19409	40.779129	
	0.181682		38.538725	2.833799	3038.19409	40.779129	
			0.2			0.12	
			68.346815			41.008089	
	0.01		0.24	0.02	3.14	0.28	
	-0.181682		-38.538725	-2.833799	-3038.1941	-40.779129	
	-13.764715		-406.15273	-46.675687	-10409.576	-459.9512	
			0.05			0.03	
	3.2038		87.7311	8.4909	724.4085	101.1186	
	0.01		0.15	0.03	0.37	0.1	
	13.401351		410.080893	41.008089	4333.18811	423.750256	
	13.401351		410.080893	41.008089	4333.18811	423.750256	
	13.401351		410.080893	41.008089	4333.18811	423.750256	
	0.04		1.2	0.12	12.68	1.24	
	13.401351		410.080893	41.008089	4333.18811	423.750256	
10.473165	10.51167	10.361153	10.370003	10.433462	10.35822	10.693173	10.526734
0.562309	0.549093	0.643122	0.609781	0.571648	0.574241	0.464469	0.53144
0.533039	0.519899	0.608352	0.575716	0.544144	0.540299	0.304553	0.506231
291221.156	328941.818	370431.295	334924.964	349701.139	347115.478	180779.454	327657.084
1147.66922	1094.25825	1242.73078	1169.79622	1357.88624	1498.43116	797.053593	1256.10208
9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134
0.057072	0.058721	0.053392	0.056843	0.050454	0.059204	0.063843	0.050482
97119.4156	109853.768	121576.665	109853.994	114678.492	113839.04	59097.1726	107226.609
112687.837	126982.336	143398.673	129798.099	135616.69	134735.131	70513.8985	127496.728
2.9367	2.9367	2.9942	2.9942	2.9942	2.9942	2.9942	2.9942
173523.26	196275.728	220564.386	199297.117	208049.72	206526.787	107214.09	194530.515
16797.69	19415.938	18638.316	17686.066	19586.464	19405.976	12274.356	19585.878
55.255559	55.158914	55.471178	55.268956	55.643363	55.130613	38.357362	55.641698
17814.4	20627.2	19689.6	18752	20627.2	20627.2	18752	20627.2
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134
35.149944	34.719542	34.405843	34.82592	35.685958	34.457693	37.531898	35.08883
31.277464	31.393248	31.563484	31.591702	31.777371	31.552364	32.543809	32.049275
315341.447	353608.642	394043.139	359117.427	375468.242	371666.151	197649.876	348761.822
453492.916	534919.664	834427.658	695153.123	616476.425	530757.826	364525.102	556376.69
138151.469	181311.022	440384.519	336035.697	241008.182	159091.674	166875.225	207614.868
453492.916	534919.664	834427.658	695153.123	616476.425	530757.826	364525.102	556376.69
286.65	331.33	318.06	301.81	334.24	330.51	209.46	334.23
22.701499				26.323054	164.671028	32.468494	8.910485
25.173777				30.933043	204.749459	47.311293	14.957678

0.680978				0.763567	3.500575	0.943319	0.258495
0.680978				0.763567	4.824969	0.943319	0.258495
34.602741	31.861976	35.915353	36.07449	33.962421	32.326169	24.867448	30.154288
27.625757	27.4013	24.063286	26.695122	28.865495	27.416804	15.169143	25.027813
9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134
31.236098	30.46609	35.649452	33.736968	31.886846	31.661568	17.846837	29.665153
87387.1509	123890.458	376836.397	278615.014	181065.734	99588.0078	135985.133	151567.519
87387.1509	123890.458	376836.397	278615.014	181065.734	99588.0078	135985.133	151567.519
9495.09302	10724.064	11978.216	10795.83	11223.4064	11140.047	5710.04468	10441.8755
291221.156	328941.818	370431.295	334924.964	349701.139	347115.478	180779.454	327657.084
0.02				0.01	0.09		0.01
-138151.47	-181311.02	-440384.52	-336035.7	-241008.18	-159091.67	-166875.23	-207614.87
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15	18.46	11.79	14.1	14.28	16.27	11.04	16.03
						0.3	
65772.8851	90293.6444	86164.6473	77453.0026	77445.0203	69147.0099	42673.6724	79126.8064
1.27	1.3	1.22	1.25	1.33	1.26	0.87	1.09
24097.5896	24666.824	23611.8434	24192.4625	25740.7801	24386.0022	16837.9539	21095.8273
366105.766	411029.207	457591.261	416538.109	435410.69	431169.818	228539.968	404809.171
366105.766	411029.207	457591.261	416538.109	435410.69	431169.818	228539.968	404809.171
286211.097	323258.064	363963.058	329095.216	343666.411	341261.918	177727.989	322027.242
9495.774	10724.064	11978.216	10795.83	11224.17	11144.872	5710.988	10442.134
24097.5896	24666.824	23611.8434	24192.4625	25740.7801	24386.0022	16837.9539	21095.8273
366105.766	411029.207	457591.261	416538.109	435410.69	431169.818	228539.968	404809.171
5032.76022	5683.75392	6468.23664	5829.7482	6061.0518	6018.23088	3083.93352	5638.75236
0.05				0.05	0.26	0.05	0.03
2.4	2.4	6.15	6.75	4.5	4.5	3.6	6
0.039732	0.03918	0.169323	0.132203	0.098097	0.067247	0.098843	0.110074
0.039276	0.038551	0.168422	0.13025	0.092982	0.065795	0.095281	0.106846
942.162775	2326.93031	8528.23674	4216.67396	1182.71718	453.475069	985.337159	4903.08763
3.628215	7.518471	28.431142	14.208621	4.38809	1.853692	4.207297	16.361231
167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54
0.022401	0.018778	0.012946	0.025625	0.030852	0.033664	0.034093	0.02713
2507.4	2849.7	11883.9	8752.8	6873.3	4863.6	6402.9	7898.1
16300.6316	19725.7165	72833.1488	53066.1062	38496.1807	25983.9916	32033.0784	39230.1058
1.002854	1.071901	2.223831	2.367617	1.652615	1.555505	1.189885	1.975675
140.151536	335.375207	1413.21115	701.903891	201.091844	83.9293	193.444596	993.164095
4160.66	4835.46	4643.1	4365.2	4775.96	4762.1	4327.26	4794.3
13.686381	13.737102	13.81875	13.64125	13.568068	13.528693	13.522687	13.62017
4256	4928	4704	4480	4928	4928	4480	4928
14	14	14	14	14	14	14	14
167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54
15.160568	16.248169	33.881733	35.967989	25.320272	23.55642	18.244463	29.908548
15.160568	16.248169	33.881733	35.967989	25.320272	23.55642	18.244463	29.908548
16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058
20063.6925	25916.1976	107913.104	82382.0035	53821.8068	33737.92	76164.5625	59848.3397

3710.56089	6095.98115	34754.455	29221.3972	15147.1261	7680.4284	43868.984	20418.7339
20063.6925	25916.1976	107913.104	82382.0035	53821.8068	33737.92	76164.5625	59848.3397
43.36	48.93	137.13	140.58	101.86	86.16	88.47	141.66
15410.9688	17493.2861	64630.412	48943.9323	37491.9635	25604.0165	31310.2412	34526.5182
18912.7662	22850.5747	95387.2135	75403.8721	52355.6081	33171.3184	74400.9488	52080.5601
2.223511	2.21104	5.548043	6.146956	4.187863	4.186676	3.350831	5.470521
157.816564	167.621652	698.045923	536.726407	444.813877	318.644713	413.963693	460.32906
105.398186	105.830682	88.92624	92.385881	93.981377	81.075667	79.738051	77.33888
9.485836	15.874602	27.594486	27.715764	15.336817	8.918323	7.973805	25.52183
167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54
0.549868	0.539715	2.357916	1.8235	1.301761	0.921136	1.333937	1.495852
3710.56089	6095.98115	34754.455	29221.3972	15147.1261	7680.4284	43868.984	20418.7339
3710.56089	6095.98115	34754.455	29221.3972	15147.1261	7680.4284	43868.984	20418.7339
9.343435	22.358347	94.214076	46.793592	13.406122	5.595286	12.896306	66.210939
942.162775	2326.93031	8528.23674	4216.67396	1182.71718	453.475069	985.337159	4903.08763
5.18	5.14	13.54	10.79	10.15	9.96	7.67	10.37
-3710.5609	-6095.9812	-34754.455	-29221.397	-15147.126	-7680.4284	-43868.984	-20418.734
-22623.327	-28946.556	-130141.67	-104625.27	-67502.734	-40851.747	-118269.93	-72499.294
0.35	0.66	1.09	0.65	0.39	0.11	0.24	1.26
3061.3966	4155.3325	16899.3431	12083.1559	8588.6367	5461.0239	6998.3835	10546.7906
0.05	0.09	0.31	0.09	0.17	0.07	0.25	0.19
52.5	94.5	325.5	94.5	178.5	73.5	262.5	199.5
16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058
16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058
16300.6316	19725.7165	72833.1488	53066.1062	38496.1807	25983.9916	32033.0784	39230.1058
167.16	189.98	792.26	583.52	458.22	324.24	426.86	526.54
52.5	94.5	325.5	94.5	178.5	73.5	262.5	199.5
16353.1316	19820.2165	73158.6488	53160.6062	38674.6807	26057.4916	32295.5784	39429.6058
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11.013837	11.029142	10.992755	10.991952	11.028714	10.945375	11.258521	11.12017
0.403047	0.388532	0.490546	0.466543	0.429329	0.424521	0.357921	0.416488
0.387309	0.366853	0.472579	0.449257	0.414503	0.407691	0.313458	0.40159
1236850.96	1524754.03	1808704.8	1598129.36	1488862.98	1339541.99	1019937.97	1544664.4
4863.31741	5055.69298	6050.55847	5563.30408	5762.57563	5771.91277	4490.59753	5869.91517
43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23
0.034979	0.032998	0.03172	0.03473	0.0311	0.0368	0.035889	0.033112
468154.996	513353.173	632966.577	572788.413	582564.171	570643.695	406725.858	567592.873
702273.319	793370.346	1253083.94	1073018.37	992048.915	897549.4	746439.764	967650.356
2.895203	2.933468	3.144553	3.105825	3.011501	2.960148	3.033863	2.993132
704456.621	780935.161	870285.112	807973.243	841808.223	843366.011	579034.966	801803.953
5849.24926	18731.951	38606.9684	25151.0277	10219.8704	4804.35608	13358.584	26548.1634
107179.525	121915.513	119017.891	113015.891	124815.449	123998.916	102721.861	124520.028
352.564226	346.350889	354.219913	353.174659	354.589343	352.269647	321.005815	353.750079
111598.4	129219.2	123345.6	117472	129219.2	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23

171.58381	176.734001	225.406	269.218518	220.097541	203.815571	238.020727	227.18556
33.255037	33.721974	36.182366	35.700993	34.706066	33.903573	35.752737	34.831725
1507702	1683460.83	2264908.17	2009561.45	1961854.64	1865537.49	1422788.3	1895243.21
2093282.95	2439060.43	4341439.26	3708402.14	3068774.64	2588712.9	2619559.82	2890438.2
585580.951	755599.596	2076531.09	1698840.7	1106920	723175.406	1196771.52	995194.988
2093282.95	2439060.43	4341439.26	3708402.14	3068774.64	2588712.9	2619559.82	2890438.2
1080.41	1186.46	1576.3	1563.17	1514.24	1429.3	1058.76	1543.68
236435.959	123591.584	422240.455	376888.554	437121.508	489717.844	376644.456	317974.388
336898.082	167800.372	670035.735	610946.916	688554.835	721624.341	886034.386	487929.013
7.731279	2.373737	7.413585	5.858017	6.049229	13.494957	5.057503	5.639731
4221.79565	1472.88942	5488.43227	5117.32978	7577.64103	10531.8674	6698.47397	5579.2189
35.868339	38.329124	45.57259	46.169221	39.07439	36.025779	28.814143	38.421388
35.814613	38.325966	45.407175	46.147084	38.896621	35.919639	28.784208	38.392861
43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23
142.181322	134.672056	173.483773	164.922281	152.164153	149.663471	115.070712	147.423948
356828.211	505775.19	1799251.48	1441142.19	837791.732	453297.364	1016920.79	738773.313
356828.211	505775.19	1799251.48	1441142.19	837791.732	453297.364	1016920.79	738773.313
39001.3264	45931.6746	52802.1157	47657.8002	45984.141	42149.6746	30124.154	46314.0111
1236850.96	1524754.03	1808704.8	1598129.36	1488862.98	1339541.99	1019937.97	1544664.4
63.49	32.83	89.14	79.78	93.05	102.41	64.46	77.91
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216.7	315.92	240.73	231.59	232.61	198.43	230.87	255.59
	0.016528					0.05909	
225256.111	292356.107	347888.292	304163.808	287946.656	248017.365	188728.616	299804.479
3.66	3.7	4.44	4.18	3.95	4.13	4.58	4.65
34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303
1736454.74	1933285.24	2542187.78	2267259.96	2230982.91	2135415.53	1602639.03	2151664.89
1736454.74	1933285.24	2542187.78	2267259.96	2230982.91	2135415.53	1602639.03	2151664.89
1406729.94	1574305.51	2123369.05	1880991.62	1833857.14	1740915.41	1325474.73	1769454.31
43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23
34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303
1736454.74	1933285.24	2542187.78	2267259.96	2230982.91	2135415.53	1602639.03	2151664.89
66181.6981	73644.4149	106532.687	93521.9215	91590.6055	87864.7761	70344.592	92353.8735
23.65	2.8	6.01	8.63	25.93	50.8	17.54	18.34

2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259
1781.09296	3161.17359	2158.10616	1986.56854	1844.18297	1404.05511	1576.37383	2104.66946
-77277.971	-105861.8	-100481.01	-91757.057	-90644.998	-81513.496	-72558.154	-91649.555
77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555
456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259
215.36	315.5	239.3	230.69	231.92	197.98	237.54	254.74
177.462714	220.88763	190.268438	188.330078	169.361156	145.957911	165.112632	196.402436
84.314592	117.064862	94.049054	91.194806	81.231759	69.516691	85.652414	91.871639
20858.2106	39238.1903	27072.4612	24871.4988	22248.5798	15522.1626	23014.6612	26990.6233

-77277.971	-105861.8	-100481.01	-91757.057	-90644.998	-81513.496	-72558.154	-91649.555
-254.20385	-300.74375	-299.05064	-286.7408	-257.5142	-231.57243	-226.74423	-260.36805
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-37.017453	-37.822696	-54.206111	-50.697215	-41.948496	-38.016448	-39.292967	-39.815983
-2859459.1	-4009862.5	-5435706.4	-4650787.1	-3802159.4	-3097637.1	-2853683.9	-3673961.1
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
3315769.02	4965436.35	6085940.4	5224063.22	4280453.09	3423372.64	3211649.88	4231588.39
77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13

2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259
1781.09296	3161.17359	2158.10616	1986.56854	1844.18297	1404.05511	1576.37383	2104.66946
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77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555
456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259
215.36	315.5	239.3	230.69	231.92	197.98	237.54	254.74
177.462714	220.88763	190.268438	188.330078	169.361156	145.957911	165.112632	196.402436
84.314592	117.064862	94.049054	91.194806	81.231759	69.516691	85.652414	91.871639
20858.2106	39238.1903	27072.4612	24871.4988	22248.5798	15522.1626	23014.6612	26990.6233
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2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
3315769.02	4965436.35	6085940.4	5224063.22	4280453.09	3423372.64	3211649.88	4231588.39
77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13

227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204
898.63251	895.887156	926.251468	956.146782	1166.08716	1395.00379	1195.4888	937.445292
5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982
214243.047	257790.905	365971.944	338515.46	305351.564	298313.924	259082.236	227826.34
5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982
19.15453	19.506575	20.203327	20.983371	20.866124	22.486184	20.755412	16.743294
-13377.136	-10613.332	89755.2828	65295.1703	6488.56431	-23753	-11169.84	-11985.864

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5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982
227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204
13377.1356	10613.3324	-89755.283	-65295.17	-6488.5643	23753	11169.8404	11985.8641
13377.1356	10613.3324	-89755.283	-65295.17	-6488.5643	23753	11169.8404	11985.8641
77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555
227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204
227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204
5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982
227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204
227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204
5822.97729	6866.3146	6788.31804	6714.67903	7344.87588	7915.13699	6641.73203	5893.63982
214243.047	257790.905	365971.944	338515.46	305351.564	298313.924	259082.236	227826.34
-13377.136	-10613.332	89755.2828	65295.1703	6488.56431	-23753	-11169.84	-11985.864
227620.182	268404.238	276216.661	273220.29	298863	322066.924	270252.076	239812.204

222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458
877.242127	874.406355	901.0169	930.250667	1134.17296	1358.39871	1163.28707	910.056056
6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368
240657.851	289503.291	411165.217	380383.774	343053.314	335552.504	291188.837	255334.949
41.83961	19.456824	34.30123		25.749642	24.707853	22.073456	13.295776
1.255188	0.778272	1.029036		1.287482	0.988314	10.815993	0.132957
6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368
21.516703	21.907821	22.698642	23.579269	23.440179	25.289942	23.326461	18.77197
18457.434	27541.8348	142475.029	114560.524	52372.5872	21932.9376	28215.6409	22544.4911
18457.434	27541.8348	142475.029	114560.524	52372.5872	21932.9376	28215.6409	22544.4911
6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368
222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458
-18457.434	-27541.835	-142475.03	-114560.52	-52372.587	-21932.938	-28215.641	-22544.491
-18457.434	-27541.835	-142475.03	-114560.52	-52372.587	-21932.938	-28215.641	-22544.491
0.16	0.45	0.12		0.41	0.36	7.13	0.16
77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555
222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458
222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458
6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368
222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458
222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458
6541.07792	7711.55302	7626.74391	7545.36618	8250.94313	8902.0598	7464.46766	6607.73368
240657.851	289503.291	411165.217	380383.774	343053.314	335552.504	291188.837	255334.949
18457.434	27541.8348	142475.029	114560.524	52372.5872	21932.9376	28215.6409	22544.4911
222200.417	261961.456	268690.188	265823.25	290680.727	313619.567	262973.196	232790.458

110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336
438.323833	527.820888	517.52533	476.395327	655.162283	734.43036	596.85527	643.858593
2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975
78689.265	115903.911	159092.573	134970.813	136238.77	122367.279	103311.296	123169.911
2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975

7.125434	8.762468	8.974858	8.314341	9.2878	9.377663	8.231565	9.139061
-32281.679	-42109.337	4605.82668	-1331.1787	-31247.773	-46739.758	-31633.702	-41634.425
-32281.679	-42109.337	4605.82668	-1331.1787	-31247.773	-46739.758	-31633.702	-41634.425
2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975
110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336
32281.6785	42109.3366	-4605.8267	1331.17872	31247.7726	46739.7584	31633.7017	41634.4247
32281.6785	42109.3366	-4605.8267	1331.17872	31247.7726	46739.7584	31633.7017	41634.4247
77277.9714	105861.798	100481.014	91757.0574	90644.9975	78521.5731	66657.5869	88673.4654
110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336
110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336
2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975
110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336
110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336
2166.13202	3084.38899	3015.55234	2660.58934	3269.30593	3300.93767	2634.10107	3216.94975
78689.265	115903.911	159092.573	134970.813	136238.77	122367.279	103311.296	123169.911
-32281.679	-42109.337	4605.82668	-1331.1787	-31247.773	-46739.758	-31633.702	-41634.425
110970.944	158013.248	154486.747	136301.992	167486.543	169107.037	134944.998	164804.336

222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389
879.660901	782.01183	843.712347	640.044897	1094.69598	1274.50203	936.344312	814.392224
2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973
105331.51	112094.811	168453.782	117554.637	149394.119	138657.447	103010.692	98608.3976
2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973
9.500813	8.607036	9.451852	7.209762	10.077135	10.578194	8.371994	7.461924
-117207.94	-121341.79	-82340.921	-64638.934	-130724.46	-155389.27	-108552.97	-108813.99
-117207.94	-121341.79	-82340.921	-64638.934	-130724.46	-155389.27	-108552.97	-108813.99
2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973
222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389
117207.935	121341.793	82340.9212	64638.9336	130724.461	155389.272	108552.968	108813.991
117207.935	121341.793	82340.9212	64638.9336	130724.461	155389.272	108552.968	108813.991
77130.2367	103982.531	98829.0803	91757.0574	90644.9975	81429.0637	72418.3725	91214.9961
222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389
222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389
2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973
222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389
222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389
2888.24717	3029.67689	3175.8225	2307.12385	3547.15182	3723.52436	2679.03837	2626.5973
105331.51	112094.811	168453.782	117554.637	149394.119	138657.447	103010.692	98608.3976
-117207.94	-121341.79	-82340.921	-64638.934	-130724.46	-155389.27	-108552.97	-108813.99
222539.445	233436.605	250794.703	182193.57	280118.579	294046.718	211563.66	207422.389

783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387
3093.85937	3080.12623	3188.50605	3002.83767	4050.11839	4762.3349	3891.97545	3305.75217
17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206
638921.672	775292.918	1104683.52	971424.684	934037.766	894891.154	756593.061	704939.597
41.83961	19.456824	34.30123		25.749642	24.707853	22.073456	13.295776
1.255188	0.778272	1.029036		1.287482	0.988314	10.815993	0.132957

17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206
57.297481	58.783901	61.32868	60.086744	63.67124	67.731985	60.685434	52.116251
-144409.32	-146522.63	154495.217	113885.582	-103111.08	-203949.09	-123140.87	-139889.79
-144409.32	-146522.63	154495.217	113885.582	-103111.08	-203949.09	-123140.87	-139889.79
17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387
144409.315	146522.628	-154495.22	-113885.58	103111.082	203949.092	123140.869	139889.789
144409.315	146522.628	-154495.22	-113885.58	103111.082	203949.092	123140.869	139889.789
0.16	0.45	0.12		0.41	0.36	7.13	0.16
308964.151	421567.927	400272.121	367028.23	362579.99	322977.629	284192.268	363187.572
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387
17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387
17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206
638921.672	775292.918	1104683.52	971424.684	934037.766	894891.154	756593.061	704939.597
-144409.32	-146522.63	154495.217	113885.582	-103111.08	-203949.09	-123140.87	-139889.79
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387

11.013837	11.029142	10.992755	10.991952	11.028714	10.945375	11.258521	11.12017
0.403047	0.388532	0.490546	0.466543	0.429329	0.424521	0.357921	0.416488
0.387309	0.366853	0.472579	0.449257	0.414503	0.407691	0.313458	0.40159
2859459.06	4009862.51	5435706.43	4650787.13	3802159.4	3097637.07	2853683.94	3673961.13
2476491.91	3402143.42	3409127.06	3028944.56	3004305.52	2764117.81	2257637.84	2947121.04
9738.26975	11296.9928	11397.1707	10552.7103	11656.877	11938.3028	9958.94681	11280.3368
-16636.415	-37765.301	-21584.029	-19754.169	-14670.939	-4990.2952	-16316.187	-21411.404
2795491.92	3236885.38	3151549.31	3001475.53	3301623.09	3301623.09	3001475.53	3301623.09
0.034979	0.032998	0.03172	0.03473	0.0311	0.0368	0.035889	0.033112
468154.996	513353.173	632966.577	572788.413	582564.171	570643.695	406725.858	567592.873
702273.319	793370.346	1253083.94	1073018.37	992048.915	897549.4	746439.764	967650.356
2.895203	2.933468	3.144553	3.105825	3.011501	2.960148	3.033863	2.993132
704456.621	780935.161	870285.112	807973.243	841808.223	843366.011	579034.966	801803.953
5849.24926	18731.951	38606.9684	25151.0277	10219.8704	4804.35608	13358.584	26548.1634
107179.525	121915.513	119017.891	113015.891	124815.449	123998.916	102721.861	124520.028
352.564226	346.350889	354.219913	353.174659	354.589343	352.269647	321.005815	353.750079
111598.4	129219.2	123345.6	117472	129219.2	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43223.122	47404.564	58290.548	52775.13	53561.782	52681.542	36822.628	51893.23
171.58381	176.734001	225.406	269.218518	220.097541	203.815571	238.020727	227.18556
33.255037	33.721974	36.182366	35.700993	34.706066	33.903573	35.752737	34.831725
1507702	1683460.83	2264908.17	2009561.45	1961854.64	1865537.49	1422788.3	1895243.21
2093282.95	2439060.43	4341439.26	3708402.14	3068774.64	2588712.9	2619559.82	2890438.2
77277.9714	105861.798	100481.014	91757.0574	90644.9975	81513.496	72558.1544	91649.555
585580.951	755599.596	2076531.09	1698840.7	1106920	723175.406	1196771.52	995194.988

2732204.62	3214353.35	5446122.78	4679826.83	4002812.41	3483604.05	3376152.88	3595377.8
1080.41	1186.46	1576.3	1563.17	1514.24	1429.3	1058.76	1543.68
236435.959	123591.584	422240.455	376888.554	437121.508	489717.844	376644.456	317974.388
28.70476	29.269193	40.325277	37.867327	31.917041	29.358406	30.201709	29.995048
456309.962	955573.84	650233.962	573276.094	478293.685	325735.569	357965.942	557627.259
215.36	315.5	239.3	230.69	231.92	197.98	237.54	254.74
177.462714	220.88763	190.268438	188.330078	169.361156	145.957911	165.112632	196.402436
7.026216	7.804324	7.837421	5.699675	5.076984	5.793057	5.353275	5.741977
20,858	39,238	27,072	24,871	22,249	15,522	23,015	26,991
336898.082	167800.372	670035.735	610946.916	688554.835	721624.341	886034.386	487929.013
4.509912	1.582491	4.324591	4.027386	4.158845	7.872058	3.477033	3.877315
4,222	1,473	5,488	5,117	7,578	10,532	6,698	5,579
35.842373	38.266167	45.520229	46.169221	39.105074	36.062145	28.627798	38.414105
35.788696	38.263012	45.35484	46.147084	38.92732	35.956276	28.602841	38.385578
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-54.725049	-107.28779	-64.238181	-61.731778	-41.678803	-14.176974	-50.988085	-60.827853
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-70.436223	-65.056621	-66.027814	-66.469446	-70.257308	-75.452243	-68.377679	-69.61867
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56419.7608	66623.6081	73408.5525	66885.5586	68396.4177	65991.3334	49543.4932	64658.9317
2020181.95	2446569.57	2758893.1	2455668.47	2526011.83	2438382.24	1899671.9	2389493.79
5213779.34	6637670.92	6356229.44	5839536.38	6099973.57	5880033.85	4781528.82	6120279.02
5333191.22	7425444.39	6336427.66	5801865.56	5889712.42	5484145.08	4253460.38	6189977.27
	0.016528					0.05909	
611498.233	819785.832	848641.428	762949.095	741171.644	652508.49	545479.038	754641.606
3.66	3.7	4.44	4.18	3.95	4.13	4.58	4.65
34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303
8174736.71	10101848.7	12079631.8	10777061.7	10371914.2	9633515.94	8337532.44	9972078.5
5379244.79	6864963.29	8928082.51	7775586.18	7070291.16	6331892.85	5336056.9	6670455.41
1406729.94	1574305.51	2123369.05	1880991.62	1833857.14	1740915.41	1325474.73	1769454.31
60641.5564	68096.4975	78896.9848	72002.8884	75974.0588	76523.2008	56241.9671	70238.1506
34790.364	35510.9094	35006.4298	35047.9097	36406.8988	36757.302	26968.9743	33435.0303
5379244.79	6864963.29	8928082.51	7775586.18	7070291.16	6331892.85	5336056.9	6670455.41
66181.6981	73644.4149	106532.687	93521.9215	91590.6055	87864.7761	70344.592	92353.8735
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387
17418.4344	20691.9335	20606.4368	19227.7584	22412.2768	23841.6588	19419.3391	18344.9206
638921.672	775292.918	1104683.52	971424.684	934037.766	894891.154	756593.061	704939.597
-144409.32	-146522.63	154495.217	113885.582	-103111.08	-203949.09	-123140.87	-139889.79
783330.987	921815.546	950188.299	857539.102	1037148.85	1098840.25	879733.93	844829.387

2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02
3451696.86	3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05
-3451696.9	-3151549.3	-3151549.3	-3301623.1	-3001475.5	-3301623.1	-3061505	-3061505
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3451696.86	3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05
3451696.86	3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05
3451696.86	3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05
49.012741	44.556771	37.565501	37.795981	37.642331	38.410601	54.166794	50.478984
23.307185	23.307205	23.307185	23.307106	23.307185	23.307086	23.773308	23.77323
48.889102	44.433132	37.441862	37.672342	37.518692	38.286962	54.041094	50.353284
48.984209	44.528239	37.536969	37.767449	37.613799	38.382069	54.137786	50.449976
48.270908	43.814938	36.823668	37.054148	36.900498	37.668768	53.412597	49.724787
48.546718	44.090748	37.099478	37.329958	37.176308	37.944578	53.693003	50.005193
48.965188	44.509218	37.517948	37.748428	37.594778	38.363048	54.118448	50.430638
49.003231	44.547261	37.555991	37.78647	37.632821	38.401091	54.157124	50.469314
21.475371	21.475371	21.475371	21.475371	21.475371	21.475371	21.904879	21.904879
1.18	1.18	1.18	1.18	1.18	1.18	1.22	1.22
48.7084	44.25243	37.26116	37.49164	37.33799	38.10626	53.85738	50.16957
4.750653	4.741729	4.760111	4.872837	5.691517	6.458034	6.415798	6.38426
36.757809	33.78642	29.127104	29.290144	29.255941	29.831989	40.408184	37.947009
36.757809	33.78642	29.127104	29.290144	29.255941	29.831989	40.408184	37.947009

0.27788	0.27788	0.41682				0.27788	0.55576
0.000628	0.000694	0.017623				0.005333	0.002343
0.000628	0.000661	0.016798				0.005166	0.002305
345.783018	200.487545	1642.41387				903.37817	284.886946
1.114803	0.707303	6.420198				2.741733	0.900177
5.2	5	127				37.2	16.6
0.030108	0.03119	0.028214	0.025028	0.020531	0.023494	0.038937	0.041656
72.2488	69.47	1764.538				516.8568	230.6404
1551.56985	1491.89408	37894.1097				11321.6858	5052.15012
0.455645	0.455645	0.683468				0.464759	0.929519
94.421956	90.790343	2306.07471				689.0218	307.466717
8030.7	7324.2	7346.7	7721.775	7052.175	7733.925	6919.65	6900.075
21.822554	21.798214	21.865178	21.93686	22.038046	21.971377	21.623906	21.562734
8280	7560	7560	7920	7200	7920	7200	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
5.2	5	127				37.2	16.6
6.475677	6.434162	9.62595				6.50004	13.124332
6.475677	6.434162	9.62595				6.50004	13.124332
1671.8076	1608.25623	40403.8039				12076.6968	5409.99264
1879.24651	1738.07107	108752.059				13153.9114	6161.57081
207.438908	129.814843	68348.2547				1077.21463	751.578174
1879.24651	1738.07107	108752.059				13153.9114	6161.57081
4.12	3.62	7.21				5.26	5.57
1326.02458	1407.76868	38761.39				11173.3186	5125.10569
1469.85732	1535.03789	103854.692				12178.1117	5828.65882
0.383047	0.366393	0.599521				0.394634	0.798661
4.1118	4.399693	121.861864				34.438118	15.721013
317.756885	318.419266	320.308784				334.002368	328.519053
3.177568	6.368385	6.406175				3.314716	3.28519
5.2	5	127				37.2	16.6
0.01413	0.01488	0.377976				0.11625	0.051875
207.438908	129.814843	68348.2547				1077.21463	751.578174
207.438908	129.814843	68348.2547				1077.21463	751.578174
1.088199	0.600306	5.138135				2.761881	0.878986
345.783018	200.487545	1642.41387				903.37817	284.886946
0.1	0.11	0.17				0.87	0.32
-207.43891	-129.81484	-68348.255				-1077.2146	-751.57817
-1677.2962	-1664.8527	-172202.95				-13255.326	-6580.237
	0.01	0.01				0.04	0.01
80.6812	73.4671	1529.8089				568.2146	259.4222
0.02	0.02	0.05				0.02	0.03
19.4718	19.4718	48.6795				19.8612	29.7918
1671.8076	1608.25623	40403.8039				12076.6968	5409.99264
1671.8076	1608.25623	40403.8039				12076.6968	5409.99264
1645.9918	1582.68443	40200.1844				12010.7076	5359.61684

5.2	5	127				37.2	16.6
19.4718	19.4718	48.6795				19.8612	29.7918
1671.8076	1608.25623	40403.8039				12076.6968	5409.99264
6.344	6.1	154.939999				46.128	20.584
7.44101	5.6514	2.54313	5.08626	4.14436	3.20246	5.274639	5.93397
0.307323	0.256797	0.112238	0.177391	0.107368	0.107637	0.25506	0.223329
0.298369	0.24738	0.10875	0.170227	0.103937	0.105681	0.248093	0.215562
318429.233	211373.762	39409.5503	121573.632	39742.1937	120761.109	202794.651	153496.749
981.912162	688.04359	152.093308	510.988781	151.374072	387.338383	657.254619	512.914235
6368.4	4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84
0.03	0.02741	0.029791	0.037215	0.036718	0.022414	0.030187	0.038
59983.9596	45408.6222	19961.8751	32734.4158	18170.0045	20322.4344	43370.9158	37683.912
294843.685	224532.959	96760.0264	174734.833	112158.79	134700.266	275400.879	240045.595
3.825404	2.920069	1.325103	2.754919	2.590296	2.275297	3.254096	3.487358
54653.3148	36096.9977	6815.06019	19398.7347	5474.74486	15978.3753	27636.6873	20894.5691
20703.68	18953.82	18907.42	19656.2	17878.5	19958.38	17999.72	17854.72
56.26	56.410178	56.272083	55.841477	55.870312	56.699943	56.249125	55.796
21344	19488	19488	20416	18560	20416	18560	18560
58	58	58	58	58	58	58	58
6368.4	4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84
42.956459	32.747568	14.827335	30.664566	28.303224	24.59327	35.665769	38.378013
42.956459	32.747568	14.827335	30.664566	28.303224	24.59327	35.665769	38.378013
349680.67	265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142
582259.342	443758.836	490406.747	282745.697	171028.63	214756.851	564493.064	487879.368
232578.672	177776.472	375416.798	78017.0553	42159.7576	61473.2886	248863.134	212830.226
582259.342	443758.836	490406.747	282745.697	171028.63	214756.851	564493.064	487879.368
249.64	165.19	98.22	141.28	99.16	108.1	200.68	199.76
31251.4366	54608.6025	75580.3985	83155.0097	89126.6784	32522.4535	112835.279	121552.393
46636.2196	89579.2317	310687.497	114088.851	117066.602	45106.6486	200655.416	207689.417
13.616387	12.384731	12.089552	23.90455	20.36963	7.825845	15.549871	19.963998
565.945934	988.600118	1395.77608	1415.8277	1347.83519	461.201731	1670.4776	1782.49738
57.973806	56.998324	56.273269	60.530327	66.586779	75.014367	65.608692	64.030031
45.749877	34.186144	15.172431	32.595971	27.875853	25.466042	36.664051	39.051518
6368.4	4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84
17.305434	14.348095	6.3075	9.873181	6.028375	6.129545	14.389437	12.502625
232578.672	177776.472	375416.798	78017.0553	42159.7576	61473.2886	248863.134	212830.226
232578.672	177776.472	375416.798	78017.0553	42159.7576	61473.2886	248863.134	212830.226
5802.45407	3832.35988	723.54392	2059.5323	581.244809	1696.39827	2934.1424	2218.34262
318429.233	211373.762	39409.5503	121573.632	39742.1937	120761.109	202794.651	153496.749
11.94	15.1	8.68	16.34	17.67	10.15	16.75	17.97
-232578.67	-177776.47	-375416.8	-78017.055	-42159.758	-61473.289	-248863.13	-212830.23
-279214.89	-267355.7	-686104.3	-192105.91	-159226.36	-106579.94	-449518.55	-420519.64
27.97	14.72	2.23	15.38	2.83	9.3	8.51	6
35520.0061	25219.2643	8939.124	14401.2447	8628.5277	11540.8117	24270.4312	20365.2174
1.15	0.73	0.34	0.78	0.57	0.4	0.37	0.43
514.532999	326.6166	152.1228	348.9876	255.0294	178.968	168.8569	196.2391

349680.67	265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142
349680.67	265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142
294843.685	224532.959	96760.0264	174734.833	112158.79	134700.266	275400.879	240045.595
6368.4	4820.96	2119.32	3475.36	1929.08	2157.6	4604.62	4000.84
514.532999	326.6166	152.1228	348.9876	255.0294	178.968	168.8569	196.2391
349680.67	265982.365	114989.949	204728.642	128868.872	153283.562	315629.93	275049.142
54322.452	41122.7888	18077.7996	29644.8208	16455.0524	18404.328	40060.194	34807.308
						0.03	0.17
10.837651	10.932329	11.309298	10.944265	10.958038	11.029868	10.956921	10.979756
0.743171	0.704367	0.527054	0.672339	0.687918	0.667328	0.716884	0.691728
0.715409	0.682492	0.507775	0.326385	0.659841	0.644832	0.696501	0.665846
986509.114	860224.43	619548.313	379175.646	734466.557	856798.887	850768.014	808032.329
3202.21948	2951.50603	2570.89444	1558.98484	2842.46706	2795.81396	2791.08603	2761.69464
29223.04	25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876
0.038722	0.032351	0.038214	0.033778	0.039406	0.034232	0.028875	0.03875
314635.573	275371.497	210786.94	138167.39	254065.583	273803.519	267303.081	256180.77
372561.456	326355.937	249225.762	163839.927	300975.188	323479.937	327699.285	314725.75
2.9835	2.9835	2.9835	2.9835	2.9835	2.9835	3.0451	3.0451
567445.256	496632.495	380154.245	249184.888	458207.28	493804.647	487854.854	467555.523
39266.25	36089.43	35870.76	18937.71	34120.29	37734.45	34494.36	34143.6
106.701766	107.409017	106.758214	53.800312	106.625906	107.200142	107.794875	106.69875
40848	37296	37296	39072	35520	39072	35520	35520
111	111	111	111	111	111	111	111
29223.04	25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876
34.290589	34.536294	35.815449	34.611461	34.622501	34.908401	35.307967	35.487128
33.965726	34.250107	35.378618	34.286226	34.327355	34.545642	35.025649	35.09116
995868.418	871202.882	667080.325	437303.114	803917.052	866022.59	862500.185	829608.456
1677179.87	1366546.48	1139132.85	587165.974	1040051.47	1190444.87	1668877.58	1520175.74
681311.449	495343.602	472052.522	149862.86	236134.418	324422.284	806377.392	690567.287
1677179.87	1366546.48	1139132.85	587165.974	1040051.47	1190444.87	1668877.58	1520175.74
353.75	325.13	322.65	170.61	307.39	339.95	310.76	307.6
1423.38424	4508.95243	40889.9921	54763.3283	63153.5147	1805.34345	6101.45104	13745.907
1989.84868	6969.21764	137968.872	91162.722	102519.878	2970.73175	15007.2136	28757.4606
6.538088	8.997949	9.558658	23.107423	19.705247	4.170771	6.382212	10.546863
42.911328	135.422426	1229.69868	1645.57798	1898.38685	54.08281	182.079548	407.834598
32.059201	30.670748	14.649237	27.474545	29.639406	33.421148	33.519945	32.616543
32.057173	30.665126	14.636357	27.447135	29.619232	33.419602	33.517999	32.612114
29223.04	25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876
79.410434	75.75666	56.363053	36.228795	73.242387	71.576437	77.311612	73.908987
516851.435	351406.92	361874.189	77642.7649	103334.338	181305.184	666658.071	556661.599
516851.435	351406.92	361874.189	77642.7649	103334.338	181305.184	666658.071	556661.599
29180.1287	25318.8156	17708.2873	11106.958	21539.1771	25140.8232	24557.6365	23243.0414
986509.114	860224.43	619548.313	379175.646	734466.557	856798.887	850768.014	808032.329
1.55	2.82	11.58	19.88	34.57	3.57	5.87	9.26
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235.36	229.41	254.88	95.42	208.22	288.27	216.89	216.33
			0.5				
105426.073	92362.5025	75821.3153	39131.1072	76882.9862	101194.98	92491.7045	87302.3257
0.92	0.75	0.77	0.39	0.73	0.86	0.64	0.89
7935.92	6469.5	6642.02	3364.14	6296.98	7418.36	5630.72	7830.22
1160328.43	1015139.56	777258.658	509523.209	936717.132	1009139.69	1002219.51	963514.145
1160328.43	1015139.56	777258.658	509523.209	936717.132	1009139.69	1002219.51	963514.145
940006.713	822988.432	629380.008	413024.815	759182.467	817284.585	815554.139	782281.273
29223.04	25454.238	18937.986	12752.536	23437.564	25194.906	24739.716	23650.876
7935.92	6469.5	6642.02	3364.14	6296.98	7418.36	5630.72	7830.22
1160328.43	1015139.56	777258.658	509523.209	936717.132	1009139.69	1002219.51	963514.145
47925.7856	41744.9503	31058.297	20914.159	38437.605	41319.6458	41315.3257	39496.9629
1.53	3.93	12	17.58	24.46	1.7	3.12	5.76
0.3	0.3	0.45				0.3	0.6
0.000472	0.000416	0.019315				0.003	0.001693
0.000434	0.000416	0.019315				0.003	0.001687
39.958697		246.048535				52.862457	41.828362
0.127322		0.955184				0.158454	0.130859
0.48	0.42	19.47				2.88	1.62
0.034864	0.029642	0.025	0.020823	0.025531	0.029318	0.024437	0.025406
7.2	6.3	292.05				43.2	24.3
154.622677	135.294842	6271.88235				946.290784	532.288566
0.455645	0.455645	0.683468				0.464759	0.929519
9.40968	8.23347	381.680144				57.58992	32.39433
1065.51	978.12	982.8	1034.01	935.49	1025.04	936.54	935.61
2.895407	2.911071	2.925	2.937528	2.923406	2.912045	2.926687	2.923781
1104	1008	1008	1056	960	1056	960	960
3	3	3	3	3	3	3	3
0.48	0.42	19.47				2.88	1.62
6.834681	6.834681	10.252022				6.971393	13.942787
6.834681	6.834681	10.252022				6.971393	13.942787
164.032357	143.528312	6653.56249				1003.8807	564.682896
181.851654	152.399295	16896.2947				1064.16084	631.100592
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181.851654	152.399295	16896.2947				1064.16084	631.100592
0.16	0.14	6.49				0.96	0.54
124.07366	143.528312	6407.51396				951.018247	522.854533
137.386042	152.399295	16195.8904				1008.73166	584.939357
0.057551	0.06	0.09				0.059978	0.09
0.36307	0.42	18.75				2.728344	1.5
341.734077						348.569689	
3.41734						3.485696	
0.48	0.42	19.47				2.88	1.62
0.001304	0.00125	0.057946				0.009	0.005062
17.819297	8.870982	10242.7322				60.280136	66.417695
17.819297	8.870982	10242.7322				60.280136	66.417695

0.116929		0.72				0.151655	0.12
39.958697		246.048535				52.862457	41.828362
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50.1495	41.0759	1565.3244				295.706	169.8283
0.08	0.09	0.45				0.29	0.23
164.032357	143.528312	6653.56249				1003.8807	564.682896
164.032357	143.528312	6653.56249				1003.8807	564.682896
164.032357	143.528312	6653.56249				1003.8807	564.682896
0.48	0.42	19.47				2.88	1.62
164.032357	143.528312	6653.56249				1003.8807	564.682896
11.300817	11.411648	12.187311	11.461915	11.439552	11.571106	11.513231	11.555619
0.818045	0.782245	0.552117	0.759588	0.770187	0.742069	0.764515	0.740029
0.783231	0.74632	0.427842	0.72632	0.727694	0.580512	0.732655	0.706584
329187.385	287766.745	172883.244	294393.701	267461.39	235910.591	275812.413	266958.889
1073.18234	989.850705	734.730237	1235.53943	1039.51215	765.03468	905.137647	913.708663
12393.86	10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6
0.043233	0.046458	0.044255	0.043409	0.056437	0.043721	0.041343	0.045406
139133.036	121604.757	73266.6312	124473.858	113061.412	99809.3944	114104.01	110423.843
164646.605	144008.255	86606.263	147290.133	133815.732	117986.142	139925.503	135491.317
2.2673	2.2673	2.267299	2.2673	2.267299	2.267299	2.3146	2.314599
151279.35	132220.852	79662.8081	135340.426	122931.673	108522.754	124898.249	120869.938
15139.87	13776.77	11177.85	14478.96	12983.42	11832.74	13191.11	13135.21
41.140951	41.002291	33.26741	41.133409	40.573187	33.615738	41.222218	41.047531
15824	14448	14448	15136	13760	15136	13760	13760
43	43	43	43	43	43	43	43
12393.86	10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6
27.086393	27.360117	29.326118	27.502201	27.542366	27.803746	28.137334	28.311917
26.681414	26.934555	28.696095	27.051135	26.998685	27.300923	27.722527	27.815063
333709.853	291819.901	176083.104	298916.17	272282.513	239494.434	279293.861	271180.145
665354.543	540720.402	365590.167	471899.374	422026.469	391433.712	636326.935	585189.775
331644.69	248900.5	189507.063	172983.205	149743.956	151939.278	357033.074	314009.63
665354.543	540720.402	365590.167	471899.374	422026.469	391433.712	636326.935	585189.775
352.09	320.14	259.95	336.72	301.7	275.18	306.77	305.47
31.355694	35.345064	14.147243	31.59545	31.843327	30.65637	35.192977	33.423372
6.271138	6.362111	2.122086	23.696588	6.687098	5.82471	3.871227	5.681973
12393.86	10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6
33.678967	32.091785	18.397232	31.231789	31.290843	24.962017	31.504187	30.383125
258919.852	185337.694	151210.595	107920.719	90646.7563	99768.9071	297390.908	256291.088
258919.852	185337.694	151210.595	107920.719	90646.7563	99768.9071	297390.908	256291.088

12393.86	10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6
329187.385	287766.745	172883.244	294393.701	267461.39	235910.591	275812.413	266958.889
-331644.69	-248900.5	-189507.06	-172983.2	-149743.96	-151939.28	-357033.07	-314009.63
-331644.69	-248900.5	-189507.06	-172983.2	-149743.96	-151939.28	-357033.07	-314009.63
1.78	1.41	1.51	23.29	2.3	2.27	0.64	1.75
		0.190476			0.181818		
104442.016	89862.9465	59202.5535	77334.5692	74280.9213	81994.5379	90257.429	85820.5921
1.06	0.95	0.75	1.06	1.13	0.84	0.8	0.97
4522.4688	4053.156	3199.86	4522.4688	4821.1224	3583.8432	3481.448	4221.2557
406434.691	355382.708	214379.572	363978.655	331379.713	291664.805	338936.027	328898.688
406434.691	355382.708	214379.572	363978.655	331379.713	291664.805	338936.027	328898.688
315925.954	276229.107	166269.071	282630.56	256747.405	226508.897	264823.752	256361.255
12393.86	10782.84	6181.47	10993.59	10013.07	8786.63	10081.34	9722.6
4522.4688	4053.156	3199.86	4522.4688	4821.1224	3583.8432	3481.448	4221.2557
406434.691	355382.708	214379.572	363978.655	331379.713	291664.805	338936.027	328898.688
13261.4302	11537.6388	6614.1729	11763.1413	10713.9849	9401.6941	10988.6606	10597.634
0.3	0.3	0.45				0.3	0.6
0.00053	0.000416	0.019315				0.003	0.00189
0.000434	0.000416	0.019315				0.003	0.001687
14.199986		246.048535				52.285453	41.828362
0.044545		0.955184				0.156706	0.130859
0.48	0.42	19.47				2.88	1.62
0.041739	0.025505	0.024672	0.030539	0.034812	0.031079	0.033	0.039718
7.2	6.3	292.05				43.2	24.3
154.622677	135.294842	6271.88235				946.290784	532.288566
0.455645	0.455645	0.683468				0.464759	0.929519
9.40968	8.23347	381.680144				57.58992	32.39433
1057.92	982.29	983.13	1023.75	926.58	1023.18	928.32	921.87
2.874782	2.923482	2.925982	2.90838	2.895562	2.906761	2.901	2.880843
1104	1008	1008	1056	960	1056	960	960
3	3	3	3	3	3	3	3
0.48	0.42	19.47				2.88	1.62
6.834681	6.834681	10.252022				6.971393	13.942787
6.834681	6.834681	10.252022				6.971393	13.942787
164.032357	143.528312	6653.56249				1003.8807	564.682896
182.346353	152.399295	16896.2947				1064.16084	631.100592
18.313996	8.870982	10242.7322				60.280136	66.417695
182.346353	152.399295	16896.2947				1064.16084	631.100592
0.16	0.14	6.49				0.96	0.54
149.83237	143.528312	6407.51396				951.595251	522.854533
166.885564	152.399295	16195.8904				1009.33202	584.939357
0.059111	0.06	0.09				0.06	0.09
0.438447	0.42	18.75				2.73	1.5
343.397162							
3.433971							

0.48	0.42	19.47				2.88	1.62
0.001304	0.00125	0.057946				0.009	0.005062
18.313996	8.870982	10242.7322				60.280136	66.417695
18.313996	8.870982	10242.7322				60.280136	66.417695
0.041552		0.72				0.15	0.12
14.199986		246.048535				52.285453	41.828362
0.03							
-18.313996	-8.870982	-10242.732				-60.280136	-66.417695
-185.19956	-161.27028	-26438.623				-1069.6122	-651.35705
0.01							
49.8824	41.0759	1565.3244				295.706	169.8283
0.08	0.09	0.45				0.29	0.23
164.032357	143.528312	6653.56249				1003.8807	564.682896
164.032357	143.528312	6653.56249				1003.8807	564.682896
164.032357	143.528312	6653.56249				1003.8807	564.682896
0.48	0.42	19.47				2.88	1.62
164.032357	143.528312	6653.56249				1003.8807	564.682896

9.54967	6.978037	3.130182	4.805026	3.388589	2.693356	5.981525	6.974324
0.181904	0.151452	0.075608	0.073003	0.035493	0.04614	0.163944	0.135143
0.176967	0.147779	0.072625	0.071818	0.034312	0.044465	0.160856	0.132193
127360.186	63643.6176	10634.3611	31401.0546	4945.51238	20852.5978	46239.3161	33861.0956
379.089598	199.576425	40.534568	130.459998	18.80455	65.926947	148.331764	112.180652
3256.2	2482.7	1220.1	1264	549	782.6	2573.7	2115.1
0.036956	0.024985	0.029866	0.034772	0.032921	0.035582	0.034531	0.02089
46860.6	35717.5	17681.7	18069.2	7829.4	11219.8	37133.7	30514.7
231655.733	177390.403	84896.9427	97927.3072	48041.4495	72764.0682	231178.004	193554.289
3.2502	2.38307	1.074376	1.782673	1.438594	1.247996	2.313426	2.72855
25695.8486	12782.2798	2208.21661	5756.921	779.786317	3167.42783	7261.34097	5245.34099
17774.3	16453.6	16246.5	17020.4	15523.5	16955.6	15489.2	15675.5
48.299728	48.969047	48.352678	48.353409	48.510937	48.169318	48.40375	48.985937
18400	16800	16800	17600	16000	17600	16000	16000
50	50	50	50	50	50	50	50
3256.2	2482.7	1220.1	1264	549	782.6	2573.7	2115.1
86.32214	62.429622	25.26441	38.421788	31.754508	29.987401	60.134754	69.096464
46.729103	34.033326	15.361899	25.328377	20.489116	17.795641	33.413496	39.043326
232659.199	177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409
359559.251	274916.787	373853.964	127079.029	60407.7039	93633.1559	372811.98	312571.197
126900.052	96970.9105	288655.455	28830.9991	12211.8224	20637.3216	140781.024	118498.788
359559.251	274916.787	373853.964	127079.029	60407.7039	93633.1559	372811.98	312571.197
360.34	254.62	129.14	123.64	80.83	91.67	232.18	258.61
105299.013	114302.259	74564.1476	66846.9756	43250.3691	52143.2365	185791.639	160211.313
160786.184	176680.018	322876.354	86929.4052	54095.9868	66882.4941	299032.652	256753.281
10.023217	8.610496	4.728489	6.376057	5.094367	3.762965	8.693467	10.325422
1446.07669	1579.50988	1064.38517	856.560246	493.809399	558.572695	2061.16805	1745.54289
82.415982	81.483672	79.402539	80.013991	93.474494	103.971791	94.788421	91.581585
55.1739	39.905355	15.077919	24.782016	16.802422	18.667553	35.109643	39.224222

3256.2	2482.7	1220.1	1264	549	782.6	2573.7	2115.1
8.848369	7.388988	3.63125	3.590909	1.715625	2.223295	8.042812	6.609687
126900.052	96970.9105	288655.455	28830.9991	12211.8224	20637.3216	140781.024	118498.788
126900.052	96970.9105	288655.455	28830.9991	12211.8224	20637.3216	140781.024	118498.788
1810.12331	903.190122	155.714833	407.439753	55.1906	224.027304	512.531945	369.557105
127360.186	63643.6176	10634.3611	31401.0546	4945.51238	20852.5978	46239.3161	33861.0956
38.24	33.97	15.04	15.67	8.06	11.13	37.67	32.43
-126900.05	-96970.911	-288655.46	-28830.999	-12211.822	-20637.322	-140781.02	-118498.79
-287686.24	-273650.93	-611531.81	-115760.4	-66307.809	-87519.816	-439813.68	-375252.07
14.73	5.84	0.76	2.91	0.36	1.4	3.43	2.7
37079.2202	26334.5541	11001.999	9864.0923	4471.0223	8154.721	28138.2115	22377.8276
0.69	0.2	0.09	0.3	0.16	0.2	0.54	0.18
485.454	165.195	57.444	168.955	96.116	124.65	397.5	144.756
232659.199	177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409
232659.199	177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409
231655.733	177390.403	84896.9427	97927.3072	48041.4495	72764.0682	231178.004	193554.289
3256.2	2482.7	1220.1	1264	549	782.6	2573.7	2115.1
485.454	165.195	57.444	168.955	96.116	124.65	397.5	144.756
232659.199	177945.876	85198.5087	98248.0302	48195.8815	72995.8342	232030.956	194072.409
518.012	390.278	244.121999	151.768	58.316	107.116	455.452	373.364

0.3	0.3	0.45				0.3	0.6
0.000401	0.000416	0.019334				0.003058	0.001693
0.000353	0.000416	0.019315				0.003	0.001687
13.669363		328.064714				69.713937	55.77115
0.042489		1.273578				0.208942	0.174479
0.52	0.56	25.96				3.84	2.16
0.047635	0.031428	0.026041	0.027244	0.021812	0.031107	0.034812	0.026187
7.8	8.4	389.4				57.6	32.4
167.5079	180.393123	8362.5098				1261.72105	709.718088
0.455645	0.455645	0.683468				0.464759	0.929519
10.19382	10.97796	508.90686				76.786559	43.19244
1401.88	1301.76	1309	1369.64	1252.08	1364.2	1235.44	1246.48
3.809456	3.874285	3.895833	3.891022	3.91275	3.875568	3.86075	3.89525
1472	1344	1344	1408	1280	1408	1280	1280
4	4	4	4	4	4	4	4
0.52	0.56	25.96				3.84	2.16
6.834681	6.834681	10.252022				6.971393	13.942787
6.834681	6.834681	10.252022				6.971393	13.942787
177.70172	191.371083	8871.41666				1338.50761	752.910528
199.664742	203.19906	22528.3929				1418.88112	841.467456
21.963022	11.827976	13656.9763				80.373515	88.556927
199.664742	203.19906	22528.3929				1418.88112	841.467456
0.13	0.14	6.49				0.96	0.54
164.032357	191.371083	8543.35194				1268.79367	697.139378
185.654281	203.19906	21594.5205				1345.77602	779.919142

0.08	0.08	0.12				0.08	0.12
0.48	0.56	25				3.64	2
350.51833		810.597837				365.786565	375.701448
3.505183		16.211956				3.657865	7.514028
0.52	0.56	25.96				3.84	2.16
0.001413	0.001666	0.077261				0.012	0.00675
21.963022	11.827976	13656.9763				80.373515	88.556927
21.963022	11.827976	13656.9763				80.373515	88.556927
0.04		0.96				0.2	0.16
13.669363		328.064714				69.713937	55.77115
0.11	0.13	6.23				0.91	0.47
-21.963022	-11.827976	-13656.976				-80.373515	-88.556927
-207.6173	-215.02704	-35251.497				-1426.1495	-868.47607
0.01		0.24				0.05	0.04
40.6398	41.0759	1565.3244				295.706	169.8283
0.06	0.09	0.45				0.29	0.23
177.70172	191.371083	8871.41666				1338.50761	752.910528
177.70172	191.371083	8871.41666				1338.50761	752.910528
177.70172	191.371083	8871.41666				1338.50761	752.910528
0.52	0.56	25.96				3.84	2.16
177.70172	191.371083	8871.41666				1338.50761	752.910528

10.262704	10.371482	10.906154	10.378849	10.405927	10.511932	10.421347	10.446956
0.646736	0.596101	0.380956	0.573308	0.596246	0.564983	0.608451	0.580796
0.611099	0.558301	0.360468	0.539965	0.567216	0.535332	0.576667	0.547255
408880.719	342365.017	227652.548	346935.444	331458.609	343950.487	343065.976	326456.477
1319.17102	1170.6376	947.107973	1453.91786	1285.99523	1121.0348	1125.9755	1117.84203
13178.246	10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144
0.056413	0.068005	0.055773	0.061306	0.05025	0.057897	0.05225	0.064125
133847.571	111997.215	74621.7134	113614.409	108521.937	112837.932	110053.805	104630.435
158939.886	133243.593	88452.0433	134826.05	128855.891	133277.01	135059.668	128710.82
2.9942	2.994199	2.994199	2.9942	2.9942	2.9942	3.056	3.056
242826.262	203185.348	135378.712	206119.26	196880.497	204710.576	202058.787	192101.478
20348.264	18350.59	18591.436	19362.612	17809.712	19432.932	17772.208	17549.528
55.294195	54.614851	55.331654	55.00742	55.65535	55.207193	55.53815	54.842275
21564.8	19689.6	19689.6	20627.2	18752	20627.2	18752	18752
58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6
13178.246	10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144
33.817996	35.179571	38.053561	35.136255	34.945312	36.485749	35.559097	36.704064
31.258795	31.586711	33.191277	31.609323	31.689438	32.011792	32.385337	32.458292
435397.341	369073.496	249533.386	375216.611	356253.149	371239.585	366360.415	353501.715
788417.382	632428.992	570223.4	538975.905	499187.729	560903.962	772547.363	701441.049
353020.041	263355.496	320690.014	163759.294	142934.579	189664.377	406186.948	347939.334
788417.382	632428.992	570223.4	538975.905	499187.729	560903.962	772547.363	701441.049
347.24	313.15	317.26	330.42	303.92	331.62	303.28	299.48
1.682568		10.852507	24.370457	21.459216			
2.419164		10.797306	33.360893	37.391177			

0.048173		0.318652	0.622932	0.631837			
0.048173		0.318652	0.694831	0.631837			
32.847389	33.604231	15.690631	30.009186	35.306332	35.756187	34.980426	35.596918
26.277911	27.219427	11.611067	30.009186	28.890486	30.035197	24.836102	26.697688
13178.246	10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144
35.810451	32.71647	21.123482	31.64196	33.238887	31.370482	33.792737	32.0692
283057.916	204814.551	281685.244	104373.043	86210.1632	130683.99	348661.824	293249.005
283057.916	204814.551	281685.244	104373.043	86210.1632	130683.99	348661.824	293249.005
13178.1978	10992.734	7097.17135	11137.2752	10635.8122	11042.41	10813.676	10262.144
408880.719	342365.017	227652.548	346935.444	331458.609	343950.487	343065.976	326456.477
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-353022.46	-263355.5	-320700.81	-163792.65	-142971.97	-189664.38	-406186.95	-347939.33
15.62	12.93	17.97	131.69	16.73	17.93	12.46	16.32
96626.7866	81687.7419	69725.7752	70430.1229	71535.3698	91876.7187	83772.1289	78159.8924
1.37	1.38	1.13	1.46	1.28	1.41	1.18	1.37
26514.9389	26708.4786	21869.9861	28256.7962	24773.0816	27289.0977	23294.439	27045.2385
505359.466	427614.44	288538.156	434602.862	412977.566	430219.972	423885.539	408192.044
505359.466	427614.44	288538.156	434602.862	412977.566	430219.972	423885.539	408192.044
401766.149	336428.941	223830.756	340945.311	325736.388	337987.586	337118.454	320812.298
13178.246	10992.734	7097.49	11137.97	10636.444	11042.41	10813.676	10262.144
26514.9389	26708.4786	21869.9861	28256.7962	24773.0816	27289.0977	23294.439	27045.2385
505359.466	427614.44	288538.156	434602.862	412977.566	430219.972	423885.539	408192.044
7116.25284	5936.07636	3832.6446	6014.5038	5743.67976	5962.9014	5947.5218	5644.1792
		0.02	0.04	0.04			
8.85	6.6	2.7	3.9	2.4	2.25	5.1	6.45
0.16802	0.140963	0.072734	0.065043	0.029337	0.041571	0.154896	0.128037
0.16413	0.135029	0.06994	0.064318	0.029312	0.039403	0.151031	0.122906
22493.6839	10112.1084	1631.21611	4516.22955	856.447551	3262.58484	7180.24265	5853.30086
66.14078	31.623171	6.121207	18.542034	3.246363	10.277083	22.913913	19.300768
845.6	635.18	329	316.96	131.32	194.18	676.62	550.62
0.027798	0.032142	0.033869	0.035312	0.026156	0.029375	0.028281	0.024625
12684	9527.7	4935	4754.4	1969.8	2912.7	10149.3	8259.3
62673.1992	47415.7518	23699.7766	25770.7632	12151.2207	18803.266	63369.9348	51983.5196
2.87164	2.155192	0.879847	1.380954	0.98163	0.993989	1.878941	2.403998
4514.14534	2014.07984	337.333754	828.526253	127.405998	493.826201	1134.51572	910.930715
5008.78	4552.8	4544.68	4753.98	4362.82	4783.24	4353.3	4369.68
13.610815	13.55	13.525833	13.505625	13.633812	13.58875	13.604062	13.65525
5152	4704	4704	4928	4480	4928	4480	4480
14	14	14	14	14	14	14	14
845.6	635.18	329	316.96	131.32	194.18	676.62	550.62
43.772006	32.492802	14.019432	20.831062	14.736963	15.04971	28.662327	36.638074
43.772006	32.492802	14.019432	20.831062	14.736963	15.04971	28.662327	36.638074
62925.1992	47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196
96868.3924	72270.5916	105464.388	33012.9487	15368.0657	23995.6557	99702.9532	82984.8659

33943.1932	24707.8398	81712.1118	7158.18555	3206.34502	5076.88965	36060.0184	30854.3463
96868.3924	72270.5916	105464.388	33012.9487	15368.0657	23995.6557	99702.9532	82984.8659
186.23	130.25	84.29	79.19	41.66	47.61	118.9	129.32
40431.5153	37450.6435	22121.0605	21338.5336	11305.2732	15656.1812	56462.6921	46277.2187
61775.2317	57100.2286	98601.8843	27301.3292	14185.1725	19903.0959	89179.7824	73907.651
7.130595	5.399502	2.452036	3.486488	2.221327	2.015187	4.595591	5.890396
544.656977	500.90801	306.511083	261.724916	122.826266	161.258253	600.985618	489.891285
78.031464	78.687149	75.90936	83.749679	100.327616	103.28335	93.355576	96.368562
45.894008	30.609038	10.62731	16.683718	9.029485	14.459669	28.006673	32.765311
845.6	635.18	329	316.96	131.32	194.18	676.62	550.62
2.297826	1.890416	0.979166	0.900454	0.410375	0.551647	2.114437	1.720687
33943.1932	24707.8398	81712.1118	7158.18555	3206.34502	5076.88965	36060.0184	30854.3463
33943.1932	24707.8398	81712.1118	7158.18555	3206.34502	5076.88965	36060.0184	30854.3463
300.943022	134.271989	22.488916	55.235083	8.493733	32.921746	75.634381	60.728714
22493.6839	10112.1084	1631.21611	4516.22955	856.447551	3262.58484	7180.24265	5853.30086
13.41	12.36	3.82	9.02	4.3	4.76	11.48	9.26
-33943.193	-24707.84	-81712.112	-7158.1855	-3206.345	-5076.8897	-36060.018	-30854.346
-95718.425	-81808.068	-180314	-34459.515	-17391.518	-24979.986	-125239.8	-104762
5.37	2.74	0.21	1.37	0.28	0.73	1.2	1.16
19775.6343	13863.692	5665.6959	5451.9299	2419.4121	4321.1537	14806.6472	11654.1109
0.24	0.14	0.05	0.08	0.01	0.11	0.26	0.14
252	147	52.5	84	10.5	115.5	273	147
62925.1992	47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196
62925.1992	47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196
62673.1992	47415.7518	23699.7766	25770.7632	12151.2207	18803.266	63369.9348	51983.5196
845.6	635.18	329	316.96	131.32	194.18	676.62	550.62
252	147	52.5	84	10.5	115.5	273	147
62925.1992	47562.7518	23752.2766	25854.7632	12161.7207	18918.766	63642.9348	52130.5196

10.900625	10.991821	11.440347	10.957533	10.942855	11.030819	11.043581	11.059875
0.502585	0.464603	0.311241	0.378849	0.413886	0.395185	0.472525	0.445706
0.483164	0.44732	0.292489	0.30909	0.397511	0.372687	0.455738	0.428392
2193273.93	1775686.17	1074221.81	1177995.71	1378930.71	1581536.26	1726938.85	1595083.16
7023.04454	6031.94483	4461.08588	4908.43295	5341.39943	5145.42586	5653.96531	5438.97737
65272.026	55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18
0.038584	0.034009	0.033233	0.034927	0.034318	0.033982	0.034653	0.035059
707239.188	599717.761	403991.897	431813.673	503618.137	520905.78	582775.669	548004.6
1287348.89	1054889.78	688441.199	744389.015	735998.271	801010.69	1187109.26	1071337.74
3.086385	3.023743	2.96683	2.960325	2.930498	2.976012	3.193011	3.161821
961674.304	832156.93	598774.108	590644.574	778019.45	807037.977	815692.878	780942.387
84863.3088	50893.3573	9360.61055	25984.182	6381.93718	19639.6293	36032.544	27050.8408
129797.154	118763.38	115960.276	105359.037	112844.567	121843.687	113319.848	112732.273
352.709657	353.46244	345.119869	299.315446	352.639271	346.146838	354.124525	352.288353
135092.8	123345.6	123345.6	129219.2	117472	129219.2	117472	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
65272.026	55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18

295.225308	251.684184	197.688325	187.167336	171.904876	168.828279	250.881472	299.568358
35.391025	34.851941	35.366152	33.926672	33.463104	34.218253	36.860183	36.51953
2412418.25	2025673.96	1379219.89	1440267.33	1621679.19	1721954.77	2134881.25	1982834.66
4172081.89	3332888.16	3209744.55	2040878.93	2208070.07	2475168.21	4131460.99	3698507.24
1759663.63	1307214.2	1830524.66	600611.598	586390.879	753213.439	1996579.74	1715672.58
4172081.89	3332888.16	3209744.55	2040878.93	2208070.07	2475168.21	4131460.99	3698507.24
1853.86	1512.52	1238.19	1181.86	1134.66	1194.13	1480.71	1507.43
180170.995	212756.654	273286.221	226128.218	206857.295	102127.215	375535.788	348654.786
273149.686	332371.732	1027986.4	319515.668	287905.031	134862.97	619417.016	574886.266
4.359944	4.051779	3.161399	9.124787	7.58811	3.076819	4.046293	5.286433
2605.03242	3210.24013	4181.05153	4180.38567	3863.48955	1235.11549	4558.24728	4446.48717
51.446407	44.31027	23.111176	37.219798	38.357046	39.392979	47.073946	46.494704
51.395188	44.282093	23.096896	37.168948	38.278284	39.367616	46.683344	46.439196
65272.026	55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18
177.369635	164.211464	107.372815	113.46709	145.926493	136.813426	167.301475	157.263062
1452516.66	1041173.77	1643045.09	403942.766	337769.183	498945.582	1739693.13	1469358.02
1452516.66	1041173.77	1643045.09	403942.766	337769.183	498945.582	1739693.13	1469358.02
62666.9936	51964.8119	31896.2145	35760.0303	42832.9885	46923.2105	48978.2247	45877.6928
2193273.93	1775686.17	1074221.81	1177995.71	1378930.71	1581536.26	1726938.85	1595083.16
65.39	64.49	45.53	60.96	64.6	29.61	73.55	69.71
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300.85	267.06	277.81	270.06	230.72	319.9	243.22	244.31
		0.017316	0.045454		0.016528		
399091.089	329527.396	236582.245	216613.066	238218.239	299082.923	335191.885	306448.873
5.67	4.44	4.53	4.07	3.88	3.82	4.68	4.7
40244.7865	37889.418	32022.6124	36745.3476	36252.8294	38710.4189	33265.8251	39614.5011
2719565.23	2291714.39	1566699.47	1636936.16	1870300.89	1976222.63	2391767.86	2229149.22
2719565.23	2291714.39	1566699.47	1636936.16	1870300.89	1976222.63	2391767.86	2229149.22
2249023.19	1887046.71	1287215.31	1335033.59	1514017.72	1608048.67	2002802.14	1852280.12
65272.026	55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18
40244.7865	37889.418	32022.6124	36745.3476	36252.8294	38710.4189	33265.8251	39614.5011
2719565.23	2291714.39	1566699.47	1636936.16	1870300.89	1976222.63	2391767.86	2229149.22
123150.277	100737.832	59981.9761	68488.3929	71408.638	75195.6853	98813.2821	90940.0321
1.53	3.93	12.02	17.62	24.5	1.7	3.15	5.93

5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94
1034566.62	813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454
3349.77909	2757.57089	1199.97421	3000.95818	1910.08625	3322.21956	2273.40465	2238.73842
-113004.48	-98113.627	-81298.475	-84125.618	-82500.98	-108095.21	-97644.256	-93659.704
113004.484	98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037
1034566.62	813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454
299.95	266.68	277.92	272.66	229.35	320.06	242.29	243.46
234.335912	221.095927	199.275866	190.121097	174.494372	230.08524	196.994852	198.898993
107.646656	106.334584	105.788937	100.971416	81.697036	120.181979	100.869592	100.831929
34938.1669	32009.4234	32877.6814	28839.4812	21399.5118	40506.3206	28955.876	28672.2176

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5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94
6723824.09	5256929.29	3370312.43	3898562.96	3608558.68	5187260.73	5996645.85	5419480.39
113004.484	98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037
5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94
5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94
5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94
5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94
1034566.62	813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454
3349.77909	2757.57089	1199.97421	3000.95818	1910.08625	3322.21956	2273.40465	2238.73842
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1034566.62	813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454
299.95	266.68	277.92	272.66	229.35	320.06	242.29	243.46
234.335912	221.095927	199.275866	190.121097	174.494372	230.08524	196.994852	198.898993
107.646656	106.334584	105.788937	100.971416	81.697036	120.181979	100.869592	100.831929
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6723824.09	5256929.29	3370312.43	3898562.96	3608558.68	5187260.73	5996645.85	5419480.39
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5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94

192802.509	173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601
635.797553	599.823371	930.268176	1123.0109	969.583668	912.999877	900.379575	972.134149
4738.32659	4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984
229800.433	188221.156	200340.148	247507.422	230288.844	262712.838	351507.489	337984.428
4738.32659	4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984
12.875887	12.666296	16.277279	18.663285	19.133986	19.505894	20.229447	20.936436
36997.924	15049.5785	-22200.217	-19804.584	-18850.961	-16667.753	77487.4848	54387.8274

36997.924	15049.5785	-22200.217	-19804.584	-18850.961	-16667.753	77487.4848	54387.8274
4738.32659	4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984
192802.509	173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601
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113004.484	98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037
192802.509	173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601
192802.509	173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601
4738.32659	4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984
192802.509	173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601
192802.509	173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601
4738.32659	4255.87557	5469.16601	6569.47667	6122.87553	6866.07497	6473.4232	6699.65984
229800.433	188221.156	200340.148	247507.422	230288.844	262712.838	351507.489	337984.428
36997.924	15049.5785	-22200.217	-19804.584	-18850.961	-16667.753	77487.4848	54387.8274
192802.509	173171.577	222540.365	267312.006	249139.805	279380.59	274020.004	283596.601

187874.965	168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223
619.514177	584.128213	904.194229	1091.50907	942.963931	887.818422	872.037345	941.722734
5332.81196	4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594
258747.99	211748.671	224664.165	277845.052	258702.112	295031.827	394942.26	379800.009
32.631422	27.342726	15.575951	28.790546	34.778903	29.807831	21.407316	19.238641
1.631571	1.367136	0.934557	7.773447	0.695578	2.384626	0.214073	0.192386
5332.81196	4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594
14.491336	14.246839	18.27265	20.950278	21.492751	21.906976	22.728234	23.527612
70873.0251	43104.8366	8365.6846	18041.4823	16401.4281	23364.2838	129549.21	105072.786
70873.0251	43104.8366	8365.6846	18041.4823	16401.4281	23364.2838	129549.21	105072.786
5332.81196	4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594
187874.965	168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223
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0.23	0.52	0.64	3.36	0.18	0.79	0.08	0.05
113004.484	98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037
187874.965	168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223
187874.965	168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223
5332.81196	4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594
187874.965	168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223
187874.965	168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223
5332.81196	4786.93823	6139.61058	7374.49815	6877.6805	7711.25584	7273.0351	7528.83594
258747.99	211748.671	224664.165	277845.052	258702.112	295031.827	394942.26	379800.009
70873.0251	43104.8366	8365.6846	18041.4823	16401.4281	23364.2838	129549.21	105072.786
187874.965	168643.834	216298.481	259803.57	242300.684	271667.543	265393.051	274727.223

166037.347	163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382
542.694191	560.864188	509.312402	433.033527	448.724171	512.949464	488.194698	458.811456
3241.01791	3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786
161071.548	140090.243	80211.9551	75949.1413	85481.364	115480.096	161488.342	134165.22
3241.01791	3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786

8.807113	9.474489	7.115847	5.718457	7.042826	8.695982	9.071512	8.177055
-4965.7996	-22996.8	-42275.126	-27171.577	-29975.918	-41334.208	12773.5922	113.83763
-4965.7996	-22996.8	-42275.126	-27171.577	-29975.918	-41334.208	12773.5922	113.83763
3241.01791	3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786
166037.347	163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382
4965.79962	22996.7995	42275.1263	27171.5773	29975.9176	41334.2081	-12773.592	-113.83763
4965.79962	22996.7995	42275.1263	27171.5773	29975.9176	41334.2081	-12773.592	-113.83763
113004.484	95390.8685	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037
166037.347	163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382
166037.347	163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382
3241.01791	3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786
166037.347	163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382
166037.347	163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382
3241.01791	3183.42851	2390.92487	2012.8971	2253.7045	3060.98583	2902.88405	2616.65786
161071.548	140090.243	80211.9551	75949.1413	85481.364	115480.096	161488.342	134165.22
-4965.7996	-22996.8	-42275.126	-27171.577	-29975.918	-41334.208	12773.5922	113.83763
166037.347	163087.042	122487.081	103120.719	115457.282	156814.304	148714.75	134051.382

164823.571	151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575
546.763533	525.174766	835.438465	1186.56445	925.680591	784.12991	816.829498	630.32694
2087.16691	1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959
95896.9315	81480.9385	81102.8856	134037.057	114666.696	114254.697	170431.193	116697.667
2087.16691	1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959
5.671649	5.693896	7.514517	10.13987	9.419434	8.600461	9.565039	7.076998
-68926.64	-69600.467	-118286.72	-147825.38	-123366.19	-124816.1	-77341.579	-66624.908
-68926.64	-69600.467	-118286.72	-147825.38	-123366.19	-124816.1	-77341.579	-66624.908
2087.16691	1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959
164823.571	151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575
68926.6395	69600.4666	118286.718	147825.38	123366.191	124816.104	77341.5794	66624.9081
68926.6395	69600.4666	118286.718	147825.38	123366.191	124816.104	77341.5794	66624.9081
109801.633	98113.627	81298.4752	84125.6178	82377.1284	108095.21	95976.5897	89541.7009
164823.571	151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575
164823.571	151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575
2087.16691	1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959
164823.571	151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575
164823.571	151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575
2087.16691	1913.14936	2524.87785	3569.23436	3014.21916	3027.3623	3060.81251	2264.63959
95896.9315	81480.9385	81102.8856	134037.057	114666.696	114254.697	170431.193	116697.667
-68926.64	-69600.467	-118286.72	-147825.38	-123366.19	-124816.1	-77341.579	-66624.908
164823.571	151081.405	199389.604	281862.438	238032.887	239070.801	247772.772	183322.575

711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781
2344.76946	2269.99054	3179.21327	3834.11795	3286.95236	3097.89767	3077.44112	3002.99528
15399.3234	14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932
745516.903	621541.008	586319.154	735338.672	689139.016	787479.458	1078369.28	968647.324
32.631422	27.342726	15.575951	28.790546	34.778903	29.807831	21.407316	19.238641
1.631571	1.367136	0.934557	7.773447	0.695578	2.384626	0.214073	0.192386

15399.3234	14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932
41.845987	42.081522	49.180295	55.471892	57.088999	58.709315	61.594233	59.718103
33978.51	-34442.851	-174396.38	-176760.06	-155791.64	-159453.78	142468.707	92949.5426
33978.51	-34442.851	-174396.38	-176760.06	-155791.64	-159453.78	142468.707	92949.5426
15399.3234	14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781
-33978.51	34442.851	174396.376	176760.059	155791.641	159453.781	-142468.71	-92949.543
-33978.51	34442.851	174396.376	176760.059	155791.641	159453.781	-142468.71	-92949.543
0.23	0.52	0.64	3.36	0.18	0.79	0.08	0.05
448815.084	389731.75	325193.901	336502.471	329880.068	432380.84	388909.357	370520.812
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781
15399.3234	14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781
15399.3234	14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932
745516.903	621541.008	586319.154	735338.672	689139.016	787479.458	1078369.28	968647.324
33978.51	-34442.851	-174396.38	-176760.06	-155791.64	-159453.78	142468.707	92949.5426
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781

10.900625	10.991821	11.440347	10.957533	10.942855	11.030819	11.043581	11.059875
0.502585	0.464603	0.311241	0.378849	0.413886	0.395185	0.472525	0.445706
0.483164	0.44732	0.292489	0.30909	0.397511	0.372687	0.455738	0.428392
5689257.47	4443900.09	3072128.53	3182421.83	3113169.91	4161470.79	5297999.05	4760102.94
3939378.95	3244699.23	2133121.24	2806235.57	2719250.14	3554259.43	3361486.23	3130158.39
12717.5931	11059.5063	8840.27337	11743.5091	10538.438	11565.5431	11004.8111	10680.7111
-32333.134	-28799.183	-28696.63	-24659.096	-17536.022	-39271.205	-24397.629	-24225.73
3451696.86	3151549.31	3151549.31	3301623.09	3001475.53	3301623.09	3061505.05	3061505.05
0.038584	0.034009	0.033233	0.034927	0.034318	0.033982	0.034653	0.035059
707239.188	599717.761	403991.897	431813.673	503618.137	520905.78	582775.669	548004.6
1287348.89	1054889.78	688441.199	744389.015	735998.271	801010.69	1187109.26	1071337.74
3.086385	3.023743	2.96683	2.960325	2.930498	2.976012	3.193011	3.161821
961674.304	832156.93	598774.108	590644.574	778019.45	807037.977	815692.878	780942.387
84863.3088	50893.3573	9360.61055	25984.182	6381.93718	19639.6293	36032.544	27050.8408
129797.154	118763.38	115960.276	105359.037	112844.567	121843.687	113319.848	112732.273
352.709657	353.46244	345.119869	299.315446	352.639271	346.146838	354.124525	352.288353
135092.8	123345.6	123345.6	129219.2	117472	129219.2	117472	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
65272.026	55175.052	36077.266	39940.416	46696.478	48158.326	53536.472	50324.18
295.225308	251.684184	197.688325	187.167336	171.904876	168.828279	250.881472	299.568358
35.391025	34.851941	35.366152	33.926672	33.463104	34.218253	36.860183	36.51953
2412418.25	2025673.96	1379219.89	1440267.33	1621679.19	1721954.77	2134881.25	1982834.66
4172081.89	3332888.16	3209744.55	2040878.93	2208070.07	2475168.21	4131460.99	3698507.24
113004.484	98113.627	81298.4752	84125.6178	82500.9799	108095.21	97644.2556	93659.7037
1759663.63	1307214.2	1830524.66	600611.598	586390.879	753213.439	1996579.74	1715672.58

4917598.79	3954429.17	3796063.71	2776217.6	2897209.08	3262647.67	5209830.27	4667154.56
1853.86	1512.52	1238.19	1181.86	1134.66	1194.13	1480.71	1507.43
180170.995	212756.654	273286.221	226128.218	206857.295	102127.215	375535.788	348654.786
36.757809	33.78642	29.127104	29.290144	29.255941	29.831989	40.408184	37.947009
1034566.62	813029.198	298183.897	716141.128	495388.774	1025789.94	698646.801	659377.454
299.95	266.68	277.92	272.66	229.35	320.06	242.29	243.46
234.335912	221.095927	199.275866	190.121097	174.494372	230.08524	196.994852	198.898993
6.727916	6.645911	6.611808	8.414284	6.808086	10.015164	6.304349	6.301995
34,938	32,009	32,878	28,839	21,400	40,506	28,956	28,672
273149.686	332371.732	1027986.4	319515.668	287905.031	134862.97	619417.016	574886.266
2.997461	2.785598	2.173462	5.322792	4.426398	1.794811	2.781826	3.634422
2,605	3,210	4,181	4,180	3,863	1,235	4,558	4,446
51.28201	44.234924	23.059669	37.059972	38.377142	39.296444	47.064269	46.507071
51.230803	44.206834	23.045513	37.015296	38.298444	39.271083	46.673682	46.451563
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78066.3169	66104.2036	48420.7938	55286.1366	61101.4681	67588.8895	68688.3796	64987.4861
2904812.33	2431670.03	1834937.34	2090094.44	2223861.37	2528469.5	2662839.43	2470780.94
7347312.19	6322678.05	4567549.56	6060193.38	5684046.21	6869334.22	6220455.65	6012985.86
8108729.13	6803335.51	3837747.06	6456818.84	5891529.95	7760261.19	6299685.43	6097477.05
		0.017316	0.045454		0.016528		
960910.657	817372.773	643074.621	637241.155	650599.287	839558.973	821745.497	770629.389
5.67	4.44	4.53	4.07	3.88	3.82	4.68	4.7
40244.7865	37889.418	32022.6124	36745.3476	36252.8294	38710.4189	33265.8251	39614.5011
12572058	10543147.6	8551092.84	9033079.81	8829876.99	10386249.7	11687172.5	10926455
9120361.09	7391598.33	5399543.52	5731456.72	5828401.45	7084626.66	8625667.48	7864949.94
2249023.19	1887046.71	1287215.31	1335033.59	1514017.72	1608048.67	2002802.14	1852280.12
80671.3494	69314.4437	52601.8453	59466.5223	64964.9577	68824.0049	73246.6269	69433.9732
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9120361.09	7391598.33	5399543.52	5731456.72	5828401.45	7084626.66	8625667.48	7864949.94
123150.277	100737.832	59981.9761	68488.3929	71408.638	75195.6853	98813.2821	90940.0321
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781
15399.3234	14139.3917	16524.5793	19526.1063	18268.4797	20665.6789	19710.1549	19109.7932
745516.903	621541.008	586319.154	735338.672	689139.016	787479.458	1078369.28	968647.324
33978.51	-34442.851	-174396.38	-176760.06	-155791.64	-159453.78	142468.707	92949.5426
711538.393	655983.859	760715.531	912098.732	844930.658	946933.239	935900.578	875697.781

2027-03	2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10
3520730.8	3367655.55	3061505.05	3367655.55	3367655.55	3367655.55	3214580.3	3214580.3
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3520730.8	3367655.55	3061505.05	3367655.55	3367655.55	3367655.55	3214580.3	3214580.3
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41.643604	37.878964	39.185064	38.877754	49.019224	44.563124	37.571654	37.802144
23.773288	23.773327	23.773288	23.773308	23.77321	23.773366	23.773308	23.773249
41.517904	37.753264	39.059364	38.752054	48.893524	44.437424	37.445954	37.676444
41.614596	37.849956	39.156056	38.848746	48.990216	44.534116	37.542646	37.773136
40.889407	37.124767	38.430867	38.123557	48.265027	43.808927	36.817457	37.047947
41.169813	37.405173	38.711273	38.403963	48.545433	44.089333	37.097863	37.328353
41.595258	37.830618	39.136718	38.829408	48.970878	44.514778	37.523308	37.753798
41.633934	37.869294	39.175394	38.868084	49.009554	44.553454	37.561985	37.792474
21.904879	21.904879	21.904879	21.904879	21.904879	21.904879	21.904879	21.904879
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
41.33419	37.56955	38.87565	38.56834	48.70981	44.25371	37.26224	37.49273
5.668485	5.078214	4.748071	4.728064	4.748539	4.741064	4.755855	4.878172
31.997113	29.438167	30.281385	30.074846	36.837524	33.866181	29.206429	29.370277
31.997113	29.438167	30.281385	30.074846	36.837524	33.866181	29.206429	29.370277

0.27788		0.416819	0.27788	0.55576	0.13894	0.555759	0.13894
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0.000217		0.009888	0.004974	0.001515	0.000328	0.011878	0.003624
		779.993924	2430.90409	591.346394	129.643393	2584.55428	
		3.182991	8.080166	1.65138	0.371791	8.686123	
1.8		71.2	39.4	12	2.6	89.8	27.4
0.027608	0.03375	0.032718	0.029943	0.028693	0.029602	0.024702	0.029761
25.0092		989.252799	547.4236	166.728	36.1244	1247.6812	380.6956
547.823506		21669.4632	11991.2479	3652.15671	791.300621	27330.3061	8339.09116
0.464759		0.697139	0.464759	0.929519	0.232379	0.929519	0.232379
33.339764		1318.77291	729.770401	222.265096	48.157437	1663.28381	507.505304
8051.4	7652.7	6964.425	7682.85	7692.75	7685.55	7373.25	7335
21.878804	21.740625	21.763828	21.826278	21.854403	21.833948	21.944196	21.830357
8280	7920	7200	7920	7920	7920	7560	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1.8		71.2	39.4	12	2.6	89.8	27.4
6.564924		9.767696	6.492542	13.283537	3.241084	13.037585	3.241084
6.564924		9.767696	6.492542	13.283537	3.241084	13.037585	3.241084
593.325871		23116.2465	12789.7355	3909.16301	842.682058	29154.5949	8880.57246
625.106775		38629.681	17335.3199	4429.78575	927.225383	47874.3605	11524.6762
31.780904		15513.4346	4545.5844	520.622738	84.543324	18719.7656	2644.10374
625.106775		38629.681	17335.3199	4429.78575	927.225383	47874.3605	11524.6762
0.85		7.99	6.56	7.36	2.19	10.47	3.36
593.325871		22336.2525	10358.8314	3317.81661	713.038665	26570.0406	8880.57246
625.106775		37686.396	13882.4126	3797.99965	780.105042	43283.0187	11524.6762
0.4		0.587561	0.383555	0.778894	0.2	0.791766	0.2
1.8		68.793417	31.89972	10.175467	2.2	81.82565	27.4
		325.706668	328.13212	333.972298		324.52642	
		3.257066	6.562642	10.019168		6.490528	
1.8		71.2	39.4	12	2.6	89.8	27.4
0.004891		0.2225	0.111931	0.03409	0.007386	0.267261	0.081547
31.780904		15513.4346	4545.5844	520.622738	84.543324	18719.7656	2644.10374
31.780904		15513.4346	4545.5844	520.622738	84.543324	18719.7656	2644.10374
		2.406582	7.500279	1.824532	0.4	7.974349	
		779.993924	2430.90409	591.346394	129.643393	2584.55428	
0.07		0.36	0.27	0.2	0.06	0.48	0.13
-31.780904		-15513.435	-4545.5844	-520.62274	-84.543324	-18719.766	-2644.1037
-656.88768		-53199.831	-18427.997	-4318.6224	-864.64837	-62002.784	-14168.78
		0.01	0.04	0.06		0.01	
24.966		853.0741	551.1477	206.7101	42.9841	1166.2512	332.3936
0.01		0.04	0.02	0.02		0.05	
9.9306		39.7224	19.8612	19.8612		49.653	
593.325871		23116.2465	12789.7355	3909.16301	842.682058	29154.5949	8880.57246
593.325871		23116.2465	12789.7355	3909.16301	842.682058	29154.5949	8880.57246
581.163271		22988.2361	12721.0183	3874.42181	839.458058	28993.5899	8846.59646

1.8		71.2	39.4	12	2.6	89.8	27.4
9.9306		39.7224	19.8612	19.8612		49.653	
593.325871		23116.2465	12789.7355	3909.16301	842.682058	29154.5949	8880.57246
2.232		88.288	48.856	14.88	3.224	111.352	33.976
5.46302	5.27464	2.73151	4.33274	7.15844	5.55721	2.8257	3.95598
0.162206	0.162833	0.18027	0.167201	0.28432	0.249358	0.17308	0.145458
0.158043	0.158153	0.174656	0.159346	0.275369	0.242244	0.168065	0.141547
65126.1674	27619.9025	105131.726	124047.119	286054.052	222159.775	64140.9535	32259.6423
236.337115	114.508431	445.958286	442.488132	863.865075	716.096065	241.763676	130.1856
3373.28	3228.86	3241.62	3253.22	5621.94	4945.66	3275.26	2758.48
0.031467	0.030142	0.033	0.032528	0.029204	0.026846	0.030654	0.026845
31772.9243	30412.6323	30532.8188	30642.0792	52953.0529	46583.1715	30849.6739	25982.1231
183747.066	163916.154	142118.787	149616.936	260180.512	229176.723	147552.493	136106.918
3.127704	2.895754	1.380732	2.21448	3.650462	2.845453	1.438418	2.057926
9633.59877	4399.03062	18841.6444	21330.9553	48952.252	38065.0594	11294.7328	5157.92823
20672.36	19800.62	17947.52	19751.9	19819.76	19867.9	18890.6	18964.84
56.174891	56.251761	56.086	56.113352	56.306136	56.442897	56.222023	56.442976
21344	20416	18560	20416	20416	20416	19488	19488
58	58	58	58	58	58	58	58
3373.28	3228.86	3241.62	3253.22	5621.94	4945.66	3275.26	2758.48
34.627793	32.270619	15.552326	25.035244	41.198346	32.028361	16.192869	23.136703
34.627793	32.270619	15.552326	25.035244	41.198346	32.028361	16.192869	23.136703
213345.605	192271.931	170466.919	178230.282	309520.378	272450.405	176216.112	160315.624
341753.705	283312.488	446942.529	346305.901	546762.983	476300.246	488633.646	283468.096
128408.1	91040.5575	276475.61	168075.619	237242.605	203849.842	312417.534	123152.472
341753.705	283312.488	446942.529	346305.901	546762.983	476300.246	488633.646	283468.096
200.44	162.57	91.73	128.73	224.15	175.71	105.18	100.3
148219.438	164652.028	65335.1928	54183.1633	23466.326	50290.6293	112075.159	128055.982
236001.316	241989.545	156172.442	100749.209	36851.4444	80964.8729	301144.578	225408.741
26.342362	29.943505	9.073578	12.346936	12.122727	11.575384	13.158139	21.073418
2350.4964	2761.82203	1241.23308	988.546966	424.758553	904.354193	2076.11648	2210.8711
63.190354	59.678731	54.535895	55.961074	58.007001	57.014431	54.999668	56.541028
33.450334	26.82793	15.802541	25.695453	44.070426	33.621991	16.486205	20.878613
3373.28	3228.86	3241.62	3253.22	5621.94	4945.66	3275.26	2758.48
9.166521	9.172897	10.130062	9.242102	15.97142	14.05017	9.747797	8.209761
128408.1	91040.5575	276475.61	168075.619	237242.605	203849.842	312417.534	123152.472
128408.1	91040.5575	276475.61	168075.619	237242.605	203849.842	312417.534	123152.472
1022.7836	467.037967	2000.38692	2264.67303	5197.18145	4041.30581	1199.14352	547.6089
65126.1674	27619.9025	105131.726	124047.119	286054.052	222159.775	64140.9535	32259.6423
21.04	23.86	9.26	12.59	8.3	11.7	9.61	16.75
-128408.1	-91040.557	-276475.61	-168075.62	-237242.6	-203849.84	-312417.53	-123152.47
-364409.42	-333030.1	-432648.05	-268824.83	-274094.05	-284814.71	-613562.11	-348561.21
3.23	1.56	3.86	7.58	24.39	15.5	2.26	1.47
15552.8485	13277.734	13058.6486	15607.8978	32010.3241	26180.2638	14269.889	11645.265
0.55	0.58	0.32	0.68	0.94	0.54	0.37	0.46
251.0035	264.6946	146.0384	310.3316	428.9878	246.4398	168.8569	209.9302

213345.605	192271.931	170466.919	178230.282	309520.378	272450.405	176216.112	160315.624
213345.605	192271.931	170466.919	178230.282	309520.378	272450.405	176216.112	160315.624
183747.066	163916.154	142118.787	149616.936	260180.512	229176.723	147552.493	136106.918
3373.28	3228.86	3241.62	3253.22	5621.94	4945.66	3275.26	2758.48
251.0035	264.6946	146.0384	310.3316	428.9878	246.4398	168.8569	209.9302
213345.605	192271.931	170466.919	178230.282	309520.378	272450.405	176216.112	160315.624
29347.536	28091.082	28202.094	28303.014	48910.878	43027.242	28494.762	23998.776
0.31							0.12
10.956224	10.995482	11.24557	11.090194	10.867684	10.973363	11.275709	11.057976
0.684331	0.6627	0.559958	0.613375	0.72323	0.68304	0.545873	0.627432
0.659655	0.638367	0.540342	0.591053	0.697887	0.657777	0.524117	0.608376
862046.715	689601.107	669671.516	798971.056	940874.196	887483.542	652163.689	712084.027
3273.1063	2920.81412	2903.81205	3023.97276	2991.16399	2999.83684	2649.04116	2927.10187
26945.588	24942.306	19192.97	23093.654	27267.874	25700.678	19547.476	22690.014
0.036548	0.038494	0.03475	0.036732	0.036306	0.035994	0.039166	0.030833
292211.473	271307.996	212303.042	252965.065	294235.035	278808.258	216798.211	248204.697
358511.618	332995.341	257152.65	308170.353	359212.864	340058.485	263872.137	302405.639
3.0451	3.0451	3.0451	3.0451	3.0451	3.0451	3.0451	3.0451
533315.16	495164.223	387474.281	461686.541	537008.362	508852.952	395678.415	452998.392
39355.05	37567.95	34285.68	37636.77	37653.42	37665.63	35835.24	36146.04
106.94307	106.72713	107.14275	106.922642	106.969943	107.00463	106.6525	107.5775
40848	39072	35520	39072	39072	39072	37296	37296
111	111	111	111	111	111	111	111
26945.588	24942.306	19192.97	23093.654	27267.874	25700.678	19547.476	22690.014
35.392151	35.498274	36.31681	35.866542	35.06741	35.43369	36.417881	35.614449
35.023388	35.143079	35.924043	35.443097	34.760919	35.084014	36.00968	35.345106
945359.97	876675.655	683013.751	816605.436	949060.916	900013.709	698969.297	798487.174
1380761.58	1155993.02	1110721.6	1149705.3	1584794.43	1398506.63	1128931.14	1079334.9
435401.61	279317.363	427707.846	333099.864	635733.519	498492.921	429961.848	280847.725
1380761.58	1155993.02	1110721.6	1149705.3	1584794.43	1398506.63	1128931.14	1079334.9
354.55	338.45	308.88	339.07	339.22	339.33	322.84	325.64
74779.1956	180212.108	7007.67532	9452.23976	884.379756	4348.02686	40031.1476	81212.3268
137214.175	301215.441	19519.8391	16062.6798	1463.39491	6599.74726	113175.97	154167.679
19.81439	35.168595	6.203728	10.202751	4.508071	9.304075	10.892601	21.811675
2202.51118	5296.22118	209.803569	278.758481	25.984958	127.497453	1188.59603	2404.77233
29.10937	26.901675	20.487753	26.955342	31.866611	30.004774	17.370783	26.158089
29.083827	26.823764	20.482676	26.948831	31.865073	29.998782	17.361665	26.129605
26945.588	24942.306	19192.97	23093.654	27267.874	25700.678	19547.476	22690.014
73.221706	70.858823	59.978031	65.606971	77.465551	73.013289	58.177011	67.529803
282662.673	137504.674	316737.046	200875.024	481936.866	352759.844	316641.423	151111.13
282662.673	137504.674	316737.046	200875.024	481936.866	352759.844	316641.423	151111.13
24743.0768	19646.0848	18983.1664	22814.8955	27241.889	25573.1805	18358.88	20285.2417
862046.715	689601.107	669671.516	798971.056	940874.196	887483.542	652163.689	712084.027
30.04	40.13	2.29	4.02	0.67	2.15	7.68	23.86
-435401.61	-279317.36	-427707.85	-333099.86	-635733.52	-498492.92	-429961.85	-280847.72
-572615.78	-580532.8	-447227.69	-349162.54	-637196.91	-505092.67	-543137.82	-435015.4

229.1	189.35	241.09	264.06	233.97	242.68	243.99	216.41
90328.3265	77526.7916	69234.8937	87022.573	103043.548	97669.7446	77358.9436	77358.8961
0.97	0.78	0.72	0.93	0.83	0.93	0.77	0.59
8534.06	6862.44	6334.56	8182.14	7302.34	8182.14	6774.46	5190.82
1098098.91	1018488.34	793984.551	948830.275	1102857.57	1045746.79	812289.721	928223.769
1098098.91	1018488.34	793984.551	948830.275	1102857.57	1045746.79	812289.721	928223.769
891826.778	828159.564	644626.932	769856.894	896221.226	848911.437	659550.552	755404.031
26945.588	24942.306	19192.97	23093.654	27267.874	25700.678	19547.476	22690.014
8534.06	6862.44	6334.56	8182.14	7302.34	8182.14	6774.46	5190.82
1098098.91	1018488.34	793984.551	948830.275	1102857.57	1045746.79	812289.721	928223.769
44999.132	41653.651	32052.2599	38566.4022	45537.3496	42920.1323	32644.2849	37892.3234
28.42	46.44	3.89	6.36	0.9	4.22	9.02	31.52
0.3		0.45	0.3	0.6	0.15	0.6	0.15
0.000119		0.011312	0.004857	0.000976	0.000227	0.012897	0.00369
0.000108		0.011312	0.004857	0.00088	0.000227	0.012172	0.00369
		34.972175	266.895751	10.45709	20.914181	320.51008	
		0.151648	0.881353	0.028383	0.059977	1.074448	
0.12		10.86	5.13	0.93	0.24	12.27	3.72
0.027472	0.029943	0.01975	0.034744	0.030369	0.0325	0.033601	0.025297
1.8		162.9	76.95	13.95	3.6	184.05	55.8
39.428782		3568.30483	1685.58046	305.573065	78.857565	4031.59303	1222.29226
0.464759		0.697139	0.464759	0.929519	0.232379	0.929519	0.232379
2.39958		217.161989	102.582045	18.596745	4.79916	245.357055	74.386979
1073.67	1024.38	941.04	1019.31	1023.93	1021.68	974.13	982.5
2.917581	2.91017	2.94075	2.895767	2.908892	2.9025	2.899196	2.924107
1104	1056	960	1056	1056	1056	1008	1008
3	3	3	3	3	3	3	3
0.12		10.86	5.13	0.93	0.24	12.27	3.72
6.971393		10.45709	6.971393	13.942787	3.485696	13.942787	3.485696
6.971393		10.45709	6.971393	13.942787	3.485696	13.942787	3.485696
41.828362		3785.46682	1788.16251	324.16981	83.656725	4276.95009	1296.67924
43.810883		6254.18002	2342.38773	363.311691	89.541707	6805.19935	1594.75753
1.98252		2468.71319	554.22522	39.14188	5.884982	2528.24927	298.078282
43.810883		6254.18002	2342.38773	363.311691	89.541707	6805.19935	1594.75753
0.04		3.62	1.71	0.31	0.08	4.09	1.24
41.828362		3750.49465	1521.26675	313.71272	62.742544	3956.44001	1296.67924
43.810883		6216.29593	1980.49277	352.574434	67.492221	6269.77776	1594.75753
0.06		0.089864	0.059248	0.12	0.03	0.117818	0.03
0.12		10.759669	4.364311	0.9	0.18	11.350499	3.72
		348.569689	348.569689			348.569689	
		3.485696	6.971393			6.971393	
0.12		10.86	5.13	0.93	0.24	12.27	3.72
0.000326		0.033937	0.014573	0.002642	0.000681	0.036517	0.011071
1.98252		2468.71319	554.22522	39.14188	5.884982	2528.24927	298.078282
1.98252		2468.71319	554.22522	39.14188	5.884982	2528.24927	298.078282

		0.10033	0.765688	0.03	0.06	0.9195	
		34.972175	266.895751	10.45709	20.914181	320.51008	
-1.98252		-2468.7132	-554.22522	-39.14188	-5.884982	-2528.2493	-298.07828
-45.793404		-8685.0091	-2534.718	-391.71632	-73.377203	-8798.027	-1892.8358
11.3867		858.3749	479.8619	107.095	26.8375	1063.1977	301.1274
0.04		0.39	0.35	0.15	0.06	0.53	0.17
41.828362		3785.46682	1788.16251	324.16981	83.656725	4276.95009	1296.67924
41.828362		3785.46682	1788.16251	324.16981	83.656725	4276.95009	1296.67924
41.828362		3785.46682	1788.16251	324.16981	83.656725	4276.95009	1296.67924
0.12		10.86	5.13	0.93	0.24	12.27	3.72
41.828362		3785.46682	1788.16251	324.16981	83.656725	4276.95009	1296.67924
11.479522	11.492807	11.991581	11.614183	11.322021	11.482739	12.107699	11.547102
0.761539	0.738597	0.584566	0.703271	0.803679	0.762929	0.570481	0.711606
0.727909	0.704381	0.363364	0.670176	0.769046	0.729399	0.465453	0.680501
315169.975	292390.628	140314.978	279676.583	315647.89	301444.321	190401.729	270390.612
1202.75114	1244.5965	609.029049	1061.61961	1008.71265	1022.76631	788.313732	1114.27452
11518.44	10661.52	4999.9	10143.79	11640.29	11040.19	6724.87	9831.88
0.045108	0.048181	0.046875	0.047329	0.044715	0.044943	0.050654	0.044821
130386.479	120999.938	58467.8513	116059.19	130888.493	124950.873	79257.1146	112249.356
159893.836	148323.038	70866.1765	141581.463	159689.43	152639.288	96316.7827	136805.718
2.3146	2.3146	2.314599	2.3146	2.3146	2.3146	2.314599	2.3146
142721.04	132446.532	63998.9101	127038.389	143270.544	136771.225	86754.8376	122868.145
15110.2	14406.72	8538.51	14419.62	14459.18	14455.74	11799.2	13800.42
41.060326	40.928181	26.682843	40.964829	41.077215	41.067443	35.116666	41.072678
15824	15136	13760	15136	15136	15136	14448	14448
43	43	43	43	43	43	43	43
11518.44	10661.52	4999.9	10143.79	11640.29	11040.19	6724.87	9831.88
28.12672	28.296238	29.623925	28.472708	27.749306	28.143848	29.79639	28.322312
27.646493	27.677879	28.863351	27.972874	27.292781	27.66631	29.121797	27.820792
319695.858	298091.499	143361.245	284289.502	320347.845	305926.685	194274.84	274829.458
552652.883	466051.341	268006.833	471666.085	635659.35	569183.38	375182.4	432318.82
232957.025	167959.842	124645.589	187376.583	315311.504	263256.695	180907.56	157489.362
552652.883	466051.341	268006.833	471666.085	635659.35	569183.38	375182.4	432318.82
351.4	334.75	198.57	335.34	336.26	335.93	274.4	320.94
31.602423	26.57084	20.268937	28.380743	33.079471	29.111709	16.205737	26.013436
7.900605	4.782751	8.918332	17.59606	4.96192	5.531224	3.07909	4.162149
11518.44	10661.52	4999.9	10143.79	11640.29	11040.19	6724.87	9831.88
31.300108	30.288409	15.624687	28.817585	33.069005	31.364176	20.014494	29.261547
164804.013	104713.174	94084.4429	126712.445	246896.089	197944.874	139479.867	98816.6237
164804.013	104713.174	94084.4429	126712.445	246896.089	197944.874	139479.867	98816.6237

11518.44	10661.52	4999.9	10143.79	11640.29	11040.19	6724.87	9831.88
315169.975	292390.628	140314.978	279676.583	315647.89	301444.321	190401.729	270390.612
-232957.03	-167959.84	-124645.59	-187376.58	-315311.5	-263256.7	-180907.56	-157489.36
-232957.03	-167959.84	-124645.59	-187376.58	-315311.5	-263256.7	-180907.56	-157489.36
3.24	2.63	8.54	10.27	1.39	2.13	1.75	1.67
		0.35				0.142857	
88827.2873	75195.5245	42782.0784	85749.4087	101368.73	95972.288	63759.5609	75066.5416
1.04	1.31	0.7	1.06	1.08	1.03	0.89	1.02
4525.8824	5700.8711	3046.267	4612.9186	4699.9548	4482.3643	3873.1109	4438.8462
387848.87	361338.166	173922.39	344953.64	388763.26	371238.506	235702.533	333502.197
387848.87	361338.166	173922.39	344953.64	388763.26	371238.506	235702.533	333502.197
302614.876	280769.571	134865.087	268619.852	302959.974	289410.514	183071.62	259673.863
11518.44	10661.52	4999.9	10143.79	11640.29	11040.19	6724.87	9831.88
4525.8824	5700.8711	3046.267	4612.9186	4699.9548	4482.3643	3873.1109	4438.8462
387848.87	361338.166	173922.39	344953.64	388763.26	371238.506	235702.533	333502.197
12555.0996	11621.0568	5449.891	11056.7311	12687.9161	12033.8071	7330.1083	10716.7492
0.3		0.45	0.3	0.6	0.15	0.6	0.15
0.000108		0.011312	0.004941	0.001022	0.000227	0.012857	0.004305
0.000108		0.011312	0.004744	0.001022	0.000227	0.012857	0.00369
		26.342467	250.970176	20.914181	20.914181	285.172567	
		0.11429	0.82643	0.05558	0.059977	0.94833	
0.12		10.86	5.01	1.08	0.24	12.96	3.72
0.034972	0.021789	0.021875	0.040681	0.041647	0.022102	0.035684	0.025148
1.8		162.9	75.15	16.2	3.6	194.4	55.8
39.428782		3568.30483	1646.15168	354.859044	78.857565	4258.30853	1222.29226
0.464759		0.697139	0.464759	0.929519	0.232379	0.929519	0.232379
2.39958		217.161989	100.182465	21.59622	4.79916	259.15464	74.386979
1065.39	1032.99	939	1013.04	1012.02	1032.66	972.03	982.65
2.895081	2.93463	2.934375	2.877954	2.875056	2.933693	2.892946	2.924553
1104	1056	960	1056	1056	1056	1008	1008
3	3	3	3	3	3	3	3
0.12		10.86	5.01	1.08	0.24	12.96	3.72
6.971393		10.45709	6.971393	13.942787	3.485696	13.942787	3.485696
6.971393		10.45709	6.971393	13.942787	3.485696	13.942787	3.485696
41.828362		3785.46682	1746.33414	376.455264	83.656725	4517.46317	1296.67924
43.810883		6254.18002	2290.8772	420.4527	89.541707	7166.20317	1594.75753
1.98252		2468.71319	544.543052	43.997436	5.884982	2648.74	298.078282
43.810883		6254.18002	2290.8772	420.4527	89.541707	7166.20317	1594.75753
0.04		3.62	1.67	0.36	0.08	4.32	1.24
41.828362		3759.12436	1495.36397	355.541082	62.742544	4232.2906	1296.67924
43.810883		6226.42733	1954.00883	399.035064	67.492221	6690.77388	1594.75753
0.06		0.089797	0.06	0.12	0.03	0.115038	0.03
0.12		10.784426	4.29	1.02	0.18	12.141877	3.72
		348.569689				348.569689	
		3.485696				6.971393	

0.12		10.86	5.01	1.08	0.24	12.96	3.72
0.000326		0.033937	0.014232	0.003068	0.000681	0.038571	0.011071
1.98252		2468.71319	544.543052	43.997436	5.884982	2648.74	298.078282
1.98252		2468.71319	544.543052	43.997436	5.884982	2648.74	298.078282
		0.075573	0.72	0.06	0.06	0.818122	
		26.342467	250.970176	20.914181	20.914181	285.172567	
		0.46					
-1.98252		-2468.7132	-544.54305	-43.997436	-5.884982	-2648.74	-298.07828
-45.793404		-8695.1405	-2498.5519	-443.0325	-73.377203	-9339.5139	-1892.8358
11.3867		858.3749	470.0225	124.8302	26.8375	1118.8465	301.1274
0.04		0.39	0.34	0.18	0.06	0.55	0.17
41.828362		3785.46682	1746.33414	376.455264	83.656725	4517.46317	1296.67924
41.828362		3785.46682	1746.33414	376.455264	83.656725	4517.46317	1296.67924
41.828362		3785.46682	1746.33414	376.455264	83.656725	4517.46317	1296.67924
0.12		10.86	5.01	1.08	0.24	12.96	3.72
41.828362		3785.46682	1746.33414	376.455264	83.656725	4517.46317	1296.67924
6.092805	5.238839	3.584067	5.265123	9.25064	6.557569	3.727106	3.975279
0.087007	0.079822	0.132356	0.099562	0.175512	0.158744	0.13065	0.083313
0.084	0.07738	0.126368	0.098204	0.170943	0.156153	0.1275	0.082208
9828.74445	4997.0541	26050.7603	33704.7863	123921.158	75025.0614	22880.1277	6512.37988
35.345704	21.016469	109.46759	115.114288	362.89234	235.295959	84.258965	26.230405
1545.6	1361.9	2021.9	1728.4	3008.6	2748.3	2142	1381.1
0.0311	0.039857	0.036937	0.026491	0.029204	0.02419	0.028869	0.027678
22244.4	19546.3	29253.1	24902	43370.2	39608.7	31024.8	19903.9
127314.961	105656.875	134334.111	122062.596	215613.157	196446.414	147608.167	106650.732
2.160058	1.945444	1.173275	1.782499	3.122522	2.220219	1.243815	1.392776
1712.78327	928.088571	5677.55591	6810.53845	24879.4066	15189.8834	4780.52492	1182.37312
17801.8	16852.3	15416.2	17196	17097.1	17236.5	16264.6	16394.1
48.374456	47.875852	48.175625	48.852272	48.571306	48.967329	48.406547	48.791964
18400	17600	16000	17600	17600	17600	16800	16800
50	50	50	50	50	50	50	50
1545.6	1361.9	2021.9	1728.4	3008.6	2748.3	2142	1381.1
50.13282	44.365605	32.886953	46.42163	76.730976	57.457546	34.910564	32.251387
30.755334	27.773552	16.940757	25.563916	44.857731	31.798929	17.901805	19.896409
127745.807	106001.435	135078.793	122538.71	216660.501	197059.652	148200.997	106984.126
193813.659	145075.468	337869.408	234737.347	356451.138	316754.468	365370.472	181917.453
66067.8524	39074.0331	202790.615	112198.636	139790.636	119694.816	217169.475	74933.3269
193813.659	145075.468	337869.408	234737.347	356451.138	316754.468	365370.472	181917.453
220.45	149.47	147.91	190.76	302.73	253.78	158.04	106.79
117917.062	101004.38	109028.033	88833.924	92739.3432	122034.59	125320.869	100471.746
178721.021	137806.824	264736.446	165333.222	143464.555	191499.88	305985.659	170257.716
8.817233	8.187155	5.324563	7.068275	9.3774	7.818191	5.78981	6.180592
1424.63611	1296.52055	1621.18822	1248.17052	1258.24781	1678.30714	1806.567	1298.03255
82.711695	82.354414	83.629549	80.718674	81.475355	81.778629	85.980799	86.496491
27.294859	15.647338	19.227164	27.43983	51.992913	37.607185	22.351124	10.36943

1545.6	1361.9	2021.9	1728.4	3008.6	2748.3	2142	1381.1
4.2	3.869034	6.318437	4.910227	8.547159	7.80767	6.375	4.110416
66067.8524	39074.0331	202790.615	112198.636	139790.636	119694.816	217169.475	74933.3269
66067.8524	39074.0331	202790.615	112198.636	139790.636	119694.816	217169.475	74933.3269
120.963885	65.379448	400.711783	480.229478	1750.35219	1069.99286	335.432997	83.067449
9828.74445	4997.0541	26050.7603	33704.7863	123921.158	75025.0614	22880.1277	6512.37988
25	21.42	29.34	24.1	35.62	37.11	31.27	21.15
-66067.852	-39074.033	-202790.61	-112198.64	-139790.64	-119694.82	-217169.47	-74933.327
-244788.87	-176880.86	-467527.06	-277531.86	-283255.19	-311194.7	-523155.13	-245191.04
0.85	0.47	2.08	2.9	14.34	8.27	2.42	0.62
14446.8666	11028.6603	17355.3303	17072.1795	35410.9702	29970.0171	20214.7229	11961.1645
0.27	0.22	0.47	0.27	0.78	0.19	0.21	0.17
180.366	146.284	353.462	184.962	530.76	145.138	164.286	98.414
127745.807	106001.435	135078.793	122538.71	216660.501	197059.652	148200.997	106984.126
127745.807	106001.435	135078.793	122538.71	216660.501	197059.652	148200.997	106984.126
127314.961	105656.875	134334.111	122062.596	215613.157	196446.414	147608.167	106650.732
1545.6	1361.9	2021.9	1728.4	3008.6	2748.3	2142	1381.1
180.366	146.284	353.462	184.962	530.76	145.138	164.286	98.414
127745.807	106001.435	135078.793	122538.71	216660.501	197059.652	148200.997	106984.126
250.48	198.276	391.22	291.152	516.584	468.1	428.544	234.98
0.02							
0.3		0.45	0.3	0.6	0.15	0.6	0.15
0.000115		0.011669	0.004857	0.001022	0.000227	0.012875	0.00369
0.000108		0.009875	0.004857	0.001022	0.000227	0.012857	0.00369
		11.896819	312.197871	25.753188	27.885575	345.353442	
		0.051528	1.031801	0.068561	0.07997	1.14268	
0.16		12.64	6.84	1.44	0.32	17.28	4.96
0.02807	0.016051	0.028437	0.0325	0.039431	0.032528	0.02988	0.020297
2.4		189.6	102.6	21.6	4.8	259.2	74.4
52.57171		4153.16511	2247.44061	473.145392	105.14342	5677.74471	1629.72302
0.464759		0.697139	0.464759	0.929519	0.232379	0.929519	0.232379
3.19944		252.75576	136.77606	28.79496	6.39888	345.53952	99.18264
1430.68	1385.4	1243.6	1362.24	1352.48	1362.2	1303.84	1316.72
3.887717	3.935795	3.88625	3.87	3.842272	3.869886	3.880476	3.918809
1472	1408	1280	1408	1408	1408	1344	1344
4	4	4	4	4	4	4	4
0.16		12.64	6.84	1.44	0.32	17.28	4.96
6.971393		10.45709	6.971393	13.942787	3.485696	13.942787	3.485696
6.971393		10.45709	6.971393	13.942787	3.485696	13.942787	3.485696
55.77115		4405.92087	2384.21667	501.940352	111.5423	6023.28423	1728.90566
58.414511		7463.1853	3123.18363	560.6036	119.388943	9554.93756	2126.34337
2.643361		3057.26443	738.96696	58.663248	7.846643	3531.65333	397.43771
58.414511		7463.1853	3123.18363	560.6036	119.388943	9554.93756	2126.34337
0.04		3.16	1.71	0.36	0.08	4.32	1.24
55.77115		4394.02405	2072.0188	476.187163	83.656725	5677.93079	1728.90566
58.414511		7450.7255	2700.28259	534.224672	89.989628	8971.99663	2126.34337

0.08		0.119458	0.078378	0.158789	0.04	0.159854	0.04
0.16		12.605869	5.944345	1.366117	0.24	16.289226	4.96
		348.569689	451.94629	353.369653	367.752506	501.079789	
		3.485696	9.038925	7.067393	3.677525	10.021595	
0.16		12.64	6.84	1.44	0.32	17.28	4.96
0.000434		0.0395	0.019431	0.00409	0.000909	0.051428	0.014761
2.643361		3057.26443	738.96696	58.663248	7.846643	3531.65333	397.43771
2.643361		3057.26443	738.96696	58.663248	7.846643	3531.65333	397.43771
		0.03413	0.895654	0.073882	0.08	0.990773	
		11.896819	312.197871	25.753188	27.885575	345.353442	
0.03		3.15	1.49	0.33	0.06	4.05	1.24
-2.643361		-3057.2644	-738.96696	-58.663248	-7.846643	-3531.6533	-397.43771
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			0.2	0.01	0.02	0.24	
11.3867		747.7929	479.8619	124.8302	26.8375	1118.8465	301.1274
0.04		0.33	0.35	0.18	0.06	0.55	0.17
55.77115		4405.92087	2384.21667	501.940352	111.5423	6023.28423	1728.90566
55.77115		4405.92087	2384.21667	501.940352	111.5423	6023.28423	1728.90566
55.77115		4405.92087	2384.21667	501.940352	111.5423	6023.28423	1728.90566
0.16		12.64	6.84	1.44	0.32	17.28	4.96
55.77115		4405.92087	2384.21667	501.940352	111.5423	6023.28423	1728.90566

10.401846	10.432351		10.542581	10.286328	10.428889	10.857846	10.506398
0.579593	0.548927		0.461115	0.634384	0.571891	0.396661	0.494602
0.545919	0.517028		0.256845	0.604582	0.537388	0.373629	0.464226
374907.653	340572.489		169700.892	394752.317	352076.675	238866.071	292528.851
1425.89271	1449.22167		600.658165	1248.32965	1185.785	971.560936	1204.93219
11772.638	10664.858		5297.996	12470.84	11084.816	7356.61	9140.438
0.059048	0.058409	0.065843	0.057017	0.049204	0.067159	0.059553	0.064732
120198.017	109202.643		54557.7097	126828.414	113188.678	77012.4093	94164.6066
147776.057	134319.762		66619.5491	155036.387	138165.614	93442.2496	114646.816
3.056	3.056		3.056	3.056	3.056	3.056	3.056
220683.56	200496.052		100167.955	232856.969	207814.412	141394.784	172886.218
20291.422	19422.384		11431.688	19612.248	19241.896	18517.014	18415.05
55.139733	55.177227		32.476386	55.716613	54.664477	55.11016	54.806696
21564.8	20627.2	18752	20627.2	20627.2	20627.2	19689.6	19689.6
58.599999	58.6	58.6	58.6	58.6	58.6	58.6	58.6
11772.638	10664.858		5297.996	12470.84	11084.816	7356.61	9140.438
35.466577	36.051707		37.760283	34.578232	35.898497	38.864177	36.916349
32.326155	32.420272		32.770123	31.981703	32.418379	33.736476	32.660074
402769.448	366147.44		185296.831	419231.219	378134.861	262177.608	319605.513
636110.79	524095.777		293298.907	764155.402	656910.028	530189.812	472718.567
233341.343	157948.337		108002.075	344924.183	278775.167	268012.205	153113.053
636110.79	524095.777		293298.907	764155.402	656910.028	530189.812	472718.567
346.27	330.18		195.08	334.68	328.36	315.99	314.25
26.914289	108.995934		0.510362			17.097567	31.423456
30.370944	134.310174		0.646656			20.031879	33.151727

0.668705	2.777359		0.013752			0.485796	0.740302
0.781743	3.109239		0.013752			0.485796	0.887544
32.546614	30.266663		29.671054	32.533267	32.393715	17.238493	30.118662
26.999008	26.259059		18.989475	26.677279	25.591035	12.060463	24.385432
11772.638	10664.858		5297.996	12470.84	11084.816	7356.61	9140.438
31.990864	30.297892		15.051125	35.428522	31.490954	21.894672	27.203684
170513.839	100868.116		79484.7605	278630.971	219611.445	227757.818	103893.213
170513.839	100868.116		79484.7605	278630.971	219611.445	227757.818	103893.213
11771.8563	10661.7488		5297.98225	12470.84	11084.816	7356.1242	9139.55046
374907.653	340572.489		169700.892	394752.317	352076.675	238866.071	292528.851
0.02	0.06		0.01				0.01
-233341.34	-157948.34		-108002.08	-344924.18	-278775.17	-268012.2	-153113.05
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17.59	16.23		8.85	16.01	13.46	15.12	13.52
		1	0.40909				
81814.1578	70159.0734		45161.8259	95464.7443	87125.5779	70146.6161	68770.2236
1.41	1.29		0.79	1.24	1.32	1.18	1.37
27834.8805	25465.9545		15595.4295	24478.902	26058.186	23294.439	27045.2385
465596.951	423227.661		213814.146	485524.431	437298.583	302431.994	368825.353
465596.951	423227.661		213814.146	485524.431	437298.583	302431.994	368825.353
368459.616	334815.813		166787.504	387893.355	345980.026	234837.033	287533.034
11772.638	10664.858		5297.996	12470.84	11084.816	7356.61	9140.438
27834.8805	25465.9545		15595.4295	24478.902	26058.186	23294.439	27045.2385
465596.951	423227.661		213814.146	485524.431	437298.583	302431.994	368825.353
6474.9509	5865.6719		2913.8978	6858.962	6096.6488	4046.1355	5027.2409
0.05	0.18					0.03	0.1
4.8	3.75	3.3	4.8	7.8	6	3.6	3.3
0.079723	0.072263	0.127132	0.09229	0.163781	0.148411	0.125396	0.078618
0.074918	0.07	0.123468	0.090511	0.159801	0.144971	0.121636	0.075744
1388.88941	763.444444	3606.0478	5291.61337	22852.2095	12758.7471	4475.03831	1119.28058
4.977675	3.225121	15.14459	17.896912	66.144354	39.865468	16.234083	4.483219
385.98	344.96	553.14	446.04	787.5	714.42	572.18	356.3
0.032445	0.029857	0.035437	0.02909	0.024545	0.032301	0.035654	0.039315
5789.7	5174.4	8297.1	6690.6	11812.5	10716.3	8582.7	5344.5
32965.9756	28103.6016	38170.2848	32861.3092	58867.5119	53214.1985	41010.1761	28879.7959
1.624734	1.339664	1.023428	1.549257	2.50332	1.93886	1.154232	1.120296
235.41183	137.00465	766.695328	1065.99161	4570.8341	2582.78782	929.663754	206.689879
4984.84	4780.86	4321.24	4784.64	4807.04	4768.82	4536.28	4519.06
13.54576	13.581988	13.503875	13.592727	13.656363	13.547784	13.500833	13.449583
5152	4928	4480	4928	4928	4928	4704	4704
14	14	14	14	14	14	14	14
385.98	344.96	553.14	446.04	787.5	714.42	572.18	356.3
24.785818	20.244078	15.50728	24.08514	38.088808	29.191626	17.462363	16.914745
24.785818	20.244078	15.50728	24.08514	38.088808	29.191626	17.462363	16.914745
33133.9756	28219.1016	38380.2848	33029.3092	59161.5119	53287.6985	41136.1761	28974.2959
49758.5478	38405.2407	93536.2958	63477.2356	95705.4577	84629.6572	104182.383	48866.2914

16624.5722	10186.1392	55156.0109	30447.9264	36543.9459	31341.9587	63046.207	19891.9955
49758.5478	38405.2407	93536.2958	63477.2356	95705.4577	84629.6572	104182.383	48866.2914
109.46	80.8	81.45	110.99	161.61	135.44	85.38	55.99
31745.0862	27455.6571	34774.237	27737.6958	36309.3024	40528.9514	36661.1377	27855.0153
47723.1726	37272.999	85329.2055	51699.7927	57295.9487	63574.3034	91384.3693	46784.811
4.304386	3.492238	3.05316	4.217904	6.431243	4.948889	3.279584	3.057331
370.285877	335.826356	502.026978	374.973892	482.777726	542.234145	510.202416	342.520674
86.809588	82.850255	76.282566	75.11912	77.129154	76.617951	77.092981	80.265635
14.62452	7.456522	12.968036	21.033353	39.240433	29.881001	14.647666	6.42125
385.98	344.96	553.14	446.04	787.5	714.42	572.18	356.3
1.048858	0.98	1.728562	1.267159	2.237215	2.029602	1.702916	1.060416
16624.5722	10186.1392	55156.0109	30447.9264	36543.9459	31341.9587	63046.207	19891.9955
16624.5722	10186.1392	55156.0109	30447.9264	36543.9459	31341.9587	63046.207	19891.9955
15.694122	9.133643	51.113021	71.066107	304.722273	172.185854	61.977583	13.779325
1388.88941	763.444444	3606.0478	5291.61337	22852.2095	12758.7471	4475.03831	1119.28058
8.4	9.17	7.8	7.53	10.69	11.71	6.77	7.01
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0.29	0.14	0.89	1.04	4.99	2.54	0.56	0.08
7384.4761	5893.6555	9247.697	8934.8773	18693.9966	15788.2956	10397.4671	6251.6849
0.16	0.11	0.2	0.16	0.28	0.07	0.12	0.09
168	115.5	210	168	294	73.5	126	94.5
33133.9756	28219.1016	38380.2848	33029.3092	59161.5119	53287.6985	41136.1761	28974.2959
33133.9756	28219.1016	38380.2848	33029.3092	59161.5119	53287.6985	41136.1761	28974.2959
32965.9756	28103.6016	38170.2848	32861.3092	58867.5119	53214.1985	41010.1761	28879.7959
385.98	344.96	553.14	446.04	787.5	714.42	572.18	356.3
168	115.5	210	168	294	73.5	126	94.5
33133.9756	28219.1016	38380.2848	33029.3092	59161.5119	53287.6985	41136.1761	28974.2959
0.02							

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0.411152	0.39626	0.256359	0.340657	0.470615	0.435209	0.32227	0.374541
1628468.14	1355944.63	945628.234	1414653.02	2084750.29	1851147.48	1176463.2	1314894.79
6178.41065	5753.38232	4086.91202	5272.56962	6542.91197	6200.21736	4763.02414	5407.2078
55543.726	51204.404	30115.09	44019.48	60812.494	56237.464	39750.706	46198.012
0.034995	0.035121	0.035687	0.035777	0.034775	0.03385	0.036117	0.032946
602634.003	556643.909	340358.565	486618.768	660306.173	613904.105	445410.24	506415.878
1010888.77	913314.771	675601.247	838482.627	1213385.6	1110754.88	831099.958	837909.018
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135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6
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236.010987	196.726524	171.026266	225.048273	308.524981	231.851747	228.510197	186.854123
34.9104	34.740424	37.183659	35.310471	35.800254	35.61238	36.435466	34.919634
2042783.42	1867407.06	1205394.09	1638698.52	2279094.1	2107994.55	1564947.32	1702399.03
3155622.31	2612933.33	2315677.89	2584282.54	3989302.92	3503510.11	3063890.56	2515464.66
1112838.89	745526.272	1110283.8	945584.024	1710208.82	1395515.56	1498943.24	813065.633
3155622.31	2612933.33	2315677.89	2584282.54	3989302.92	3503510.11	3063890.56	2515464.66
1583.54	1396.22	846.93	1311.62	1707.04	1570.98	1285.03	1230.99
373420.45	473433.17	250385.034	195655.014	157862.609	218124.378	354542.113	350829.33
600461.199	718419.12	583337.777	354362.747	244159.177	343643.882	876926.175	613492.634
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55543.726	51204.404	30115.09	44019.48	60812.494	56237.464	39750.706	46198.012
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49192.8147	41510.9046	26437.8948	41082.518	58607.2634	52982.2711	34047.131	39901.1278
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254.3	210.38	256.47	294.94	295.16	284.6	266.35	233.77
		0.122727	0.03719			0.012987	
298413.089	253081.439	154996.265	261529.656	386555.779	352829.684	260614.342	252289.552
4.53	4.29	3.56	4.95	5.68	4.26	5.22	4.21
41504.123	38555.7442	10130.0498	29073.6429	37754.8058	39187.7681	34450.8058	37077.7489
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2326502.87	2129546.64	1346926.04	1860104.81	2567599.38	2378203.17	1759949.83	1940028.2
1907649.86	1741421.58	1129080.29	1528444.82	2126812.72	1964257.63	1457441.33	1587417.23
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93629.4305	87429.7377	66183.7529	81180.0531	114526.57	104549.154	73055.1867	77904.0455
28.82	46.62	3.89	6.36	0.9	4.22	9.05	31.74

4060080.38	3148616.27	2920756.87	3714177.58	5558987.22	4735774.04	3189670.15	3093161.04
522851.692	354926.361	432742.601	767692.984	1092637.83	910423.706	387068.849	471954.017
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522851.692	354926.361	432742.601	767692.984	1092637.83	910423.706	387068.849	471954.017
252.96	210.15	263.08	295.06	294.4	284.13	266.63	233.06
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-4060080.4	-3148616.3	-2920756.9	-3714177.6	-5558987.2	-4735774	-3189670.1	-3093161
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4582932.07	3503542.63	3353499.47	4481870.56	6651625.05	5646197.74	3576739	3565115.06
96603.4351	82827.9666	73826.0219	93279.7201	110151.417	104244.655	82964.6175	81687.6695
4060080.38	3148616.27	2920756.87	3714177.58	5558987.22	4735774.04	3189670.15	3093161.04
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4060080.38	3148616.27	2920756.87	3714177.58	5558987.22	4735774.04	3189670.15	3093161.04
522851.692	354926.361	432742.601	767692.984	1092637.83	910423.706	387068.849	471954.017
1979.76761	1500.63841	1872.75464	2866.37686	3471.65768	3043.70856	1525.40816	1931.87724
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96603.4351	82827.9666	73826.0219	93279.7201	110151.417	104244.655	82964.6175	81687.6695
522851.692	354926.361	432742.601	767692.984	1092637.83	910423.706	387068.849	471954.017
252.96	210.15	263.08	295.06	294.4	284.13	266.63	233.06
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4060080.38	3148616.27	2920756.87	3714177.58	5558987.22	4735774.04	3189670.15	3093161.04

325568.007	334823.378	280327.079	249764.412	191642.245	188804.791	231185.059	265496.382
1246.33328	1427.62358	1218.51572	958.699712	620.427244	644.946035	947.744397	1096.29029
7691.18845	7909.83647	6622.42095	5900.41134	4527.33866	4460.3069	5461.49442	6272.06195
318758.968	297529.559	258742.772	228058.255	219564.137	197458.182	203217.135	236669.02
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325568.007	334823.378	280327.079	249764.412	191642.245	188804.791	231185.059	265496.382
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325568.007	334823.378	280327.079	249764.412	191642.245	188804.791	231185.059	265496.382
325568.007	334823.378	280327.079	249764.412	191642.245	188804.791	231185.059	265496.382
7691.18845	7909.83647	6622.42095	5900.41134	4527.33866	4460.3069	5461.49442	6272.06195
325568.007	334823.378	280327.079	249764.412	191642.245	188804.791	231185.059	265496.382
325568.007	334823.378	280327.079	249764.412	191642.245	188804.791	231185.059	265496.382
7691.18845	7909.83647	6622.42095	5900.41134	4527.33866	4460.3069	5461.49442	6272.06195
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315307.413	324635.862	271616.13	241436.991	185940.798	183062.941	223705.311	256930.852
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8640.92665	8896.57062	7443.57713	6616.52483	5095.66452	5016.79751	6130.59224	7041.13049
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23.480778	25.274348	23.261178	18.796945	14.476319	14.252265	18.24581	20.955745
42770.302	10107.2462	19206.6337	14194.7298	61298.1797	39065.5537	4339.71423	8905.97451
42770.302	10107.2462	19206.6337	14194.7298	61298.1797	39065.5537	4339.71423	8905.97451
8640.92665	8896.57062	7443.57713	6616.52483	5095.66452	5016.79751	6130.59224	7041.13049
315307.413	324635.862	271616.13	241436.991	185940.798	183062.941	223705.311	256930.852
-42770.302	-10107.246	-19206.634	-14194.73	-61298.18	-39065.554	-4339.7142	-8905.9745
-42770.302	-10107.246	-19206.634	-14194.73	-61298.18	-39065.554	-4339.7142	-8905.9745
0.28	0.36	6.98	0.69	0.13	0.39	0.74	0.34
96603.4351	82827.9666	73826.0219	93279.7201	110151.417	104244.655	82964.6175	81687.6695
315307.413	324635.862	271616.13	241436.991	185940.798	183062.941	223705.311	256930.852
315307.413	324635.862	271616.13	241436.991	185940.798	183062.941	223705.311	256930.852
8640.92665	8896.57062	7443.57713	6616.52483	5095.66452	5016.79751	6130.59224	7041.13049
315307.413	324635.862	271616.13	241436.991	185940.798	183062.941	223705.311	256930.852
315307.413	324635.862	271616.13	241436.991	185940.798	183062.941	223705.311	256930.852
8640.92665	8896.57062	7443.57713	6616.52483	5095.66452	5016.79751	6130.59224	7041.13049
358077.715	334743.108	290822.763	255631.721	247238.978	222128.495	228045.025	265836.826
42770.302	10107.2462	19206.6337	14194.7298	61298.1797	39065.5537	4339.71423	8905.97451
315307.413	324635.862	271616.13	241436.991	185940.798	183062.941	223705.311	256930.852

178219.814	168382.019	131635.928	166595.078	158314.955	171632.021	121199.085	99264.8386
683.559556	720.494595	572.528796	638.808969	508.26516	583.379303	494.999689	409.72188
3478.81738	3286.78546	2569.50864	3251.90471	3090.27826	3350.22488	2365.78342	1937.63105
141900.7	120565.976	97836.8939	124329.378	153264.47	150302.963	88901.8399	75854.7737
3478.81738	3286.78546	2569.50864	3251.90471	3090.27826	3350.22488	2365.78342	1937.63105

9.453308	9.337458	8.029714	9.238365	8.779199	9.517684	7.041022	5.766759
-36319.114	-47816.043	-33799.034	-42265.7	-5050.4856	-21329.058	-32297.245	-23410.065
-36319.114	-47816.043	-33799.034	-42265.7	-5050.4856	-21329.058	-32297.245	-23410.065
3478.81738	3286.78546	2569.50864	3251.90471	3090.27826	3350.22488	2365.78342	1937.63105
178219.814	168382.019	131635.928	166595.078	158314.955	171632.021	121199.085	99264.8386
36319.1142	47816.0432	33799.0337	42265.6998	5050.48561	21329.0576	32297.2449	23410.0649
36319.1142	47816.0432	33799.0337	42265.6998	5050.48561	21329.0576	32297.2449	23410.0649
94862.7541	80245.8841	73826.0219	90515.1345	106739.034	104244.655	82964.6175	72859.7697
178219.814	168382.019	131635.928	166595.078	158314.955	171632.021	121199.085	99264.8386
178219.814	168382.019	131635.928	166595.078	158314.955	171632.021	121199.085	99264.8386
3478.81738	3286.78546	2569.50864	3251.90471	3090.27826	3350.22488	2365.78342	1937.63105
178219.814	168382.019	131635.928	166595.078	158314.955	171632.021	121199.085	99264.8386
178219.814	168382.019	131635.928	166595.078	158314.955	171632.021	121199.085	99264.8386
3478.81738	3286.78546	2569.50864	3251.90471	3090.27826	3350.22488	2365.78342	1937.63105
141900.7	120565.976	97836.8939	124329.378	153264.47	150302.963	88901.8399	75854.7737
-36319.114	-47816.043	-33799.034	-42265.7	-5050.4856	-21329.058	-32297.245	-23410.065
178219.814	168382.019	131635.928	166595.078	158314.955	171632.021	121199.085	99264.8386

307166.758	300204.85	212208.978	214907.931	160802.785	162757.559	202005.792	276874.333
1176.78768	1282.24847	922.943885	829.525054	524.833886	559.258508	832.122374	1145.09745
3794.52449	3708.52193	2621.48212	2654.82311	1986.44577	2010.59369	2495.43907	3420.31294
152965.384	136469.984	102579.336	99407.6282	91288.235	86287.5514	89098.6593	132239.231
3794.52449	3708.52193	2621.48212	2654.82311	1986.44577	2010.59369	2495.43907	3420.31294
10.311207	10.535573	8.192131	7.542111	5.643311	5.711913	7.426901	10.179502
-154201.37	-163734.87	-109629.64	-115500.3	-69514.55	-76470.008	-112907.13	-144635.1
-154201.37	-163734.87	-109629.64	-115500.3	-69514.55	-76470.008	-112907.13	-144635.1
3794.52449	3708.52193	2621.48212	2654.82311	1986.44577	2010.59369	2495.43907	3420.31294
307166.758	300204.85	212208.978	214907.931	160802.785	162757.559	202005.792	276874.333
154201.374	163734.866	109629.642	115500.303	69514.5502	76470.0081	112907.133	144635.101
154201.374	163734.866	109629.642	115500.303	69514.5502	76470.0081	112907.133	144635.101
96603.4351	82772.8928	73664.6347	92940.2452	107181.141	100984.811	82964.6175	81687.6695
307166.758	300204.85	212208.978	214907.931	160802.785	162757.559	202005.792	276874.333
307166.758	300204.85	212208.978	214907.931	160802.785	162757.559	202005.792	276874.333
3794.52449	3708.52193	2621.48212	2654.82311	1986.44577	2010.59369	2495.43907	3420.31294
307166.758	300204.85	212208.978	214907.931	160802.785	162757.559	202005.792	276874.333
307166.758	300204.85	212208.978	214907.931	160802.785	162757.559	202005.792	276874.333
3794.52449	3708.52193	2621.48212	2654.82311	1986.44577	2010.59369	2495.43907	3420.31294
152965.384	136469.984	102579.336	99407.6282	91288.235	86287.5514	89098.6593	132239.231
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307166.758	300204.85	212208.978	214907.931	160802.785	162757.559	202005.792	276874.333

1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405
4313.74007	4814.5108	3894.63608	3353.84441	2255.44968	2412.89438	3191.985	3712.063
23605.457	23801.7145	19256.9888	18423.664	14699.7272	14837.923	16453.3091	18671.1364
971702.768	889308.627	749981.765	707426.982	711355.819	656177.191	609262.659	710599.851
8.404658	24.74822	23.662209	32.199357	33.869344	28.850619	15.819273	18.241651
0.168093	0.742446	10.411372	2.575948	1.01608	1.154024	1.107349	0.729666

23605.457	23801.7145	19256.9888	18423.664	14699.7272	14837.923	16453.3091	18671.1364
64.145263	67.618507	60.17809	52.339954	41.760588	42.15319	48.968181	55.568858
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23605.457	23801.7145	19256.9888	18423.664	14699.7272	14837.923	16453.3091	18671.1364
1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405
154559.225	238737.482	145806.348	165277.43	-14655.035	50080.1213	168832.587	187966.554
154559.225	238737.482	145806.348	165277.43	-14655.035	50080.1213	168832.587	187966.554
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384673.059	328674.71	295142.7	370014.82	434223.008	413718.777	331858.47	317922.778
1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405
1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405
23605.457	23801.7145	19256.9888	18423.664	14699.7272	14837.923	16453.3091	18671.1364
1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405
1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405
23605.457	23801.7145	19256.9888	18423.664	14699.7272	14837.923	16453.3091	18671.1364
971702.768	889308.627	749981.765	707426.982	711355.819	656177.191	609262.659	710599.851
-154559.22	-238737.48	-145806.35	-165277.43	14655.0352	-50080.121	-168832.59	-187966.55
1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405

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0.411152	0.39626	0.256359	0.340657	0.470615	0.435209	0.32227	0.374541
4060080.38	3148616.27	2920756.87	3714177.58	5558987.22	4735774.04	3189670.15	3093161.04
3277581.83	2838917.1	2274158.95	3055050.41	3874088.9	3467828.5	2341627.29	2685415.22
12471.9183	12068.5315	9854.30274	11492.7909	12270.0193	11656.8203	9480.4173	11051.1481
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3520730.8	3367655.55	3061505.05	3367655.55	3367655.55	3367655.55	3214580.3	3214580.3
0.034995	0.035121	0.035687	0.035777	0.034775	0.03385	0.036117	0.032946
602634.003	556643.909	340358.565	486618.768	660306.173	613904.105	445410.24	506415.878
1010888.77	913314.771	675601.247	838482.627	1213385.6	1110754.88	831099.958	837909.018
3.040392	3.01657	3.080959	3.005711	3.117978	3.073738	3.053242	3.010805
896761.098	828106.808	453479.044	689962.196	913427.128	853502.744	626341.371	749508.216
11581.7939	5464.12384	25285.8956	29207.4854	78402.4928	55837.7306	17004.9215	6546.99123
129836.812	123926.304	90597.215	116298.058	124529.928	124338.576	116466.184	118856.38
352.817423	352.063363	283.116296	330.39221	353.778204	353.23459	346.625547	353.739226
135092.8	129219.2	117472	129219.2	129219.2	129219.2	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
55543.726	51204.404	30115.09	44019.48	60812.494	56237.464	39750.706	46198.012
236.010987	196.726524	171.026266	225.048273	308.524981	231.851747	228.510197	186.854123
34.9104	34.740424	37.183659	35.310471	35.800254	35.61238	36.435466	34.919634
2042783.42	1867407.06	1205394.09	1638698.52	2279094.1	2107994.55	1564947.32	1702399.03
3155622.31	2612933.33	2315677.89	2584282.54	3989302.92	3503510.11	3063890.56	2515464.66
96603.4351	82827.9666	73826.0219	93279.7201	110151.417	104244.655	82964.6175	81687.6695
1112838.89	745526.272	1110283.8	945584.024	1710208.82	1395515.56	1498943.24	813065.633

4127325.08	3502241.96	3065659.66	3291709.53	4700658.74	4159687.3	3673153.22	3226064.51
1583.54	1396.22	846.93	1311.62	1707.04	1570.98	1285.03	1230.99
373420.45	473433.17	250385.034	195655.014	157862.609	218124.378	354542.113	350829.33
31.997113	29.438167	30.281385	30.074846	36.837524	33.866181	29.206429	29.370277
522851.692	354926.361	432742.601	767692.984	1092637.83	910423.706	387068.849	471954.017
252.96	210.15	263.08	295.06	294.4	284.13	266.63	233.06
177.750685	150.109422	170.612997	212.879087	237.809253	229.806025	196.677139	167.176537
5.108088	6.08537	6.402953	6.545605	7.23534	7.136902	6.591532	5.761507
23,805	17,515	28,131	33,774	36,844	36,424	32,464	23,115
600461.199	718419.12	583337.777	354362.747	244159.177	343643.882	876926.175	613492.634
4.335269	7.313	1.991084	2.593692	2.687158	2.610295	2.536263	3.708994
6,351	9,693	3,677	2,937	2,205	3,255	5,704	6,297
39.384208	34.925827	28.269979	38.047313	50.33796	42.058508	28.407887	33.061387
39.330534	34.847123	28.261277	38.029559	50.271418	42.050572	28.397587	33.029771
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72798.2717	65312.6191	45694.8836	59506.182	73306.9906	67820.1941	50500.4402	58572.2642
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6622531.52	6009483.03	5017784.47	6301526.53	7201778.92	6757994.15	5074139.8	5682642.26
6544922.01	5645990.27	4867189.29	6714856.77	8050257.57	7324773.97	4584282.47	5541103.64
		0.122727	0.03719			0.012987	
779689.583	664584.116	523964.987	724824.196	930930.203	870793.116	675437.429	651899.999
4.53	4.29	3.56	4.95	5.68	4.26	5.22	4.21
41504.123	38555.7442	10130.0498	29073.6429	37754.8058	39187.7681	34450.8058	37077.7489
11033576	9773864.57	8224976.07	9814642.35	12190942.9	11187890.1	8942295.52	9146335.95
7512845.24	6406209.02	5163471.02	6446986.8	8823287.38	7820234.52	5727715.22	5931755.65
1907649.86	1741421.58	1129080.29	1528444.82	2126812.72	1964257.63	1457441.33	1587417.23
79149.183	75006.1185	49372.0788	62443.144	75512.2212	71075.387	56204.0151	64869.1484
41504.123	38555.7442	10130.0498	29073.6429	37754.8058	39187.7681	34450.8058	37077.7489
7512845.24	6406209.02	5163471.02	6446986.8	8823287.38	7820234.52	5727715.22	5931755.65
93629.4305	87429.7377	66183.7529	81180.0531	114526.57	104549.154	73055.1867	77904.0455
1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405
23605.457	23801.7145	19256.9888	18423.664	14699.7272	14837.923	16453.3091	18671.1364
971702.768	889308.627	749981.765	707426.982	711355.819	656177.191	609262.659	710599.851
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1126261.99	1128046.11	895788.113	872704.412	696700.784	706257.313	778095.247	898566.405

2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05	2028-06
3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75	3425598.75
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3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75	3425598.75
3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75	3425598.75
3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75	3425598.75
37.648484	38.416774	54.732223	51.005473	42.076803	38.272413	39.592303	39.281743
23.773288	23.77323	24.248735	24.248657	24.248754	24.248715	24.248754	24.248754
37.522784	38.291074	54.607848	50.881098	41.952428	38.148038	39.467928	39.157368
37.619476	38.387766	54.703521	50.976771	42.048101	38.243711	39.563601	39.253041
36.894287	37.662577	53.985974	50.259224	41.330554	37.526164	38.846054	38.535494
37.174693	37.942983	54.263425	50.536675	41.608005	37.803615	39.123505	38.812945
37.600138	38.368428	54.684387	50.957637	42.028967	38.224577	39.544467	39.233907
37.638815	38.407104	54.722656	50.995906	42.067236	38.262846	39.582736	39.272176
21.904879	21.904879	22.342976	22.342976	22.342976	22.342976	22.342976	22.342976
1.22	1.22	1.25	1.25	1.25	1.25	1.25	1.25
37.33907	38.10736	54.42607	50.69932	41.77065	37.96626	39.28615	38.97559
5.687025	6.452783	6.427242	6.44242	5.698084	5.128613	4.800876	4.784481
29.335245	29.911246	40.866255	38.383013	32.368546	29.784827	30.637446	30.42904
29.335245	29.911246	40.866255	38.383013	32.368546	29.784827	30.637446	30.42904

0.27788			0.13894	0.13894		0.41682	0.27788
0.000873			0.000132	0.001595		0.006797	0.00058
0.000873			0.000132	0.001352		0.006717	0.00058
122.823164				28.667361		1793.60227	142.838899
0.44125				0.096614		7.412679	0.367533
6.6			1	11.2		53.2	4.6
0.024821	0.021711	0.028928	0.033482	0.033614	0.036218	0.032471	0.020312
91.7004			13.894	155.6128		739.160799	63.9124
2008.68619			310.43332	3476.85319		16515.0527	1427.99327
0.464759			0.237026	0.237026		0.71108	0.474053
122.245803			18.891671	211.586724		1005.03694	86.90169
7372.35	8100.225	7341.3	7306.875	8001.675	6939.225	7662.825	7759.125
21.941517	22.01148	21.849107	21.746651	21.743682	21.685078	21.769389	22.042968
7560	8280	7560	7560	8280	7200	7920	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
6.6			1	11.2		53.2	4.6
6.537339			3.407241	3.324037		10.035185	6.738514
6.537339			3.407241	3.324037		10.035185	6.738514
2149.0466			340.724192	3722.92232		17628.1704	1540.99537
2305.35589			373.954687	4257.97888		24402.7693	1642.16244
156.309291			33.230495	535.056563		6774.59887	101.167075
2305.35589			373.954687	4257.97888		24402.7693	1642.16244
2.49			0.13	2.84		6.16	3.54
2026.22343			340.724192	3694.25495		15834.5681	1398.15647
2176.72313			373.954687	4228.79241		21900.4474	1486.45472
0.38421			0.2	0.198451		0.589658	0.366847
6.221043			1	11.113285		47.783265	4.167933
324.108484				330.594992		339.408957	330.594992
3.241084				3.305949		6.724163	3.305949
6.6			1	11.2		53.2	4.6
0.019642			0.002976	0.030434		0.151136	0.013068
156.309291			33.230495	535.056563		6774.59887	101.167075
156.309291			33.230495	535.056563		6774.59887	101.167075
0.378956				0.086714		5.416734	0.432066
122.823164				28.667361		1793.60227	142.838899
0.17			0.02	0.22		0.35	0.1
-156.30929			-33.230495	-535.05656		-6774.5989	-101.16708
-2333.0324			-407.18518	-4763.849		-28675.046	-1587.6218
						0.04	
87.6986			15.5329	155.7144		638.9126	72.2127
0.01			0.01	0.02		0.04	0.02
9.9306			10.1292	20.2584		40.5168	20.2584
2149.0466			340.724192	3722.92232		17628.1704	1540.99537
2149.0466			340.724192	3722.92232		17628.1704	1540.99537
2130.932			329.324992	3688.43992		17520.0896	1514.89497

6.6			1	11.2		53.2	4.6
9.9306			10.1292	20.2584		40.5168	20.2584
2149.0466			340.724192	3722.92232		17628.1704	1540.99537
8.184			1.27	14.224		67.563999	5.842

3.57922	2.44894	5.086259	6.12235	4.80369	5.74559	3.01408	4.99207
0.109447	0.114755	0.289001	0.250584	0.186623	0.189932	0.19613	0.196346
0.10619	0.111059	0.279166	0.241934	0.181711	0.184656	0.190767	0.191136
45902.3948	134242.577	265607.367	215264.484	78156.2704	35212.8444	111943.35	150525.507
169.602995	424.419999	850.089131	711.109818	281.714194	143.657434	473.257553	515.446577
2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7	3902.24
0.029107	0.020733	0.025446	0.028184	0.028369	0.032093	0.029517	0.034914
19492.0554	22327.3627	51243.1276	44408.8896	36531.2147	32280.9852	36684.1793	36755.1986
124384.088	149212.71	332702.776	285750.367	207635.378	171492.937	175296.679	180598.762
2.198995	1.768433	3.163559	3.744985	2.824291	3.181629	1.531283	2.582884
6209.1327	17562.9451	35662.9326	29006.8554	11847.5303	5633.11177	19562.6845	25669.7938
18920.76	20901.46	18992.1	18938.74	20738.48	17964.34	19813.38	19703.18
56.311785	56.797445	56.524107	56.365297	56.354565	56.138562	56.288011	55.974943
19488	21344	19488	19488	21344	18560	20416	20416
58	58	58	58	58	58	58	58
2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7	3902.24
24.345031	19.004061	34.648778	41.074614	31.26727	35.568556	17.29039	29.154921
24.345031	19.004061	34.648778	41.074614	31.26727	35.568556	17.29039	29.154921
142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815	215590.468
234081.727	243821.833	644398.414	529813.191	404596.337	292152.44	500658.906	375905.798
91520.09	73780.754	263105.586	201967.127	162273.519	89960.4546	290591.091	160315.33
234081.727	243821.833	644398.414	529813.191	404596.337	292152.44	500658.906	375905.798
82.5	97.31	220.38	226.11	198.23	167.28	127.32	154.1
96659.2421	35798.5017	115685.46	112581.58	164166.548	166979.141	98124.4652	65064.9606
158788.628	50317.7806	187195.789	171928.082	272109.522	241237.057	225964.932	102227.21
16.976356	6.0902	15.092875	18.78535	23.315698	31.890318	11.80725	13.779902
1410.22642	505.830517	1654.12411	1635.20906	2620.62687	2829.16163	1817.76141	1176.9195
64.89038	76.6594	66.482567	65.882587	63.803492	59.768124	54.84429	57.114788
23.305943	19.927196	35.891079	42.819262	31.179364	30.455246	17.534761	30.242205
2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7	3902.24
6.159047	6.441467	16.191666	14.032202	10.539293	10.710062	11.064488	11.085909
91520.09	73780.754	263105.586	201967.127	162273.519	89960.4546	290591.091	160315.33
91520.09	73780.754	263105.586	201967.127	162273.519	89960.4546	290591.091	160315.33
659.213579	1864.62948	3786.27589	3079.61094	1257.83313	598.058368	2076.93859	2725.3205
45902.3948	134242.577	265607.367	215264.484	78156.2704	35212.8444	111943.35	150525.507
13.87	10.04	17.92	21	20.54	24.32	11.86	14.52
-91520.09	-73780.754	-263105.59	-201967.13	-162273.52	-89960.455	-290591.09	-160315.33
-250308.72	-124098.53	-450301.38	-373895.21	-434383.04	-331197.51	-516556.02	-262542.54
2.31	10.39	10.06	8.94	3.54	2.38	4.33	10.07
9481.7666	12829.3109	29093.2735	24310.432	17978.5432	14316.1259	15779.1952	19256.6318
0.38	0.45	0.6	0.49	0.53	0.57	0.4	0.73
173.4206	205.3665	279.3	228.095	246.715	265.335	186.2	339.815

142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815	215590.468
142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815	215590.468
124384.088	149212.71	332702.776	285750.367	207635.378	171492.937	175296.679	180598.762
2069.44	2370.46	5440.4	4714.82	3878.46	3427.22	3894.7	3902.24
173.4206	205.3665	279.3	228.095	246.715	265.335	186.2	339.815
142561.637	170041.079	381292.828	327846.064	242322.818	202191.986	210067.815	215590.468
18004.128	20623.002	48310.752	41867.6016	34440.7248	30433.7136	34584.936	34651.8912
		0.07	0.18	0.35			
11.057876	11.044516	10.955341	10.939592	11.039683	11.01215	11.201302	11.060517
0.633232	0.653413	0.715779	0.717302	0.651982	0.662151	0.582382	0.638087
0.609182	0.633417	0.69476	0.690316	0.624855	0.633265	0.562588	0.61555
748790.938	900222.788	908380.41	894137.846	839098.78	638272.022	771983.943	844598.62
2850.23077	2888.23587	2940.36728	3022.25452	3161.89034	2656.02162	3310.13719	3139.3309
22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472	24050.808
0.037797	0.030679	0.031488	0.038065	0.039836	0.041812	0.034431	0.037272
248198.709	281826.257	279896.045	278106.615	278072.81	244620.541	242155.205	262512.34
302874.855	344366.694	350781.818	348834.691	346770.435	306659.859	302920.993	327966.546
3.0451	3.0451	3.099399	3.099399	3.099399	3.0994	3.099399	3.099399
452987.464	514361.101	517639.746	514330.374	514267.855	452401.228	447841.836	485490.321
35886.3	39594.81	36121.62	35876.31	39220.74	34034.82	37726.68	37615.68
106.804464	107.594592	107.504821	106.774732	106.578097	106.358812	107.178068	106.862727
37296	40848	37296	37296	40848	35520	39072	39072
111	111	111	111	111	111	111	111
22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472	24050.808
35.67151	35.631902	35.996993	35.959855	36.330654	36.200594	36.837693	36.420439
35.342887	35.300092	35.661327	35.610017	35.929668	35.837285	36.42605	35.992698
800227.382	909063.478	919371.482	914280.246	913120.075	804883.816	795799.567	862750.088
1074868.48	1232055.69	1780860.22	1632312.82	1361765.88	1061484.4	1234918.45	1207134.43
274641.099	322992.211	861488.742	718032.579	448645.807	256600.588	439118.881	344384.339
1074868.48	1232055.69	1780860.22	1632312.82	1361765.88	1061484.4	1234918.45	1207134.43
323.3	356.71	325.42	323.21	353.34	306.62	339.88	338.88
45013.9043	1714.3102	4350.312	13052.9402	65585.735	159253.114	16367.2037	9985.12847
79606.2911	3017.11067	9845.42979	26047.9063	129704.269	272745.672	42858.1671	16151.8379
16.70957	4.038876	5.19115	9.873992	16.883706	29.027852	9.155604	9.026323
1331.70353	50.696067	125.982216	375.822661	1908.68963	4604.76582	475.863523	289.116597
27.966653	32.765353	33.854323	34.194116	27.590672	26.337436	21.357356	27.461657
27.949064	32.764601	33.852043	34.189895	27.57317	26.285586	21.352433	27.456074
22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472	24050.808
67.619267	70.309331	77.118416	76.625107	69.358989	70.292487	62.447363	68.326159
144907.634	175681.627	715187.079	572666.251	303297.15	128737.431	312544.355	207169.139
144907.634	175681.627	715187.079	572666.251	303297.15	128737.431	312544.355	207169.139
21388.3705	25823.1379	25785.8058	25370.2133	23615.4184	17888.8302	21505.6085	23761.6914
748790.938	900222.788	908380.41	894137.846	839098.78	638272.022	771983.943	844598.62
19.81	2.37	4.63	9.95	23.42	35.33	4.06	4.32
-274641.1	-322992.21	-861488.74	-718032.58	-448645.81	-256600.59	-439118.88	-344384.34
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237.25	302.86	216.83	220.92	234.33	169.99	256.98	254.79
82396.8817	108313.143	97853.9854	93064.4366	90770.1868	71079.5669	77089.0436	89066.6238
0.73	0.81	0.74	0.79	0.94	0.82	0.83	0.91
6422.54	7126.38	6640.76	7089.46	8435.56	7358.68	7448.42	8166.34
929960.847	1056374.06	1065673.14	1059646.57	1058468.73	932746.972	922374.092	999965.288
929960.847	1056374.06	1065673.14	1059646.57	1058468.73	932746.972	922374.092	999965.288
755862.319	858727.796	868421.564	863165.065	861038.29	759061.087	750762.83	813456.866
22720.074	25873.834	25911.788	25746.036	25524.108	22493.596	21981.472	24050.808
6422.54	7126.38	6640.76	7089.46	8435.56	7358.68	7448.42	8166.34
929960.847	1056374.06	1065673.14	1059646.57	1058468.73	932746.972	922374.092	999965.288
37942.5236	43209.3028	44309.1575	44025.7216	43646.2247	38464.0492	37588.3171	41126.8817
22.68	1.54	3.19	5.96	22.25	36.54	6.16	6.45
0.3			0.15	0.15		0.45	0.3
0.000511			0.000119	0.001114		0.006448	0.000372
0.000476			0.000119	0.001114		0.006448	0.000369
			5.062551			164.522523	10.666204
			0.016086			0.679857	0.027097
0.48			0.12	1.23		6.81	0.39
0.026845	0.038722	0.026607	0.025684	0.024293	0.03575	0.032017	0.034034
7.2			1.8	18.45		102.15	5.85
157.71513			40.217358	412.227923		2282.33509	130.706414
0.464759			0.237026	0.237026		0.71108	0.474053
9.59832			2.44746	25.086465		138.893355	7.954245
980.94	1061.25	981.18	982.11	1077.18	925.68	1022.19	1020.06
2.919464	2.883831	2.920178	2.922946	2.927119	2.89275	2.903948	2.897897
1008	1104	1008	1008	1104	960	1056	1056
3	3	3	3	3	3	3	3
0.48			0.12	1.23		6.81	0.39
6.971393			3.555401	3.555401		10.666204	7.110803
6.971393			3.555401	3.555401		10.666204	7.110803
167.31345			42.664818	437.314388		2421.22844	138.660659
174.452925			45.903205	494.462734		3256.17302	142.937929
7.139474			3.238386	57.148345		834.944577	4.277269
174.452925			45.903205	494.462734		3256.17302	142.937929
0.16			0.04	0.41		2.27	0.13
167.31345			37.602267	437.314388		2256.70592	127.994455
174.452925			40.367318	494.462734		3037.74152	132.269835
0.06			0.02644	0.03		0.089932	0.06
0.48			0.10576	1.23		6.34726	0.36
			355.540153			355.540153	
			3.555401			3.555401	
0.48			0.12	1.23		6.81	0.39
0.001428			0.000357	0.003342		0.019346	0.001107
7.139474			3.238386	57.148345		834.944577	4.277269
7.139474			3.238386	57.148345		834.944577	4.277269

			0.014239			0.462739	0.03
			5.062551			164.522523	10.666204
-7.139474			-3.238386	-57.148345		-834.94458	-4.277269
-181.5924			-43.605705	-551.61108		-3872.6861	-136.54711
42.4091			12.4358	114.6472		546.9072	42.823
0.09			0.02	0.26		0.28	0.08
167.31345			42.664818	437.314388		2421.22844	138.660659
167.31345			42.664818	437.314388		2421.22844	138.660659
167.31345			42.664818	437.314388		2421.22844	138.660659
0.48			0.12	1.23		6.81	0.39
167.31345			42.664818	437.314388		2421.22844	138.660659
11.588261	11.563351	11.539791	11.544529	11.616558	11.60541		11.610659
0.722302	0.740426	0.758263	0.752298	0.715329	0.717088		0.698451
0.685355	0.615264	0.72371	0.71125	0.684403	0.685873		0.333754
271799.075	266874.802	290789.792	285990.72	302328.58	263899.431		141055.61
1038.58522	851.752611	941.901836	967.997078	1144.47973	1102.72369		491.878015
9902.02	9735.94	10456.17	10276.14	10830	9437.62		5051.71
0.052708	0.046766	0.044196	0.053125	0.045679	0.045531	0.045823	0.044659
112806.833	110595.483	118494.255	116490.199	123521.864	107499.939		57614.0338
137527.514	135204.812	148330.238	145944.078	153902.086	134711.49		71825.0347
2.3146	2.3146	2.3543	2.3543	2.3543	2.3543		2.3543
123478.36	121057.815	130853.206	128640.127	136405.194	118712.183		63623.1775
13686.47	13127.04	13809.45	13680.45	15101.17	13133.49		7219.7
40.733541	35.671304	41.099553	40.715625	41.035788	41.042156		20.510511
14448	15824	14448	14448	15824	13760	15136	15136
43	43	43	43	43	43	43	43
9902.02	9735.94	10456.17	10276.14	10830	9437.62		5051.71
28.510946	28.377646	28.693007	28.88237	28.994287	29.094704		29.120958
27.915531	27.848317	28.269295	28.279631	28.466797	28.430011		28.449813
276629.584	271052.54	294873.525	291006.609	307166.916	269048.485		143674.526
433430.51	435944.672	676180.968	621072.72	549135.11	423547.652		248925.447
156800.926	164892.132	381307.442	330066.11	241968.194	154499.167		105250.921
433430.51	435944.672	676180.968	621072.72	549135.11	423547.652		248925.447
317.96	305.28	321.15	318.15	351.19	305.43		167.9
29.62978	35.387468	32.85723	32.131339	32.363126	30.846667		29.845094
6.518551	6.369744	6.900018	3.213133	7.443519	6.169333		5.969018
9902.02	9735.94	10456.17	10276.14	10830	9437.62		5051.71
29.470297	26.456358	31.119553	30.58375	29.429347	29.492562		14.351448
97836.7938	107083.873	319370.495	269176.683	177403.316	98308.9487		75136.0657
97836.7938	107083.873	319370.495	269176.683	177403.316	98308.9487		75136.0657

9902.02	9735.94	10456.17	10276.14	10830	9437.62		5051.71
271799.075	266874.802	290789.792	285990.72	302328.58	263899.431		141055.61
-156800.93	-164892.13	-381307.44	-330066.11	-241968.19	-154499.17		-105250.92
-156800.93	-164892.13	-381307.44	-330066.11	-241968.19	-154499.17		-105250.92
2.54	2.15	2.25	1.02	2.29	2.32		1.82
	0.130434					1	0.5
80148.2595	92309.18	95781.7809	90315.8249	89310.0832	69812.4		45398.1796
1.11	0.96	0.92	1.13	1.09	1.16		0.59
4830.5091	4177.7376	4083.7328	5015.8892	4838.3356	5149.0544		2618.9156
335593.716	328860.799	356810.472	351896.036	371731.794	325238.704		173789.381
335593.716	328860.799	356810.472	351896.036	371731.794	325238.704		173789.381
261005.873	256262.628	279183.444	274584.205	290307.28	253423.673		135448.212
9902.02	9735.94	10456.17	10276.14	10830	9437.62		5051.71
4830.5091	4177.7376	4083.7328	5015.8892	4838.3356	5149.0544		2618.9156
335593.716	328860.799	356810.472	351896.036	371731.794	325238.704		173789.381
10793.2018	10612.1746	11606.3487	11406.5154	12021.3	10475.7582		5607.3981
0.3			0.15	0.15		0.45	0.3
0.000476			0.000131	0.001114		0.00647	0.0004
0.000476			0.000119	0.001114		0.006448	0.00034
						159.993068	10.666204
						0.661921	0.027097
0.48			0.12	1.23		6.81	0.36
0.028065	0.027581	0.023452	0.039613	0.026005	0.026468	0.021619	0.038181
7.2			1.8	18.45		102.15	5.4
157.71513			40.217358	412.227923		2282.33509	120.652075
0.464759			0.237026	0.237026		0.71108	0.474053
9.59832			2.44746	25.086465		138.893355	7.34238
979.71	1073.55	984.36	968.07	1075.29	934.59	1033.17	1015.68
2.915803	2.917255	2.929642	2.88116	2.921983	2.920593	2.935142	2.885454
1008	1104	1008	1008	1104	960	1056	1056
3	3	3	3	3	3	3	3
0.48			0.12	1.23		6.81	0.36
6.971393			3.555401	3.555401		10.666204	7.110803
6.971393			3.555401	3.555401		10.666204	7.110803
167.31345			42.664818	437.314388		2421.22844	127.994455
174.452925			45.903205	494.462734		3256.17302	132.141262
7.139474			3.238386	57.148345		834.944577	4.146807
174.452925			45.903205	494.462734		3256.17302	132.141262
0.16			0.04	0.41		2.27	0.12
167.31345			42.664818	437.314388		2261.23537	117.32825
174.452925			45.903205	494.462734		3045.29221	121.473168
0.06			0.03	0.03		0.09	0.06
0.48			0.12	1.23		6.36	0.33

0.48			0.12	1.23		6.81	0.36
0.001428			0.000357	0.003342		0.019346	0.001022
7.139474			3.238386	57.148345		834.944577	4.146807
7.139474			3.238386	57.148345		834.944577	4.146807
						0.45	0.03
						159.993068	10.666204
				0.02			
-7.139474			-3.238386	-57.148345		-834.94458	-4.146807
-181.5924			-49.141592	-551.61108		-3880.2368	-125.61998
42.4091			12.4358	114.6472		546.9072	40.2511
0.09			0.02	0.26		0.28	0.07
167.31345			42.664818	437.314388		2421.22844	127.994455
167.31345			42.664818	437.314388		2421.22844	127.994455
167.31345			42.664818	437.314388		2421.22844	127.994455
0.48			0.12	1.23		6.81	0.36
167.31345			42.664818	437.314388		2421.22844	127.994455
2.839169	2.696011	6.274237	7.284494	5.693757	6.093574	4.007657	6.399919
0.055365	0.052249	0.188927	0.147407	0.110999	0.093728	0.142342	0.115186
0.05213	0.051239	0.180642	0.1435	0.107885	0.092812	0.135715	0.112187
8025.42249	27722.7843	69014.1393	52708.7276	16289.5277	6931.72465	28850.8982	44182.9287
29.868698	84.962676	218.562246	172.483632	58.125636	27.942733	121.46097	144.36161
875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6	1974.5
0.039568	0.031576	0.031502	0.033154	0.026807	0.026843	0.030184	0.025511
12608.6	13520.8	43777.2	34737.6	28614.3	21286.2	34620.6	28467.7
80647.5038	89913.4023	275837.263	218154.274	159204.76	113933.52	164164.889	139602.657
1.251984	1.265267	2.470011	2.846335	2.148872	2.264346	1.338875	2.20386
1256.724	4085.9424	10652.615	8448.81654	2896.20979	1291.293	6096.33355	8922.80115
16169.9	17784.8	16284.1	16245.1	17873	15545	17063.8	17206.8
48.124702	48.32826	48.464583	48.348511	48.567934	48.578125	48.476704	48.882954
16800	18400	16800	16800	18400	16000	17600	17600
50	50	50	50	50	50	50	50
875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6	1974.5
31.518517	30.496626	67.29173	78.91823	54.429551	55.172615	34.68356	58.072463
17.922168	18.018574	35.595037	40.873682	30.699097	32.373336	19.274899	31.866788
80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66	140210.753
126869.707	118184.545	406822.888	320700.705	247605.833	152418.652	360756.4	234663.815
45903.2235	28016.0563	129939.551	101897.227	87914.4385	38111.4095	195715.739	94453.0622
126869.707	118184.545	406822.888	320700.705	247605.833	152418.652	360756.4	234663.815
77.93	100.22	254.48	296.77	220.47	179.36	178.2	217.1
72941.0613	62445.704	207869.198	166094.751	143401.867	107375.518	136189.762	96027.8246
114824.144	81400.3735	300857.558	238449.325	222063.938	143217.755	291561.435	154517.971
4.441823	3.603284	9.35745	10.876225	8.893064	9.648642	5.800761	8.39529
787.215882	653.640373	2284.23392	1815.56401	1780.41033	1393.72319	1959.01882	1346.40177
101.89942	104.325362	93.42282	93.784352	86.85933	80.854411	88.599682	83.099608
16.277745	19.81651	37.292773	45.954332	26.926392	19.404733	22.981035	35.387517

875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6	1974.5
2.606547	2.561956	9.032142	7.175	5.394293	4.640625	6.785795	5.609375
45903.2235	28016.0563	129939.551	101897.227	87914.4385	38111.4095	195715.739	94453.0622
45903.2235	28016.0563	129939.551	101897.227	87914.4385	38111.4095	195715.739	94453.0622
88.584117	289.159626	750.566077	595.235992	204.689665	91.276814	429.581184	628.098228
8025.42249	27722.7843	69014.1393	52708.7276	16289.5277	6931.72465	28850.8982	44182.9287
13.73	12.58	45.62	35.11	31.53	22.54	38.43	28.47
-45903.224	-28016.056	-129939.55	-101897.23	-87914.439	-38111.409	-195715.74	-94453.062
-160727.37	-109416.43	-430797.11	-340346.55	-309978.38	-181329.16	-487277.17	-248971.03
0.63	1.8	5.29	4.38	1.21	0.6	2.45	4.89
8129.1296	10022.5561	33629.728	25543.4393	18973.9308	12053.3263	20957.692	20274.8357
0.26	0.19	0.68	0.29	0.18	0.23	0.51	0.39
175.388	122.158	499.975	231.628	138.274	163.664	376.153	258.973
80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66	140210.753
80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66	140210.753
80647.5038	89913.4023	275837.263	218154.274	159204.76	113933.52	164164.889	139602.657
875.8	942.8	3034.8	2410.8	1985.1	1485	2388.6	1974.5
175.388	122.158	499.975	231.628	138.274	163.664	376.153	258.973
80966.4838	90168.4883	276883.338	218803.478	159691.395	114307.242	165040.66	140210.753
143.592	132.928	546.099999	417.576	348.361	210.058	499.617999	349.122999
			0.08	0.16			
0.3			0.15	0.15		0.45	0.3
0.000476			0.000119	0.001164		0.006501	0.000369
0.000476			0.000119	0.001059		0.006448	0.000369
						213.324091	1.078658
						0.882561	0.00274
0.64			0.16	1.56		9.08	0.52
0.027916	0.032255	0.041428	0.024553	0.02538	0.024531	0.036818	0.03
9.6			2.4	23.4		136.2	7.8
210.286841			53.623144	522.825658		3043.11345	174.275219
0.464759			0.237026	0.237026		0.71108	0.474053
12.79776			3.26328	31.81698		185.19114	10.60566
1306.48	1424.52	1288.32	1311	1434.64	1248.6	1356.16	1365.76
3.888333	3.870978	3.834285	3.901785	3.898478	3.901875	3.852727	3.88
1344	1472	1344	1344	1472	1280	1408	1408
4	4	4	4	4	4	4	4
0.64			0.16	1.56		9.08	0.52
6.971393			3.555401	3.555401		10.666204	7.110803
6.971393			3.555401	3.555401		10.666204	7.110803
223.084601			56.886424	554.642638		3228.30459	184.880879
232.603901			61.204273	628.296784		4341.56403	190.583905
9.519299			4.317849	73.654145		1113.25944	5.703026
232.603901			61.204273	628.296784		4341.56403	190.583905
0.16			0.04	0.39		2.27	0.13
223.084601			56.886424	554.642638		3014.9805	183.802221
232.603901			61.204273	628.296784		4060.38962	189.505056

0.08			0.04	0.04		0.12	0.079494
0.64			0.16	1.56		8.48	0.516966
						468.88233	355.540153
						4.688823	3.555401
0.64			0.16	1.56		9.08	0.52
0.001904			0.000476	0.004239		0.025795	0.001477
9.519299			4.317849	73.654145		1113.25944	5.703026
9.519299			4.317849	73.654145		1113.25944	5.703026
						0.6	0.003033
						213.324091	1.078658
0.16			0.03	0.37		2.12	0.13
-9.519299			-4.317849	-73.654145		-1113.2594	-5.703026
-242.1232			-65.522122	-701.95093		-5173.6491	-195.20808
						0.15	
42.4091			12.4358	108.7618		546.9072	42.823
0.09			0.02	0.24		0.28	0.08
223.084601			56.886424	554.642638		3228.30459	184.880879
223.084601			56.886424	554.642638		3228.30459	184.880879
223.084601			56.886424	554.642638		3228.30459	184.880879
0.64			0.16	1.56		9.08	0.52
223.084601			56.886424	554.642638		3228.30459	184.880879

10.528861	10.517488	10.419406	10.410502	10.507287	10.485343	10.741087	10.535898
0.530704	0.542558	0.612937	0.628328	0.546603	0.552423	0.418091	0.520305
0.50758	0.51482	0.578975	0.599687	0.514913	0.522912	0.289188	0.494887
319551.842	354105.114	367569.427	380964.023	359872.79	318122.865	195693.687	332097.067
1217.72311	1135.78421	1190.38068	1288.78036	1358.85165	1327.45662	839.154998	1229.65827
9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142	10208.14
0.046636	0.049918	0.058452	0.051696	0.056875	0.053156	0.065426	0.051903
102702.445	113837.169	115954.183	120042.844	113770.925	100335.682	61830.9149	104949.07
125507.138	138993.975	145452.786	151012.054	141993.974	126086.822	77316.7899	131122.924
3.056	3.056	3.110499	3.110499	3.110499	3.110499	3.110499	3.110499
188561.689	209005.042	215732.758	223339.711	211670.807	186674.536	115036.417	195257.745
18771.338	20488.318	18538.696	18671.718	20338.302	17755.214	14054.038	19556.578
55.867077	55.674777	55.17469	55.570589	55.267124	55.485043	39.926244	55.55846
19689.6	21564.8	19689.6	19689.6	21564.8	18752	20627.2	20627.2
58.6	58.599999	58.6	58.6	58.599999	58.6	58.6	58.6
9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142	10208.14
36.057309	36.095741	36.330636	36.441634	37.184658	36.808115	40.122325	36.849628
32.726948	32.688167	32.963967	32.93377	33.24783	33.17102	33.967763	33.334687
340688.48	380755.532	392336.547	404321.633	388073.237	342214.208	216634.991	356058.912
510438.12	563174.051	832778.563	798254.486	643089.385	502097.921	401068.142	557239.888
169749.64	182418.519	440442.016	393932.854	255016.147	159883.713	184433.15	201180.976
510438.12	563174.051	832778.563	798254.486	643089.385	502097.921	401068.142	557239.888
320.33	349.63	316.36	318.63	347.07	302.99	239.83	333.73
13.71456				10.229579	129.657175		0.159655
13.678824				10.210854	203.027187		0.144622

0.399442				0.293044	3.331919		0.004517
0.399442				0.293044	3.632895		0.004517
32.418381	35.243725	33.112184	36.717073	34.748717	32.337	22.8467	30.032084
28.196671	27.842542	22.847407	29.006488	28.803834	24.223082	13.936487	24.324525
9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142	10208.14
29.744208	30.168461	33.927952	35.141678	30.173907	30.642656	16.946426	29.000397
116067.073	122915.831	379832.764	331186.459	195548.085	107438.252	152114.131	146324.097
116067.073	122915.831	379832.764	331186.459	195548.085	107438.252	152114.131	146324.097
9993.65456	11101.994	11399.792	11807.604	11103.705	9802.0171	5965.142	10208.1355
319551.842	354105.114	367569.427	380964.023	359872.79	318122.865	195693.687	332097.067
0.01					0.05		
-169749.64	-182418.52	-440442.02	-393932.85	-255016.15	-159883.71	-184433.15	-201180.98
-169763.32	-182418.52	-440442.02	-393932.85	-255026.36	-160086.74	-184433.15	-201181.12
17.34	16.67	12.87	14.71	17.61	15.58	9.06	14.94
						0.272727	
77021.4686	98845.861	88460.5033	86480.493	82929.7367	65458.7287	47042.4593	81794.4421
1.07	1.35	1.23	1.16	1.4	1.19	1.04	1.19
21122.9235	26650.4175	24767.1201	23357.6092	28190.218	23961.6853	20941.3048	23961.6853
394371.048	440258.22	452945.799	467068.027	447541.3	394659.669	248954.011	410915.791
394371.048	440258.22	452945.799	467068.027	447541.3	394659.669	248954.011	410915.791
314068.827	347999.017	361185.544	374351.765	353664.78	312761.358	192353.207	326380.668
9994.054	11101.994	11399.792	11807.604	11103.998	9805.65	5965.142	10208.14
21122.9235	26650.4175	24767.1201	23357.6092	28190.218	23961.6853	20941.3048	23961.6853
394371.048	440258.22	452945.799	467068.027	447541.3	394659.669	248954.011	410915.791
5496.7297	6106.0967	6383.88352	6612.25824	6218.23888	5491.164	3340.47952	5716.5584
0.05				0.05	0.15		0.01
2.4	2.25	6	7.2	5.1	5.1	3.9	5.4
0.0514	0.04779	0.179521	0.137504	0.102483	0.083863	0.137671	0.107185
0.04866	0.046576	0.175327	0.13363	0.10076	0.082	0.134232	0.10517
1440.34691	3695.13095	13172.7887	8823.58541	2267.02503	1147.24835	3996.70424	7652.70912
5.389167	11.371784	41.807491	28.798165	8.100557	4.580434	16.817718	25.160588
228.9	239.96	824.74	628.6	519.12	367.36	661.5	518.28
0.035952	0.021902	0.028005	0.031607	0.034402	0.025468	0.03213	0.027102
3433.5	3599.4	12371.1	9429	7786.8	5510.4	9922.5	7774.2
21958.2382	23919.7972	78000.0778	58942.9926	43662.6949	29652.4273	46940.5033	38083.6471
1.011818	0.980148	2.244785	2.653438	1.827185	1.790066	1.248619	1.780248
230.595319	543.669701	1979.4425	1462.68138	393.934482	214.531061	856.578501	1546.35641
4534.88	5039.16	4572.26	4555.32	4974.76	4365.9	4769.66	4794.44
13.496666	13.693369	13.607916	13.5575	13.518369	13.643437	13.55017	13.620568
4704	5152	4704	4704	5152	4480	4928	4928
14	14	14	14	14	14	14	14
228.9	239.96	824.74	628.6	519.12	367.36	661.5	518.28
15.643884	14.812105	34.020467	39.986859	27.660634	27.05137	19.136629	26.96866
15.643884	14.812105	34.020467	39.986859	27.660634	27.05137	19.136629	26.96866
22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033	38220.1471
33784.4241	30852.5115	113560.218	85093.521	67124.1542	39225.3415	102183.901	63611.093

11700.1859	6838.21435	35287.1406	26045.5284	23356.4593	9499.41421	54970.3981	25390.946
33784.4241	30852.5115	113560.218	85093.521	67124.1542	39225.3415	102183.901	63611.093
39.97	56.11	133.23	159.46	126.25	92.65	96.54	114.82
20643.8913	20319.1662	65100.289	50224.4072	41500.6698	28578.6789	43216.799	30567.4379
31653.9909	26091.4998	94111.1915	71405.9945	63830.7942	37694.4133	91699.2133	50200.5911
2.204726	2.01985	5.359566	6.540355	4.580824	4.727708	3.586763	4.820366
213.526978	203.715353	692.777166	531.087908	492.857701	353.057929	604.394766	415.189572
99.482271	103.099748	98.24564	94.956102	92.066378	85.311628	75.781682	77.199962
8.953404	15.464962	29.473692	37.859608	23.937258	13.64986	14.908561	23.931988
228.9	239.96	824.74	628.6	519.12	367.36	661.5	518.28
0.68125	0.652065	2.454583	1.870833	1.410652	1.148	1.879261	1.472386
11700.1859	6838.21435	35287.1406	26045.5284	23356.4593	9499.41421	54970.3981	25390.946
11700.1859	6838.21435	35287.1406	26045.5284	23356.4593	9499.41421	54970.3981	25390.946
15.373021	36.244646	131.962833	97.512091	26.262298	14.30207	57.105233	103.090427
1440.34691	3695.13095	13172.7887	8823.58541	2267.02503	1147.24835	3996.70424	7652.70912
5.14	6.05	15.02	11.81	9.35	9.84	8.17	8.49
-11700.186	-6838.2143	-35287.141	-26045.528	-23356.459	-9499.4142	-54970.398	-25390.946
-43354.177	-32929.714	-129398.33	-97451.523	-87187.254	-47193.827	-146669.61	-75591.537
0.29	0.76	2.21	1.59	0.56	0.27	0.5	1.32
4345.1744	5426.7555	18308.2977	13510.993	10004.3909	6388.4634	11105.0294	10686.2507
0.12	0.09	0.26	0.1	0.1	0.07	0.26	0.13
126	94.5	273	105	105	73.5	273	136.5
22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033	38220.1471
22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033	38220.1471
21958.2382	23919.7972	78000.0778	58942.9926	43662.6949	29652.4273	46940.5033	38083.6471
228.9	239.96	824.74	628.6	519.12	367.36	661.5	518.28
126	94.5	273	105	105	73.5	273	136.5
22084.2382	24014.2972	78273.0778	59047.9926	43767.6949	29725.9273	47213.5033	38220.1471
			0.01	0.13			
11.081774	11.049884	11.060025	11.02405	11.108727	11.065138	11.212427	11.062701
0.386195	0.39093	0.479965	0.469061	0.415205	0.416656	0.334296	0.389207
0.371302	0.372077	0.462664	0.450647	0.398659	0.400235	0.270604	0.353751
1395632.84	1686863.2	1914533.92	1837894.45	1598041.64	1263586.14	1114800.02	1520277.69
5311.84122	5396.52716	6183.10867	6191.43965	6013.25872	5262.38254	4770.46545	5546.26043
45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314	45711.548
0.035362	0.032129	0.033728	0.035665	0.03346	0.034065	0.035511	0.033582
499357.843	545706.471	621735.911	603235.042	588513.827	511533.747	386293.06	498155.504
795433.74	881611.392	1331104.96	1209082.95	1057993.46	882537.055	790762.692	891053.197
3.000073	3.034631	3.279162	3.247357	3.11916	3.092671	3.281448	3.164674
765181.752	844423.959	864225.71	866337.262	862637.432	757787.947	564346.268	744484.047
7696.45202	22192.5572	48294.9901	38918.3533	15137.6746	7138.93583	26515.5966	36138.9514
118609.128	128595.133	118913.386	118535.693	129835.237	112846.859	104501.903	117257.003
353.003357	349.443296	353.908886	352.7848	352.813144	352.646434	296.880406	333.116485
123345.6	135092.8	123345.6	123345.6	135092.8	117472	129219.2	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314	45711.548

199.19872	164.418083	236.981613	275.337012	229.857298	219.895957	190.104399	244.657994
34.661207	34.952056	37.929561	37.420163	36.215037	35.81492	38.592186	36.684743
1665864.56	1845095.41	2343030.8	2215788.96	2059294.33	1762371.66	1460455.47	1758497.43
2416359.84	2624033.3	4454601.27	3987774.41	3279191.9	2470926.41	2634842.48	2689588.29
750495.272	778937.887	2111570.48	1771985.45	1219897.57	708554.746	1174387.01	931090.868
2416359.84	2624033.3	4454601.27	3987774.41	3279191.9	2470926.41	2634842.48	2689588.29
1164.96	1265.26	1571.02	1642.58	1600.6	1354.33	994.74	1330.45
237855.749	120277.682	393005.26	342431.556	419788.576	462316.109	317265.72	203472.793
387644.965	160826.765	592009.969	508352.737	693564.748	695097.924	684127.618	325027.458
4.159813	2.76507	6.336927	5.204417	5.741623	12.610726	3.704073	4.089821
3750.8933	1413.88231	4757.11741	4359.0694	6818.01086	9184.34146	4926.00905	3233.00686
35.996173	38.946	45.994109	48.59658	39.494151	36.222186	30.855032	39.775459
35.958651	38.94326	45.964958	48.573657	39.448378	36.187152	30.772482	39.655174
45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314	45711.548
136.305023	136.589641	169.844315	165.432738	146.347842	146.926393	99.33896	129.862352
508115.107	514316.356	1842722.62	1502983.3	950515.974	472055.91	1015493.46	708903.933
508115.107	514316.356	1842722.62	1502983.3	950515.974	472055.91	1015493.46	708903.933
42047.5947	48851.1057	52310.5726	51226.3306	47037.9951	37832.1045	30041.305	42478.5411
1395632.84	1686863.2	1914533.92	1837894.45	1598041.64	1263586.14	1114800.02	1520277.69
52.89	31.04	83.19	77.92	85.45	92.08	64.99	56.03
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-1138140.2	-939764.65	-2703580.4	-2280338.2	-1913462.3	-1403652.7	-1858514.6	-1256118.3
260.36	334.63	249.51	251.56	259.54	191.14	273.51	287.83
	0.011857					0.115702	0.045454
261737.606	327746.806	363127.569	333278.459	310460.642	239108.611	174253.054	266675.074
3.95	3.85	4.43	4.03	5.02	4.04	3.92	4.19
32860.7118	38376.5596	36543.8879	36037.8106	41974.361	36971.9187	29265.5946	35502.4873
1908244.73	2109716.95	2611878.66	2484791.11	2328675.93	1998870.5	1619349.01	1980684.36
1908244.73	2109716.95	2611878.66	2484791.11	2328675.93	1998870.5	1619349.01	1980684.36
1560615.49	1726035.35	2195330.67	2075420.21	1920630.89	1640325	1355108.96	1635537.24
45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314	45711.548
32860.7118	38376.5596	36543.8879	36037.8106	41974.361	36971.9187	29265.5946	35502.4873
1908244.73	2109716.95	2611878.66	2484791.11	2328675.93	1998870.5	1619349.01	1980684.36
72388.3591	80683.5041	111156.242	104330.943	96689.0734	85074.743	76080.9146	87457.6944
22.73	1.54	3.26	6.23	22.94	36.69	6.16	6.46

3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942	765353.283
2205.37083	3590.01275	2267.2632	2188.46758	2089.00373	1329.93548	2022.82334	2800.187
-88122.138	-114909.88	-103850.76	-99380.22	-97411.322	-76757.981	-82067.806	-95210.929
88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	95210.9291
581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942	765353.283
259.07	334.8	248.62	250.81	258.53	190.45	280.38	288.63
182.677154	233.717456	203.056281	203.498984	178.548244	149.685918	176.33869	215.015374
91.474485	125.304435	102.284817	99.10037	88.905603	75.793535	96.536759	106.772642
26773.0087	44337.0553	30842.9752	28847.5578	26888.9336	17016.0398	30609.4425	34358.3158

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-262.26827	-312.25512	-309.07964	-295.77446	-264.70468	-239.86869	-233.14718	-270.48559
-3333410.3	-4423893.3	-5699243.9	-5103193.9	-4137487.5	-2943969.8	-3269020.3	-3849837.2
-37.747743	-38.521396	-54.766163	-51.24062	-42.427371	-38.422212	-39.720764	-40.207453
-3333410.3	-4423893.3	-5699243.9	-5103193.9	-4137487.5	-2943969.8	-3269020.3	-3849837.2
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
3914428.09	5550934.4	6404329.55	5753443.76	4694280.28	3264492.37	3742495.27	4615190.47
88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	95210.9291
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19

3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942	765353.283
2205.37083	3590.01275	2267.2632	2188.46758	2089.00373	1329.93548	2022.82334	2800.187
-88122.138	-114909.88	-103850.76	-99380.22	-97411.322	-76757.981	-82067.806	-95210.929
88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	95210.9291
581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942	765353.283
259.07	334.8	248.62	250.81	258.53	190.45	280.38	288.63
182.677154	233.717456	203.056281	203.498984	178.548244	149.685918	176.33869	215.015374
91.474485	125.304435	102.284817	99.10037	88.905603	75.793535	96.536759	106.772642
26773.0087	44337.0553	30842.9752	28847.5578	26888.9336	17016.0398	30609.4425	34358.3158
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-262.26827	-312.25512	-309.07964	-295.77446	-264.70468	-239.86869	-233.14718	-270.48559
-3333410.3	-4423893.3	-5699243.9	-5103193.9	-4137487.5	-2943969.8	-3269020.3	-3849837.2
-37.747743	-38.521396	-54.766163	-51.24062	-42.427371	-38.422212	-39.720764	-40.207453
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3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
3914428.09	5550934.4	6404329.55	5753443.76	4694280.28	3264492.37	3742495.27	4615190.47
88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	95210.9291
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19

272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358	258640.497
1043.8438	977.511594	968.260221	1008.72938	1279.99082	1326.65971	1380.73811	973.205232
6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189	5895.61197
240740.634	274694.593	370398.319	342200.565	322470.839	276618.354	288502.699	230356.452
6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189	5895.61197
19.173907	19.524807	20.245178	20.16873	20.880368	22.596389	20.78509	16.748897
-31967.552	-29451.927	71977.9167	44907.0221	-14625.178	-40598.804	-32465.658	-28284.045

-31967.552	-29451.927	71977.9167	44907.0221	-14625.178	-40598.804	-32465.658	-28284.045
6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189	5895.61197
272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358	258640.497
31967.5523	29451.9269	-71977.917	-44907.022	14625.1777	40598.804	32465.6582	28284.0446
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88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	95210.9291
272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358	258640.497
272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358	258640.497
6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189	5895.61197
272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358	258640.497
272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358	258640.497
6442.43293	7185.12922	6802.37981	6776.69348	7683.97576	7230.84472	7316.35189	5895.61197
240740.634	274694.593	370398.319	342200.565	322470.839	276618.354	288502.699	230356.452
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272708.186	304146.52	298420.402	297293.543	337096.017	317217.158	320968.358	258640.497

264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636	248943.673
1010.84442	946.501676	933.882306	973.11528	1234.42123	1280.33618	1332.03853	936.787595
7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551	6610.29403
270397.188	308488.842	416143.456	384610.35	362276.099	310920.364	324234.113	258192.335
70.072513	32.372222	24.787325	29.326934	43.447727	11.565898	19.110093	26.393923
0.700725	2.9135	0.495746	1.173077	0.434477	0.115658	8.026239	3.43121
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21.539294	21.930431	22.746056	22.665286	23.457266	25.40407	23.358566	18.779244
6311.65078	13999.9923	128320.319	97809.2529	37184.6516	4770.83567	14585.4768	9248.66206
6311.65078	13999.9923	128320.319	97809.2529	37184.6516	4770.83567	14585.4768	9248.66206
7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551	6610.29403
264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636	248943.673
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0.02	0.79	0.04	0.29	0.07	0.09	7.34	1.68
88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	95210.9291
264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636	248943.673
264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636	248943.673
7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551	6610.29403
264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636	248943.673
264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636	248943.673
7237.20299	8070.39872	7642.67489	7615.53631	8632.27423	8129.30241	8222.21551	6610.29403
270397.188	308488.842	416143.456	384610.35	362276.099	310920.364	324234.113	258192.335
6311.65078	13999.9923	128320.319	97809.2529	37184.6516	4770.83567	14585.4768	9248.66206
264085.537	294488.849	287823.136	286801.098	325091.448	306149.529	309648.636	248943.673

123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361	165796.711
472.245125	535.804546	503.245783	457.496782	667.957699	660.692142	639.603836	623.612781
2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631	3236.32073
87467.3117	121905.649	163312.576	129089.432	143451.645	117317.835	113812.086	126122.939
2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631	3236.32073

7.167381	8.838722	9.015262	7.835061	9.307576	9.604715	8.242205	9.194092
-35906.839	-44727.607	8130.33541	-5777.6784	-32020.743	-40138.034	-34819.275	-39673.772
-35906.839	-44727.607	8130.33541	-5777.6784	-32020.743	-40138.034	-34819.275	-39673.772
2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631	3236.32073
123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361	165796.711
35906.8389	44727.6068	-8130.3354	5777.67843	32020.743	40138.0338	34819.2749	39673.772
35906.8389	44727.6068	-8130.3354	5777.67843	32020.743	40138.0338	34819.2749	39673.772
88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	92200.9282
123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361	165796.711
123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361	165796.711
2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631	3236.32073
123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361	165796.711
123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361	165796.711
2408.2403	3252.64993	3029.12826	2632.58073	3425.18813	3073.50906	2901.25631	3236.32073
87467.3117	121905.649	163312.576	129089.432	143451.645	117317.835	113812.086	126122.939
-35906.839	-44727.607	8130.33541	-5777.6784	-32020.743	-40138.034	-34819.275	-39673.772
123374.151	166633.256	155182.241	134867.111	175472.388	157455.869	148631.361	165796.711

260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191	218364.213
996.574202	839.393936	871.662575	645.546013	1181.39888	1208.16673	1063.31176	825.80466
3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504	2631.8454
116347.673	119702.682	172450.041	108882.862	157048.764	134007.257	116117.237	99934.8041
3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504	2631.8454
9.564458	8.732455	9.592349	6.790239	10.171073	10.863064	8.458054	7.476833
-143797.95	-140433.69	-94964.725	-80414.899	-153504.23	-154411.46	-130903.95	-118429.41
-143797.95	-140433.69	-94964.725	-80414.899	-153504.23	-154411.46	-130903.95	-118429.41
3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504	2631.8454
260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191	218364.213
143797.949	140433.686	94964.7246	80414.8987	153504.227	154411.46	130903.954	118429.409
143797.949	140433.686	94964.7246	80414.8987	153504.227	154411.46	130903.954	118429.409
87991.2145	112615.539	101913.071	95714.502	97411.322	76757.9813	81836.0997	95210.9291
260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191	218364.213
260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191	218364.213
3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504	2631.8454
260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191	218364.213
260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191	218364.213
3213.65809	3213.54377	3223.02959	2281.52055	3742.95518	3476.18075	2977.23504	2631.8454
116347.673	119702.682	172450.041	108882.862	157048.764	134007.257	116117.237	99934.8041
-143797.95	-140433.69	-94964.725	-80414.899	-153504.23	-154411.46	-130903.95	-118429.41
260145.623	260136.368	267414.765	189297.76	310552.991	288418.717	247021.191	218364.213

920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094
3523.50754	3299.21175	3277.05089	3084.88746	4363.76862	4475.85477	4415.69224	3359.41027
19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588	18374.0721
714952.807	824791.766	1122304.39	964783.21	985247.347	838863.811	842666.135	714606.531
70.072513	32.372222	24.787325	29.326934	43.447727	11.565898	19.110093	26.393923
0.700725	2.9135	0.495746	1.173077	0.434477	0.115658	8.026239	3.43121

19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588	18374.0721
57.445042	59.026417	61.598846	57.459318	63.816286	68.46824	60.843916	52.199068
-205360.69	-200613.23	113463.847	56523.6979	-162965.5	-230377.46	-183603.41	-177138.56
-205360.69	-200613.23	113463.847	56523.6979	-162965.5	-230377.46	-183603.41	-177138.56
19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588	18374.0721
920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094
205360.69	200613.228	-113463.85	-56523.698	162965.496	230377.462	183603.411	177138.564
205360.69	200613.228	-113463.85	-56523.698	162965.496	230377.462	183603.411	177138.564
0.02	0.79	0.04	0.29	0.07	0.09	7.34	1.68
352357.628	457345.187	413465.352	393855.161	389645.288	307031.925	328039.518	377833.716
920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094
920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094
19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588	18374.0721
920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094
920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094
19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588	18374.0721
714952.807	824791.766	1122304.39	964783.21	985247.347	838863.811	842666.135	714606.531
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920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094

11.081774	11.049884	11.060025	11.02405	11.108727	11.065138	11.212427	11.062701
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0.371302	0.372077	0.462664	0.450647	0.398659	0.400235	0.270604	0.353751
3333410.33	4423893.29	5699243.94	5103193.86	4137487.52	2943969.83	3269020.33	3849837.19
2896964.1	3839309.3	3628460.08	3396403.86	3303047.24	2653349.95	2614544.51	3177376.07
11040.7196	12285.7517	11727.4228	11464.7947	12466.0311	11068.1728	11208.981	11705.8577
-23022.115	-42923.173	-26085.858	-24488.488	-20070.923	-7831.6984	-25683.433	-31125.309
3214580.3	3520730.8	3269889.72	3269889.72	3581307.79	3114180.68	3425598.75	3425598.75
0.035362	0.032129	0.033728	0.035665	0.03346	0.034065	0.035511	0.033582
499357.843	545706.471	621735.911	603235.042	588513.827	511533.747	386293.06	498155.504
795433.74	881611.392	1331104.96	1209082.95	1057993.46	882537.055	790762.692	891053.197
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765181.752	844423.959	864225.71	866337.262	862637.432	757787.947	564346.268	744484.047
7696.45202	22192.5572	48294.9901	38918.3533	15137.6746	7138.93583	26515.5966	36138.9514
118609.128	128595.133	118913.386	118535.693	129835.237	112846.859	104501.903	117257.003
353.003357	349.443296	353.908886	352.7848	352.813144	352.646434	296.880406	333.116485
123345.6	135092.8	123345.6	123345.6	135092.8	117472	129219.2	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
45798.488	50264.988	57067.69	55585.4	53856.006	47016.446	34967.314	45711.548
199.19872	164.418083	236.981613	275.337012	229.857298	219.895957	190.104399	244.657994
34.661207	34.952056	37.929561	37.420163	36.215037	35.81492	38.592186	36.684743
1665864.56	1845095.41	2343030.8	2215788.96	2059294.33	1762371.66	1460455.47	1758497.43
2416359.84	2624033.3	4454601.27	3987774.41	3279191.9	2470926.41	2634842.48	2689588.29
88122.1377	114909.883	103850.76	99380.2195	97411.322	76757.9813	82067.8062	95210.9291
750495.272	778937.887	2111570.48	1771985.45	1219897.57	708554.746	1174387.01	931090.868

3131312.64	3448825.07	5576905.67	4952557.62	4264439.25	3309790.22	3477508.61	3404194.82
1164.96	1265.26	1571.02	1642.58	1600.6	1354.33	994.74	1330.45
237855.749	120277.682	393005.26	342431.556	419788.576	462316.109	317265.72	203472.793
29.335245	29.911246	40.866255	38.383013	32.368546	29.784827	30.637446	30.42904
581017.759	1127041.11	705085.611	650249.9	556792.762	320522.539	473474.942	765353.283
259.07	334.8	248.62	250.81	258.53	190.45	280.38	288.63
182.677154	233.717456	203.056281	203.498984	178.548244	149.685918	176.33869	215.015374
5.717155	10.442036	8.523734	6.193773	5.5566	6.316127	6.435783	6.67329
26,773	44,337	30,843	28,848	26,889	17,016	30,609	34,358
387644.965	160826.765	592009.969	508352.737	693564.748	695097.924	684127.618	325027.458
2.859872	1.612958	3.696541	3.578036	3.947365	7.356256	2.469382	2.811752
3,751	1,414	4,757	4,359	6,818	9,184	4,926	3,233
35.982408	38.921585	45.963772	48.584239	39.460241	36.214508	30.705962	39.478209
35.944885	38.918882	45.934622	48.56135	39.41447	36.179474	30.626691	39.358811
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61349.129	70572.8273	73007.7851	70532.6617	70522.3884	59741.9415	51458.3637	60852.6133
2315946.34	2712268.19	2923374.47	2746153.96	2746254.48	2332827.41	2141069.57	2412022.79
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6196228.84	8332513.78	6857174.97	6686471.59	6525091.25	5205397.84	5493182.81	6961809.47
	0.011857					0.115702	0.045454
702217.372	900001.875	880443.681	826513.839	797517.252	622898.518	584360.378	739719.718
3.95	3.85	4.43	4.03	5.02	4.04	3.92	4.19
32860.7118	38376.5596	36543.8879	36037.8106	41974.361	36971.9187	29265.5946	35502.4873
9376548.85	11079746	12589852.9	11766134.2	11195684.1	9126262.28	9340237.64	10147865.4
6161968.55	7559015.23	9319963.14	8496244.48	7614376.29	6012081.6	5914638.89	6722266.65
1560615.49	1726035.35	2195330.67	2075420.21	1920630.89	1640325	1355108.96	1635537.24
65100.0223	71986.7096	77764.9025	74891.7311	77340.3993	68926.2829	56384.3728	64085.6201
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6161968.55	7559015.23	9319963.14	8496244.48	7614376.29	6012081.6	5914638.89	6722266.65
72388.3591	80683.5041	111156.242	104330.943	96689.0734	85074.743	76080.9146	87457.6944
920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094
19301.5343	21721.7216	20697.2125	19306.3311	23484.3933	21909.8369	21417.0588	18374.0721
714952.807	824791.766	1122304.39	964783.21	985247.347	838863.811	842666.135	714606.531
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920313.496	1025404.99	1008840.54	908259.512	1148212.84	1069241.27	1026269.55	891745.094

2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02
3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85
-3114180.7	-3581307.8	-3114180.7	-3425598.8	-3269889.7	-3114180.7	-3503708.8	-3185189.8
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3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85
3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85
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49.530303	45.027153	37.961853	38.194773	38.039493	38.815903	55.328273	51.560763
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49.405928	44.902778	37.837478	38.070398	37.915118	38.691528	55.203585	51.436075
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48.784054	44.280904	37.215604	37.448524	37.293244	38.069654	54.580147	50.812637
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49.482467	44.979317	37.914017	38.146937	37.991657	38.768067	55.280316	51.512806
49.520736	45.017586	37.952286	38.185206	38.029926	38.806336	55.318682	51.551172
22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.789836	22.789836
1.25	1.25	1.25	1.25	1.25	1.25	1.3	1.3
49.22415	44.721	37.6557	37.88862	37.73334	38.50975	55.02135	51.25384
4.793648	4.795085	4.806738	4.936133	5.757302	6.524638	6.488381	6.507021
37.262167	34.26019	29.550966	29.717026	29.68194	30.263499	41.350178	38.840056
37.262167	34.26019	29.550966	29.717026	29.68194	30.263499	41.350178	38.840056

0.13894	0.13894	0.6947	0.13894			0.416819	0.55576
0.001083	0.003043	0.01744	0.000277			0.014898	0.005349
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917.292917	1079.87667	2982.42444	503.411293			683.753047	2396.10801
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7.8	25.2	119.2	2.2			105.4	38.2
0.031906	0.026847	0.034	0.021818	0.028928	0.032562	0.029318	0.029812
108.3732	350.1288	1656.1648	30.5668			1464.4276	530.7508
2421.3799	7822.91968	37003.6518	682.953305			33374.0654	12095.7239
0.237026	0.237026	1.185133	0.237026			0.725302	0.967069
147.35504	476.070129	2251.88728	41.561677			2031.01464	736.098284
6970.275	8057.7	6955.2	7747.2	7341.3	6965.55	7687.8	6985.35
21.782109	21.895923	21.735	22.00909	21.849107	21.767343	21.84034	21.829218
7200	8280	7200	7920	7560	7200	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
7.8	25.2	119.2	2.2			105.4	38.2
3.318936	3.305949	16.564617	3.305949			10.294017	13.651649
3.318936	3.305949	16.564617	3.305949			10.294017	13.651649
2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956
3305.86268	10929.1265	80147.5699	757.561365			47182.4558	15877.9312
717.092538	2598.13272	40679.8716	30.252381			11600.0825	2965.83562
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3.11	3.68	14.74	0.42			6.44	8.24
1671.47722	7251.11714	36485.2739	223.897689			34898.6202	10515.9876
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333.300078	333.987758	335.293927	335.724669			337.201575	343.768593
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7.8	25.2	119.2	2.2			105.4	38.2
0.024375	0.068478	0.3725	0.00625			0.299431	0.119375
717.092538	2598.13272	40679.8716	30.252381			11600.0825	2965.83562
717.092538	2598.13272	40679.8716	30.252381			11600.0825	2965.83562
2.774672	3.266464	8.990744	1.522743			2.027727	7.098715
917.292917	1079.87667	2982.42444	503.411293			683.753047	2396.10801
0.06	0.26	0.78	0.05			0.47	0.52
-717.09254	-2598.1327	-40679.872	-30.252381			-11600.083	-2965.8356
-2816.8286	-12066.337	-117019.89	-257.19244			-57789.217	-15821.334
0.03	0.02	0.06	0.03				0.06
135.6829	397.6601	1524.298	24.9649			1669.7829	595.7923
0.01		0.06				0.04	0.03
10.1292		60.7752				41.3272	30.9954
2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956
2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956
2568.73494	8298.98981	39255.5391	724.514983			35405.0801	12831.8222

7.8	25.2	119.2	2.2			105.4	38.2
10.1292		60.7752				41.3272	30.9954
2588.77014	8330.99381	39467.6983	727.308983			35582.3733	12912.0956
9.906	32.004	151.384	2.794			135.966	49.278
7.06425	5.46302	2.35475	4.42693	3.7676	2.91989	4.803689	5.74559
0.297291	0.25327	0.138611	0.166945	0.12458	0.11386	0.218381	0.213965
0.289281	0.245244	0.136218	0.161676	0.121755	0.111531	0.210568	0.207812
281622.025	240277.304	73996.0725	190087.17	73036.9416	127059.869	225005.064	185601.791
843.24365	766.118836	286.708388	766.778684	271.32936	392.158252	704.732562	603.128858
5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857
0.024843	0.027092	0.033281	0.032357	0.03375	0.023187	0.026903	0.032406
50571.1761	49303.7555	23813.3042	31090.0468	22349.2148	19497.5184	40491.9042	36329.083
250210.374	243805.543	115303.616	162035.977	137510.946	132606.771	259183.776	235268.611
3.636331	2.808138	1.21855	2.416283	2.370952	2.096417	2.893396	3.428848
47774.2184	40803.7211	12747.1566	30844.6137	10178.4931	16316.7846	30596.9299	24842.8517
18098.9	20765.74	17942.3	19755.38	18830.28	18129.64	19866.74	17958.54
56.559062	56.428641	56.069687	56.123238	56.0425	56.655125	56.439602	56.120437
18560	21344	18560	20416	19488	18560	20416	18560
58	58	58	58	58	58	58	58
5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857
41.042517	31.711066	13.717938	27.0607	25.983862	22.572239	32.097578	37.873149
41.042517	31.711066	13.717938	27.0607	25.983862	22.572239	32.097578	37.873149
298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199
512231.027	496044.723	500618.998	302713.81	236559.269	214689.051	610875.921	502448.833
214036.17	205435.625	362725.139	111064.331	77735.9764	63551.5419	312477.674	232031.634
512231.027	496044.723	500618.998	302713.81	236559.269	214689.051	610875.921	502448.833
208.29	182.16	81.36	126.89	101.45	90.23	238.68	211.44
16572.8316	50331.7944	63897.7867	1562.30878	85786.3506	24077.6396	73393.1834	84815.4079
25118.8518	86092.2905	230082.746	2671.14052	127418.782	34302.9588	151995.754	147897.279
9.340898	11.971417	9.955997	2.508318	17.0722	6.633686	12.759085	16.832274
296.948481	902.434903	1174.875	26.057236	1292.14585	337.693358	1050.53342	1219.4746
58.74065	57.548999	56.463742	62.766569	67.268757	76.670018	66.4312	64.3486
44.044728	33.358132	14.10893	29.498999	26.854127	23.760843	33.130049	39.23044
5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857
16.778312	14.224184	7.900687	9.377215	7.061845	6.468812	12.212954	12.053125
214036.17	205435.625	362725.139	111064.331	77735.9764	63551.5419	312477.674	232031.634
214036.17	205435.625	362725.139	111064.331	77735.9764	63551.5419	312477.674	232031.634
5072.11152	4332.0651	1353.345	3274.72276	1080.63415	1732.32664	3248.42658	2637.5254
281622.025	240277.304	73996.0725	190087.17	73036.9416	127059.869	225005.064	185601.791
6.84	12.94	6.09	1.36	15.34	7.75	13.46	15.19
-214036.17	-205435.62	-362725.14	-111064.33	-77735.976	-63551.542	-312477.67	-232031.63
-239155.02	-291527.92	-592807.88	-113735.47	-205154.76	-97854.501	-464473.43	-379928.91
23.65	18.91	3.57	24.28	5.88	10.82	13.95	7.99
30927.7289	28035.0842	11206.9875	14151.868	10952.0871	11486.4851	23512.3364	20297.6099
0.66	0.69	0.3	0.65	0.52	0.32	0.56	0.43
307.23	321.195	139.65	302.575	242.06	148.96	265.8936	204.1683

298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199
298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199
250210.374	243805.543	115303.616	162035.977	137510.946	132606.771	259183.776	235268.611
5369.06	5234.5	2528.22	3300.78	2372.78	2070.02	4298.96	3857
307.23	321.195	139.65	302.575	242.06	148.96	265.8936	204.1683
298194.856	290609.098	137893.859	191649.478	158823.292	151137.509	298398.247	270417.199
47677.2528	46482.36	22450.5936	29310.9264	21070.2864	18381.7776	38948.5776	34944.42
0.01			0.01			0.06	0.27
10.880851	10.970913	11.344998		11.071703	11.054735	10.984571	10.979889
0.717541	0.68458	0.515083		0.63344	0.651145	0.691771	0.686869
0.689902	0.658754	0.37461		0.525735	0.629085	0.671797	0.660288
861577.18	946698.686	464861.006		662698.351	791356.02	943828.113	839165.05
2701.18517	3163.42344	1825.31665		2463.84923	2494.1046	2998.79107	2778.32582
24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432
0.037843	0.037663	0.033218	0.031676	0.036309	0.033781	0.030795	0.039
264650.864	291786.609	148536.247		213802.909	243419.68	284397.567	254168.067
330696.679	364060.791	184906.355		267194.704	303636.243	369117.858	329923.835
3.0994	3.099399	3.0994		3.0994	3.0994	3.1673	3.1673
489445.308	539630.155	274702.936		395407.101	450180.357	531055.577	474608.031
34175.79	39309.54	25834.14		30881.31	34320.09	37868.76	34134.72
106.799343	106.819402	80.731687		91.90866	107.250281	107.581704	106.671
35520	40848	35520	39072	37296	35520	39072	35520
111	111	111	111	111	111	111	111
24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432
35.740978	36.104711	37.350821		36.470236	36.306842	36.911773	36.940623
35.434779	35.716065	36.878279		36.026674	35.975026	36.533795	36.51856
868597.125	958768.762	487298.511		702771.947	798846.978	953260.524	853762.518
1442744.91	1483010.23	853950.251		934677.183	1075310.2	1856543.41	1514372.5
574147.785	524241.473	366651.74		231905.236	276463.222	903282.883	660609.984
1442744.91	1483010.23	853950.251		934677.183	1075310.2	1856543.41	1514372.5
307.89	354.14	232.74		278.21	309.19	341.16	307.52
468.924662	3006.33579	17501.8041		33432.8362	670.718356	2017.6703	6175.78763
664.079558	4628.22103	63610.7229		61465.4254	945.513939	4349.19718	12585.0287
3.114563	6.857146	6.812562		13.857168	2.480288	4.234862	7.703343
13.738346	87.178255	513.208126		975.661696	19.56884	57.811397	176.362201
31.898533	30.700588	15.215052		29.087763	33.481544	34.860746	33.563927
31.897346	30.697296	15.209783		29.076375	33.480671	34.85955	33.560756
24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432
76.579162	73.121782	41.581725		58.356625	69.828468	74.569534	73.291975
435814.779	371724.612	289011.844		120150.455	149227.755	754628.275	527756.335
435814.779	371724.612	289011.844		120150.455	149227.755	754628.275	527756.335
24491.5937	26821.6377	12792.9439		18632.1643	22325.5412	26190.6646	23277.0698
861577.18	946698.686	464861.006		662698.351	791356.02	943828.113	839165.05
0.32	1.62	3.48		17.11	0.83	2.3	5.53
-574147.79	-524241.47	-366651.74		-231905.24	-276463.22	-903282.88	-660609.98
-574811.86	-528869.69	-430262.46		-293370.66	-277408.74	-907632.08	-673195.01

210.01	253.05	186.29		201.83	263.57	254.27	224.34
		0.25	1	0.142857			
94925.1727	102907.941	57800.6199		71476.023	95262.5986	104566.59	89853.9599
0.73	1.01	0.55		0.74	0.76	0.81	0.92
6551.02	9063.74	4935.7		6640.76	6820.24	7414.74	8421.68
1006930.13	1111285.62	564938.407		814526.728	926082.445	1101915.13	986616.166
1006930.13	1111285.62	564938.407		814526.728	926082.445	1101915.13	986616.166
820141.987	903690.946	459609.291		662601.804	753816.6	900173.435	804531.866
24505.332	26908.816	13306.152		19607.826	22345.11	26248.476	23453.432
6551.02	9063.74	4935.7		6640.76	6820.24	7414.74	8421.68
1006930.13	1111285.62	564938.407		814526.728	926082.445	1101915.13	986616.166
41904.1177	46014.0754	22753.5199		33529.3825	38210.1381	45672.3482	40808.9717
0.71	3.16	4.41		13.64	1.28	2.25	4.44
0.15	0.15	0.75	0.15			0.45	0.6
0.000968	0.002663	0.017093	0.000085			0.015597	0.004312
0.000968	0.002663	0.017093	0.000085			0.014573	0.004312
44.929563	118.371571	334.939892	22.102579			27.649331	261.108753
0.129834	0.371888	1.209564	0.095532			0.085343	0.804597
0.93	2.94	16.41	0.09			15.39	4.14
0.034406	0.025923	0.025937	0.026107	0.033273	0.035937	0.025312	0.021093
13.95	44.1	246.15	1.35			230.85	62.1
311.684527	985.325279	5499.72376	30.163018			5261.03374	1415.24884
0.237026	0.237026	1.185133	0.237026			0.725302	0.967069
18.967815	59.962769	334.690154	1.835595			320.165865	86.12649
926.97	1075.38	935.1	1028.43	974.46	925.5	1029.27	939.75
2.896781	2.922228	2.922187	2.921676	2.900178	2.892187	2.924062	2.936718
960	1104	960	1056	1008	960	1056	960
3	3	3	3	3	3	3	3
0.93	2.94	16.41	0.09			15.39	4.14
3.555401	3.555401	17.777007	3.555401			10.879531	14.506041
3.555401	3.555401	17.777007	3.555401			10.879531	14.506041
330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533
413.87122	1349.31181	11882.3861	32.485889			7213.04635	1829.08217
83.218877	304.023758	6047.97216	0.487275			1631.84675	327.706841
413.87122	1349.31181	11882.3861	32.485889			7213.04635	1829.08217
0.31	0.98	5.47	0.03			5.13	1.38
285.722779	926.916478	5499.47402	9.896034			5553.55027	1240.26658
361.184929	1187.91914	11462.6506	10.06278			7166.64214	1505.74168
0.027711	0.029966	0.149262	0.027833			0.089946	0.12
0.80363	2.607065	15.46794	0.027833			15.313757	3.42
355.540153	355.540153	355.540153	355.540153			362.651046	
3.555401	3.555401	3.555401	3.555401			3.62651	
0.93	2.94	16.41	0.09			15.39	4.14
0.002906	0.007989	0.051281	0.000255			0.043721	0.012937
83.218877	304.023758	6047.97216	0.487275			1631.84675	327.706841
83.218877	304.023758	6047.97216	0.487275			1631.84675	327.706841

0.126369	0.332934	0.942059	0.062166			0.076242	0.72
44.929563	118.371571	334.939892	22.102579			27.649331	261.108753
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107.8691	311.6814	1394.0148	6.8769			1627.2928	433.1309
0.1	0.22	0.84	0.02			0.44	0.46
330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533
330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533
330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533
0.93	2.94	16.41	0.09			15.39	4.14
330.652342	1045.28805	5834.41391	31.998613			5581.1996	1501.37533
11.349247	11.483739	12.247507	11.542033	11.63961	11.593847	11.520033	11.547381
0.798204	0.762362	0.520083	0.72437	0.713598	0.71919	0.754062	0.740458
0.770441	0.724603	0.468638	0.689838	0.679115	0.620856	0.718705	0.702991
292614.493	318026.74	187674.308	291678.361	274460.826	238091.38	309090.11	275044.053
921.125173	1067.88332	752.499547	1186.15244	1030.78557	748.362867	981.980088	911.528874
10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16
0.036187	0.049701	0.055812	0.048238	0.048541	0.044031	0.048238	0.052
119340.159	129768.717	76865.5249	118981.966	112062.889	97211.0742	123275.801	109802.367
149059.734	161995.742	95633.9068	148696.621	139818.613	121258.472	160281.975	142518.241
2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.4074	2.4074
131787.338	143303.594	84882.5991	131391.785	123751.048	107350.189	136515.623	121595.141
13262.06	15037.53	12347.02	14405.86	13746.67	11864.56	14405.86	13044.48
41.443937	40.862853	38.584437	40.925738	40.912708	37.07675	40.925738	40.764
13760	15824	13760	15136	14448	13760	15136	13760
43	43	43	43	43	43	43	43
10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16
28.254531	28.658989	30.904144	28.7718	28.996465	28.932659	29.367724	29.564464
27.83153	28.150998	29.954553	28.282282	28.512212	28.410233	28.865883	28.930777
296609.449	323175.795	192379.478	296250.366	278544.559	241731.228	313708.283	279933.883
585049.492	593115.488	395632.312	463240.048	438439.23	390274.598	713259.053	594795.255
288440.043	269939.694	203252.834	166989.682	159894.671	148543.369	399550.771	314861.372
585049.492	593115.488	395632.312	463240.048	438439.23	390274.598	713259.053	594795.255
308.42	349.4	287.14	335.02	319.29	275.92	335.02	303.36
35.18422	33.609944	12.166521	30.424303	30.947835	30.634058	27.256162	41.869123
8.09237	7.394187	5.83993	28.294601	13.926526	5.820471	5.451232	8.792515
10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16
33.129	31.157961	20.151468	29.663068	29.201964	26.696843	30.904346	30.228625
226060.942	202109.585	163075.224	104797.808	101319.399	97731.141	335114.509	257467.675
226060.942	202109.585	163075.224	104797.808	101319.399	97731.141	335114.509	257467.675

10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16
292614.493	318026.74	187674.308	291678.361	274460.826	238091.38	309090.11	275044.053
-288440.04	-269939.69	-203252.83	-166989.68	-159894.67	-148543.37	-399550.77	-314861.37
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2.03	2.23	13.48	40.27	7.15	2.44	2.32	1.96
		0.049999			0.099999		
94647.3369	100667.805	67703.2224	79642.0932	82378.1683	83286.7865	101573.18	87747.8679
0.9	1.16	1.06	1.03	0.92	0.82	1.02	1.08
3994.956	5149.0544	4705.1704	4572.0052	4083.7328	3639.8488	4618.1724	4889.8296
358988.55	391005.903	232557.088	358442.239	337119.831	292543.457	378144.544	337327.58
358988.55	391005.903	232557.088	358442.239	337119.831	292543.457	378144.544	337327.58
280847.072	305299.336	180516.506	280088.407	263569.662	228608.661	296797.597	264113.382
10601.28	11466.13	6448.47	10441.4	9811.86	8542.99	10878.33	9673.16
3994.956	5149.0544	4705.1704	4572.0052	4083.7328	3639.8488	4618.1724	4889.8296
358988.55	391005.903	232557.088	358442.239	337119.831	292543.457	378144.544	337327.58
11767.4208	12727.4043	7157.8017	11589.954	10891.1646	9482.7189	12292.5129	10930.6708
0.15	0.15	0.75	0.15			0.45	0.6
0.000968	0.002548	0.017073	0.000098			0.015818	0.004144
0.000968	0.002146	0.016125	0.000085			0.014772	0.004062
11.761735	117.32825	305.056427	21.332409			5.641328	184.952033
0.033131	0.368607	1.08576	0.0921			0.017091	0.577013
0.93	2.37	15.48	0.09			15.6	3.9
0.04175	0.021195	0.029062	0.027698	0.025029	0.032593	0.025767	0.028093
13.95	35.55	232.2	1.35			234	58.5
311.684527	794.292827	5188.03923	30.163018			5332.82172	1333.20543
0.237026	0.237026	1.185133	0.237026			0.725302	0.967069
18.967815	48.337334	315.72234	1.835595			324.5346	81.13365
919.92	1080.6	932.1	1026.75	982.77	928.71	1028.79	933.03
2.87475	2.936413	2.912812	2.916903	2.92491	2.902218	2.922698	2.915718
960	1104	960	1056	1008	960	1056	960
3	3	3	3	3	3	3	3
0.93	2.37	15.48	0.09			15.6	3.9
3.555401	3.555401	17.777007	3.555401			10.879531	14.506041
3.555401	3.555401	17.777007	3.555401			10.879531	14.506041
330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908
413.87122	1087.20774	11016.997	32.485889			7256.09052	1730.91991
83.218877	244.577581	5513.23548	0.487275			1598.7342	316.58083
413.87122	1087.20774	11016.997	32.485889			7256.09052	1730.91991
0.31	0.79	5.16	0.03			5.2	1.3
318.890606	725.301912	5198.70514	10.666204			5651.71499	1229.38705
401.078141	927.095174	10634.2359	10.845928			7246.45981	1494.38827
0.029897	0.03	0.149219	0.03			0.08995	0.12
0.896918	2.04	14.621991	0.03			15.584444	3.39
355.540153		355.540153				362.651046	372.691097
3.555401		7.110803				3.62651	3.72691

0.93	2.37	15.48	0.09			15.6	3.9
0.002906	0.00644	0.048375	0.000255			0.044318	0.012187
83.218877	244.577581	5513.23548	0.487275			1598.7342	316.58083
83.218877	244.577581	5513.23548	0.487275			1598.7342	316.58083
0.033081	0.33	0.858008	0.06			0.015555	0.51
11.761735	117.32825	305.056427	21.332409			5.641328	184.952033
							0.01
-83.218877	-244.57758	-5513.2355	-0.487275			-1598.7342	-316.58083
-484.29702	-1171.6728	-16147.471	-11.333203			-8845.194	-1810.9691
							0.01
107.8691	254.0959	1312.4708	6.8769			1649.058	406.8692
0.1	0.18	0.83	0.02			0.43	0.42
330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908
330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908
330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908
0.93	2.37	15.48	0.09			15.6	3.9
330.652342	842.630162	5503.76157	31.998613			5657.35632	1414.33908

9.543461	6.841618	3.14833	4.396918	3.534994	2.839429	5.262101	6.97883
0.186934	0.152731	0.103529	0.084383	0.054259	0.050381	0.130381	0.130098
0.181643	0.146461	0.10125	0.082909	0.052934	0.047225	0.12684	0.127118
128454.818	77921.6327	29063.3198	84675.6608	17262.2835	27010.4353	58788.5937	38739.2629
373.071583	239.973312	112.811789	337.884527	64.726571	82.181921	181.945845	125.315194
2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9
0.029687	0.028736	0.039906	0.029446	0.028184	0.029984	0.031463	0.029718
41868.7	38817.3	23492.4	20971.2	12750.5	10842.4	32219.6	29373.1
208439.716	192870.397	113783.837	111684.032	79953.1367	73634.6016	204854.334	189364.187
3.260489	2.336822	1.069028	1.606817	1.481461	1.342828	2.003293	2.668986
25760.8543	15693.2459	5968.77767	15901.3558	2731.76519	3847.67416	9235.32577	5966.56748
15528.3	17932	15299.7	17124.5	16313.3	15457.1	17018.5	15551.8
48.525937	48.72826	47.811562	48.649147	48.551488	48.303437	48.348011	48.599375
16000	18400	16000	17600	16800	16000	17600	16000
50	50	50	50	50	50	50	50
2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9
82.546817	63.413402	28.481025	37.192884	32.454422	33.099278	51.982752	67.406649
46.987594	33.464204	15.478726	22.905423	21.071746	19.20431	28.775385	38.265565
209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976
334345.343	307942.862	394958.169	170653.715	115458.222	97033.0284	412283.926	327938.457
124918.795	114403.78	280741.358	58565.8556	35282.6492	23107.3779	206583.887	137991.481
334345.343	307942.862	394958.169	170653.715	115458.222	97033.0284	412283.926	327938.457
290.6	258.21	133.2	128.66	92.68	84.43	233.44	272.36
80971.7297	115617.45	85153.4914	27412.1985	62913.2892	46915.2152	146911.445	151207.713
123814.495	185695.045	299744.579	41412.5641	90744.6617	61889.0732	303790.135	254001.607
9.334751	8.625537	4.83714	3.374696	5.182198	3.606287	7.558797	10.143408
1096.24223	1590.00448	1201.28505	339.840291	696.132837	483.721164	1581.08865	1613.82286
84.101785	81.597777	90.291228	83.220632	92.320535	105.453811	89.864414	93.054883
55.347609	39.118168	17.123523	25.773111	20.25517	21.028043	31.349993	42.66876

2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9
9.082187	7.323097	5.0625	4.145454	2.646726	2.36125	6.342045	6.355937
124918.795	114403.78	280741.358	58565.8556	35282.6492	23107.3779	206583.887	137991.481
124918.795	114403.78	280741.358	58565.8556	35282.6492	23107.3779	206583.887	137991.481
1810.05777	1104.89552	418.71495	1119.35971	193.167162	271.878835	651.311346	420.077137
128454.818	77921.6327	29063.3198	84675.6608	17262.2835	27010.4353	58788.5937	38739.2629
31.48	34.64	20.66	13.62	12.54	9.9	28.56	29.97
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-248733.29	-300098.83	-580485.94	-99978.42	-126027.31	-84996.451	-510374.02	-391993.09
16.19	8.9	3.07	10.08	1.41	1.91	4.42	2.79
34445.8504	29455.5807	15663.7613	12430.4183	7955.06	8236.5682	25365.2574	22457.2932
0.71	0.28	0.12	0.26	0.16	0.27	0.6	0.25
487.087	207.802	89.058	174.211	95.309	179.289	430.325	196.434
209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976
209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976
208439.716	192870.397	113783.837	111684.032	79953.1367	73634.6016	204854.334	189364.187
2906.3	2694.9	1620	1459.2	889.3	755.6	2232.4	2033.9
487.087	207.802	89.058	174.211	95.309	179.289	430.325	196.434
209426.548	193539.082	114216.811	112087.859	80175.5727	73925.6506	205700.039	189946.976
499.745	460.882999	343.915999	229.616	127.127	111.76	415.38	386.355
						0.02	0.07
0.15	0.15	0.75	0.15			0.45	0.6
0.000968	0.002663	0.017093	0.000095			0.015539	0.004326
0.000968	0.002663	0.017093	0.000085			0.015539	0.00425
14.221606	148.688778	376.821179	9.298219				333.638962
0.040032	0.465143	1.339575	0.040026				1.030364
1.24	3.92	21.88	0.12			21.88	5.44
0.043812	0.032608	0.022937	0.025909	0.036696	0.030437	0.033664	0.030343
18.6	58.8	328.2	1.8			328.2	81.6
415.579369	1313.76704	7332.96501	40.217358			7479.62431	1859.65065
0.237026	0.237026	1.185133	0.237026			0.725302	0.967069
25.29042	79.95036	446.253539	2.44746			455.18058	113.17104
1223.92	1424	1250.64	1371.52	1294.68	1241.04	1360.6	1241.16
3.82475	3.869565	3.90825	3.896363	3.853214	3.87825	3.86534	3.878625
1280	1472	1280	1408	1344	1280	1408	1280
4	4	4	4	4	4	4	4
1.24	3.92	21.88	0.12			21.88	5.44
3.555401	3.555401	17.777007	3.555401			10.879531	14.506041
3.555401	3.555401	17.777007	3.555401			10.879531	14.506041
440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169
551.828293	1799.08241	15843.1814	43.314519			10193.8408	2408.89364
110.958503	405.365011	8063.96288	0.6497			2259.03591	436.071952
551.828293	1799.08241	15843.1814	43.314519			10193.8408	2408.89364
0.31	0.98	5.47	0.03			5.47	1.36
426.648183	1245.02862	7402.39737	33.366598			7934.80489	1639.18273
536.61059	1595.32538	15369.1275	33.963151			10193.8408	1992.67028

0.04	0.039346	0.199042	0.031282			0.12	0.16
1.2	3.501794	20.820144	0.093847			21.88	4.52
380.700898	465.677653	428.048999	355.540153				421.374522
3.807008	4.656776	17.121959	3.555401				12.641235
1.24	3.92	21.88	0.12			21.88	5.44
0.003875	0.010652	0.068375	0.00034			0.062159	0.017
110.958503	405.365011	8063.96288	0.6497			2259.03591	436.071952
110.958503	405.365011	8063.96288	0.6497			2259.03591	436.071952
0.04	0.418205	1.059855	0.026152				0.92
14.221606	148.688778	376.821179	9.298219				333.638962
0.29	0.89	5.21	0.03			5.43	1.12
-110.9585	-405.36501	-8063.9629	-0.6497			-2259.0359	-436.07195
-647.56909	-2000.6904	-23433.09	-34.612852			-12452.877	-2428.7422
0.01	0.09	0.24					0.22
107.8691	311.6814	1394.0148	6.8769			1732.5895	426.2943
0.1	0.22	0.84	0.02			0.46	0.45
440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169
440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169
440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169
1.24	3.92	21.88	0.12			21.88	5.44
440.869789	1393.7174	7779.21855	42.664818			7934.80489	1972.82169

10.313657	10.431097	10.958877	10.482198	10.559681	10.535894	10.429225	10.437831
0.622913	0.579972	0.36089	0.527647	0.525811	0.542914	0.59054	0.589313
0.589374	0.546719	0.340111	0.494233	0.50048	0.519989	0.561774	0.557388
356068.294	380744.032	212388.233	331019.419	319639.611	316156.43	381834.763	344729.028
1110.56764	1267.15538	847.516597	1343.79987	1199.0624	996.184073	1213.28081	1140.98866
11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158
0.057468	0.062826	0.064375	0.063636	0.051398	0.047625	0.051875	0.057843
112501.915	120362.518	67314.051	104611.174	101127.061	99900.0748	118098.828	106627.005
140569.393	150207.231	83579.4152	130681.322	125976.287	124831.865	153241.556	138346.621
3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.1787	3.1787
209309.813	223934.464	125237.792	194629.089	188146.897	185864.089	221872.268	200320.155
17674.346	20209.968	17544.84	19314.56	18677.578	17858.936	19557.164	17667.314
55.232331	54.918391	54.827625	54.870909	55.588029	55.809175	55.560125	55.210356
18752	21564.8	18752	20627.2	19689.6	18752	20627.2	18752
58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6
11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158
35.222662	36.183858	40.774803	36.541298	38.007547	37.340035	37.887617	37.041122
32.64122	33.009015	34.655079	33.1634	33.406516	33.333169	33.734819	33.760656
378016.392	405108.435	235947.731	356390.615	345415.487	340118.115	412026.49	368143.02
689425.446	692562.956	535595.096	515299.302	506656.691	508471.304	866637.043	738396.374
311409.053	287454.521	299647.365	158908.687	161241.204	168353.189	454610.553	370253.354
689425.446	692562.956	535595.096	515299.302	506656.691	508471.304	866637.043	738396.374
301.61	344.88	299.4	329.6	318.73	304.76	333.74	301.49
		0.529821		1.962361			
		0.795153		2.388493			

		0.015059		0.054141			
		0.015059		0.054141			
33.459485	33.16351	14.265535	29.490419	31.56577	35.887277	36.945076	35.961172
26.098398	28.520618	13.409603	29.490419	31.249485	29.427567	29.556061	28.049714
11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158
34.537318	32.037739	19.930556	28.96209	29.328172	30.471406	32.91996	32.662993
252604.302	224541.033	264462.311	104228.427	108382.089	116135.42	392880.296	314519.419
252604.302	224541.033	264462.311	104228.427	108382.089	116135.42	392880.296	314519.419
11051.942	11789.888	6377.76294	10194.656	9854.21186	9750.85	11587.826	10452.158
356068.294	380744.032	212388.233	331019.419	319639.611	316156.43	381834.763	344729.028
		0.01		0.01			
-311409.05	-287454.52	-299647.37	-158908.69	-161241.2	-168353.19	-454610.55	-370253.35
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12.38	15.42	66.64	249.5	54.2	15.55	14.24	15.99
87371.1615	93395.4797	68306.1499	73362.6595	75973.0197	87272.4335	94387.9878	82765.2102
1.09	1.21	1.17	1.26	1.28	1.19	1.47	1.14
21948.0983	24364.4027	23558.9679	25371.1962	25773.9136	23961.6853	30191.7273	23413.9926
436821.143	468021.923	271132.785	411070.876	398274.602	392335.884	473756.748	423876.956
436821.143	468021.923	271132.785	411070.876	398274.602	392335.884	473756.748	423876.956
349879.206	374141.695	208817.207	325310.411	314123.184	310695.954	375113.824	338666.776
11051.942	11789.888	6377.778	10194.656	9854.266	9750.85	11587.826	10452.158
21948.0983	24364.4027	23558.9679	25371.1962	25773.9136	23961.6853	30191.7273	23413.9926
436821.143	468021.923	271132.785	411070.876	398274.602	392335.884	473756.748	423876.956
6189.08752	6602.33728	3571.55568	5709.00736	5518.38896	5460.476	6720.93908	6062.25164
				0.01			
7.35	6.15	2.55	3.75	2.85	2.4	4.65	6.3
0.173834	0.142674	0.099115	0.075921	0.048639	0.045969	0.121725	0.124723
0.169406	0.136005	0.095218	0.07392	0.047886	0.045687	0.120056	0.11975
24615.1368	14058.5554	6073.80193	15214.6463	2906.90835	4613.70458	9608.69403	6813.91902
70.582446	43.179618	23.30438	60.032859	10.906486	13.974132	29.665534	22.015615
758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48
0.026406	0.034673	0.0405	0.033409	0.032083	0.021468	0.021704	0.031093
11384.1	10510.5	6398.7	5464.2	3378.9	3070.2	8874.6	8047.2
56713.8613	52301.3001	31027.8968	29171.5877	21357.4027	20862.5253	56577.278	51958.1821
2.412345	1.99623	0.822707	1.303679	1.1434	1.078559	1.699388	2.313516
4943.39164	2820.43149	1245.63837	2855.3504	468.7426	647.583742	1507.24315	1025.438
4361.7	4973.36	4298.56	4763.36	4553.08	4383.82	4821.04	4340.7
13.630312	13.514565	13.433	13.532272	13.550833	13.699437	13.696136	13.564687
4480	5152	4480	4928	4704	4480	4928	4480
14	14	14	14	14	14	14	14
758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48
36.636229	30.169986	12.429513	19.681124	17.478378	16.315698	25.870986	35.182826
36.636229	30.169986	12.429513	19.681124	17.478378	16.315698	25.870986	35.182826
57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821
89458.9409	81559.4258	108828.821	44387.8708	30563.1519	27076.095	113184.312	87954.2866

32440.5796	29111.1257	77706.4246	15132.2831	9111.24927	6140.06977	56292.034	35817.6045
89458.9409	81559.4258	108828.821	44387.8708	30563.1519	27076.095	113184.312	87954.2866
148.32	138.34	76.62	73.24	52.9	52.94	102.88	126.38
32403.2244	38389.7447	25048.5949	14040.9414	18544.9943	16322.3207	47283.5839	45322.7631
49777.2202	59334.8859	90109.4415	20693.8372	26505.441	21220.3884	96770.9862	74938.6298
6.114198	5.349866	2.309198	2.781121	2.469102	2.132158	4.210929	5.62015
429.380557	512.671233	343.537442	173.923306	194.010493	161.50775	491.157123	468.117466
80.849807	76.856641	81.131625	80.806161	94.977052	107.077443	90.531827	96.590177
39.527054	31.445993	13.792376	20.20154	16.961602	14.990842	26.180494	30.908856
758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48
2.371687	1.904076	1.333062	1.034886	0.670416	0.639625	1.680795	1.6765
32440.5796	29111.1257	77706.4246	15132.2831	9111.24927	6140.06977	56292.034	35817.6045
32440.5796	29111.1257	77706.4246	15132.2831	9111.24927	6140.06977	56292.034	35817.6045
329.559442	188.028766	83.042557	190.356693	31.249506	43.172249	100.482876	68.362533
24615.1368	14058.5554	6073.80193	15214.6463	2906.90835	4613.70458	9608.69403	6813.91902
10.37	12.18	3.57	5.47	5.44	4.81	8.23	8.48
-32440.58	-29111.126	-77706.425	-15132.283	-9111.2493	-6140.0698	-56292.034	-35817.604
-82217.8	-88446.012	-167815.87	-35826.12	-35616.69	-27360.458	-153063.02	-110756.23
5.55	3.46	0.89	2.95	0.79	0.96	1.77	0.93
18262.6626	15593.5674	7842.6623	6446.4318	4295.7644	4728.798	13405.0865	11735.1284
0.29	0.14	0.09	0.08	0.09	0.07	0.3	0.17
304.5	147	94.5	84	94.5	73.5	315	178.5
57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821
57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821
56713.8613	52301.3001	31027.8968	29171.5877	21357.4027	20862.5253	56577.278	51958.1821
758.94	700.7	426.58	364.28	225.26	204.68	591.64	536.48
304.5	147	94.5	84	94.5	73.5	315	178.5
57018.3613	52448.3001	31122.3968	29255.5877	21451.9027	20936.0253	56892.278	52136.6821
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10.955825	11.043611	11.551682	11.094214	11.112064	11.065084	11.044704	11.051464
0.48792	0.453305	0.297815	0.29763	0.376096	0.38938	0.448887	0.443382
0.469931	0.435473	0.262872	0.199372	0.346678	0.371741	0.43334	0.426125
1945940.15	1979191.22	978055.983	913231.401	1350004.92	1504287.84	1928872.38	1693268.91
6022.60535	6552.37034	3862.79887	3697.07802	5040.65962	4726.96585	6112.59157	5591.31616
55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81
0.035818	0.034182	0.038085	0.033613	0.034761	0.032872	0.032409	0.034647
600471.788	641037.978	348882.942	281153.654	465471.474	473940.948	609615.778	545079.773
1139150.09	1176157.31	679259.406	583053.037	771811.089	776830.478	1254704.32	1104083.51
3.18033	3.131716	3.063857	2.972054	3.048899	3.086266	3.272042	3.276459
830753.04	907532.534	488171.88	326068.555	707305.046	743394.635	892574.364	797539.857
78478.4644	59317.3985	19961.5726	49601.3199	13379.0009	20812.0425	41339.4989	31834.8572
113142.181	129865.818	103339.6	86537.56	113595.428	112074.946	124644.524	112796.844
353.569315	352.896244	322.93625	245.84534	338.08163	350.234206	354.103761	352.490137
117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81

273.428878	240.214169	233.553888	163.219963	179.390913	174.566752	257.051044	301.178611
36.642867	36.274783	36.852611	34.334784	35.333534	35.605483	37.788453	37.845349
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1546386.92	1434138.32	1651029.9	510692.716	675170.985	686158.77	2349887.5	1755611.62
3657940.59	3669400.42	2908473.78	1497160.59	2262353.75	2312854.28	4644629.1	3787752.53
1569.17	1633.56	1141.3	993.92	1163.26	1117.47	1607.16	1534.83
133119.449	217493.689	246188.057	43293.2752	200679.433	87985.8938	323644.573	302146.496
202773.256	348928.987	797354.315	65059.3537	306136.698	118357.934	627702.15	507270.843
3.40948	3.79315	2.747829	1.22634	6.259572	2.636958	3.383317	4.691418
1844.23549	3122.37127	3394.04001	540.649772	3158.00501	1002.49111	3336.74107	3520.20842
50.877767	43.862473	25.662647	39.827683	36.872194	39.378254	45.702898	48.88696
50.809569	43.829388	25.650689	39.821703	36.812849	39.360474	45.637738	48.84551
55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81
172.511731	159.862402	96.500531	73.189818	127.26575	136.466406	159.079267	156.430656
1286870.06	1150877.86	1498027.34	393820.582	451981.818	455893.305	2075066.37	1509630.34
1286870.06	1150877.86	1498027.34	393820.582	451981.818	455893.305	2075066.37	1509630.34
53359.5185	55706.9927	27486.13	25222.1662	39603.287	42666.7589	52659.1609	46537.6016
1945940.15	1979191.22	978055.983	913231.401	1350004.92	1504287.84	1928872.38	1693268.91
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269.85	302.08	274.24	327.11	271.26	295.25	290.97	254.29
		0.027272	0.090909	0.012987	0.00909		
361039.203	371330.577	234148.202	186079.066	253030.123	290273.67	369489.161	316719.156
4.69	5.11	5.86	3.34	3.71	3.43	6.13	5.35
33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999
2371070.54	2518522.56	1410446.44	1103340.01	1810371.93	1856960.97	2569562.72	2278122.19
2371070.54	2518522.56	1410446.44	1103340.01	1810371.93	1856960.97	2569562.72	2278122.19
1969903.13	2083689.84	1167431.29	909121.592	1479116.14	1520225.11	2147278.69	1901623.36
55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81
33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999
2371070.54	2518522.56	1410446.44	1103340.01	1810371.93	1856960.97	2569562.72	2278122.19
108047.53	112319.064	56428.7709	46842.2978	71136.3494	71646.8706	104185.724	93181.9471
0.72	3.16	4.41	0.01	13.65	1.28	2.33	4.82

5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15
1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284
3285.17323	3356.50956	1559.97273	4583.66564	2698.30453	3206.58487	2960.41079	2486.22237
-101755.99	-110201.94	-80525.564	-86833.626	-89627.461	-101579.63	-110878.62	-96661.985
101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849
1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284
269.07	301.44	275.31	330.99	271	294.97	290.37	253.44
245.7019	234.008121	209.210465	206.975159	196.157234	236.992749	218.134861	214.13524
120.8566	116.602426	122.758879	123.507027	102.797624	129.532918	112.169559	108.948409
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-50.854239	-45.827322	-38.473327	-38.223919	-38.109829	-38.927349	-55.363914	-51.792912
-5174964.5	-5042814.4	-3087895.7	-3320258.1	-3417784.6	-3961512.3	-6153657.1	-5017991.1
5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15
6226954.61	6058041.23	3482900.84	4458009.8	4138083.1	4984361.55	7091876.19	5773020.43
101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849
5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15
5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15
5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15

5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15
1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284
3285.17323	3356.50956	1559.97273	4583.66564	2698.30453	3206.58487	2960.41079	2486.22237
-101755.99	-110201.94	-80525.564	-86833.626	-89627.461	-101579.63	-110878.62	-96661.985
101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849
1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284
269.07	301.44	275.31	330.99	271	294.97	290.37	253.44
245.7019	234.008121	209.210465	206.975159	196.157234	236.992749	218.134861	214.13524
120.8566	116.602426	122.758879	123.507027	102.797624	129.532918	112.169559	108.948409
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-50.854239	-45.827322	-38.473327	-38.223919	-38.109829	-38.927349	-55.363914	-51.792912
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5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15
6226954.61	6058041.23	3482900.84	4458009.8	4138083.1	4984361.55	7091876.19	5773020.43
101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849
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180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266
575.364421	691.130741	917.763882	1173.58561	1062.83027	866.554842	1035.49949	1016.88102
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202430.807	209034.545	193842.823	249999.79	244516.084	242152.453	391768.273	343522.856
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12.878094	12.681131	16.265672	18.672703	19.157912	19.523898	20.241488	20.963189
21642.9645	4308.33421	-34501.197	-38348.581	-37877.67	-31931.844	66511.8436	37292.5897

21642.9645	4308.33421	-34501.197	-38348.581	-37877.67	-31931.844	66511.8436	37292.5897
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180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266
-21642.964	-4308.3342	34501.1975	38348.5814	37877.67	31931.8443	-66511.844	-37292.59
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101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849
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180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266
4120.99025	4666.65627	5205.01529	6572.79168	6437.05845	6247.64754	7125.00392	6708.22051
180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266
180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266
4120.99025	4666.65627	5205.01529	6572.79168	6437.05845	6247.64754	7125.00392	6708.22051
202430.807	209034.545	193842.823	249999.79	244516.084	242152.453	391768.273	343522.856
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180787.842	204726.211	228344.021	288348.371	282393.754	274084.297	325256.429	306230.266

174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823
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4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788
227899.584	235130.868	217433.557	280592.441	274691.431	272035.669	440147.928	386063.629
37.319758	31.077297	9.104461	28.649098	27.56699	34.744562	36.302429	24.193167
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4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788
14.493682	14.262841	18.259005	20.964719	21.520646	21.929303	22.741876	23.557055
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4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788
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101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849
174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823
174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823
4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788
174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823
174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823
4637.97839	5248.72566	5842.88188	7379.5814	7230.93709	7017.37724	8005.14041	7538.25788
227899.584	235130.868	217433.557	280592.441	274691.431	272035.669	440147.928	386063.629
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174666.266	197667.008	220042.932	277915.035	272317.091	264274.427	312360.579	294142.823

144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186
454.500398	602.140307	461.616977	426.675593	461.905172	458.811538	522.96783	447.282899
2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556
142778.213	160330.094	83721.9607	75935.5478	91061.4861	112088.093	176863.116	132532.021
2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556

8.787857	9.508563	7.037767	5.809523	7.123465	8.847347	9.116616	8.226392
-1286.4038	-18931.432	-31652.39	-28827.353	-31556.713	-32951.777	12463.5282	-2328.1644
-1286.4038	-18931.432	-31652.39	-28827.353	-31556.713	-32951.777	12463.5282	-2328.1644
2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556
144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186
1286.40383	18931.4318	31652.3899	28827.353	31556.7131	32951.7773	-12463.528	2328.16437
1286.40383	18931.4318	31652.3899	28827.353	31556.7131	32951.7773	-12463.528	2328.16437
101755.992	107579.645	77004.7167	86833.6263	89627.461	101579.633	110878.619	96661.9849
144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186
144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186
2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556
144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186
144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186
2812.11432	3499.1514	2252.0857	2044.95219	2393.48427	2831.15109	3209.04914	2632.44556
142778.213	160330.094	83721.9607	75935.5478	91061.4861	112088.093	176863.116	132532.021
-1286.4038	-18931.432	-31652.39	-28827.353	-31556.713	-32951.777	12463.5282	-2328.1644
144064.617	179261.526	115374.351	104762.901	122618.199	145039.87	164399.588	134860.186

150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001
482.273681	597.503014	799.546645	1220.60223	1000.28966	734.864211	915.885194	647.417331
1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956
85715.8431	93059.5265	80580.0129	134083.774	122352.84	110214.294	180052.412	112000.773
1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956
5.674094	5.766021	7.467366	10.244565	9.5175	8.718841	9.572412	7.143623
-64933.645	-82994.187	-117681.55	-165113.27	-142975.28	-121274.44	-106488.96	-82397.228
-64933.645	-82994.187	-117681.55	-165113.27	-142975.28	-121274.44	-106488.96	-82397.228
1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956
150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001
64933.645	82994.1875	117681.546	165113.268	142975.278	121274.437	106488.957	82397.2279
64933.645	82994.1875	117681.546	165113.268	142975.278	121274.437	106488.957	82397.2279
98818.6924	110201.937	79861.3662	86833.6263	89426.9497	101579.633	109054.151	92708.7264
150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001
150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001
1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956
150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001
150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001
1815.71035	2121.89603	2389.55717	3606.08704	3197.88017	2790.0293	3369.48929	2285.95956
85715.8431	93059.5265	80580.0129	134083.774	122352.84	110214.294	180052.412	112000.773
-64933.645	-82994.187	-117681.55	-165113.27	-142975.28	-121274.44	-106488.96	-82397.228
150649.488	176053.714	198261.558	299197.042	265328.118	231488.731	286541.37	194398.001

650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276
2067.99087	2558.05229	3063.35291	3952.03557	3549.94014	2895.79601	3468.80189	3088.31652
13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835
658824.447	697555.034	575578.354	740611.552	732621.842	736490.509	1188831.73	974119.279
37.319758	31.077297	9.104461	28.649098	27.56699	34.744562	36.302429	24.193167
0.746395	1.553864	1.18358	9.740693	2.205359	1.737228	1.089072	0.725795

13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835
41.833729	42.218558	49.029812	55.691512	57.319523	59.019391	61.672394	59.89026
8656.23355	-60153.425	-186444.51	-229611.8	-210035.32	-178396.82	100273.764	44488.0035
8656.23355	-60153.425	-186444.51	-229611.8	-210035.32	-178396.82	100273.764	44488.0035
13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276
-8656.2336	60153.4247	186444.507	229611.797	210035.321	178396.817	-100273.76	-44488.003
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0.07	0.23	1.55	4.35	0.65	0.18	0.25	0.07
404086.669	438185.455	317917.21	347334.505	358309.333	406318.531	441690.007	382694.681
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276
13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276
13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835
658824.447	697555.034	575578.354	740611.552	732621.842	736490.509	1188831.73	974119.279
8656.23355	-60153.425	-186444.51	-229611.8	-210035.32	-178396.82	100273.764	44488.0035
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276

10.955825	11.043611	11.551682	11.094214	11.112064	11.065084	11.044704	11.051464
0.48792	0.453305	0.297815	0.29763	0.376096	0.38938	0.448887	0.443382
0.469931	0.435473	0.262872	0.199372	0.346678	0.371741	0.43334	0.426125
5174964.55	5042814.44	3087895.69	3320258.1	3417784.63	3961512.33	6153657.08	5017991.15
3648098.42	3752126.46	2135083.99	3021206.45	3012960.56	3442024.39	3955649.46	3377929.47
11375.7694	12466.9322	8486.1245	12232.7792	11288.9043	10829.3467	12541.8042	11165.8551
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3114180.68	3581307.79	3114180.68	3425598.75	3269889.72	3114180.68	3503708.83	3185189.85
0.035818	0.034182	0.038085	0.033613	0.034761	0.032872	0.032409	0.034647
600471.788	641037.978	348882.942	281153.654	465471.474	473940.948	609615.778	545079.773
1139150.09	1176157.31	679259.406	583053.037	771811.089	776830.478	1254704.32	1104083.51
3.18033	3.131716	3.063857	2.972054	3.048899	3.086266	3.272042	3.276459
830753.04	907532.534	488171.88	326068.555	707305.046	743394.635	892574.364	797539.857
78478.4644	59317.3985	19961.5726	49601.3199	13379.0009	20812.0425	41339.4989	31834.8572
113142.181	129865.818	103339.6	86537.56	113595.428	112074.946	124644.524	112796.844
353.569315	352.896244	322.93625	245.84534	338.08163	350.234206	354.103761	352.490137
117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
55203.754	58829.364	30880.17	25762.816	42761.292	43669.25	55995.902	50057.81
273.428878	240.214169	233.553888	163.219963	179.390913	174.566752	257.051044	301.178611
36.642867	36.274783	36.852611	34.334784	35.333534	35.605483	37.788453	37.845349
2111553.68	2235262.1	1257443.88	986467.877	1587182.76	1626695.51	2294741.6	2032140.91
3657940.59	3669400.42	2908473.78	1497160.59	2262353.75	2312854.28	4644629.1	3787752.53
101755.992	110201.937	80525.5635	86833.6263	89627.461	101579.633	110878.619	96661.9849
1546386.92	1434138.32	1651029.9	510692.716	675170.985	686158.77	2349887.5	1755611.62

4316765.04	4366955.45	3484052.14	2237772.15	2994975.59	3049344.78	5833460.82	4761871.81
1569.17	1633.56	1141.3	993.92	1163.26	1117.47	1607.16	1534.83
133119.449	217493.689	246188.057	43293.2752	200679.433	87985.8938	323644.573	302146.496
37.262167	34.26019	29.550966	29.717026	29.68194	30.263499	41.350178	38.840056
1051990.06	1015226.79	395005.15	1137751.7	720298.475	1022849.22	938219.11	755029.284
269.07	301.44	275.31	330.99	271	294.97	290.37	253.44
245.7019	234.008121	209.210465	206.975159	196.157234	236.992749	218.134861	214.13524
7.553537	7.287651	7.672429	8.233801	8.566468	10.794409	7.010597	6.809275
35,010	38,959	37,350	42,008	30,765	40,027	36,511	30,959
202773.256	348928.987	797354.315	65059.3537	306136.698	118357.934	627702.15	507270.843
2.344017	2.60779	1.889132	0.81756	3.651417	1.538225	2.32603	3.22535
1,844	3,122	3,394	541	3,158	1,002	3,337	3,520
50.819913	43.734597	25.567226	39.605548	36.864383	39.314894	45.599809	48.86813
50.751715	43.701513	25.555301	39.599568	36.805277	39.297493	45.534765	48.82668
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-68.758901	-68.375621	-60.651834	-75.787064	-71.923619	-66.923127	-67.484433	-68.798546
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66746.3118	71243.4221	43175.67	44825.5785	58862.647	61552.964	74367.8437	65702.4851
2596108.37	2736899.67	1740078.84	1883454.75	2292662.08	2419175.16	3017430.35	2622900.19
6734102.08	7250137.33	4737490.98	6464775.93	6222538.68	6567931.06	7207204.65	6403081.37
7583318.88	7916435.14	4335141.82	7537468.28	6636700.46	7472422.35	7517721.61	6650839.81
		0.027272	0.090909	0.012987	0.00909		
866881.864	919717.968	632590.975	620247.198	700966.916	798171.833	922057.787	796075.822
4.69	5.11	5.86	3.34	3.71	3.43	6.13	5.35
33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999
11310384	11900353.2	8374545.68	8819420.21	9440703.44	9847541.31	13315486.6	11410934.5
8196203.3	8319045.46	5260364.99	5393821.46	6170813.72	6733360.63	9811777.77	8225744.61
1969903.13	2083689.84	1167431.29	909121.592	1479116.14	1520225.11	2147278.69	1901623.36
68590.5473	74365.7934	46569.71	45366.2283	62020.652	62555.4552	77704.5848	69222.6935
33603.0205	39253.1941	33583.8215	30503.9874	36930.2754	34823.5231	43277.1855	37335.5999
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108047.53	112319.064	56428.7709	46842.2978	71136.3494	71646.8706	104185.724	93181.9471
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276
13386.7933	15536.4294	15689.54	19603.4123	19259.36	18886.2052	21708.6828	19164.8835
658824.447	697555.034	575578.354	740611.552	732621.842	736490.509	1188831.73	974119.279
8656.23355	-60153.425	-186444.51	-229611.8	-210035.32	-178396.82	100273.764	44488.0035
650168.213	757708.459	762022.861	970223.349	942657.162	914887.325	1088557.96	929631.276

2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09	2029-10
3503708.83	3344449.34	3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33
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-3503708.8	-3344449.3	-3503708.8	-3344449.3	-3344449.3	-3662968.3	-3025930.4	-3662968.3
3503708.83	3344449.34	3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33
3503708.83	3344449.34	3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33
3503708.83	3344449.34	3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33
42.534433	38.688433	40.022763	39.708803	50.069453	45.517043	38.374473	38.609943
24.733729	24.733748	24.733786	24.733748	24.733634	24.733653	24.73371	24.733786
42.409745	38.563745	39.898075	39.584115	49.944765	45.392355	38.249785	38.485255
42.505659	38.659659	39.993989	39.680029	50.040679	45.488269	38.345699	38.581169
41.786307	37.940307	39.274637	38.960677	49.321327	44.768917	37.626347	37.861817
42.064456	38.218456	39.552786	39.238826	49.599476	45.047066	37.904496	38.139966
42.486476	38.640476	39.974806	39.660846	50.021496	45.469086	38.326516	38.561986
42.524842	38.678842	40.013172	39.699212	50.059862	45.507452	38.364882	38.600352
22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836
1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
42.22751	38.38151	39.71584	39.40188	49.76253	45.21012	38.06755	38.30302
5.78746	5.185703	4.860083	4.830814	4.848492	4.844304	4.858206	4.982952
32.762538	30.148393	31.010814	30.799065	37.707629	34.672342	29.911792	30.079173
32.762538	30.148393	31.010814	30.799065	37.707629	34.672342	29.911792	30.079173

0.13894		0.27788	0.27788	0.27788		0.55576	
0.003585		0.014292	0.001534	0.001084		0.010253	
0.003585		0.014292	0.001534	0.001084		0.009707	
		14068.2347	472.082205	1101.59866		166.149122	
		58.69034	1.36743	3.204969		0.653444	
28.4		113.2	11.6	8.2		66.4	
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394.5896		1572.8008	161.1704	113.9308		922.561599	
8992.63243		35843.8729	3673.04705	2596.46429		21025.0279	
0.241767		0.483534	0.483534	0.483534		0.967069	
547.256316		2181.31743	223.527227	158.010626		1279.50068	
7713.45	7342.65	7659.675	7296.75	7389.9	8065.575	6525	8055
21.91321	21.853125	21.76044	21.716517	21.99375	21.917323	21.463815	21.888586
7920	7560	7920	7560	7560	8280	6840	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
28.4		113.2	11.6	8.2		66.4	
3.372015		6.747688	6.744031	6.762481		13.564588	
3.372015		6.747688	6.744031	6.762481		13.564588	
9576.52475		38191.882	3911.53828	2775.38472		22431.5118	
13368.9628		63440.2143	4330.54172	3168.28886		35839.8464	
3792.43807		25248.3323	419.00344	392.904138		13408.3346	
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3.51		7.01	6.68	5.11		9.2	
9576.52475		24123.6473	3439.45607	1673.78606		22265.3627	
13368.9628		39135.0032	3804.38886	1928.02579		35651.786	
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28.4		71.510326	10.2	4.96074		65.90727	
		340.078238	349.950171	345.898811		338.852782	
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28.4		113.2	11.6	8.2		66.4	
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3792.43807		25248.3323	419.00344	392.904138		13408.3346	
3792.43807		25248.3323	419.00344	392.904138		13408.3346	
		41.689673	1.4	3.239259		0.492729	
		14068.2347	472.082205	1101.59866		166.149122	
0.22		0.24	0.19	0.12		0.54	
-3792.4381		-25248.332	-419.00344	-392.90414		-13408.335	
-17161.401		-64383.335	-4223.3923	-2320.9299		-49060.121	
		0.08	0.02	0.04		0.01	
411.1744		1349.0724	168.7127	138.8665		854.9578	
		0.02		0.01		0.04	
		20.6636		10.3318		41.3272	
9576.52475		38191.882	3911.53828	2775.38472		22431.5118	
9576.52475		38191.882	3911.53828	2775.38472		22431.5118	
9539.88875		38025.1904	3896.57428	2754.47492		22304.5286	

28.4		113.2	11.6	8.2		66.4	
		20.6636		10.3318		41.3272	
9576.52475		38191.882	3911.53828	2775.38472		22431.5118	
36.636		146.028	14.964	10.578		85.656	
4.7095	4.80369	2.63732	5.27464	6.87587	5.08626	3.10827	4.52112
0.166899	0.196066	0.179296	0.203089	0.295493	0.255095	0.172897	0.189175
0.161818	0.190714	0.175284	0.195892	0.284464	0.245625	0.166019	0.181983
79839.2888	42432.5523	130041.128	126097.499	295610.346	253454.629	63280.435	51936.2508
281.290232	168.942141	541.718371	412.084593	873.24345	795.648484	231.843194	203.09633
3303.68	3716.64	3578.6	3817.56	5543.64	5242.62	2927.26	3884.26
0.032443	0.031815	0.030909	0.030952	0.033422	0.03307	0.028782	0.031032
31117.3619	35007.0322	33706.8334	35957.5976	52215.5452	49380.2378	27571.8619	36585.8449
180537.216	186612.539	163002.782	173878.406	257480.257	243921.711	135079.786	187194.905
2.810066	2.666618	1.345998	2.736639	3.547688	2.653312	1.613265	2.389003
11645.453	6697.22898	22430.1063	21639.4772	50113.9855	42919.7427	10773.3202	8464.89111
19753.64	18867.98	19784.96	18884.8	18836.66	20638.14	17124.5	20681.64
56.118295	56.154702	56.207272	56.204761	56.061488	56.081902	56.330592	56.200108
20416	19488	20416	19488	19488	21344	17632	21344
58	58	58	58	58	58	58	58
3303.68	3716.64	3578.6	3817.56	5543.64	5242.62	2927.26	3884.26
31.101084	29.79371	15.25285	31.052549	40.212594	29.986917	18.223143	27.087189
31.101084	29.79371	15.25285	31.052549	40.212594	29.986917	18.223143	27.087189
210715.458	220498.962	195643.31	208788.37	308128.216	291771.208	161752.701	222723.416
351569.773	321425.588	486232.501	355181.357	538802.812	505413.812	419723.811	348254.677
140854.315	100926.626	290589.191	146392.987	230674.596	213642.604	257971.11	125531.261
351569.773	321425.588	486232.501	355181.357	538802.812	505413.812	419723.811	348254.677
184.11	161.94	103.04	156.47	205.39	172.95	94.63	131.78
130876.169	178066.41	65602.1824	82690.8717	12517.8695	38316.579	98472.266	170787.165
216294.09	257579.251	164747.297	139946.706	18743.4101	65065.0003	267682.728	266521.858
21.601911	26.144684	11.63413	18.449491	7.850433	10.706045	13.51303	23.973673
2067.30108	3005.60603	1197.23189	1520.13169	223.119189	685.900314	1783.47401	2985.5562
64.493232	60.008532	57.132884	57.243592	59.172521	58.409543	56.521326	57.479861
32.202664	27.597726	15.989439	31.957963	43.1827	31.529336	18.060225	25.163794
3303.68	3716.64	3578.6	3817.56	5543.64	5242.62	2927.26	3884.26
9.385454	11.061428	10.166477	11.361785	16.498928	14.24625	9.629144	10.555054
140854.315	100926.626	290589.191	146392.987	230674.596	213642.604	257971.11	125531.261
140854.315	100926.626	290589.191	146392.987	230674.596	213642.604	257971.11	125531.261
1236.37892	711.033971	2381.36811	2297.42831	5320.52081	4556.71969	1143.78599	898.703801
79839.2888	42432.5523	130041.128	126097.499	295610.346	253454.629	63280.435	51936.2508
19.62	26.2	6.18	15	5.58	9.39	10.74	21.52
-140854.31	-100926.63	-290589.19	-146392.99	-230674.6	-213642.6	-257971.11	-125531.26
-357148.4	-358505.88	-455336.49	-286339.69	-249418.01	-278707.6	-525653.84	-392053.12
3.87	2.65	9.67	8.92	24.85	17.62	3.23	2.95
15766.7201	15913.6043	14776.8802	19307.7726	32425.2454	28617.4381	13117.662	16817.0694
0.52	0.45	0.46	0.68	0.89	0.74	0.32	0.71
246.9012	213.6645	218.4126	322.8708	422.5809	351.3594	151.9392	337.1151

210715.458	220498.962	195643.31	208788.37	308128.216	291771.208	161752.701	222723.416
210715.458	220498.962	195643.31	208788.37	308128.216	291771.208	161752.701	222723.416
180537.216	186612.539	163002.782	173878.406	257480.257	243921.711	135079.786	187194.905
3303.68	3716.64	3578.6	3817.56	5543.64	5242.62	2927.26	3884.26
246.9012	213.6645	218.4126	322.8708	422.5809	351.3594	151.9392	337.1151
210715.458	220498.962	195643.31	208788.37	308128.216	291771.208	161752.701	222723.416
29931.3408	33672.7584	32422.116	34587.0936	50225.3784	47498.1372	26520.9756	35191.3956
0.3							0.34
11.015706	11.034611	11.219856	11.038458	10.885666	11.001711	11.230914	11.037254
0.661415	0.648362	0.552946	0.644472	0.716762	0.67081	0.565356	0.640876
0.638384	0.621507	0.266844	0.620825	0.693555	0.648176	0.543639	0.61576
854951.405	700905.876	361531.598	814576.503	928076.058	954453.849	643964.505	832780.758
3144.36965	2858.32984	1517.73903	2944.555	2858.83147	3127.13799	2515.49868	3317.30758
24942.954	23179.728	10426.158	23154.316	25866.85	26476.702	18344.578	25152.576
0.034289	0.04244	0.037869	0.036071	0.034613	0.03288	0.039177	0.03826
271467.564	252490.583	115151.654	252484.084	279383.483	287738.368	202669.011	274417.064
352161.398	327192.363	148775.239	326084.779	361565.615	373120.946	262147.304	355732.75
3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673
506911.383	471475.665	215022.683	471463.53	521692.777	537293.854	378443.845	512418.983
37732.23	35713.14	18874.44	35950.68	36005.07	39504.9	32421.99	39285.12
107.193835	106.289107	53.620568	106.996071	107.157946	107.350271	106.651282	106.753043
39072	37296	39072	37296	37296	40848	33744	40848
111	111	111	111	111	111	111	111
24942.954	23179.728	10426.158	23154.316	25866.85	26476.702	18344.578	25152.576
36.936423	37.095314	37.673697	37.104635	36.524657	36.933781	37.699844	37.090594
36.63631	36.695468	37.286102	36.713829	36.22482	36.588133	37.322598	36.704892
908423.621	846507.035	385417.957	845709.258	934399.892	964448.241	678552.355	920521.975
1322073.61	1116913.97	603033.622	1156330.5	1548062.11	1477480.34	1061545.46	1219864.46
413649.992	270406.939	217615.665	310621.238	613662.215	513032.101	382993.108	299342.486
1322073.61	1116913.97	603033.622	1156330.5	1548062.11	1477480.34	1061545.46	1219864.46
339.93	321.56	170.04	323.88	324.37	355.9	292.09	353.92
47522.1153	138094.879	20407.8392	23260.3159	190.653459	2030.41194	28546.2097	79136.4569
87335.5779	237535.776	57368.8957	38767.4556	274.328374	3610.80989	84117.6893	146610.86
16.085046	28.037568	11.840048	12.257489	2.1587	5.252618	10.261679	17.970846
1353.97932	3938.07477	585.464122	668.095876	5.408716	57.970422	819.189027	2255.35273
29.605665	26.835062	21.446515	27.67212	32.504248	30.888649	19.406175	26.987761
29.589384	26.791074	21.436133	27.657674	32.503841	30.88605	19.396445	26.967744
24942.954	23179.728	10426.158	23154.316	25866.85	26476.702	18344.578	25152.576
70.860664	68.987285	29.619767	68.911654	76.984672	71.947559	60.344006	68.349391
271753.896	138430.111	157425.895	178647.808	467628.469	362631.256	277058.016	155904.687
271753.896	138430.111	157425.895	178647.808	467628.469	362631.256	277058.016	155904.687
23588.9747	19241.6532	9840.69388	22486.2201	25861.4413	26418.7316	17525.389	22897.2233
854951.405	700905.876	361531.598	814576.503	928076.058	954453.849	643964.505	832780.758
18.68	26.55	2.76	6.62	0.12	1.03	5.79	20.85
-413649.99	-270406.94	-217615.66	-310621.24	-613662.22	-513032.1	-382993.11	-299342.49
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237.27	185.92	122.86 0.5	230.3	221.7	256.65	219.08	228.65
89912.2995	76016.0523	38314.7658	87050.791	102210.786	105953.138	73017.454	86086.6965
0.65	0.82	0.38	0.86	0.67	0.87	0.66	0.94
5950.1	7506.28	3478.52	7872.44	6133.18	7963.98	6041.64	8604.76
1050319.72	978483.863	445607.727	977682.689	1080433.64	1114849.09	784487.447	1063959.77
1050319.72	978483.863	445607.727	977682.689	1080433.64	1114849.09	784487.447	1063959.77
859072.781	798668.028	363797.923	797548.309	883258.393	910414.8	640591.149	868151.733
24942.954	23179.728	10426.158	23154.316	25866.85	26476.702	18344.578	25152.576
5950.1	7506.28	3478.52	7872.44	6133.18	7963.98	6041.64	8604.76
1050319.72	978483.863	445607.727	977682.689	1080433.64	1114849.09	784487.447	1063959.77
43400.74	40332.7267	18141.5149	40288.5098	45008.319	46069.4615	31919.5657	43765.4822
21.3	38.19	6.5	14.38	0.38	1.83	9.26	30.12
0.15		0.3	0.3	0.3		0.6	
0.003409		0.015198	0.001177	0.000773		0.009689	
0.003409		0.015198	0.001101	0.000773		0.00819	
		2007.25714	54.397656	97.915782		10.879531	
		8.354986	0.157456	0.292412		0.04493	
3.6		16.05	1.11	0.78		7.47	
0.031448	0.031636	0.024176	0.035476	0.033065	0.032554	0.03523	0.019048
54		240.75	16.65	11.7		112.05	
1230.65117		5486.65312	379.450776	266.641085		2553.60117	
0.241767		0.483534	0.483534	0.483534		0.967069	
74.8926		333.896175	23.091885	16.22673		155.402145	
1022.79	976.11	1030.47	972.24	974.67	1068.06	879.87	1082.97
2.905653	2.905089	2.927471	2.893571	2.900803	2.902336	2.894309	2.942853
1056	1008	1056	1008	1008	1104	912	1104
3	3	3	3	3	3	3	3
3.6		16.05	1.11	0.78		7.47	
3.62651		7.25302	7.25302	7.25302		14.506041	
3.62651		7.25302	7.25302	7.25302		14.506041	
1305.54377		5820.54929	402.542661	282.867815		2709.00331	
1772.21914		9188.11942	429.74944	317.421899		4238.42801	
466.675372		3367.57013	27.206779	34.554083		1529.4247	
1772.21914		9188.11942	429.74944	317.421899		4238.42801	
1.2		5.35	0.37	0.26		2.49	
1305.54377		3813.29215	348.145004	184.952033		2698.12378	
1772.21914		5895.46355	371.872438	209.630731		4225.25078	
0.03		0.059571	0.06	0.06		0.12	
3.6		10.515045	0.96	0.51		7.44	
		362.651046 7.25302					
3.6		16.05	1.11	0.78		7.47	
0.010227		0.045596	0.003303	0.002321		0.024572	
466.675372		3367.57013	27.206779	34.554083		1529.4247	
466.675372		3367.57013	27.206779	34.554083		1529.4247	

		5.534954	0.15	0.27		0.03	
		2007.25714	54.397656	97.915782		10.879531	
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349.6875		1275.1705	106.7858	87.4593		645.0548	
0.38		0.44	0.15	0.12		0.46	
1305.54377		5820.54929	402.542661	282.867815		2709.00331	
1305.54377		5820.54929	402.542661	282.867815		2709.00331	
1305.54377		5820.54929	402.542661	282.867815		2709.00331	
3.6		16.05	1.11	0.78		7.47	
1305.54377		5820.54929	402.542661	282.867815		2709.00331	
11.551771	11.607641	11.946202	11.617576	11.338422	11.502159	11.987847	11.588884
0.730909	0.709597	0.599095	0.716977	0.791897	0.746374	0.602494	0.713804
0.696567	0.673821	0.385777	0.684614	0.757264	0.709632	0.547741	0.685297
300062.439	277949.76	169955.767	282091.852	308352.457	318904.861	208484.289	309675.869
1107.10288	1138.85095	716.133816	1025.35431	953.628049	1048.74474	821.081019	1239.06941
10543.24	9735.38	5839.13	9891.31	10940.96	11229.22	7160.08	10844.15
0.048778	0.052202	0.047357	0.045297	0.044583	0.050217	0.041776	0.041494
119951.242	111042.243	68122.8605	112877.364	123201.497	127331.578	83572.4167	123820.734
155314.573	143980.601	87918.294	145914.278	159555.834	165208.853	107845.304	160302.899
2.4074	2.4074	2.407399	2.4074	2.4074	2.4074	2.4074	2.4074
132834.005	122968.179	75439.2557	125000.393	136433.338	141006.989	92548.0943	137119.081
14397.69	13693.78	9788.09	13793.54	13803.86	15029.36	11872.73	15167.39
40.902528	40.755297	27.807073	41.052202	41.082916	40.840652	39.055032	41.215733
15136	14448	15136	14448	14448	15824	13072	15824
43	43	43	43	43	43	43	43
10543.24	9735.38	5839.13	9891.31	10940.96	11229.22	7160.08	10844.15
29.472477	29.862892	30.695035	29.675088	28.897925	29.413398	30.570917	29.551809
28.952015	29.081717	29.910403	29.121518	28.432586	28.824514	30.015385	29.040677
304861.717	284197.876	173985.348	286710.024	313151.734	324564.386	211653.623	314475.146
522145.519	445091.345	304123.365	464899.323	610399.938	588096.938	395564	497818.404
217283.802	160893.469	130138.017	178189.299	297248.204	263532.553	183910.377	183343.258
522145.519	445091.345	304123.365	464899.323	610399.938	588096.938	395564	497818.404
334.83	318.46	227.63	320.78	321.02	349.32	276.11	352.73
32.05371	31.022074	22.678906	31.329287	31.837924	33.048004	23.859593	26.588797
9.616113	8.065739	22.225328	5.952564	7.322722	7.27056	5.24911	5.317759
10543.24	9735.38	5839.13	9891.31	10940.96	11229.22	7160.08	10844.15
29.952386	28.974345	16.588437	29.438422	32.56238	30.514184	23.552894	29.467798
154585.288	102851.689	94530.1977	119188.301	232850.781	196976.337	140227.075	118622.16
154585.288	102851.689	94530.1977	119188.301	232850.781	196976.337	140227.075	118622.16

10543.24	9735.38	5839.13	9891.31	10940.96	11229.22	7160.08	10844.15
300062.439	277949.76	169955.767	282091.852	308352.457	318904.861	208484.289	309675.869
-217283.8	-160893.47	-130138.02	-178189.3	-297248.2	-263532.55	-183910.38	-183343.26
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3.81	2.38	92.76	1.76	2.45	1.82	2.68	2.06
		0.318181				0.052631	
87446.6068	74134.5037	50707.2388	85866.37	99739.059	102228.881	67266.3405	85393.0039
1.06	1.38	0.89	1.02	1.06	1.25	0.7	1.06
4799.2772	6248.1156	4029.5818	4618.1724	4799.2772	5659.525	3169.334	4799.2772
367560.231	342239.656	209593.168	345711.022	377549.157	391120.601	255336.925	379196.244
367560.231	342239.656	209593.168	345711.022	377549.157	391120.601	255336.925	379196.244
288148.578	266948.781	163357.55	270914.672	295989.172	306215.842	200393.399	297421.98
10543.24	9735.38	5839.13	9891.31	10940.96	11229.22	7160.08	10844.15
4799.2772	6248.1156	4029.5818	4618.1724	4799.2772	5659.525	3169.334	4799.2772
367560.231	342239.656	209593.168	345711.022	377549.157	391120.601	255336.925	379196.244
11913.8612	11000.9794	6598.2169	11177.1803	12363.2848	12689.0186	8090.8904	12253.8895
0.15		0.3	0.3	0.3		0.6	
0.003423		0.01539	0.001113	0.000798		0.009515	
0.003238		0.014119	0.001101	0.000773		0.009243	
		1818.24688	54.397656	84.448521		10.879531	
		7.564794	0.157456	0.252965		0.04493	
3.42		14.91	1.11	0.78		8.43	
0.020056	0.02125	0.027982	0.048065	0.038035	0.019945	0.030197	0.035054
51.3		223.65	16.65	11.7		126.45	
1169.11861		5096.94691	379.450776	266.641085		2881.77481	
0.241767		0.483534	0.483534	0.483534		0.967069	
71.14797		310.180185	23.091885	16.22673		175.373505	
1034.82	986.58	1026.45	959.55	969.66	1081.98	884.46	1065.3
2.939829	2.93625	2.916051	2.855803	2.885892	2.940163	2.909407	2.894836
1056	1008	1056	1008	1008	1104	912	1104
3	3	3	3	3	3	3	3
3.42		14.91	1.11	0.78		8.43	
3.62651		7.25302	7.25302	7.25302		14.506041	
3.62651		7.25302	7.25302	7.25302		14.506041	
1240.26658		5407.1271	402.542661	282.867815		3057.14832	
1687.10361		8568.85858	429.74944	317.421899		4840.17669	
446.837032		3161.73148	27.206779	34.554083		1783.02837	
1687.10361		8568.85858	429.74944	317.421899		4840.17669	
1.14		4.97	0.37	0.26		2.81	
1240.26658		3588.88022	348.145004	198.419294		3046.26879	
1687.10361		5541.7733	371.872438	224.204203		4826.99946	
0.03		0.059607	0.06	0.058094		0.12	
3.42		9.896235	0.96	0.547135		8.4	
		362.651046		362.651046			
		7.25302		3.62651			

3.42		14.91	1.11	0.78		8.43	
0.009715		0.042357	0.003303	0.002321		0.02773	
446.837032		3161.73148	27.206779	34.554083		1783.02837	
446.837032		3161.73148	27.206779	34.554083		1783.02837	
		5.013764	0.15	0.232864		0.03	
		1818.24688	54.397656	84.448521		10.879531	
			0.04			0.01	
-446.83703		-3161.7315	-27.206779	-34.554083		-1783.0284	
-2133.9406		-8703.5048	-399.07922	-258.75829		-6610.0278	
333.847		1184.6601	106.7858	87.4593		722.8897	
0.36		0.41	0.15	0.12		0.46	
1240.26658		5407.1271	402.542661	282.867815		3057.14832	
1240.26658		5407.1271	402.542661	282.867815		3057.14832	
1240.26658		5407.1271	402.542661	282.867815		3057.14832	
3.42		14.91	1.11	0.78		8.43	
1240.26658		5407.1271	402.542661	282.867815		3057.14832	
5.532097	5.536507	3.580473	6.269594	8.710035	6.845893	4.144538	4.694928
0.088759	0.097544	0.127466	0.120515	0.187605	0.167714	0.119668	0.110132
0.085977	0.09425	0.12267	0.116452	0.182172	0.164032	0.117157	0.107532
15775.8697	7543.28948	66989.1967	37411.7636	146060.345	100082.721	14781.8217	11706.9769
54.737456	29.938532	278.836867	116.367535	418.197423	302.768475	52.004404	45.355225
1513.2	1583.4	2159	1956.4	3060.5	3018.2	1780.8	1978.6
0.029119	0.036279	0.027585	0.03	0.027321	0.033478	0.031759	0.027187
21752.4	22697.4	31220.2	28184	44116.9	43545.4	25820.4	28467.8
125487.903	121647.988	151668.714	135786.48	218023.749	215234.63	126159.925	146055.776
2.117288	2.049974	1.200049	2.133504	2.969343	2.350167	1.422852	1.641657
2792.5483	1393.72193	13745.8278	7724.53104	29533.553	20244.3903	3037.06713	2287.54463
17087.8	16152.7	17143	16361.4	16335.6	17809.2	14663.1	17924.5
48.544886	48.073511	48.701704	48.694642	48.617857	48.394565	48.233881	48.70788
17600	16800	17600	16800	16800	18400	15200	18400
50	50	50	50	50	50	50	50
1513.2	1583.4	2159	1956.4	3060.5	3018.2	1780.8	1978.6
50.520324	54.122317	32.849892	57.74843	79.636347	63.403651	37.249808	40.968012
30.123558	29.262639	17.283892	30.766046	42.70136	33.628216	20.455387	23.490496
125859.077	122073.433	152359.595	136477.911	219024.435	215915.896	126629.144	146549.124
204752.332	164262.264	364426.358	222914.801	354252.342	341288.277	311488.703	209850.585
78893.2542	42188.8309	212066.762	86436.8908	135227.906	125372.382	184859.559	63301.4606
204752.332	164262.264	364426.358	222914.801	354252.342	341288.277	311488.703	209850.585
221.83	182.81	155.31	225.43	308.49	266.57	144.75	166.08
110083.208	114530.143	85370.3986	99066.147	72964.0905	115833.175	111847.322	134842.147
178874.72	154028.198	193729.964	161689.06	109787.139	181705.757	279231.249	192029.026
8.381565	8.923044	5.148702	8.4596	8.260238	7.827691	6.254461	7.351309
1316.28787	1484.53406	1199.06336	1413.06872	986.279707	1593.72945	1566.90723	1817.00549
87.573016	78.582208	86.127233	80.899	85.175015	83.902158	78.654513	79.084091
27.138412	23.561288	21.362276	34.696457	51.904462	39.427481	22.769079	20.561863

1513.2	1583.4	2159	1956.4	3060.5	3018.2	1780.8	1978.6
4.298863	4.7125	6.133522	5.822619	9.10863	8.20163	5.857894	5.37663
78893.2542	42188.8309	212066.762	86436.8908	135227.906	125372.382	184859.559	63301.4606
78893.2542	42188.8309	212066.762	86436.8908	135227.906	125372.382	184859.559	63301.4606
196.912129	98.86594	959.936636	543.331283	2074.22029	1424.47055	213.892765	161.594512
15775.8697	7543.28948	66989.1967	37411.7636	146060.345	100082.721	14781.8217	11706.9769
21.97	23.85	23.46	27.07	31.47	39.44	28	31.03
-78893.254	-42188.831	-212066.76	-86436.891	-135227.91	-125372.38	-184859.56	-63301.461
-257767.97	-196217.03	-405796.73	-248125.95	-245015.05	-307078.14	-464090.81	-255330.49
1.54	0.48	9.61	4.47	19.01	11.54	1.42	1.09
14486.2058	13220.9091	18947.3569	20288.6017	37138.5999	34208.2616	17343.6218	17333.4234
0.19	0.28	0.37	0.5	0.61	0.17	0.14	0.26
127.106	197.631	263.375	349.839	454.629	126.308	86.863	163.366
125859.077	122073.433	152359.595	136477.911	219024.435	215915.896	126629.144	146549.124
125859.077	122073.433	152359.595	136477.911	219024.435	215915.896	126629.144	146549.124
125487.903	121647.988	151668.714	135786.48	218023.749	215234.63	126159.925	146055.776
1513.2	1583.4	2159	1956.4	3060.5	3018.2	1780.8	1978.6
127.106	197.631	263.375	349.839	454.629	126.308	86.863	163.366
125859.077	122073.433	152359.595	136477.911	219024.435	215915.896	126629.144	146549.124
244.068	227.814	427.506	341.592	546.057	554.958	382.356	329.982
0.07							
0.15		0.3	0.3	0.3		0.6	
0.003409		0.015198	0.001075	0.000773		0.009598	
0.003409		0.015198	0.000982	0.000773		0.00944	
		2420.56967	72.530209	90.790101		14.506041	
		10.050466	0.209942	0.266331		0.059907	
4.8		21.4	1.32	1.04		11.48	
0.031903	0.023303	0.039545	0.03869	0.032976	0.031059	0.018914	0.01894
72		321	19.8	15.6		172.2	
1640.86822		7315.53749	451.23876	355.521447		3924.40983	
0.241767		0.483534	0.483534	0.483534		0.967069	
99.8568		445.1949	27.46062	21.63564		238.82418	
1363.08	1312.68	1352.32	1292	1299.68	1426.28	1193	1444.12
3.872386	3.906785	3.841818	3.845238	3.868095	3.87576	3.924342	3.924239
1408	1344	1408	1344	1344	1472	1216	1472
4	4	4	4	4	4	4	4
4.8		21.4	1.32	1.04		11.48	
3.62651		7.25302	7.25302	7.25302		14.506041	
3.62651		7.25302	7.25302	7.25302		14.506041	
1740.72502		7760.73239	478.69938	377.157087		4163.23401	
2362.95885		12250.8259	508.652416	423.229199		6558.22449	
622.23383		4490.09351	29.953035	46.072111		2394.99048	
2362.95885		12250.8259	508.652416	423.229199		6558.22449	
1.2		5.35	0.33	0.26		2.87	
1740.72502		5340.16272	406.169171	286.366986		4148.72797	
2362.95885		8269.70447	431.483079	322.132926		6540.65485	

0.04	0.07797	0.08	0.076403	0.16	
4.8	14.725347	1.12	0.789648	11.44	
	568.748719	386.105651	391.52797	439.500114	
	11.374974	3.861056	3.915279	4.395001	
4.8	21.4	1.32	1.04	11.48	
0.013636	0.060795	0.003928	0.003095	0.037763	
622.23383	4490.09351	29.953035	46.072111	2394.99048	
622.23383	4490.09351	29.953035	46.072111	2394.99048	
	6.674652	0.2	0.250351	0.04	
	2420.56967	72.530209	90.790101	14.506041	
1.2	3.78	0.28	0.21	2.84	
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-2985.1927	-12759.798	-461.43612	-368.20504	-8935.6453	
	1.56	0.05	0.04	0.01	
349.6875	1275.1705	96.3787	87.4593	738.8892	
0.38	0.44	0.14	0.12	0.49	
1740.72502	7760.73239	478.69938	377.157087	4163.23401	
1740.72502	7760.73239	478.69938	377.157087	4163.23401	
1740.72502	7760.73239	478.69938	377.157087	4163.23401	
4.8	21.4	1.32	1.04	11.48	
1740.72502	7760.73239	478.69938	377.157087	4163.23401	

10.471203	10.495875	10.76764	10.522793	10.312448	10.466012	10.778759	10.504953
0.544809	0.540878	0.396878	0.527748	0.60865	0.55924	0.422878	0.521186
0.514083	0.511883	0.272282	0.505564	0.574772	0.527724	0.396892	0.488217
350988.85	333704.479	188050.869	329585.806	372414.919	376513.068	237200.842	348941.923
1291.73239	1364.40138	791.409241	1188.21677	1143.34689	1226.74546	926.368988	1395.23737
10604.094	10078.786	5616.43	9954.372	11317.038	11380.282	7070.408	10528.302
0.059715	0.053839	0.071761	0.047083	0.06125	0.05913	0.063684	0.062989
108603.091	103369.096	58405.4556	102256.131	115275.593	116480.724	73661.9721	108116.248
140821.375	133765.545	75070.3522	131704.341	149282.781	151080.167	94731.5812	139754.724
3.1787	3.1787	3.1787	3.1787	3.1787	3.1787	3.178699	3.1787
204032.628	194199.521	109726.329	192108.592	216568.256	218832.337	138388.747	203117.996
19395.428	18629.526	13971.998	18762.548	18483.612	20289.664	16679.904	20206.452
55.100647	55.445017	39.693176	55.840916	55.01075	55.134956	54.868105	54.908836
20627.2	19689.6	20627.2	19689.6	19689.6	21564.8	17814.4	21564.8
58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.599999
10604.094	10078.786	5616.43	9954.372	11317.038	11380.282	7070.408	10528.302
37.997749	37.244751	42.158304	37.341747	36.798246	37.199758	40.822715	37.649334
33.873423	33.949546	34.820168	34.043846	33.367026	33.850418	34.859777	33.979379
380579.947	356403.211	211878.975	351562.761	400347.401	402186.305	262894.402	377527.775
618367.629	520786.983	378277.527	541174.596	708479.048	686667.36	502334.214	556273.764
237787.682	164383.772	166398.551	189611.835	308131.647	284481.055	239439.812	178745.989
618367.629	520786.983	378277.527	541174.596	708479.048	686667.36	502334.214	556273.764
330.98	317.39	238.43	320.18	315.42	346.24	284.64	344.82
15.527262	106.282614	3.341861	0.663236			20.323163	37.212139
15.937617	135.602453	5.34029	0.904416			47.422049	53.626274

0.240577	2.402417	0.094595	0.018791			0.461037	0.935173
0.415068	2.906099	0.094595	0.018791			0.554897	1.019163
34.676044	30.930938	23.183703	30.728411	32.972021	31.603926	22.202362	28.845316
29.104128	25.306203	22.719655	24.582729	26.047896	25.283141	15.097606	23.064356
10604.094	10078.786	5616.43	9954.372	11317.038	11380.282	7070.408	10528.302
30.125267	29.996386	15.955767	29.626107	33.68166	30.924679	23.257921	28.609516
181020.846	110352.745	135870.02	136162.556	247877.095	223596.58	200936.699	122233.626
181020.846	110352.745	135870.02	136162.556	247877.095	223596.58	200936.699	122233.626
10603.6789	10075.8799	5616.3354	9954.35321	11317.038	11380.282	7069.8531	10527.2828
350988.85	333704.479	188050.869	329585.806	372414.919	376513.068	237200.842	348941.923
0.02	0.05		0.01			0.02	0.05
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-237803.62	-164519.37	-166403.89	-189612.74	-308131.65	-284481.05	-239487.23	-178799.62
12.45	17.16	54.53	15.24	12.92	13.57	14.93	17.68
		0.272727					
80345.6638	71042.6125	47261.3075	80654.9389	92005.1545	96033.1852	65948.9692	78143.234
1.44	1.1	1.16	1.07	1.36	1.25	1.25	1.39
29575.5696	22592.449	23824.7644	21976.2913	27932.4824	25673.2375	25673.2375	28548.6401
437346.782	410434.237	242407.507	405012.04	460601.953	463070.78	301397.515	434040.138
437346.782	410434.237	242407.507	405012.04	460601.953	463070.78	301397.515	434040.138
344854.002	327965.066	184796.682	323812.934	365851.037	369912.504	233120.328	342872.72
10604.094	10078.786	5616.43	9954.372	11317.038	11380.282	7070.408	10528.302
29575.5696	22592.449	23824.7644	21976.2913	27932.4824	25673.2375	25673.2375	28548.6401
437346.782	410434.237	242407.507	405012.04	460601.953	463070.78	301397.515	434040.138
6150.37452	5845.69588	3257.5294	5773.53576	6563.88204	6600.56356	4100.83664	6106.41516
0.04	0.17	0.01					0.05
5.25	5.1	3.45	5.85	7.8	6.45	4.05	4.5
0.08123	0.088348	0.118288	0.112901	0.177459	0.159289	0.115196	0.102146
0.076363	0.087619	0.112585	0.10988	0.17363	0.155	0.109309	0.099619
2501.89241	1097.66543	14229.3606	6870.01299	28974.795	18350.088	2304.77914	1682.48012
8.612561	4.301899	59.165209	21.057	81.632004	55.055082	8.009259	6.484998
376.32	412.16	554.82	516.88	816.76	798.56	465.22	513.24
0.039715	0.029523	0.035653	0.028333	0.023363	0.034619	0.039407	0.025869
5644.8	6182.4	8322.3	7753.2	12251.4	11978.4	6978.3	7698.6
32687.3671	33156.7831	40557.1129	37389.6761	60581.9252	59274.5582	34125.1389	39519.8855
1.886896	1.785203	1.103001	1.899775	2.54695	2.103007	1.321867	1.506974
448.822048	201.770668	2881.88913	1414.30209	5851.83059	3692.4892	477.62942	322.482755
4732.28	4565.12	4752.3	4570.72	4594.1	4973.64	4088.28	5018.72
13.443977	13.586666	13.500852	13.603333	13.672916	13.515326	13.448289	13.637826
4928	4704	4928	4704	4704	5152	4256	5152
14	14	14	14	14	14	14	14
376.32	412.16	554.82	516.88	816.76	798.56	465.22	513.24
28.528264	27.157846	16.843286	29.302148	38.840029	31.620721	19.870156	22.708445
28.528264	27.157846	16.843286	29.302148	38.840029	31.620721	19.870156	22.708445
32823.8671	33293.2831	40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855
52953.0192	44472.3809	97017.9231	60481.0528	96938.0232	93054.9743	85426.8105	56233.3287

20129.1521	11179.0978	56229.8103	22849.8767	36072.598	33675.4161	51238.6716	16597.9432
52953.0192	44472.3809	97017.9231	60481.0528	96938.0232	93054.9743	85426.8105	56233.3287
123.01	101.64	97.35	115.76	160.88	154.56	104.6	100.24
30321.9747	32195.6177	26558.7522	30761.1631	31890.6302	41029.4702	31883.3598	37952.9054
49093.5867	43095.0984	59857.8422	49482.6598	48683.6534	63897.6974	80350.6033	53607.9489
4.82149	4.728484	3.054086	5.29061	6.453766	5.485496	3.718325	4.178347
346.39853	398.708622	362.694058	422.593194	426.63796	552.394053	433.378038	491.741149
86.96328	83.699346	75.150277	76.800075	79.573346	77.184645	74.359098	76.837812
19.131921	12.554901	16.498322	25.305322	41.267775	32.41755	16.359001	12.294049
376.32	412.16	554.82	516.88	816.76	798.56	465.22	513.24
1.06909	1.226666	1.576193	1.538333	2.430833	2.17	1.530328	1.394673
20129.1521	11179.0978	56229.8103	22849.8767	36072.598	33675.4161	51238.6716	16597.9432
20129.1521	11179.0978	56229.8103	22849.8767	36072.598	33675.4161	51238.6716	16597.9432
29.921469	13.451377	192.125941	94.286805	390.122039	246.165946	31.841961	21.49885
2501.89241	1097.66543	14229.3606	6870.01299	28974.795	18350.088	2304.77914	1682.48012
8.43	11.5	5.55	9.62	10.12	10.78	4.89	11.35
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-69222.739	-54274.196	-116087.65	-72332.536	-84756.251	-97573.113	-131589.27	-70205.892
0.7	0.32	2.47	1.65	6.69	4.01	0.22	0.25
7502.8947	7366.0489	9523.6999	10886.0169	19987.9247	18098.1125	8643.2698	9253.6521
0.13	0.13	0.22	0.23	0.27	0.1	0.06	0.11
136.5	136.5	231	241.5	283.5	105	63	115.5
32823.8671	33293.2831	40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855
32823.8671	33293.2831	40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855
32687.3671	33156.7831	40557.1129	37389.6761	60581.9252	59274.5582	34125.1389	39519.8855
376.32	412.16	554.82	516.88	816.76	798.56	465.22	513.24
136.5	136.5	231	241.5	283.5	105	63	115.5
32823.8671	33293.2831	40788.1129	37631.1761	60865.4252	59379.5582	34188.1389	39635.3855
0.05							

11.059292	11.083126	11.410302	11.116832	10.961699	11.089766	11.370264	11.102698
0.41301	0.411698	0.297424	0.415144	0.484621	0.447835	0.355836	0.407428
0.397183	0.394875	0.219314	0.399738	0.466628	0.430412	0.339092	0.391591
1604119.75	1363633.62	951112.228	1597286.84	2080863.67	2021759.22	1170219.09	1556724.26
5887.84517	5564.76474	3989.66312	5709.52749	6332.89596	6556.10024	4555.60876	6206.55092
51323.708	48706.094	28339.698	49305.978	57556.548	58145.584	37842.126	52901.128
0.034788	0.035211	0.036663	0.036799	0.034404	0.035121	0.036976	0.032203
559108.349	530788.754	317287.504	539726.647	626597.349	636454.708	421607.224	579106.291
1000043.1	946355.82	720735.505	955641.148	1209975.43	1207840.86	790473.853	1028560.94
3.166789	3.157488	3.181705	3.140832	3.23334	3.187381	3.14317	3.144
844571.17	788643.366	403458.857	788869.687	874906.471	897133.181	611229.787	852656.06
14886.8234	8292.72158	39057.8232	30778.3104	85499.3691	66856.6222	14288.0168	11074.9185
124233.208	118240.266	95383.703	118844.228	118692.812	129886.799	106332.834	129931.212
352.93525	351.905553	270.976428	353.703059	353.252416	352.953258	349.779059	353.073945
129219.2	123345.6	129219.2	123345.6	123345.6	135092.8	111598.4	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51323.708	48706.094	28339.698	49305.978	57556.548	58145.584	37842.126	52901.128

228.807872	215.276833	203.979818	250.727693	289.431345	228.558229	241.5193	195.055386
36.614863	36.626426	37.965637	36.584402	37.267431	37.054696	37.325507	36.540981
1977126.75	1862973.8	1217253.59	1872074.82	2239635.38	2258265.59	1508031.26	2021432.82
3091053.13	2612952.53	2326559.31	2806680.32	3861160.63	3692001.7	2827559.68	2888295.22
1113926.38	749978.735	1109305.72	934605.497	1621525.25	1433736.11	1319528.41	866862.397
3091053.13	2612952.53	2326559.31	2806680.32	3861160.63	3692001.7	2827559.68	2888295.22
1541.74	1403.8	1014.48	1470.25	1641.46	1645.54	1214.19	1449.57
332682.054	462993.332	234808.497	240321.076	119906.768	197209.636	302927.964	422755.887
550805.156	692373.926	534551.283	394866.402	180172.524	314279.265	762674.383	658823.319
5.437468	11.308463	3.409355	4.866871	3.047899	5.299934	3.787406	8.822951
5124.60187	8829.82958	3451.19498	4037.14827	1648.2531	2889.99424	4696.69048	7550.67473
40.776566	36.03472	30.837667	40.057386	50.679444	42.689222	27.114464	35.019114
40.74492	35.984766	30.779791	39.980013	50.639166	42.684765	27.094023	34.965129
51323.708	48706.094	28339.698	49305.978	57556.548	58145.584	37842.126	52901.128
145.805988	144.958613	80.510505	146.743982	171.29925	158.004304	124.480677	143.753065
852564.936	505929.101	982979.604	690181.789	1350839.53	1155894.58	1131406.91	602191.138
852564.936	505929.101	982979.604	690181.789	1350839.53	1155894.58	1131406.91	602191.138
46199.1061	39876.2644	24888.503	45268.8297	55908.2949	55255.5898	33145.4355	45350.4533
1604119.75	1363633.62	951112.228	1597286.84	2080863.67	2021759.22	1170219.09	1556724.26
70.14	88.15	41.97	58.83	47.62	60.64	52.83	84.8
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259.64	208.91	293.54	262.41	287.7	305.21	241.58	252.68
		0.099173				0.004784	
296904.787	257693.731	184615.323	304533.154	383908.014	385139.017	248299.109	293027.079
5.11	4.16	4.79	4.8	5.23	4.38	4.58	4.47
40835.454	36894.6401	32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584
2238488.19	2107023.43	1343579.71	2116498.53	2510321.1	2536107.13	1696152.77	2286104.08
2238488.19	2107023.43	1343579.71	2116498.53	2510321.1	2536107.13	1696152.77	2286104.08
1844614.27	1734999.19	1124194.36	1744510.83	2084881.9	2104974.05	1401703.64	1881217
51323.708	48706.094	28339.698	49305.978	57556.548	58145.584	37842.126	52901.128
40835.454	36894.6401	32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584
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91677.0205	91079.9744	60992.9112	92182.8755	114717.499	113412.139	71100.2804	97647.1645
21.76	38.36	6.51	14.38	0.38	1.83	9.26	30.51

4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
609725.548	382330.796	727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544
2231.70812	1562.08067	3047.08801	2398.6966	3662.31768	3603.59163	1461.82202	2116.0215
-95531.881	-82135.134	-83787.098	-93218.063	-108768.53	-112580.81	-78254.335	-92287.406
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059
609725.548	382330.796	727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544
258.93	208.47	302.99	261.87	287.24	304.68	241.33	251.16
185.913594	157.728541	195.923031	214.116263	255.287045	241.925507	199.863286	180.806883
90.339749	78.789594	115.924728	102.714729	125.919946	124.006531	108.122228	97.68573
26879.0454	19456.6441	37589.9821	30329.9485	38814.9791	41830.1947	30208.7077	26513.9741

-95531.881	-82135.134	-83787.098	-93218.063	-108768.53	-112580.81	-78254.335	-92287.406
-271.39739	-244.4498	-238.03153	-277.43471	-323.71588	-305.92611	-257.41557	-250.78099
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-42.919705	-38.835846	-40.174383	-40.630263	-51.355597	-46.357029	-38.896193	-38.645927
-4107207.2	-3194102.5	-3361117	-3788013.1	-5581658.5	-5199752.1	-3016712.4	-3566277.3
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
4716932.72	3576433.27	4088883.96	4467134.64	6777081.51	6312914.19	3400255.22	4100387.85
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
609725.548	382330.796	727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544
2231.70812	1562.08067	3047.08801	2398.6966	3662.31768	3603.59163	1461.82202	2116.0215
-95531.881	-82135.134	-83787.098	-93218.063	-108768.53	-112580.81	-78254.335	-92287.406
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059
609725.548	382330.796	727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544
258.93	208.47	302.99	261.87	287.24	304.68	241.33	251.16
185.913594	157.728541	195.923031	214.116263	255.287045	241.925507	199.863286	180.806883
90.339749	78.789594	115.924728	102.714729	125.919946	124.006531	108.122228	97.68573
26879.0454	19456.6441	37589.9821	30329.9485	38814.9791	41830.1947	30208.7077	26513.9741
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-271.39739	-244.4498	-238.03153	-277.43471	-323.71588	-305.92611	-257.41557	-250.78099
-4107207.2	-3194102.5	-3361117	-3788013.1	-5581658.5	-5199752.1	-3016712.4	-3566277.3
-42.919705	-38.835846	-40.174383	-40.630263	-51.355597	-46.357029	-38.896193	-38.645927
-4107207.2	-3194102.5	-3361117	-3788013.1	-5581658.5	-5199752.1	-3016712.4	-3566277.3
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
4716932.72	3576433.27	4088883.96	4467134.64	6777081.51	6312914.19	3400255.22	4100387.85
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3

335464.476	345273.017	333297.488	257198.161	197535.401	212710.574	225594.855	313508.885
1241.72227	1417.04402	1404.49026	943.728272	617.726272	703.604394	886.846412	1255.29437
7348.61941	7563.48339	7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451
311380.181	292360.187	289281.349	222189.363	214519.29	210492.352	187754.514	264643.333
7348.61941	7563.48339	7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451
20.876759	22.510367	20.741902	16.768252	12.878488	12.661946	16.256042	18.662131
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-24084.294	-52912.83	-44016.139	-35008.798	16983.889	-2218.2218	-37840.34	-48865.552
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335464.476	345273.017	333297.488	257198.161	197535.401	212710.574	225594.855	313508.885
24084.2944	52912.8296	44016.1388	35008.7978	-16983.889	2218.22182	37840.3403	48865.552
24084.2944	52912.8296	44016.1388	35008.7978	-16983.889	2218.22182	37840.3403	48865.552
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059
335464.476	345273.017	333297.488	257198.161	197535.401	212710.574	225594.855	313508.885
335464.476	345273.017	333297.488	257198.161	197535.401	212710.574	225594.855	313508.885
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335464.476	345273.017	333297.488	257198.161	197535.401	212710.574	225594.855	313508.885
335464.476	345273.017	333297.488	257198.161	197535.401	212710.574	225594.855	313508.885
7348.61941	7563.48339	7301.14979	5634.13276	4327.17199	4659.59637	4941.8369	6867.66451
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335464.476	345273.017	333297.488	257198.161	197535.401	212710.574	225594.855	313508.885

322127.031	331897.692	320189.147	246538.851	190028.096	204508.133	216455.499	300807.182
1192.35458	1362.11123	1349.24938	904.650287	594.211676	676.451036	850.924527	1204.47208
8255.43391	8505.83526	8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132
349783.48	328725.147	325208.703	249021.9	241531.112	236808.616	210690.308	297205.414
32.848281	31.863266	24.449345	27.284722	29.78068	27.183939	18.873205	9.308236
1.970896	1.593163	13.936126	1.091388	0.89342	0.543678	1.321124	0.093082
8255.43391	8505.83526	8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132
23.452937	25.314985	23.311846	18.804371	14.4941	14.242148	18.247684	20.948509
27656.4491	-3172.5447	5019.55595	2483.04838	51503.0155	32300.4825	-5765.1902	-3601.7687
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8255.43391	8505.83526	8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132
322127.031	331897.692	320189.147	246538.851	190028.096	204508.133	216455.499	300807.182
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0.46	0.58	9.98	0.38	0.3	0.32	0.33	0.01
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059
322127.031	331897.692	320189.147	246538.851	190028.096	204508.133	216455.499	300807.182
322127.031	331897.692	320189.147	246538.851	190028.096	204508.133	216455.499	300807.182
8255.43391	8505.83526	8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132
322127.031	331897.692	320189.147	246538.851	190028.096	204508.133	216455.499	300807.182
322127.031	331897.692	320189.147	246538.851	190028.096	204508.133	216455.499	300807.182
8255.43391	8505.83526	8205.77003	6318.26887	4870.01784	5241.11054	5547.29622	7709.05132
349783.48	328725.147	325208.703	249021.9	241531.112	236808.616	210690.308	297205.414
27656.4491	-3172.5447	5019.55595	2483.04838	51503.0155	32300.4825	-5765.1902	-3601.7687
322127.031	331897.692	320189.147	246538.851	190028.096	204508.133	216455.499	300807.182

167750.266	161811.744	147003.402	159587.313	150862.807	179368.558	110292.602	108582.609
621.883527	666.444013	619.655091	583.998902	468.216731	588.903158	430.585564	434.255234
3274.45376	3158.53492	2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219
137250.838	122080.157	109699.194	120834.476	150128.047	161027.035	81275.9365	84913.2772
3274.45376	3158.53492	2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219

9.302425	9.400401	8.151928	9.271173	8.764326	9.51424	7.081878	5.759543
-30499.428	-39731.587	-37304.208	-38752.837	-734.75942	-18341.524	-29016.665	-23669.332
-30499.428	-39731.587	-37304.208	-38752.837	-734.75942	-18341.524	-29016.665	-23669.332
3274.45376	3158.53492	2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219
167750.266	161811.744	147003.402	159587.313	150862.807	179368.558	110292.602	108582.609
30499.4283	39731.5869	37304.2081	38752.837	734.75942	18341.5236	29016.6654	23669.3323
30499.4283	39731.5869	37304.2081	38752.837	734.75942	18341.5236	29016.6654	23669.3323
93840.0997	82135.1343	83787.0977	90584.2105	108768.535	112580.808	78254.3346	92287.4059
167750.266	161811.744	147003.402	159587.313	150862.807	179368.558	110292.602	108582.609
167750.266	161811.744	147003.402	159587.313	150862.807	179368.558	110292.602	108582.609
3274.45376	3158.53492	2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219
167750.266	161811.744	147003.402	159587.313	150862.807	179368.558	110292.602	108582.609
167750.266	161811.744	147003.402	159587.313	150862.807	179368.558	110292.602	108582.609
3274.45376	3158.53492	2869.47887	3115.11445	2944.81372	3501.24065	2152.89092	2119.51219
137250.838	122080.157	109699.194	120834.476	150128.047	161027.035	81275.9365	84913.2772
-30499.428	-39731.587	-37304.208	-38752.837	-734.75942	-18341.524	-29016.665	-23669.332
167750.266	161811.744	147003.402	159587.313	150862.807	179368.558	110292.602	108582.609

304036.897	303964.614	249355.47	217002.384	161852.99	177995.17	192034.554	316922.864
1125.45999	1249.54406	1051.26472	798.396519	509.734531	591.949752	755.567524	1270.95611
3575.22221	3574.37223	2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051
149293.707	138979.118	110433.212	96391.324	89656.1443	90965.7938	82166.8458	146520.073
3575.22221	3574.37223	2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051
10.156881	10.638012	8.330153	7.594548	5.664455	5.687706	7.428182	10.127039
-154743.19	-164985.5	-138922.26	-120611.06	-72196.846	-87029.376	-109867.71	-170402.79
-154743.19	-164985.5	-138922.26	-120611.06	-72196.846	-87029.376	-109867.71	-170402.79
3575.22221	3574.37223	2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051
304036.897	303964.614	249355.47	217002.384	161852.99	177995.17	192034.554	316922.864
154743.189	164985.496	138922.259	120611.06	72196.8461	87029.3765	109867.709	170402.79
154743.189	164985.496	138922.259	120611.06	72196.8461	87029.3765	109867.709	170402.79
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	108991.998	77624.148	92287.4059
304036.897	303964.614	249355.47	217002.384	161852.99	177995.17	192034.554	316922.864
304036.897	303964.614	249355.47	217002.384	161852.99	177995.17	192034.554	316922.864
3575.22221	3574.37223	2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051
304036.897	303964.614	249355.47	217002.384	161852.99	177995.17	192034.554	316922.864
304036.897	303964.614	249355.47	217002.384	161852.99	177995.17	192034.554	316922.864
3575.22221	3574.37223	2932.2139	2551.76839	1903.25718	2093.07585	2258.16738	3726.75051
149293.707	138979.118	110433.212	96391.324	89656.1443	90965.7938	82166.8458	146520.073
-154743.19	-164985.5	-138922.26	-120611.06	-72196.846	-87029.376	-109867.71	-170402.79
304036.897	303964.614	249355.47	217002.384	161852.99	177995.17	192034.554	316922.864

1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54
4181.42037	4695.14333	4424.65946	3230.77398	2189.88921	2560.90834	2923.92403	4164.9778
22453.7293	22802.2258	21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785
947708.207	882144.609	834622.457	688437.063	695834.594	699293.797	561887.605	793282.097
32.848281	31.863266	24.449345	27.284722	29.78068	27.183939	18.873205	9.308236
1.970896	1.593163	13.936126	1.091388	0.89342	0.543678	1.321124	0.093082

22453.7293	22802.2258	21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785
63.789003	67.863767	60.535831	52.438346	41.801371	42.106041	49.013787	55.497224
-181670.46	-260802.46	-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44
-181670.46	-260802.46	-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44
22453.7293	22802.2258	21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54
181670.463	260802.458	215223.05	191889.647	4444.70098	75288.6394	182489.904	246539.443
181670.463	260802.458	215223.05	191889.647	4444.70098	75288.6394	182489.904	246539.443
0.46	0.58	9.98	0.38	0.3	0.32	0.33	0.01
380435.742	328540.537	335148.391	370238.399	435074.139	446734.421	312387.152	369149.624
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54
22453.7293	22802.2258	21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54
22453.7293	22802.2258	21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785
947708.207	882144.609	834622.457	688437.063	695834.594	699293.797	561887.605	793282.097
-181670.46	-260802.46	-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54

11.059292	11.083126	11.410302	11.116832	10.961699	11.089766	11.370264	11.102698
0.41301	0.411698	0.297424	0.415144	0.484621	0.447835	0.355836	0.407428
0.397183	0.394875	0.219314	0.399738	0.466628	0.430412	0.339092	0.391591
4107207.17	3194102.48	3361117.01	3788013.11	5581658.47	5199752.1	3016712.39	3566277.3
3343223.96	2888911.49	2728724.69	3156735.08	3976566.01	3909503.74	2298139.42	3130656.34
12300.9737	11821.9887	11461.4106	11338.9981	12185.1029	12720.6002	8941.35481	12487.5502
-21754.444	-10626.815	-34138.787	-26292.8	-37166.726	-38940.2	-25512.017	-18963.299
3503708.83	3344449.34	3503708.83	3344449.34	3344449.34	3662968.33	3025930.36	3662968.33
0.034788	0.035211	0.036663	0.036799	0.034404	0.035121	0.036976	0.032203
559108.349	530788.754	317287.504	539726.647	626597.349	636454.708	421607.224	579106.291
1000043.1	946355.82	720735.505	955641.148	1209975.43	1207840.86	790473.853	1028560.94
3.166789	3.157488	3.181705	3.140832	3.23334	3.187381	3.14317	3.144
844571.17	788643.366	403458.857	788869.687	874906.471	897133.181	611229.787	852656.06
14886.8234	8292.72158	39057.8232	30778.3104	85499.3691	66856.6222	14288.0168	11074.9185
124233.208	118240.266	95383.703	118844.228	118692.812	129886.799	106332.834	129931.212
352.93525	351.905553	270.976428	353.703059	353.252416	352.953258	349.779059	353.073945
129219.2	123345.6	129219.2	123345.6	123345.6	135092.8	111598.4	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
51323.708	48706.094	28339.698	49305.978	57556.548	58145.584	37842.126	52901.128
228.807872	215.276833	203.979818	250.727693	289.431345	228.558229	241.5193	195.055386
36.614863	36.626426	37.965637	36.584402	37.267431	37.054696	37.325507	36.540981
1977126.75	1862973.8	1217253.59	1872074.82	2239635.38	2258265.59	1508031.26	2021432.82
3091053.13	2612952.53	2326559.31	2806680.32	3861160.63	3692001.7	2827559.68	2888295.22
95531.8808	82135.1343	83787.0977	93218.0627	108768.535	112580.808	78254.3346	92287.4059
1113926.38	749978.735	1109305.72	934605.497	1621525.25	1433736.11	1319528.41	866862.397

4038761.34	3495097.14	3161181.77	3495117.38	4556995.23	4391295.5	3389447.28	3681577.32
1541.74	1403.8	1014.48	1470.25	1641.46	1645.54	1214.19	1449.57
332682.054	462993.332	234808.497	240321.076	119906.768	197209.636	302927.964	422755.887
32.762538	30.148393	31.010814	30.799065	37.707629	34.672342	29.911792	30.079173
609725.548	382330.796	727766.952	679121.53	1195423.05	1113162.09	383542.826	534110.544
258.93	208.47	302.99	261.87	287.24	304.68	241.33	251.16
185.913594	157.728541	195.923031	214.116263	255.287045	241.925507	199.863286	180.806883
5.646234	6.565799	7.245295	6.41967	7.869996	10.333877	6.757639	8.140477
26,879	19,457	37,590	30,330	38,815	41,830	30,209	26,514
550805.156	692373.926	534551.283	394866.402	180172.524	314279.265	762674.383	658823.319
3.738259	6.596603	2.343932	3.345973	2.09543	3.091628	2.603842	5.146721
5,125	8,830	3,451	4,037	1,648	2,890	4,697	7,551
40.774101	36.087683	30.585541	40.031455	50.61042	42.680714	27.019472	34.946041
40.742577	36.037969	30.529185	39.965661	50.570444	42.676257	26.999089	34.892056
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-61.802396	-31.627424	-96.98519	-78.252381	-110.61526	-105.81576	-83.921109	-51.530704
-6940021.5	-6293425.2	-6097069.3	-6634170.3	-7579713	-7782114.5	-5093725.7	-6873593.9
-72.664931	-76.649039	-72.766886	-71.197002	-69.719528	-69.153768	-65.027482	-74.484821
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68652.8354	62678.4902	46197.1156	62888.1142	69953.5556	70750.6132	48045.6269	65773.4318
2733498.42	2506580.69	2000957.73	2477613.55	2781142.97	2796341.65	1914596.6	2596545.8
6678660.09	6049375.54	5970743.17	6389746.6	7309027.26	7504272.96	4905604.24	6608922.67
6737580.48	5739332.41	6163958.84	6674001.72	8324277.78	8303155.79	4526472.68	6484209.9
		0.099173				0.004784	
772872.41	668369.402	603550.811	767989.615	927750.687	944454.246	638940.595	754464.109
5.11	4.16	4.79	4.8	5.23	4.38	4.58	4.47
40835.454	36894.6401	32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584
10978782.9	9788522.32	9258251.06	10129287.7	12136708.2	12173410	8483173.03	10555171.3
7475074.04	6444072.98	5754542.22	6784838.35	8792258.86	8510441.67	5457242.67	6892202.92
1844614.27	1734999.19	1124194.36	1744510.83	2084881.9	2104974.05	1401703.64	1881217
73777.4373	71508.3198	49648.3106	66925.2625	71601.8087	73640.6074	52742.3174	73324.1065
40835.454	36894.6401	32066.3174	35381.1135	40035.9813	39879.4099	35227.3409	42568.6584
7475074.04	6444072.98	5754542.22	6784838.35	8792258.86	8510441.67	5457242.67	6892202.92
91677.0205	91079.9744	60992.9112	92182.8755	114717.499	113412.139	71100.2804	97647.1645
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54
22453.7293	22802.2258	21308.6126	17619.2845	14045.2607	15495.0234	14900.1914	20422.9785
947708.207	882144.609	834622.457	688437.063	695834.594	699293.797	561887.605	793282.097
-181670.46	-260802.46	-215223.05	-191889.65	-4444.701	-75288.639	-182489.9	-246539.44
1129378.67	1142947.07	1049845.51	880326.71	700279.295	774582.436	744377.509	1039821.54

2029-11	2029-12	2030-01	2030-02	2030-03	2030-04	2030-05	2030-06
3344449.34	3185189.85	3573783.01	3248893.65	3411338.33	3573783.01	3573783.01	3248893.65
-3344449.3	-3185189.8	-3573783	-3248893.6	-3411338.3	-3573783	-3573783	-3248893.6
-3344449.3	-3185189.8	-3573783	-3248893.6	-3411338.3	-3573783	-3573783	-3248893.6
3344449.34	3185189.85	3573783.01	3248893.65	3411338.33	3573783.01	3573783.01	3248893.65
3344449.34	3185189.85	3573783.01	3248893.65	3411338.33	3573783.01	3573783.01	3248893.65
3344449.34	3185189.85	3573783.01	3248893.65	3411338.33	3573783.01	3573783.01	3248893.65
38.452963	39.237863	56.261013	52.429663	43.250383	39.339223	40.696153	40.376873
24.73371	24.733748	25.228553	25.228422	25.228516	25.228441	25.228329	25.228441
38.328275	39.113175	56.136151	52.304801	43.125521	39.214361	40.571291	40.252011
38.424189	39.209089	56.232199	52.400849	43.221569	39.310409	40.667339	40.348059
37.704837	38.489737	55.511838	51.680489	42.501209	38.590049	39.946979	39.627699
37.982986	38.767886	55.790378	51.959028	42.779748	38.868588	40.225518	39.906238
38.405006	39.189906	56.212989	52.381639	43.202359	39.291199	40.648129	40.328849
38.443372	39.228272	56.251408	52.420058	43.240778	39.329618	40.686548	40.367268
22.789836	22.789836	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633
1.3	1.3	1.35	1.35	1.35	1.35	1.35	1.35
38.14604	38.93094	55.95366	52.12231	42.94303	39.03187	40.3888	40.06952
5.835707	6.578011	6.566008	6.617579	5.869184	5.28005	4.940747	4.905599
30.045577	30.630705	42.061653	39.511706	33.329827	30.673287	31.549622	31.333849
30.045577	30.630705	42.061653	39.511706	33.329827	30.673287	31.549622	31.333849

	0.13894	0.27788	0.6947	0.13894	0.27788	0.27788	0.27788
	0.000662	0.010378	0.005513	0.000449	0.000479	0.00358	0.002055
	0.000611	0.010378	0.005388	0.000449	0.000479	0.003106	0.002055
	609.637759	3357.97455	470.032943			22.114229	605.767787
	1.756946	10.391039	1.416117			0.085543	1.867138
	4.4	82.2	38.8	3.4	3.8	24.6	14.8
0.035892	0.029062	0.022187	0.033031	0.033214	0.031789	0.022698	0.028343
	61.1336	1142.0868	539.0872	47.2396	52.7972	341.7924	205.6312
	1393.22474	26548.5308	12531.4233	1098.11441	1227.30434	7945.18074	4780.02744
	0.241767	0.493206	1.233016	0.246603	0.493206	0.493206	0.493206
	84.786189	1615.7102	762.646661	66.829862	74.692198	483.533708	290.906458
7288.65	6990.75	7744.275	6962.175	7308.9	7668.225	7740.225	6995.925
21.69241	21.846093	22.000781	21.756796	21.752678	21.78473	21.989275	21.862265
7560	7200	7920	7200	7560	7920	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	4.4	82.2	38.8	3.4	3.8	24.6	14.8
	3.418978	6.885277	17.426014	3.470501	7.045871	7.019599	6.908552
	3.418978	6.885277	17.426014	3.470501	7.045871	7.019599	6.908552
	1504.35053	28293.8218	13387.4395	1179.97067	1328.08934	8492.80164	5111.54669
	1666.76186	37921.4918	15976.4957	1387.34571	1386.89243	10709.9499	5715.25485
	162.411327	9627.67003	2589.05614	207.375035	58.803088	2217.14827	603.708152
	1666.76186	37921.4918	15976.4957	1387.34571	1386.89243	10709.9499	5715.25485
	2.51	6.56	7.56	1.32	1.14	2.77	5.5
	894.712773	24935.8472	12917.4066	1179.97067	1328.08934	8470.68742	4505.77891
	990.351555	32950.8868	15460.5253	1387.34571	1386.89243	10679.3773	4992.78995
	0.18712	0.390747	0.985054	0.2	0.4	0.399459	0.395969
	2.61969	72.476601	37.433429	3.4	3.8	24.535705	13.038794
	362.890718	371.861482	344.443099			343.950668	351.118245
	3.61796	7.209649	6.888861			3.439506	7.022364
	4.4	82.2	38.8	3.4	3.8	24.6	14.8
	0.01375	0.233522	0.12125	0.010119	0.010795	0.069886	0.04625
	162.411327	9627.67003	2589.05614	207.375035	58.803088	2217.14827	603.708152
	162.411327	9627.67003	2589.05614	207.375035	58.803088	2217.14827	603.708152
	1.780309	9.723398	1.36657			0.064294	1.761205
	609.637759	3357.97455	470.032943			22.114229	605.767787
	0.05	0.53	0.57	0.05	0.13	0.27	0.31
	-162.41133	-9627.67	-2589.0561	-207.37504	-58.803088	-2217.1483	-603.70815
	-1152.7629	-42578.557	-18049.581	-1594.7207	-1445.6955	-12896.526	-5596.4981
	0.03	0.02	0.01				0.02
	75.1756	1315.2842	608.9954	49.7413	49.1834	307.3653	225.9457
	0.02	0.02	0.04	0.01	0.02	0.03	0.02
	20.6636	21.0768	42.1536	10.5384	21.0768	31.6152	21.0768
	1504.35053	28293.8218	13387.4395	1179.97067	1328.08934	8492.80164	5111.54669
	1504.35053	28293.8218	13387.4395	1179.97067	1328.08934	8492.80164	5111.54669
	1478.01093	28164.241	13294.0699	1164.94427	1301.99654	8428.71445	5070.93389

	4.4	82.2	38.8	3.4	3.8	24.6	14.8
	20.6636	21.0768	42.1536	10.5384	21.0768	31.6152	21.0768
	1504.35053	28293.8218	13387.4395	1179.97067	1328.08934	8492.80164	5111.54669
	5.676	108.504	51.216	4.488	5.016	32.472	19.536
3.39084	3.20246	4.992069	5.6514	5.08626	5.18045	3.7676	5.08626
0.146203	0.106701	0.224302	0.212828	0.189785	0.155358	0.211059	0.186718
0.139434	0.102625	0.220142	0.205375	0.185446	0.149857	0.205142	0.180093
72970.6918	122774.013	244623.796	194320.4	95747.8662	34180.564	96431.6617	118599.814
262.35993	373.760976	759.490584	620.453466	332.733996	133.863087	391.783906	386.603439
2717.3	1904.72	4494.42	3811.76	3613.98	3059.5	4188.18	3342.54
0.034107	0.025531	0.025454	0.030031	0.02619	0.029346	0.03284	0.032812
25594.2487	17940.5577	42332.942	35902.9674	34040.0776	28817.4305	39448.4674	31483.3843
157144.774	122323.797	269070.265	232087.72	202411.455	159951.363	199283.06	159987.514
2.143947	2.316877	3.005223	3.414357	3.076686	2.93452	2.013045	2.679322
10205.0106	15753.6578	33208.7561	25731.7042	13669.5052	5236.75748	15983.4531	19630.5267
18823.32	18086.14	19896.32	18002.62	18977.6	19816.86	19745.52	17951
56.021785	56.519187	56.523636	56.258187	56.480952	56.297897	56.095227	56.096875
19488	18560	20416	18560	19488	20416	20416	18560
58	58	58	58	58	58	58	58
2717.3	1904.72	4494.42	3811.76	3613.98	3059.5	4188.18	3342.54
23.503965	25.041531	33.26208	37.743824	34.139586	32.82236	22.714046	30.395811
23.503965	25.041531	33.26208	37.743824	34.139586	32.82236	22.714046	30.395811
182010.413	139846.454	310806.955	267502.103	236056.466	188414.863	238267.58	191168.006
257141.384	208941.466	624871.103	501194.6	376030.183	330282.279	480725.882	336857.534
75130.9706	69095.0121	314064.148	233692.498	139973.717	141867.416	242458.301	145689.527
257141.384	208941.466	624871.103	501194.6	376030.183	330282.279	480725.882	336857.534
98.42	96.13	221.79	207.92	177.19	168.9	119.34	142.3
109039.722	17072.4416	66183.1595	73181.7023	140308.6	154234.299	141835.919	72568.1923
153660.173	25142.9026	138385.314	138759.422	221518.478	267879.5	290703.081	123393.777
15.864264	6.334925	13.337574	16.867876	21.358717	27.83075	15.031043	17.023477
1633.85053	232.179618	968.700057	1079.86658	2162.71073	2503.52193	2491.24263	1258.39872
67.241486	78.142155	65.86676	66.806169	65.939895	60.850749	57.72505	57.786155
23.517237	26.555638	34.895033	39.412206	34.856885	30.960922	23.064169	31.149954
2717.3	1904.72	4494.42	3811.76	3613.98	3059.5	4188.18	3342.54
8.087202	5.95225	12.768238	11.91175	10.755892	8.691761	11.898238	10.445437
75130.9706	69095.0121	314064.148	233692.498	139973.717	141867.416	242458.301	145689.527
75130.9706	69095.0121	314064.148	233692.498	139973.717	141867.416	242458.301	145689.527
1083.44947	1672.54038	3525.71994	2731.89342	1451.26927	555.978074	1696.93737	2084.14128
72970.6918	122774.013	244623.796	194320.4	95747.8662	34180.564	96431.6617	118599.814
18.86	5.75	11.4	11.81	19.04	18.43	17.83	12.6
-75130.971	-69095.012	-314064.15	-233692.5	-139973.72	-141867.42	-242458.3	-145689.53
-228791.14	-94237.915	-452449.46	-372451.92	-361492.2	-409746.92	-533161.38	-269083.3
4.5	12.21	13.68	10.75	4.19	1.24	2.83	7.29
12796.0782	10753.4345	24809.3974	20353.9281	17507.0583	13238.0237	17613.0038	17065.7701
0.52	0.56	0.43	0.4	0.52	0.4	0.59	0.61
246.9012	265.8936	208.249	193.72	251.836	193.72	285.737	295.423

182010.413	139846.454	310806.955	267502.103	236056.466	188414.863	238267.58	191168.006
182010.413	139846.454	310806.955	267502.103	236056.466	188414.863	238267.58	191168.006
157144.774	122323.797	269070.265	232087.72	202411.455	159951.363	199283.06	159987.514
2717.3	1904.72	4494.42	3811.76	3613.98	3059.5	4188.18	3342.54
246.9012	265.8936	208.249	193.72	251.836	193.72	285.737	295.423
182010.413	139846.454	310806.955	267502.103	236056.466	188414.863	238267.58	191168.006
24618.738	17256.7632	41528.4408	35220.6624	33393.1752	28269.78	38698.7832	30885.0696
		0.22	0.53	0.6			
11.070849	11.095009	10.959052	10.99527	11.034368	11.079742	11.141128	11.061525
0.640319	0.637682	0.711396	0.682675	0.656321	0.62136	0.61369	0.631011
0.614914	0.613753	0.687698	0.654896	0.634342	0.599364	0.593873	0.61046
797659.279	792196.792	984625.866	850063.882	835759.247	753495.194	822703.139	786172.606
2927.99895	2445.13144	3081.07571	2769.59262	3012.23964	3025.12214	3403.24771	2797.49401
22933.858	21800.52	26869.768	23261.934	23658.428	23418.364	23203.82	21683.546
0.039523	0.036031	0.033323	0.039031	0.034613	0.035482	0.032073	0.034531
250241.343	237927.106	290454.991	252344.285	257564.915	256379.185	254268.096	236861.336
324730.907	310340.294	392946.633	340801.386	347434.29	347814.471	345513.068	320309.005
3.1673	3.1673	3.227	3.227	3.227	3.227	3.227	3.227
467275.659	444281.286	545184.018	473650.223	483449.345	481223.73	477261.217	444588.727
35821.92	34240.17	37769.97	34133.61	36005.07	37685.61	37818.81	34293.45
106.612857	107.000531	107.301051	106.667531	107.157946	107.061392	107.439801	107.167031
37296	35520	39072	35520	37296	39072	39072	35520
111	111	111	111	111	111	111	111
22933.858	21800.52	26869.768	23261.934	23658.428	23418.364	23203.82	21683.546
37.187357	37.300949	37.423624	37.68283	37.747251	37.882531	38.06309	37.858907
36.807772	36.876049	37.132379	37.249672	37.378577	37.517398	37.713284	37.465028
839234.679	800335.384	992319.41	863841.793	879761.802	877771.565	870941.166	810373.728
1100783.54	1071772.82	1870734.53	1555413.72	1298292.81	1185710.01	1291852.84	1120253.51
261548.866	271437.439	878415.121	691571.928	418531.005	307938.442	420911.674	309879.779
1100783.54	1071772.82	1870734.53	1555413.72	1298292.81	1185710.01	1291852.84	1120253.51
322.72	308.47	340.27	307.51	324.37	339.51	340.71	308.95
34252.1995	357.692017	1064.27417	5561.35043	36999.8053	116993.511	41141.9077	17105.0021
61974.0044	518.600509	2413.99411	12010.8309	68007.7489	222029.432	92178.2281	30405.0254
14.235556	1.798447	2.990121	7.839781	13.083593	24.302243	13.687988	12.395859
978.617484	10.259227	29.757139	155.89706	1028.82353	3244.82791	1138.74882	476.653407
29.382166	33.519009	36.325719	34.73942	29.756651	26.585422	23.919805	28.174538
29.371986	33.518669	35.961681	34.737099	29.742942	26.541422	23.905373	28.164388
22933.858	21800.52	26869.768	23261.934	23658.428	23418.364	23203.82	21683.546
68.255529	68.126625	76.334568	72.693543	70.411988	66.529443	65.919943	67.761081
130747.716	147072.941	726594.297	559671.57	283901.824	173929.042	288005.74	186072.359
130747.716	147072.941	726594.297	559671.57	283901.824	173929.042	288005.74	186072.359
21955.2405	21790.2608	26840.0109	23106.0369	22629.6045	20173.5361	22065.0712	21206.8926
797659.279	792196.792	984625.866	850063.882	835759.247	753495.194	822703.139	786172.606
15.9	0.51	1.47	4.15	14.57	20.52	7.37	4.55
-261548.87	-271437.44	-878415.12	-691571.93	-418531.01	-307938.44	-420911.67	-309879.78
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238.35	266.09	254.8	227.16	224.44	221.51	240.13	228.35
85350.5251	96875.4735	105965.457	91660.3438	87395.6338	82276.128	80047.002	84330.0081
0.8	0.85	0.71	0.88	0.75	0.78	0.76	0.76
7323.2	7780.9	6629.27	8216.56	7002.75	7282.86	7096.12	7096.12
970035.828	924699.883	1144140.23	995742.151	1014390.98	1011780.97	1003847.1	934181.149
970035.828	924699.883	1144140.23	995742.151	1014390.98	1011780.97	1003847.1	934181.149
792006.566	754621.58	938130.65	814451.61	830883.635	829038.201	822774.285	764897.732
22933.858	21800.52	26869.768	23261.934	23658.428	23418.364	23203.82	21683.546
7323.2	7780.9	6629.27	8216.56	7002.75	7282.86	7096.12	7096.12
970035.828	924699.883	1144140.23	995742.151	1014390.98	1011780.97	1003847.1	934181.149
39904.9129	37932.9048	47559.4894	41173.6232	41875.4176	41450.5043	41070.7614	38379.8764
14.43	0.38	0.92	3.62	16.49	37.64	13.48	10.04
	0.15	0.3	0.75	0.15	0.3	0.3	0.3
	0.000531	0.01017	0.004241	0.000386	0.000216	0.00337	0.001281
	0.000531	0.01017	0.004218	0.000386	0.000198	0.003323	0.001281
	65.277188	410.594546	22.194299			89.613428	66.582899
	0.191044	1.279223	0.067199			0.382452	0.202258
	0.51	10.74	4.05	0.39	0.21	3.51	1.23
0.035416	0.035625	0.034062	0.026781	0.028065	0.034943	0.032301	0.038062
	7.65	161.1	60.75	5.85	3.15	52.65	18.45
	174.342248	3744.8715	1412.17221	135.986953	73.223744	1223.88258	428.881931
	0.241767	0.493206	1.233016	0.246603	0.493206	0.493206	0.493206
	10.609785	227.90817	85.943025	8.275995	4.456305	74.483955	26.101215
972.3	925.8	1020.03	934.29	979.71	1019.1	1021.89	923.46
2.89375	2.893125	2.897812	2.919656	2.915803	2.89517	2.903096	2.885812
1008	960	1056	960	1008	1056	1056	960
3	3	3	3	3	3	3	3
	0.51	10.74	4.05	0.39	0.21	3.51	1.23
	3.62651	7.398099	18.495249	3.699049	7.398099	7.398099	7.398099
	3.62651	7.398099	18.495249	3.699049	7.398099	7.398099	7.398099
	184.952033	3972.77967	1498.11524	144.262948	77.680049	1298.36654	454.983146
	199.06302	5116.85931	1759.39242	165.446454	79.892338	1598.53575	502.371216
	14.110987	1144.07965	261.277182	21.183505	2.212289	300.169208	47.388069
	199.06302	5116.85931	1759.39242	165.446454	79.892338	1598.53575	502.371216
	0.17	3.58	1.35	0.13	0.07	1.17	0.41
	119.674845	3562.18512	1475.92094	144.262948	77.680049	1208.75311	388.400246
	128.406365	4527.36438	1734.23244	165.446454	79.892338	1481.09953	424.407345
	0.03	0.06	0.15	0.03	0.06	0.059978	0.06
	0.33	9.63	3.99	0.39	0.21	3.267739	1.05
						369.904996	
						3.699049	
	0.51	10.74	4.05	0.39	0.21	3.51	1.23
	0.001593	0.030511	0.012656	0.00116	0.000596	0.009971	0.003843
	14.110987	1144.07965	261.277182	21.183505	2.212289	300.169208	47.388069
	14.110987	1144.07965	261.277182	21.183505	2.212289	300.169208	47.388069

	0.18	1.11	0.06			0.24226	0.18
	65.277188	410.594546	22.194299			89.613428	66.582899
						0.03	
	-14.110987	-1144.0796	-261.27718	-21.183505	-2.212289	-300.16921	-47.388069
	-142.51735	-5671.444	-1995.5096	-186.62996	-82.104627	-1781.2687	-471.79542
	57.4458	1145.0331	423.9023	38.2527	18.5203	291.8815	126.249
	0.12	0.38	0.52	0.07	0.03	0.18	0.16
	184.952033	3972.77967	1498.11524	144.262948	77.680049	1298.36654	454.983146
	184.952033	3972.77967	1498.11524	144.262948	77.680049	1298.36654	454.983146
	184.952033	3972.77967	1498.11524	144.262948	77.680049	1298.36654	454.983146
	0.51	10.74	4.05	0.39	0.21	3.51	1.23
	184.952033	3972.77967	1498.11524	144.262948	77.680049	1298.36654	454.983146
11.626328	11.669251	11.510744	11.579634	11.612355	11.661772	11.819196	11.614096
0.708223	0.695374	0.76167	0.731259	0.718343	0.690032	0.644316	0.714224
0.671094	0.597922	0.725215	0.695481	0.688602	0.655447	0.391335	0.685099
277153.061	235793.047	317406.823	277871.657	289470.118	290760.517	174629.804	274736.067
1019.66778	725.041469	994.123452	906.212639	1048.30942	1171.93167	724.317327	982.322775
9695.97	8227.42	10976.86	9569.83	9948.93	9920.85	5923.26	9426.97
0.051964	0.047656	0.049602	0.051	0.044702	0.049857	0.047869	0.04175
110705.51	94020.9857	124208.78	108784.364	113413.208	113740.263	68305.4283	107649.076
143601.333	122377.223	167917.779	146996.861	153058.835	154021.145	92552.3034	145276.535
2.4074	2.4074	2.4519	2.451899	2.451899	2.451899	2.451899	2.451899
122595.282	104118.84	136865.655	119869.491	124970.014	125330.395	75265.7514	118618.517
13697.22	11812.96	14385.22	13058.24	13802.14	14381.35	9177.92	13185.52
40.765535	36.9155	40.867102	40.807	41.077797	40.856107	26.073636	41.20475
14448	13760	15136	13760	14448	15136	15136	13760
43	43	43	43	43	43	43	43
9695.97	8227.42	10976.86	9569.83	9948.93	9920.85	5923.26	9426.97
29.736659	29.768754	29.892837	30.227104	30.228638	30.379021	30.925777	30.149351
29.123824	29.221408	29.370256	29.54132	29.624063	29.734302	30.122508	29.627072
282042.891	239596.248	322486.81	283044.007	294134.47	296302.321	178278.158	278753.875
436360.528	382978.226	721233.045	600510.723	515257.53	470676.161	317487.41	454270.762
154317.637	143381.979	398746.236	317466.716	221123.06	174373.84	139209.252	175516.886
436360.528	382978.226	721233.045	600510.723	515257.53	470676.161	317487.41	454270.762
318.29	274.72	334.54	303.68	320.98	334.45	213.44	306.64
38.160602	32.245228	31.484167	41.080121	34.242013	22.617082	25.225336	30.275088
10.684968	6.126593	5.66715	9.448428	6.848402	6.106612	11.855908	6.96327
9695.97	8227.42	10976.86	9569.83	9948.93	9920.85	5923.26	9426.97
28.857053	25.710687	31.184261	29.905718	29.60991	28.184232	16.827443	29.459281
96451.8667	94237.2094	333822.306	260605.129	161841.976	114921.805	103506.005	119248.714
96451.8667	94237.2094	333822.306	260605.129	161841.976	114921.805	103506.005	119248.714

9695.97	8227.42	10976.86	9569.83	9948.93	9920.85	5923.26	9426.97
277153.061	235793.047	317406.823	277871.657	289470.118	290760.517	174629.804	274736.067
-154317.64	-143381.98	-398746.24	-317466.72	-221123.06	-174373.84	-139209.25	-175516.89
-154317.64	-143381.98	-398746.24	-317466.72	-221123.06	-174373.84	-139209.25	-175516.89
2.59	1.86	2.43	2.31	2.17	3.41	6.6	2.3
	0.099999					0.363636	
82919.0989	84681.1522	102844.064	89261.8037	85397.062	79784.4183	48220.5519	83453.9182
1.08	0.84	1.1	1.12	1.01	1.2	0.79	0.87
4889.8296	3803.2008	5079.987	5172.3504	4664.3517	5541.804	3648.3543	4017.8079
339908.661	288741.017	387410.739	339905.594	353415.554	355754.357	213981.406	335022.047
339908.661	288741.017	387410.739	339905.594	353415.554	355754.357	213981.406	335022.047
266196.615	226496.062	304783.434	266866.352	278028.849	279351.54	167818.055	263895.052
9695.97	8227.42	10976.86	9569.83	9948.93	9920.85	5923.26	9426.97
4889.8296	3803.2008	5079.987	5172.3504	4664.3517	5541.804	3648.3543	4017.8079
339908.661	288741.017	387410.739	339905.594	353415.554	355754.357	213981.406	335022.047
10956.4461	9296.9846	12623.389	11005.3045	11441.2695	11408.9775	6811.749	10841.0155
	0.15	0.3	0.75	0.15	0.3	0.15	0.3
	0.000531	0.01017	0.004638	0.000386	0.000207	0.003208	0.001207
	0.000531	0.01017	0.004343	0.000386	0.000198	0.002926	0.001187
	65.277188	389.687376	15.883904			88.777199	65.405363
	0.191044	1.215017	0.047684			0.37866	0.198571
	0.51	10.74	4.17	0.39	0.21	3.09	1.14
0.035684	0.025468	0.028863	0.025875	0.022529	0.032812	0.029403	0.04025
	7.65	161.1	62.55	5.85	3.15	46.35	17.1
	174.342248	3744.8715	1454.01435	135.986953	73.223744	1077.4351	397.500326
	0.241767	0.493206	1.233016	0.246603	0.493206	0.246603	0.493206
	10.609785	227.90817	88.489485	8.275995	4.456305	65.571345	24.19137
972.03	935.55	1025.52	935.16	985.29	1021.35	1024.95	921.36
2.892946	2.923593	2.913409	2.922375	2.93241	2.901562	2.911789	2.87925
1008	960	1056	960	1008	1056	1056	960
3	3	3	3	3	3	3	3
	0.51	10.74	4.17	0.39	0.21	3.09	1.14
	3.62651	7.398099	18.495249	3.699049	7.398099	3.699049	7.398099
	3.62651	7.398099	18.495249	3.699049	7.398099	3.699049	7.398099
	184.952033	3972.77967	1542.50384	144.262948	77.680049	1143.00644	421.691696
	199.06302	5116.85931	1806.32694	165.446454	79.892338	1405.90904	467.034194
	14.110987	1144.07965	263.823106	21.183505	2.212289	262.902595	45.342497
	199.06302	5116.85931	1806.32694	165.446454	79.892338	1405.90904	467.034194
	0.17	3.58	1.39	0.13	0.07	1.03	0.38
	119.674845	3583.09229	1526.61993	144.262948	77.680049	1054.22924	356.286332
	128.406365	4555.23955	1788.80485	165.446454	79.892338	1289.43717	390.342059
	0.03	0.059856	0.149691	0.03	0.06	0.03	0.057562
	0.33	9.68652	4.127059	0.39	0.21	2.85	0.963183
		369.904996	369.904996				369.904996
		3.699049	3.699049				3.699049

	0.51	10.74	4.17	0.39	0.21	3.09	1.14
	0.001593	0.030511	0.013031	0.00116	0.000596	0.008778	0.003562
	14.110987	1144.07965	263.823106	21.183505	2.212289	262.902595	45.342497
	14.110987	1144.07965	263.823106	21.183505	2.212289	262.902595	45.342497
	0.18	1.053479	0.04294			0.24	0.176816
	65.277188	389.687376	15.883904			88.777199	65.405363
			0.19			0.06	
	-14.110987	-1144.0796	-263.82311	-21.183505	-2.212289	-262.9026	-45.342497
	-142.51735	-5699.3192	-2052.628	-186.62996	-82.104627	-1552.3398	-435.68456
	57.4458	1145.0331	436.6912	38.2527	18.5203	257.885	117.6217
	0.12	0.38	0.54	0.07	0.03	0.15	0.15
	184.952033	3972.77967	1542.50384	144.262948	77.680049	1143.00644	421.691696
	184.952033	3972.77967	1542.50384	144.262948	77.680049	1143.00644	421.691696
	184.952033	3972.77967	1542.50384	144.262948	77.680049	1143.00644	421.691696
	0.51	10.74	4.17	0.39	0.21	3.09	1.14
	184.952033	3972.77967	1542.50384	144.262948	77.680049	1143.00644	421.691696
3.826992	2.833778	5.681951	7.254953	5.687546	4.405513	4.294902	5.700664
0.065761	0.045423	0.141055	0.129518	0.107838	0.092037	0.142429	0.114747
0.064517	0.042412	0.138687	0.123631	0.10338	0.090193	0.140096	0.111743
13422.3268	30745.8137	72124.0156	52952.9624	15557.8122	6757.88689	16219.1553	33057.8433
47.861372	92.829439	221.908531	167.165599	53.984248	26.267333	64.885458	103.445881
1083.9	678.6	2440.9	1978.1	1736.8	1587.4	2465.7	1787.9
0.032842	0.032562	0.033906	0.030375	0.030967	0.030482	0.028622	0.030546
15522.3	9785.4	35198.9	28546.9	25005.2	22883	35591.7	25762.3
95373.2276	68518.3282	222174.515	180070.552	147149.533	127222.583	179300.518	131313.848
1.598274	1.33178	2.160406	2.735087	2.192578	1.679625	1.506046	2.002343
2212.18853	4361.59657	11233.3653	8062.17938	2709.52926	1218.71225	3277.5453	6424.53823
16228	15444.5	17045.1	15474.1	16239.1	17088.1	17124	15502.7
48.297619	48.264062	48.423579	48.356562	48.330654	48.545738	48.647727	48.445937
16800	16000	17600	16000	16800	17600	17600	16000
50	50	50	50	50	50	50	50
1083.9	678.6	2440.9	1978.1	1736.8	1587.4	2465.7	1787.9
38.472915	28.577012	54.849169	67.737289	54.67716	41.149421	42.420859	54.239304
22.748807	19.0531	30.9509	39.147294	31.421352	24.016739	21.753222	28.892282
95603.6236	68783.5242	223048.737	180616.777	147650.233	127672.432	180184.238	131929.619
124892.351	100105.375	416802.633	321161.68	215047.402	213808.345	338105.265	219739.074
29288.7274	31321.8513	193753.896	140544.903	67397.169	86135.9125	157921.027	87809.4552
124892.351	100105.375	416802.633	321161.68	215047.402	213808.345	338105.265	219739.074
124.27	72.13	243.41	258.7	200.04	142.6	183.55	194.4
82181.2968	38037.7105	150924.722	127663.814	132092.42	120914.545	163965.083	98871.7754
107024.767	53832.0196	286316.546	228671.498	193325.317	202377.215	304250.508	164563.388
5.815428	3.205143	7.720404	10.181077	8.714937	6.941827	6.963147	8.000854
927.487479	372.137919	1649.375	1410.22315	1545.19987	1501.10289	2235.41425	1334.4566
91.810968	104.42424	88.155538	92.687535	89.115783	83.891434	85.218763	82.223043
21.068982	20.811995	33.477034	42.579907	28.420719	18.456115	23.007498	31.151266

1083.9	678.6	2440.9	1978.1	1736.8	1587.4	2465.7	1787.9
3.225892	2.120625	6.934375	6.181562	5.169047	4.509659	7.004829	5.587187
29288.7274	31321.8513	193753.896	140544.903	67397.169	86135.9125	157921.027	87809.4552
29288.7274	31321.8513	193753.896	140544.903	67397.169	86135.9125	157921.027	87809.4552
156.41252	306.46208	791.524996	567.876854	191.600129	86.297107	230.285752	453.443402
13422.3268	30745.8137	72124.0156	52952.9624	15557.8122	6757.88689	16219.1553	33057.8433
15.22	8.9	31.12	27.58	27.35	26.22	38.37	25.97
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1.05	2.87	5.04	4.19	1.21	0.44	1.72	3.07
9794.481	7888.347	27738.9206	21896.4685	17142.1614	14129.8937	21629.7595	18719.1655
0.11	0.22	0.56	0.24	0.29	0.21	0.54	0.39
80.885	142.646	422.65	170.685	197.1	159.713	412.084	293.823
95603.6236	68783.5242	223048.737	180616.777	147650.233	127672.432	180184.238	131929.619
95603.6236	68783.5242	223048.737	180616.777	147650.233	127672.432	180184.238	131929.619
95373.2276	68518.3282	222174.515	180070.552	147149.533	127222.583	179300.518	131313.848
1083.9	678.6	2440.9	1978.1	1736.8	1587.4	2465.7	1787.9
80.885	142.646	422.65	170.685	197.1	159.713	412.084	293.823
95603.6236	68783.5242	223048.737	180616.777	147650.233	127672.432	180184.238	131929.619
149.511	122.55	451.571999	375.539999	303.6	290.135999	471.635999	321.948
			0.09	0.15			
	0.15	0.3	0.75	0.15	0.3	0.15	0.3
	0.000531	0.01017	0.004024	0.000454	0.000198	0.003588	0.001281
	0.000531	0.01017	0.00375	0.000386	0.000198	0.003068	0.001281
	87.036251	490.461744	14.796199			113.545718	57.386054
	0.254725	1.528904	0.04384			0.483686	0.172565
	0.68	14.32	4.8	0.52	0.28	4.32	1.64
0.025119	0.031031	0.024744	0.029375	0.030505	0.024403	0.039005	0.030718
	10.2	214.8	72	7.8	4.2	64.8	24.6
	232.456331	4993.162	1673.68559	181.315938	97.631659	1506.31703	571.842574
	0.241767	0.493206	1.233016	0.246603	0.493206	0.246603	0.493206
	14.14638	303.87756	101.8584	11.03466	5.94174	91.672559	34.80162
1310.24	1240.28	1373.16	1242.4	1303	1373.64	1353.08	1240.68
3.899523	3.875875	3.901022	3.8825	3.877976	3.902386	3.843977	3.877125
1344	1280	1408	1280	1344	1408	1408	1280
4	4	4	4	4	4	4	4
	0.68	14.32	4.8	0.52	0.28	4.32	1.64
	3.62651	7.398099	18.495249	3.699049	7.398099	3.699049	7.398099
	3.62651	7.398099	18.495249	3.699049	7.398099	3.699049	7.398099
	246.602711	5297.03956	1775.54399	192.350598	103.573399	1597.98959	606.644194
	265.417361	6822.47909	2083.14203	220.595272	106.523117	1980.31877	669.828288
	18.814649	1525.43953	307.598043	28.244674	2.949718	382.329186	63.184093
	265.417361	6822.47909	2083.14203	220.595272	106.523117	1980.31877	669.828288
	0.17	3.58	1.2	0.13	0.07	1.08	0.41
	159.56646	4806.57781	1760.74779	192.350598	103.573399	1484.44387	549.25814
	171.208487	6121.38151	2067.5042	220.595272	106.523117	1831.30157	600.495197

	0.04	0.079974	0.2	0.04	0.08	0.039733	0.078381
	0.44	12.994087	4.76	0.52	0.28	4.01304	1.484862
	394.458737	483.386505	391.205108			471.582238	397.404839
	3.944587	9.66773	3.912051			4.715822	7.948096
	0.68	14.32	4.8	0.52	0.28	4.32	1.64
	0.002125	0.040681	0.015	0.001547	0.000795	0.012272	0.005125
	18.814649	1525.43953	307.598043	28.244674	2.949718	382.329186	63.184093
	18.814649	1525.43953	307.598043	28.244674	2.949718	382.329186	63.184093
	0.24	1.325912	0.04			0.306959	0.155137
	87.036251	490.461744	14.796199			113.545718	57.386054
	0.1	3.25	1.16	0.12	0.06	1.01	0.38
	-18.814649	-1525.4395	-307.59804	-28.244674	-2.949718	-382.32919	-63.184093
	-190.02314	-7646.821	-2375.1022	-248.83995	-109.47284	-2213.6308	-663.67929
	0.05	0.31	0.01			0.07	0.03
	57.4458	1145.0331	375.7213	38.2527	18.5203	268.8602	126.249
	0.12	0.38	0.47	0.07	0.03	0.16	0.16
	246.602711	5297.03956	1775.54399	192.350598	103.573399	1597.98959	606.644194
	246.602711	5297.03956	1775.54399	192.350598	103.573399	1597.98959	606.644194
	246.602711	5297.03956	1775.54399	192.350598	103.573399	1597.98959	606.644194
	0.68	14.32	4.8	0.52	0.28	4.32	1.64
	246.602711	5297.03956	1775.54399	192.350598	103.573399	1597.98959	606.644194
10.553791	10.603658	10.42774	10.465698	10.503813	10.54796	10.680453	10.535287
0.522033	0.515793	0.6036	0.573033	0.548642	0.501184	0.439559	0.512395
0.493054	0.484942	0.570896	0.538565	0.515851	0.474598	0.299318	0.485881
322658.253	302814.278	395342.2	339962.274	343402.063	332903.945	211142.024	309326.919
1185.36208	934.372091	1237.14634	1107.08466	1240.0856	1340.39163	872.811333	1098.96561
9708.052	9093.65	11776.006	10099.186	10156.906	9789.644	6174.106	9111.258
0.054255	0.056343	0.05642	0.058437	0.056369	0.056448	0.070227	0.053687
99762.015	93479.3708	119825.284	103159.201	104100.814	100835.441	63778.8233	93783.3944
129610.599	121920.268	162080.343	139166.972	140799.039	136753.83	87054.6556	126827.305
3.1787	3.1787	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387
187422.898	175619.694	226314.013	194836.782	196615.207	190447.897	120459.064	177128.697
18621.322	17695.442	19463.404	17656.18	18579.716	19462.818	14020.05	17745.252
55.420601	55.298256	55.293761	55.175562	55.296773	55.292096	39.829687	55.453912
19689.6	18752	20627.2	18752	19689.6	20627.2	20627.2	18752
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
9708.052	9093.65	11776.006	10099.186	10156.906	9789.644	6174.106	9111.258
38.690106	38.409813	38.035425	38.281005	38.2249	38.934232	41.839634	38.139645
34.129045	34.279795	34.359763	34.48308	34.609144	34.743929	35.171207	34.710567
350391.263	327460.586	422576.368	366986.948	368965.04	360002.291	235248.206	332166.447
504339.915	483666.13	869003.552	713746.061	601280.887	546142.326	394093.295	514635.827
153948.651	156205.543	446427.185	346759.113	232315.847	186140.035	158845.089	182469.38
504339.915	483666.13	869003.552	713746.061	601280.887	546142.326	394093.295	514635.827
317.77	301.97	332.14	301.3	317.06	331.52	239.25	302.82
5.913305				4.757948	73.671794	14.417988	4.724912
9.220485				7.902941	98.64565	21.882129	5.879836

0.158109				0.127921	1.756103	0.393324	0.13
0.158109				0.127921	1.961886	0.393324	0.13
33.388355	34.618572	37.710356	38.485559	33.919651	31.095553	28.605518	31.447413
27.044568	27.694857	27.905663	29.249024	28.831704	24.253648	18.57858	23.58556
9708.052	9093.65	11776.006	10099.186	10156.906	9789.644	6174.106	9111.258
28.893011	28.417656	33.454562	31.559956	30.228886	27.811488	17.540073	28.472681
101803.046	107343.876	383794.509	292837.799	177902.352	133433.35	125507.898	133448.8
101803.046	107343.876	383794.509	292837.799	177902.352	133433.35	125507.898	133448.8
9707.89389	9093.65	11776.006	10099.186	10156.7781	9787.68211	6173.71268	9111.128
322658.253	302814.278	395342.2	339962.274	343402.063	332903.945	211142.024	309326.919
0.02					0.04		
-153948.65	-156205.54	-446427.18	-346759.11	-232315.85	-186140.03	-158845.09	-182469.38
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16.53	16.92	13.89	14.94	15.04	14.29	9.07	15.46
						0.272727	
78129.4537	87865.6903	95249.3332	83334.0014	79652.2151	74825.0918	48038.7875	77100.1019
1.35	1.2	1.3	1.29	1.22	1.29	1.15	1.09
27727.0965	24646.308	27234.168	27024.6744	25558.2192	27024.6744	24091.764	22834.8024
402536.869	376322.254	485209.043	420908.262	423378.535	412708.976	268585.397	381187.027
402536.869	376322.254	485209.043	420908.262	423378.535	412708.976	268585.397	381187.027
317033.497	297539.961	388394.356	334003.754	337414.246	327201.727	207513.719	303956.002
9708.052	9093.65	11776.006	10099.186	10156.906	9789.644	6174.106	9111.258
27727.0965	24646.308	27234.168	27024.6744	25558.2192	27024.6744	24091.764	22834.8024
402536.869	376322.254	485209.043	420908.262	423378.535	412708.976	268585.397	381187.027
5630.67016	5274.317	6947.84354	5958.51974	5992.57454	5775.88996	3642.72254	5375.64222
					0.12	0.02	0.01
3.6	1.95	5.25	6.75	4.65	3.45	4.2	5.25
0.059661	0.041174	0.134255	0.12326	0.100307	0.085253	0.135944	0.107104
0.05863	0.041156	0.132556	0.118937	0.09616	0.082556	0.130142	0.103968
2136.98859	6297.2191	11689.1874	9842.92306	2317.37442	896.142667	3100.89884	5616.45576
7.588624	19.077809	36.015819	31.129991	7.979454	3.42217	12.335658	17.334283
275.8	184.38	653.24	532.84	452.34	406.84	641.34	465.78
0.02375	0.022625	0.026477	0.032625	0.043422	0.032272	0.032727	0.021343
4137	2765.7	9798.6	7992.6	6785.1	6102.6	9620.1	6986.7
25420.2848	19613.3095	61939.6816	50237.8013	39716.1381	33844.8853	48345.9004	35814.8622
1.418342	0.873078	1.905387	2.410093	1.735695	1.26273	1.408422	1.766613
355.598699	867.652471	1841.81038	1533.17372	410.242421	160.845007	625.019091	1074.69731
4592.28	4378.64	4797.52	4333.84	4499.74	4768.96	4766.72	4384.38
13.6675	13.68325	13.629318	13.54325	13.392083	13.548181	13.541818	13.701187
4704	4480	4928	4480	4704	4928	4928	4480
14	14	14	14	14	14	14	14
275.8	184.38	653.24	532.84	452.34	406.84	641.34	465.78
21.316202	13.295719	29.07813	36.342601	26.248478	19.142991	21.456016	26.993533
21.316202	13.295719	29.07813	36.342601	26.248478	19.142991	21.456016	26.993533
25462.2848	19665.8095	62223.1816	50321.8013	39863.1381	33939.3853	48681.9004	36003.8622
32878.1575	28600.4032	115595.937	88421.6075	57237.1392	56564.7537	90222.2259	59317.5036

7415.87269	8934.59365	53372.7549	38099.8063	17374.0011	22625.3684	41540.3254	23313.6414
32878.1575	28600.4032	115595.937	88421.6075	57237.1392	56564.7537	90222.2259	59317.5036
73.33	42.45	110.8	123.57	101.11	70.82	104.55	108.98
23325.2962	13368.5904	50533.9943	40478.8782	37545.7636	33043.2426	45581.0016	30387.4065
30074.8014	19064.3299	94432.0133	71532.5868	54139.3891	55115.8217	83782.3531	50414.0437
3.296839	1.563506	4.728688	5.918821	4.270171	3.200509	3.877977	4.595631
252.09342	126.536501	530.452641	430.628418	424.990505	396.116999	599.67206	394.133512
91.395342	107.365883	92.214368	95.999748	94.026078	95.960928	77.489987	83.329201
14.623254	13.957564	26.598558	35.519907	20.563155	11.515311	16.272897	25.832052
275.8	184.38	653.24	532.84	452.34	406.84	641.34	465.78
0.820833	0.576187	1.855795	1.665125	1.34625	1.155795	1.821988	1.455562
7415.87269	8934.59365	53372.7549	38099.8063	17374.0011	22625.3684	41540.3254	23313.6414
7415.87269	8934.59365	53372.7549	38099.8063	17374.0011	22625.3684	41540.3254	23313.6414
23.706579	57.843498	122.787358	102.211581	27.349494	10.723	41.667939	71.646487
2136.98859	6297.2191	11689.1874	9842.92306	2317.37442	896.142667	3100.89884	5616.45576
7.65	2.49	10.57	8.82	9.66	7.58	11.31	7.98
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-37490.674	-27998.924	-147804.77	-109632.39	-71513.39	-77741.19	-125322.68	-73727.685
0.57	1.16	2.03	1.8	0.69	0.21	0.47	1.58
5400.3704	4311.2972	14937.5947	11786.1939	9114.7084	7309.9119	11217.1677	9905.9649
0.04	0.05	0.27	0.08	0.14	0.09	0.32	0.18
42	52.5	283.5	84	147	94.5	336	189
25462.2848	19665.8095	62223.1816	50321.8013	39863.1381	33939.3853	48681.9004	36003.8622
25462.2848	19665.8095	62223.1816	50321.8013	39863.1381	33939.3853	48681.9004	36003.8622
25420.2848	19613.3095	61939.6816	50237.8013	39716.1381	33844.8853	48345.9004	35814.8622
275.8	184.38	653.24	532.84	452.34	406.84	641.34	465.78
42	52.5	283.5	84	147	94.5	336	189
25462.2848	19665.8095	62223.1816	50321.8013	39863.1381	33939.3853	48681.9004	36003.8622
			0.02	0.04			

11.110856	11.120471	11.035878	11.073877	11.098533	11.140709	11.261838	11.134478
0.392742	0.375772	0.460254	0.438583	0.417695	0.387923	0.374553	0.405046
0.376299	0.356641	0.443658	0.419721	0.401895	0.372909	0.329919	0.390193
1486000.6	1491448.39	2030460.6	1725537.01	1582254.48	1418994.25	1324540.73	1528304.85
5450.83874	4592.60699	6344.17462	5603.21381	5695.33236	5700.99803	5470.71174	5388.60654
46414.88	41895.39	57329.194	49305.47	49572.084	48187.098	42631.926	45836.804
0.03649	0.034045	0.03354	0.035176	0.034686	0.035302	0.036035	0.034781
505962.416	456005.754	623498.583	537464.705	540976.054	528821.216	471518.208	502791.971
875881.125	767067.585	1315160.65	1106432.59	1032120.69	961079.66	963802.321	925707.321
3.143643	3.139803	3.335709	3.325641	3.247795	3.186372	3.273102	3.193997
777293.838	724139.971	910739.09	789395.434	805128.983	797091.569	673701.294	740711.942
12772.7978	20982.9069	46283.9318	35327.0573	16789.2769	6616.31474	19886.0175	27129.7622
118327.282	111750.232	124520.519	112732.615	118680.266	124286.013	113793.165	113143.727
352.164529	349.219475	353.751474	352.289421	353.215077	353.085264	323.276036	353.574146
123345.6	117472	129219.2	117472	123345.6	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46414.88	41895.39	57329.194	49305.47	49572.084	48187.098	42631.926	45836.804

188.907207	186.69229	251.620844	320.92642	235.833667	229.55073	219.235223	246.879407
36.454455	36.401316	38.499689	38.486769	37.671598	37.080593	38.642177	37.217165
1774745.15	1597808.86	2374997.88	2030517.03	1968092	1885689.88	1764133.41	1786990.4
2456395.88	2278394.73	4673218.49	3802073.75	3065084.78	2804837.07	2928181.63	2712428.7
681650.725	680585.866	2298220.61	1771556.72	1096992.79	919147.191	1164048.22	925438.292
2456395.88	2278394.73	4673218.49	3802073.75	3065084.78	2804837.07	2928181.63	2712428.7
1254.8	1098.89	1600.25	1514.18	1442.46	1389.15	1206.89	1370.79
248804.427	70130.0634	305593.852	264566.44	348612.194	426846.293	404756.442	224736.825
352742.966	99976.2254	569702.739	472025.405	538937.67	749153.814	786217.268	375190.148
6.455089	1.490389	3.371615	4.770307	5.142752	6.50666	4.313254	4.612599
3792.20702	744.832958	3283.07205	3126.92569	5166.55256	7652.03161	6500.13757	3480.30908
36.935167	40.882377	48.169211	48.303677	40.931284	35.485072	33.353071	41.37593
36.913988	40.858694	48.092049	48.287902	40.850587	35.44425	33.33691	41.331566
46414.88	41895.39	57329.194	49305.47	49572.084	48187.098	42631.926	45836.804
138.139523	130.923093	162.867028	154.079593	147.535964	136.895164	121.113426	143.240012
440838.199	458214.931	2018843.18	1528873.46	848669.026	672979.071	962101.846	696342.12
440838.199	458214.931	2018843.18	1528873.46	848669.026	672979.071	962101.846	696342.12
42622.673	41150.557	54046.1219	46178.5443	44405.5314	40535.0664	36131.7884	42356.4949
1486000.6	1491448.39	2030460.6	1725537.01	1582254.48	1418994.25	1324540.73	1528304.85
57.65	17.8	58.34	54.28	70.79	72.98	76.25	51.79
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263.59	301.19	292.2	261.17	247.74	241.1	260.89	258.1
	0.00909					0.057851	
274390.007	292622.908	376295.15	320138.05	296373.338	271668.212	227892.264	291170.994
3.9	4.1	5.53	5.58	4.15	4.08	4.67	4.39
40309.9123	36712.112	39878.9008	40904.1434	37831.7953	40318.3482	35901.6745	34748.0531
2015557.68	1820179.8	2654375.31	2273200.29	2216415.76	2131858	1966079.79	2016086.58
2015557.68	1820179.8	2654375.31	2273200.29	2216415.76	2131858	1966079.79	2016086.58
1653174.96	1491207.56	2225899.74	1895828.02	1837249.68	1758171.23	1637503.61	1666419.26
46414.88	41895.39	57329.194	49305.47	49572.084	48187.098	42631.926	45836.804
40309.9123	36712.112	39878.9008	40904.1434	37831.7953	40318.3482	35901.6745	34748.0531
2015557.68	1820179.8	2654375.31	2273200.29	2216415.76	2131858	1966079.79	2016086.58
81260.2782	69889.1956	109219.239	93784.8658	93010.5248	87200.3037	90728.1241	85823.0877
14.43	0.38	1.14	4.26	17.28	37.76	13.5	10.05

3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
665442.393	1166927.49	1001371.93	828509.143	598983.804	453102.145	453835.068	707289.821
2425.59734	3574.7534	3108.54768	2679.22829	2150.22434	1819.70692	1876.41198	2463.76984
-91534.095	-103832.88	-112661.47	-98339.093	-93043.05	-87439.68	-85071.952	-90083.215
91534.0948	103832.877	112661.474	98339.0928	93043.0499	87439.6798	85071.9521	90083.2153
665442.393	1166927.49	1001371.93	828509.143	598983.804	453102.145	453835.068	707289.821
262.69	301.49	291.66	260.43	246.84	240.21	261.45	257.24
194.75661	244.288139	221.553913	219.411447	190.755922	163.286218	170.701151	219.894759
99.736934	140.719194	113.078166	112.751939	94.763318	83.614628	90.526775	107.611758
29572.1819	43918.1826	37045.6433	32855.9143	27141.3979	22945.3833	27542.7947	30993.1989

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-272.4229	-324.47774	-320.06101	-307.30967	-276.91384	-248.40818	-241.68168	-281.51005
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-38.543366	-39.356394	-56.33529	-52.683205	-43.609711	-39.492208	-40.836973	-41.275452
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3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
4190221.59	5251852.61	7339483.3	6002397.35	4655221.37	3906210.63	3931911.09	4425022.24
91534.0948	103832.877	112661.474	98339.0928	93043.0499	87439.6798	85071.9521	90083.2153
3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42

3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
665442.393	1166927.49	1001371.93	828509.143	598983.804	453102.145	453835.068	707289.821
2425.59734	3574.7534	3108.54768	2679.22829	2150.22434	1819.70692	1876.41198	2463.76984
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91534.0948	103832.877	112661.474	98339.0928	93043.0499	87439.6798	85071.9521	90083.2153
665442.393	1166927.49	1001371.93	828509.143	598983.804	453102.145	453835.068	707289.821
262.69	301.49	291.66	260.43	246.84	240.21	261.45	257.24
194.75661	244.288139	221.553913	219.411447	190.755922	163.286218	170.701151	219.894759
99.736934	140.719194	113.078166	112.751939	94.763318	83.614628	90.526775	107.611758
29572.1819	43918.1826	37045.6433	32855.9143	27141.3979	22945.3833	27542.7947	30993.1989
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3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
4190221.59	5251852.61	7339483.3	6002397.35	4655221.37	3906210.63	3931911.09	4425022.24
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3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42

294227.535	284813.766	337234.653	318949.968	333027.582	376500.812	347022.837	254477.008
1084.08997	880.968425	1056.73992	1041.58974	1208.02217	1520.32146	1439.98799	919.500678
6445.29102	6239.07484	7107.15812	6721.81175	7018.49488	7934.68519	7313.44229	5363.05601
247878.803	243983.431	400920.563	351246.405	302432.71	310805.943	297725.066	215030.97
6445.29102	6239.07484	7107.15812	6721.81175	7018.49488	7934.68519	7313.44229	5363.05601
19.182413	19.497108	20.19079	21.005661	20.888377	22.541719	20.776824	16.75955
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46348.7325	40830.3354	-63685.91	-32296.438	30594.8716	65694.8691	49297.7704	39446.0378
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91534.0948	103832.877	112661.474	98339.0928	93043.0499	87439.6798	85071.9521	90083.2153
294227.535	284813.766	337234.653	318949.968	333027.582	376500.812	347022.837	254477.008
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6445.29102	6239.07484	7107.15812	6721.81175	7018.49488	7934.68519	7313.44229	5363.05601
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294227.535	284813.766	337234.653	318949.968	333027.582	376500.812	347022.837	254477.008
6445.29102	6239.07484	7107.15812	6721.81175	7018.49488	7934.68519	7313.44229	5363.05601
247878.803	243983.431	400920.563	351246.405	302432.71	310805.943	297725.066	215030.97
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282525.681	273403.227	322590.865	305149.947	318548.738	360461.071	332050.344	242956.859
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278498.782	273998.296	450454.355	394698.999	339746.965	349522.4	334550.015	240972.692
33.015291	32.732365	31.48978	27.933267	35.648773	8.424681	31.000543	36.461168
1.980917	2.291265	0.944693	1.11733	1.42595	0.084246	4.03007	0.364611
7240.53515	7006.74595	7984.92239	7553.2165	7884.86975	8922.30373	8219.06793	6013.78365
21.549211	21.896081	22.684438	23.603801	23.466874	25.347453	23.349624	18.793073
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7240.53515	7006.74595	7984.92239	7553.2165	7884.86975	8922.30373	8219.06793	6013.78365
282525.681	273403.227	322590.865	305149.947	318548.738	360461.071	332050.344	242956.859
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282525.681	273403.227	322590.865	305149.947	318548.738	360461.071	332050.344	242956.859
7240.53515	7006.74595	7984.92239	7553.2165	7884.86975	8922.30373	8219.06793	6013.78365
282525.681	273403.227	322590.865	305149.947	318548.738	360461.071	332050.344	242956.859
282525.681	273403.227	322590.865	305149.947	318548.738	360461.071	332050.344	242956.859
7240.53515	7006.74595	7984.92239	7553.2165	7884.86975	8922.30373	8219.06793	6013.78365
278498.782	273998.296	450454.355	394698.999	339746.965	349522.4	334550.015	240972.692
-4026.8995	595.068858	127863.49	89549.0521	21198.2272	-10938.671	2499.67095	-1984.1678
282525.681	273403.227	322590.865	305149.947	318548.738	360461.071	332050.344	242956.859
124227.462	142657.907	161948.893	137542.418	161740.127	170533.837	148415.958	150982.313
457.743598	441.342589	507.247149	449.079275	587.288956	690.236495	616.131053	545.627187
2424.89679	2784.65562	3161.21205	2684.80222	3157.13697	3328.78854	2897.05169	2947.14646
94561.406	107976.509	180450.703	139926.756	133898.664	128277.311	120923.676	116777.93
2424.89679	2784.65562	3161.21205	2684.80222	3157.13697	3328.78854	2897.05169	2947.14646

7.216954	8.702048	8.980716	8.390006	9.39624	9.456785	8.23026	9.209832
-29666.056	-34681.399	18501.81	2384.33801	-27841.463	-42256.526	-27492.282	-34204.383
-29666.056	-34681.399	18501.81	2384.33801	-27841.463	-42256.526	-27492.282	-34204.383
2424.89679	2784.65562	3161.21205	2684.80222	3157.13697	3328.78854	2897.05169	2947.14646
124227.462	142657.907	161948.893	137542.418	161740.127	170533.837	148415.958	150982.313
29666.0564	34681.3987	-18501.81	-2384.338	27841.4632	42256.526	27492.2823	34204.3828
29666.0564	34681.3987	-18501.81	-2384.338	27841.4632	42256.526	27492.2823	34204.3828
91534.0948	103832.877	112661.474	98339.0928	91308.2667	84694.7148	85071.9521	90083.2153
124227.462	142657.907	161948.893	137542.418	161740.127	170533.837	148415.958	150982.313
124227.462	142657.907	161948.893	137542.418	161740.127	170533.837	148415.958	150982.313
2424.89679	2784.65562	3161.21205	2684.80222	3157.13697	3328.78854	2897.05169	2947.14646
124227.462	142657.907	161948.893	137542.418	161740.127	170533.837	148415.958	150982.313
124227.462	142657.907	161948.893	137542.418	161740.127	170533.837	148415.958	150982.313
2424.89679	2784.65562	3161.21205	2684.80222	3157.13697	3328.78854	2897.05169	2947.14646
94561.406	107976.509	180450.703	139926.756	133898.664	128277.311	120923.676	116777.93
-29666.056	-34681.399	18501.81	2384.33801	-27841.463	-42256.526	-27492.282	-34204.383
124227.462	142657.907	161948.893	137542.418	161740.127	170533.837	148415.958	150982.313

274553.085	232470.537	289091.99	204396.54	299482.908	328931.865	258703.737	210039.195
1012.90225	721.896543	909.764233	670.742831	1085.73177	1329.21857	1074.21064	762.567367
3228.51699	2733.66107	3316.41609	2344.80371	3435.61899	3773.45262	2967.80701	2409.53533
126215.327	106117.583	191632.676	121044.059	146004.32	146375.341	122844.528	92196.6585
3228.51699	2733.66107	3316.41609	2344.80371	3435.61899	3773.45262	2967.80701	2409.53533
9.608681	8.54269	9.421636	7.327511	10.225056	10.720035	8.431269	7.529797
-148337.76	-126352.95	-97459.315	-83352.481	-153478.59	-182556.52	-135859.21	-117842.54
-148337.76	-126352.95	-97459.315	-83352.481	-153478.59	-182556.52	-135859.21	-117842.54
3228.51699	2733.66107	3316.41609	2344.80371	3435.61899	3773.45262	2967.80701	2409.53533
274553.085	232470.537	289091.99	204396.54	299482.908	328931.865	258703.737	210039.195
148337.758	126352.954	97459.3149	83352.4808	153478.588	182556.524	135859.209	117842.536
148337.758	126352.954	97459.3149	83352.4808	153478.588	182556.524	135859.209	117842.536
91534.0948	103832.877	110681.727	94568.6754	93043.0499	87439.6798	84866.6773	89671.3246
274553.085	232470.537	289091.99	204396.54	299482.908	328931.865	258703.737	210039.195
274553.085	232470.537	289091.99	204396.54	299482.908	328931.865	258703.737	210039.195
3228.51699	2733.66107	3316.41609	2344.80371	3435.61899	3773.45262	2967.80701	2409.53533
274553.085	232470.537	289091.99	204396.54	299482.908	328931.865	258703.737	210039.195
274553.085	232470.537	289091.99	204396.54	299482.908	328931.865	258703.737	210039.195
3228.51699	2733.66107	3316.41609	2344.80371	3435.61899	3773.45262	2967.80701	2409.53533
126215.327	106117.583	191632.676	121044.059	146004.32	146375.341	122844.528	92196.6585
-148337.76	-126352.95	-97459.315	-83352.481	-153478.59	-182556.52	-135859.21	-117842.54
274553.085	232470.537	289091.99	204396.54	299482.908	328931.865	258703.737	210039.195

975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375
3595.71779	2889.90641	3484.61054	3157.92256	4036.54249	4995.31015	4508.18345	3105.63367
19339.24	18764.1375	21569.7086	19304.6342	21496.1206	23959.2301	21397.3689	16733.5214
747154.318	732075.818	1223458.3	1006916.22	922082.659	934980.995	876043.286	664978.25
33.015291	32.732365	31.48978	27.933267	35.648773	8.424681	31.000543	36.461168
1.980917	2.291265	0.944693	1.11733	1.42595	0.084246	4.03007	0.364611

19339.24	18764.1375	21569.7086	19304.6342	21496.1206	23959.2301	21397.3689	16733.5214
57.557261	58.637929	61.277581	60.326981	63.976549	68.065994	60.787979	52.292254
-228379.45	-201269.62	112591.895	40877.347	-190716.7	-301446.59	-210149.59	-193477.12
-228379.45	-201269.62	112591.895	40877.347	-190716.7	-301446.59	-210149.59	-193477.12
19339.24	18764.1375	21569.7086	19304.6342	21496.1206	23959.2301	21397.3689	16733.5214
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375
228379.446	201269.62	-112591.9	-40877.347	190716.696	301446.59	210149.591	193477.125
228379.446	201269.62	-112591.9	-40877.347	190716.696	301446.59	210149.591	193477.125
0.33	0.63	0.32	0.29	0.19	0.16	1.36	0.06
366136.379	415331.508	448666.148	389585.954	370437.416	347013.754	340082.534	359920.971
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375
19339.24	18764.1375	21569.7086	19304.6342	21496.1206	23959.2301	21397.3689	16733.5214
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375
19339.24	18764.1375	21569.7086	19304.6342	21496.1206	23959.2301	21397.3689	16733.5214
747154.318	732075.818	1223458.3	1006916.22	922082.659	934980.995	876043.286	664978.25
-228379.45	-201269.62	112591.895	40877.347	-190716.7	-301446.59	-210149.59	-193477.12
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375

11.110856	11.120471	11.035878	11.073877	11.098533	11.140709	11.261838	11.134478
0.392742	0.375772	0.460254	0.438583	0.417695	0.387923	0.374553	0.405046
0.376299	0.356641	0.443658	0.419721	0.401895	0.372909	0.329919	0.390193
3524779.2	4084925.12	6338111.37	5173888.21	4056237.57	3453108.49	3478076.03	3717732.42
3126976.76	3591721.32	4142698.94	3520085.02	3294037.64	3108523.98	2864568.68	3094050.04
11472.1539	11057.2668	12937.3328	11440.3647	11882.0992	12516.0151	11855.3072	10958.0101
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3344449.34	3185189.85	3573783.01	3248893.65	3411338.33	3573783.01	3573783.01	3248893.65
0.03649	0.034045	0.03354	0.035176	0.034686	0.035302	0.036035	0.034781
505962.416	456005.754	623498.583	537464.705	540976.054	528821.216	471518.208	502791.971
875881.125	767067.585	1315160.65	1106432.59	1032120.69	961079.66	963802.321	925707.321
3.143643	3.139803	3.335709	3.325641	3.247795	3.186372	3.273102	3.193997
777293.838	724139.971	910739.09	789395.434	805128.983	797091.569	673701.294	740711.942
12772.7978	20982.9069	46283.9318	35327.0573	16789.2769	6616.31474	19886.0175	27129.7622
118327.282	111750.232	124520.519	112732.615	118680.266	124286.013	113793.165	113143.727
352.164529	349.219475	353.751474	352.289421	353.215077	353.085264	323.276036	353.574146
123345.6	117472	129219.2	117472	123345.6	129219.2	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
46414.88	41895.39	57329.194	49305.47	49572.084	48187.098	42631.926	45836.804
188.907207	186.69229	251.620844	320.92642	235.833667	229.55073	219.235223	246.879407
36.454455	36.401316	38.499689	38.486769	37.671598	37.080593	38.642177	37.217165
1774745.15	1597808.86	2374997.88	2030517.03	1968092	1885689.88	1764133.41	1786990.4
2456395.88	2278394.73	4673218.49	3802073.75	3065084.78	2804837.07	2928181.63	2712428.7
91534.0948	103832.877	112661.474	98339.0928	93043.0499	87439.6798	85071.9521	90083.2153
681650.725	680585.866	2298220.61	1771556.72	1096992.79	919147.191	1164048.22	925438.292

3203550.2	3010470.55	5896676.79	4808989.97	3987167.44	3739818.07	3804224.92	3377406.95
1254.8	1098.89	1600.25	1514.18	1442.46	1389.15	1206.89	1370.79
248804.427	70130.0634	305593.852	264566.44	348612.194	426846.293	404756.442	224736.825
30.045577	30.630705	42.061653	39.511706	33.329827	30.673287	31.549622	31.333849
665442.393	1166927.49	1001371.93	828509.143	598983.804	453102.145	453835.068	707289.821
262.69	301.49	291.66	260.43	246.84	240.21	261.45	257.24
194.75661	244.288139	221.553913	219.411447	190.755922	163.286218	170.701151	219.894759
8.311411	8.794949	7.067385	7.046996	5.922707	5.225914	5.657923	6.725734
29,572	43,918	37,046	32,856	27,141	22,945	27,543	30,993
352742.966	99976.2254	569702.739	472025.405	538937.67	749153.814	786217.268	375190.148
3.765469	1.024642	2.317985	3.279586	3.535642	4.473328	2.965362	3.171161
3,792	745	3,283	3,127	5,167	7,652	6,500	3,480
36.853596	40.848367	48.131435	48.324282	40.880777	35.464056	33.266072	41.340965
36.832503	40.824767	48.054273	48.308507	40.800136	35.423241	33.250519	41.296606
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-72.73342	-67.551746	-69.074376	-69.695676	-73.198948	-76.131987	-74.06308	-71.782991
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61961.9129	59914.6945	75615.8306	65483.1785	65901.652	64494.2965	57529.1574	59090.0164
2461534.37	2424793.83	3141327.01	2691575.88	2695053.83	2655421.84	2410733.61	2386760.22
6415957.26	6790798.72	7501081.87	6610347.79	6561299.81	6409190.89	6097960.41	6234664.9
6728656.69	7857749.99	7932751.07	6966831.53	6621345.94	6113139.23	5765578.21	6566764.57
	0.00909					0.057851	
732060.481	811787.293	937622.773	808063.096	759853.805	706121.646	653046.75	741175.18
3.9	4.1	5.53	5.58	4.15	4.08	4.67	4.39
40309.9123	36712.112	39878.9008	40904.1434	37831.7953	40318.3482	35901.6745	34748.0531
9860319.98	10023640.2	13677136.1	11662021	10796791	10395177.1	10104131.7	9841168.02
6515870.64	6838450.36	10103353.1	8413127.37	7385452.68	6821394.07	6530348.69	6592274.37
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65754.12	60659.5275	78898.9026	68610.1042	71068.2046	72146.3281	64029.2949	62570.3254
40309.9123	36712.112	39878.9008	40904.1434	37831.7953	40318.3482	35901.6745	34748.0531
6515870.64	6838450.36	10103353.1	8413127.37	7385452.68	6821394.07	6530348.69	6592274.37
81260.2782	69889.1956	109219.239	93784.8658	93010.5248	87200.3037	90728.1241	85823.0877
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375
19339.24	18764.1375	21569.7086	19304.6342	21496.1206	23959.2301	21397.3689	16733.5214
747154.318	732075.818	1223458.3	1006916.22	922082.659	934980.995	876043.286	664978.25
-228379.45	-201269.62	112591.895	40877.347	-190716.7	-301446.59	-210149.59	-193477.12
975533.764	933345.438	1110866.4	966038.872	1112799.35	1236427.59	1086192.88	858455.375

2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02
3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
-3573783	-3573783	-3248893.6	-3736227.7	-3248893.6	-3411338.3	-3645258.7	-3313871.5
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3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
50.913083	46.283543	39.019943	39.259403	39.099763	39.897953	57.7073	53.77685
25.228441	25.228404	25.228385	25.228404	25.22846	25.228497	25.733008	25.732972
50.788221	46.158681	38.895081	39.134541	38.974901	39.773091	57.582796	53.652346
50.884269	46.254729	38.991129	39.230589	39.070949	39.869139	57.678568	53.748118
50.163909	45.534368	38.270768	38.510229	38.350588	39.148779	56.960279	53.029829
50.442448	45.812908	38.549308	38.788768	38.629128	39.427318	57.238017	53.307567
50.865059	46.235519	38.971919	39.211379	39.051739	39.849929	57.659414	53.728964
50.903478	46.273938	39.010338	39.249798	39.090158	39.888348	57.697723	53.767272
23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.710545	23.710545
1.35	1.35	1.35	1.35	1.35	1.35	1.4	1.4
50.60573	45.97619	38.71259	38.95205	38.79241	39.5906	57.40083	53.47038
4.924915	4.933082	4.948988	5.062639	5.917889	6.693751	6.76014	6.808141
38.359599	35.273916	30.43284	30.601953	30.566801	31.163586	43.127385	40.511082
38.359599	35.273916	30.43284	30.601953	30.566801	31.163586	43.127385	40.511082

0.13894	0.27788	0.97258	0.13894			0.41682	0.55576
0.003956	0.002338	0.010651	0.000966			0.012297	0.009009
0.003484	0.001944	0.010638	0.000966			0.012297	0.00825
2902.8435	775.58004	2073.08113				4296.99027	857.766282
8.128742	2.319686	6.756854				13.206221	2.541701
27.6	15.4	76.6	8			97.4	59.4
0.024744	0.035227	0.035	0.02519	0.030812	0.032083	0.024062	0.03025
383.4744	213.9676	1064.2804	111.152			1353.2756	825.303599
8914.10522	4973.81233	24739.8717	2583.79861			32086.9031	19568.3988
0.246603	0.493206	1.726223	0.246603			0.754603	1.006137
542.501233	302.699963	1505.63748	157.246734			1952.64136	1190.83056
7724.025	7641	6948	8071.425	6978.15	7317.45	7729.425	6982.2
21.943252	21.707386	21.7125	21.93322	21.806718	21.778125	21.958593	21.819375
7920	7920	7200	8280	7200	7560	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
27.6	15.4	76.6	8			97.4	59.4
3.447143	7.025179	24.578987	3.452679			10.538555	14.202228
3.447143	7.025179	24.578987	3.452679			10.538555	14.202228
9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
15719.3129	6763.01172	37112.1208	3275.63465			40593.3109	28532.6223
6205.1977	1434.55623	10691.7308	513.490898			6390.0288	7660.95531
15719.3129	6763.01172	37112.1208	3275.63465			40593.3109	28532.6223
3.03	2.79	13.22	0.62			9.79	8.32
6611.27175	4552.87545	24347.3089	2762.14375			29906.2918	20013.9007
10658.3	5799.30816	34265.6714	3275.63465			35432.9581	27456.0049
0.18277	0.396078	1.296537	0.2			0.584783	0.793277
19.19093	13.145083	70.659093	8			85.151999	56.962223
345.410653	354.437501	364.97897				354.695305	362.257398
3.454106	7.08875	21.275662				10.640859	10.646828
27.6	15.4	76.6	8			97.4	59.4
0.078409	0.04375	0.239375	0.021739			0.276704	0.185625
6205.1977	1434.55623	10691.7308	513.490898			6390.0288	7660.95531
6205.1977	1434.55623	10691.7308	513.490898			6390.0288	7660.95531
8.409069	2.254916	5.940906				12.248	2.437776
2902.8435	775.58004	2073.08113				4296.99027	857.766282
0.12	0.09	0.64	0.07			1.4	0.53
-6205.1977	-1434.5562	-10691.731	-513.4909			-6390.0288	-7660.9553
-16863.498	-7233.8644	-44957.402	-3789.1255			-41822.987	-35116.96
0.03	0.02	0.03				0.13	0.02
468.7377	251.6677	1078.843	109.3471			1576.1137	932.8939
0.02	0.03	0.07	0.01			0.03	0.03
21.0768	31.6152	73.7688	10.5384			32.2476	32.2476
9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
9456.60645	5276.5123	26245.5092	2741.04535			34039.5445	20759.2294

27.6	15.4	76.6	8			97.4	59.4
21.0768	31.6152	73.7688	10.5384			32.2476	32.2476
9514.11525	5328.4555	26420.39	2762.14375			34203.2821	20871.667
36.432	20.328	101.112	10.56			131.49	80.19
6.31073	5.46302	2.63732	4.52112	3.10827	2.54313	4.615309	4.89788
0.277059	0.253001	0.173771	0.178637	0.137094	0.123676	0.239625	0.215355
0.268806	0.245994	0.168218	0.175	0.133937	0.122321	0.234034	0.210093
304544.034	260721.081	81023.5937	61943.6962	67675.9502	160750.396	269951.267	203188.749
884.5998	798.801985	289.078082	237.14121	238.133162	479.215986	825.721819	641.49651
5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34
0.032471	0.030795	0.033468	0.030597	0.036125	0.025476	0.021875	0.031531
51691.0952	47304.2902	29407.4367	35181.8488	23414.5037	22453.0122	45004.3588	36727.8835
263391.98	242210.987	143845.716	192551.588	149978.823	153867.782	294849.753	237648.16
3.332547	2.88718	1.394821	2.513163	2.011917	1.82496	2.879689	3.086337
50039.6723	42685.5255	13741.167	9630.09657	9118.25179	20479.8217	35557.4096	27263.5976
19753.06	19787.28	17938.82	20690.92	17889.52	18991.52	19969.4	17974.78
56.116647	56.213863	56.058812	56.225326	55.90475	56.52238	56.73125	56.171187
20416	20416	18560	21344	18560	19488	20416	18560
58	58	58	58	58	58	58	58
5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34
37.724362	32.626279	15.762703	28.188488	22.066921	19.787437	31.913389	34.021425
37.724362	32.626279	15.762703	28.188488	22.066921	19.787437	31.913389	34.021425
314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
585206.238	506106.207	481745.37	373876.171	265907.275	275190.565	690230.364	559196.239
270655.109	217209.013	308876.732	146501.383	92736.142	99126.9656	350099.781	284608.821
585206.238	506106.207	481745.37	373876.171	265907.275	275190.565	690230.364	559196.239
206.45	177.28	89.94	130.88	90.22	83.81	229.6	202.85
10007.0945	28176.113	91845.0438	165431.092	105495.182	15313.2036	70179.3164	71398.6693
16472.3434	46114.4497	249806.949	273907.457	163734.94	23048.8848	143626.861	151850.753
7.535388	9.515932	10.580672	22.612104	12.902624	4.964669	11.197718	12.115706
175.328901	490.366773	1663.26251	2712.78822	1517.80995	209.490447	1002.96731	1004.80793
60.756611	59.508276	57.29658	60.042631	68.226196	77.954385	68.116874	68.298359
40.689777	34.508599	16.03695	27.574268	22.502573	21.026038	33.358118	35.496927
5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34
15.590795	14.26767	9.756687	10.15	7.768375	7.094642	13.573977	12.185437
270655.109	217209.013	308876.732	146501.383	92736.142	99126.9656	350099.781	284608.821
270655.109	217209.013	308876.732	146501.383	92736.142	99126.9656	350099.781	284608.821
5312.6311	4531.85323	1458.87749	1022.41178	968.070049	2174.30955	3775.07269	2894.53207
304544.034	260721.081	81023.5937	61943.6962	67675.9502	160750.396	269951.267	203188.749
4.5	8.88	6.82	23.1	15.73	4.76	8.75	10.3
-270655.11	-217209.01	-308876.73	-146501.38	-92736.142	-99126.966	-350099.78	-284608.82
-287127.45	-263323.46	-558683.68	-420408.84	-256471.08	-122175.85	-493726.64	-436459.57
25.85	19.02	2.68	3.27	3.13	12.16	10.83	8.94
32661.1741	28165.6178	14444.0143	16576.6221	11964.8277	13747.8376	26731.4323	21109.8712
0.93	0.58	0.36	0.64	0.46	0.35	0.55	0.42
450.399	280.894	174.348	309.952	222.778	169.505	271.6945	207.4758

314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
263391.98	242210.987	143845.716	192551.588	149978.823	153867.782	294849.753	237648.16
5487.96	5022.22	3122.14	3735.2	2485.88	2383.8	4778.04	3899.34
450.399	280.894	174.348	309.952	222.778	169.505	271.6945	207.4758
314551.129	288897.194	172868.637	227374.788	173171.133	176063.599	340130.584	274587.418
50708.7504	46405.3128	28848.5736	34513.248	22969.5312	22026.312	45009.1368	36731.7828
			0.03			0.18	0.14
10.926074	11.006282	11.290875	11.079147	11.091304	11.094518	10.995938	11.033312
0.696557	0.671179	0.53882	0.622055	0.62645	0.634397	0.693199	0.66214
0.670996	0.647065	0.516318	0.599478	0.600891	0.616055	0.671529	0.637944
963564.518	930869.869	666569.647	849957.053	768684.508	851764.469	982571.219	849237.941
2919.56434	2988.93147	2557.19768	3329.78217	2768.06688	2592.38181	3029.69227	2724.99279
26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
0.038721	0.039005	0.043531	0.035815	0.040062	0.02863	0.031647	0.036968
283859.216	274555.903	203548.052	267970.282	233371.87	250982.576	284315.556	246457.507
384533.835	371924.399	275672.777	362228.327	316098.211	340167.994	397736.103	344458.022
3.227	3.227	3.227	3.227	3.227	3.227	3.2929	3.2929
532803.749	515341.43	382059.694	502980.219	438039	471094.295	538180.916	466519.415
37559.07	37547.97	33973.77	39385.02	34096.98	36228.18	37835.46	34206.87
106.701903	106.670369	106.168031	107.02451	106.553062	107.821964	107.487102	106.896468
39072	39072	35520	40848	35520	37296	39072	35520
111	111	111	111	111	111	111	111
26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
37.353888	37.695031	38.734882	37.899916	37.994581	37.93714	38.350384	38.571266
37.023715	37.281032	38.201293	37.520414	37.552872	37.566669	38.017818	38.143096
971024.828	940045.055	697849.977	916301.156	799851.95	858933.263	990550.078	860181.411
1649442.17	1458177.92	1122351.54	1232027.63	1060476.63	1163328.12	1916250.35	1600246.83
678417.34	518132.861	424501.559	315726.477	260624.683	304394.854	925700.269	740065.421
1649442.17	1458177.92	1122351.54	1232027.63	1060476.63	1163328.12	1916250.35	1600246.83
338.37	338.27	306.07	354.82	307.18	326.38	340.86	308.17
177.450126	1145.36577	23623.9899	58594.3931	23230.9922	166.044412	836.609367	2753.69015
248.387927	1602.5777	68084.153	109271.955	47067.1889	310.36476	2548.21686	7810.29925
1.74691	4.424665	8.533369	16.011776	10.746444	1.613454	2.194598	4.919286
4.967353	31.910279	658.358071	1633.30746	644.148319	4.655264	22.983113	75.503217
31.904639	31.42934	18.530712	26.791815	29.1462	32.961646	35.730019	34.16116
31.903902	31.427257	18.524846	26.770173	29.136255	32.961336	35.729584	34.160223
26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
74.480585	71.824289	57.311381	66.542157	66.698956	68.382136	74.539818	70.8118
530044.128	374622.491	318106.992	175658.41	138641.206	173206.262	777088.528	611242.082
530044.128	374622.491	318106.992	175658.41	138641.206	173206.262	777088.528	611242.082
26212.1986	25250.2397	17681.2839	22854.2065	20699.5177	22971.7427	26215.0329	22584.2728
963564.518	930869.869	666569.647	849957.053	768684.508	851764.469	982571.219	849237.941
0.12	0.52	3.19	13.94	9.97	0.25	0.55	1.93
-678417.34	-518132.86	-424501.56	-315726.48	-260624.68	-304394.85	-925700.27	-740065.42
-678665.73	-519735.44	-492585.71	-424998.43	-307691.87	-304705.22	-928248.49	-747875.72

237.09	242.53	234.12	241.95	235.5	278.16	251.81	230.71
108140.58	102362.968	77359.903	87920.1329	82697.0768	104482.098	107910.255	93314.4349
0.78	0.86	0.82	0.83	0.85	0.75	0.75	0.86
7282.86	8029.82	7656.34	7749.71	7936.45	7002.75	7142.25	8189.78
1119398.04	1083555.43	804244.544	1056369.22	921835.427	990121.856	1139161.82	989004.75
1119398.04	1083555.43	804244.544	1056369.22	921835.427	990121.856	1139161.82	989004.75
917337.584	887265.829	657732.471	865208.546	754137.212	811262.289	935917.019	810977.436
26217.166	25282.15	18339.642	24487.514	21343.666	22976.398	26238.016	22659.776
7282.86	8029.82	7656.34	7749.71	7936.45	7002.75	7142.25	8189.78
1119398.04	1083555.43	804244.544	1056369.22	921835.427	990121.856	1139161.82	989004.75
46404.3838	44749.4055	32461.1663	43342.8998	37778.2888	40668.2245	47490.809	41014.1946
0.37	1.89	6.96	27.72	11.79	0.23	0.58	2.28
0.15	0.3	1.05	0.15	0.15		0.45	0.6
0.004119	0.002102	0.010008	0.000923	0.000032		0.009589	0.008288
0.004119	0.002102	0.01	0.000923	0.000031		0.008181	0.008281
308.060362	148.213458	220.773308				452.762024	90.552404
0.86949	0.460648	0.716365				1.390064	0.265664
4.35	2.22	9.6	1.02	0.03		8.64	7.95
0.030454	0.024886	0.030968	0.023233	0.031437	0.029255	0.045255	0.032187
65.25	33.3	144	15.3	0.45		129.6	119.25
1516.77756	774.079583	3347.37117	355.658186	10.460534		3072.88674	2827.48259
0.246603	0.493206	1.726223	0.246603	0.246603		0.754603	1.006137
92.309175	47.10951	203.7168	21.64491	0.636615		186.99984	172.065825
1023.84	1029.72	930.27	1078.35	929.82	978.51	1008.21	929.1
2.908636	2.92534	2.907093	2.930298	2.905687	2.912232	2.864232	2.903437
1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3
4.35	2.22	9.6	1.02	0.03		8.64	7.95
3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
2605.94351	1003.12603	4893.5837	427.002011	11.102208		3816.47517	4034.91413
996.856772	181.936934	1342.49573	49.698914	0.005058		556.588591	1035.36571
2605.94351	1003.12603	4893.5837	427.002011	11.102208		3816.47517	4034.91413
1.45	0.74	3.2	0.34	0.01		2.88	2.65
1301.02637	672.975635	3330.31466	377.303096	11.097149		2807.12455	2908.99601
2070.35658	820.821638	4585.04024	427.002011	11.102208		3283.92076	3936.32232
0.029806	0.059818	0.208083	0.03	0.03		0.09	0.12
3.51719	1.81932	9.003162	1.02	0.03		7.44	7.71
369.904996	369.904996	369.904996					
3.699049	3.699049	3.699049					
4.35	2.22	9.6	1.02	0.03		8.64	7.95
0.012357	0.006306	0.03	0.002771	0.000093		0.024545	0.024843
996.856772	181.936934	1342.49573	49.698914	0.005058		556.588591	1035.36571
996.856772	181.936934	1342.49573	49.698914	0.005058		556.588591	1035.36571

0.832809	0.400679	0.596837				1.2	0.24
308.060362	148.213458	220.773308				452.762024	90.552404
-996.85677	-181.93693	-1342.4957	-49.698914	-0.005058		-556.58859	-1035.3657
-3067.2133	-1002.7586	-5927.536	-476.70093	-11.107266		-3840.5094	-4971.688
490.3461	241.0828	901.4031	93.3348	2.9413		923.9964	833.2019
0.21	0.2	0.69	0.06	0.01		0.38	0.68
1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
4.35	2.22	9.6	1.02	0.03		8.64	7.95
1609.08674	821.189093	3551.08797	377.303096	11.097149		3259.88658	2999.54841
11.422647	11.543222	12.133102	11.644436	11.668046	11.678118	11.578318	11.632578
0.765793	0.744809	0.558143	0.698529	0.704727	0.695134	0.748497	0.713864
0.729785	0.713319	0.477934	0.66911	0.671518	0.57138	0.718629	0.677045
319248.675	313525.06	198194.604	309615.933	270524.315	241237.155	321718.605	276803.196
971.235925	1009.3837	767.750425	1216.73546	976.349298	730.859416	992.59115	888.718026
11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
0.047159	0.042017	0.049187	0.041847	0.046843	0.041071	0.041107	0.051593
124891.721	122596.531	77611.6871	121255.394	105707.888	94361.2366	123436.189	106341.543
168927.542	166019.611	105111.449	163828.414	143418.678	127766.902	172832.165	148600.49
2.4519	2.4519	2.451899	2.4519	2.4519	2.451899	2.5022	2.5022
137618.187	135089.117	85520.318	133611.319	116479.522	103976.647	136051.367	117209.649
14422.2	14500.03	11768.67	15161.8	13115.43	11864.56	14513.79	13050.07
40.972159	41.193267	36.777093	41.200543	40.985718	35.31119	41.232357	40.781468
15136	15136	13760	15824	13760	14448	15136	13760
43	43	43	43	43	43	43	43
11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
29.73444	29.887204	31.655018	30.245581	30.307797	30.38322	30.637663	30.920167
29.151326	29.442576	30.891547	29.6959	29.745343	29.780449	30.146849	30.287294
324975.205	317681.413	202258.594	314557.375	274726.85	245254.963	326052.292	281655.042
639564.876	584891.076	390039.268	500099.377	438353.96	397564.647	759008.141	616362.72
314589.671	267209.663	187780.674	185542.002	163627.11	152309.684	432955.849	334707.679
639564.876	584891.076	390039.268	500099.377	438353.96	397564.647	759008.141	616362.72
335.4	337.21	273.69	352.6	305.01	275.92	337.53	303.49
31.68696	31.312986	15.556486	25.638692	33.470052	30.413258	33.379254	32.803222
7.60487	8.454506	3.111297	5.896899	8.032812	6.082651	8.678606	4.920483
11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
31.380795	30.672755	20.551187	28.771739	28.875312	24.569375	30.901079	29.112968
249308.768	203128.457	147213.046	122161.808	108373.597	102987.066	368435.753	279122.954
249308.768	203128.457	147213.046	122161.808	108373.597	102987.066	368435.753	279122.954

11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
319248.675	313525.06	198194.604	309615.933	270524.315	241237.155	321718.605	276803.196
-314589.67	-267209.66	-187780.67	-185542	-163627.11	-152309.68	-432955.85	-334707.68
-314589.67	-267209.66	-187780.67	-185542	-163627.11	-152309.68	-432955.85	-334707.68
2.09	2.68	1.92	2.16	2.68	2.12	3.05	1.59
		0.099999			0.142857		
105614.838	101482.381	67246.3648	86766.862	81722.6515	86461.2634	105818.847	91127.6553
1.24	0.9	0.88	1.07	0.91	0.87	0.92	1.03
5726.5308	4156.353	4063.9896	4941.4419	4202.5347	4017.8079	4333.6876	4851.8459
390256.108	381762.619	242826.222	377937.569	329980.363	294577.581	390572.388	337239.766
390256.108	381762.619	242826.222	377937.569	329980.363	294577.581	390572.388	337239.766
306545.729	301108.728	190631.767	297439.733	259898.2	231743.549	308883.532	265810.139
11046.04	10796.81	6576.38	10588	9240.1	8255.31	10877.18	9316.15
5726.5308	4156.353	4063.9896	4941.4419	4202.5347	4017.8079	4333.6876	4851.8459
390256.108	381762.619	242826.222	377937.569	329980.363	294577.581	390572.388	337239.766
12702.946	12416.3315	7562.837	12176.2	10626.115	9493.6065	12835.0724	10993.057
0.15	0.3	1.05	0.15	0.15		0.45	0.6
0.003944	0.002107	0.010096	0.000923	0.000034		0.009693	0.008281
0.003607	0.002102	0.010062	0.000923	0.000031		0.009517	0.008281
210.845848	124.715312	221.942998				452.762024	90.552404
0.609587	0.387872	0.711757				1.390064	0.265664
3.81	2.22	9.66	1.02	0.03		10.05	7.95
0.044119	0.017244	0.022781	0.04038	0.042781	0.025059	0.031477	0.029781
57.15	33.3	144.9	15.3	0.45		150.75	119.25
1328.48793	774.079583	3368.29224	355.658186	10.460534		3574.36478	2827.48259
0.246603	0.493206	1.726223	0.246603	0.246603		0.754603	1.006137
80.850105	47.10951	204.99003	21.64491	0.636615		217.517175	172.065825
1009.41	1037.79	938.13	1059.42	918.93	982.74	1022.76	931.41
2.867642	2.948267	2.931656	2.878858	2.871656	2.924821	2.905568	2.910656
1056	1056	960	1104	960	1008	1056	960
3	3	3	3	3	3	3	3
3.81	2.22	9.66	1.02	0.03		10.05	7.95
3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
2259.46727	1003.12603	4916.09205	427.002011	11.102208		4432.52893	4034.91413
850.129235	181.936934	1342.80978	49.698914	0.005058		640.646971	1035.36571
2259.46727	1003.12603	4916.09205	427.002011	11.102208		4432.52893	4034.91413
1.27	0.74	3.22	0.34	0.01		3.35	2.65
1198.49219	696.47378	3351.33927	377.303096	11.097149		3339.11993	2908.99601
1917.88507	849.316861	4606.58379	427.002011	11.102208		3899.97452	3936.32232
0.03	0.059882	0.21	0.03	0.03		0.09	0.12
3.24	1.882845	9.06	1.02	0.03		8.85	7.71
	369.904996						
	3.699049						

3.81	2.22	9.66	1.02	0.03		10.05	7.95
0.010823	0.006306	0.030187	0.002771	0.000093		0.028551	0.024843
850.129235	181.936934	1342.80978	49.698914	0.005058		640.646971	1035.36571
850.129235	181.936934	1342.80978	49.698914	0.005058		640.646971	1035.36571
0.57	0.337154	0.6				1.2	0.24
210.845848	124.715312	221.942998				452.762024	90.552404
0.26							
-850.12924	-181.93693	-1342.8098	-49.698914	-0.005058		-640.64697	-1035.3657
-2768.0143	-1031.2538	-5949.3936	-476.70093	-11.107266		-4540.6215	-4971.688
424.3964	241.0828	908.109	93.3348	2.9413		1081.2912	833.2019
0.19	0.2	0.71	0.06	0.01		0.45	0.68
1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
3.81	2.22	9.66	1.02	0.03		10.05	7.95
1409.33804	821.189093	3573.28227	377.303096	11.097149		3791.88195	2999.54841
8.266592	6.701278	3.45447	4.968626	3.128304	2.705161	5.555397	5.857074
0.175899	0.159366	0.137967	0.09676	0.070173	0.066493	0.170947	0.143084
0.17125	0.156778	0.133818	0.094434	0.067931	0.063416	0.164528	0.138987
161150.595	110165.759	25709.6153	11527.0295	10020.5732	56738.2065	93612.2863	51680.9089
454.674087	324.710206	88.633775	44.5596	35.59209	165.684839	284.427466	160.448259
3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
0.02686	0.029275	0.02975	0.029198	0.032156	0.028422	0.035326	0.032156
43476.4	39724.9	31085.1	24951.6	15623.7	15325.4	41796.5	32139.4
224473.058	205007.8	151555.088	137511.894	100748.542	102518.282	271301.73	206211.751
2.888007	2.360646	1.186304	1.869193	1.352154	1.3087	2.193282	2.35686
31241.5299	21318.2194	5250.94293	2149.35582	1524.57865	8373.14882	14100.097	8028.05385
17168.2	17123	15439.4	17921.4	15503.8	16266.4	16960.7	15517
48.773295	48.644886	48.248125	48.699456	48.449375	48.411904	48.183806	48.490625
17600	17600	16000	18400	16000	16800	17600	16000
50	50	50	50	50	50	50	50
3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
74.59773	64.214574	33.745356	45.202046	36.189613	32.575924	57.890987	63.410346
41.436238	33.775685	17.281724	26.68234	19.338926	18.722085	31.463632	33.825739
225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
396911.52	332657.75	377169.11	217800.734	143535.275	146910.967	481695.04	383069.945
171477.226	126973.618	224966.041	79836.5659	42514.5441	44036.4047	209323.316	176290.165
396911.52	332657.75	377169.11	217800.734	143535.275	146910.967	481695.04	383069.945
298.7	261.27	175.96	157.72	96.76	95.77	240.79	246.3
64283.6985	95518.373	126493.454	126437.139	91000.1573	46136.3553	178759.438	155098.871
110624.928	151073.322	312720.033	201079.294	129583.037	64982.7796	323079.382	292244.906
7.182281	7.358882	5.378267	7.609397	4.924712	3.107116	7.632473	8.368722
825.16686	1258.96749	1772.98807	1585.05873	979.481887	475.59681	1903.65806	1658.63677
86.274172	85.513363	98.069659	79.491613	101.034242	112.788054	97.079151	103.206136
50.003726	40.189668	21.574554	23.052568	19.167408	21.333345	34.919482	37.998268

3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
8.5625	7.83892	6.690937	4.721739	3.396562	3.170833	8.22642	6.949375
171477.226	126973.618	224966.041	79836.5659	42514.5441	44036.4047	209323.316	176290.165
171477.226	126973.618	224966.041	79836.5659	42514.5441	44036.4047	209323.316	176290.165
2188.83314	1500.33251	368.11193	152.541272	107.418112	589.803189	992.04194	565.163228
161150.595	110165.759	25709.6153	11527.0295	10020.5732	56738.2065	93612.2863	51680.9089
27.14	32.27	33.11	26.38	16.88	12.76	36.87	31.37
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22.28	12.14	2.78	0.79	0.8	4.81	7.01	4.16
37365.3842	31686.0504	21947.9105	15236.4573	10429.7388	12402.8657	33621.2515	25384.5596
0.55	0.23	0.21	0.28	0.13	0.25	0.65	0.14
397.859	194.664	159.713	177.186	93.064	175.968	504.479	115.238
225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
224473.058	205007.8	151555.088	137511.894	100748.542	102518.282	271301.73	206211.751
3014	2759.3	2141.1	1737.6	1086.9	1065.4	2895.7	2223.8
397.859	194.664	159.713	177.186	93.064	175.968	504.479	115.238
225434.293	205684.132	152203.069	137964.168	101020.73	102874.562	272371.724	206779.779
563.375999	481.667999	488.267999	275.087999	179.124	180.312	565.515	452.79
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0.15	0.3	1.05	0.15	0.15		0.45	0.6
0.003881	0.002102	0.010104	0.000923	0.000031		0.009517	0.008281
0.003352	0.002102	0.010062	0.000923	0.000031		0.009517	0.008281
355.936638	162.758198	285.764695				602.53526	120.736539
1.005871	0.50625	0.914253				1.849902	0.354219
4.72	2.96	12.88	1.36	0.04		13.4	10.6
0.039147	0.024119	0.025812	0.021032	0.024625	0.035238	0.037244	0.0245
70.8	44.4	193.2	20.4	0.6		201	159
1645.79083	1032.10611	4491.05632	474.210915	13.947379		4765.81971	3769.97678
0.246603	0.493206	1.726223	0.246603	0.246603		0.754603	1.006137
100.16076	62.812679	273.32004	28.85988	0.84882		290.0229	229.4211
1352.88	1374.04	1246.96	1441.04	1248.48	1296.64	1355.56	1248.64
3.843409	3.903522	3.89675	3.915869	3.9015	3.859047	3.851022	3.902
1408	1408	1280	1472	1280	1344	1408	1280
4	4	4	4	4	4	4	4
4.72	2.96	12.88	1.36	0.04		13.4	10.6
3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
3.699049	7.398099	25.893349	3.699049	3.699049		11.31905	15.092067
1745.95159	1094.91879	4764.37636	503.070795	14.796199		5055.84261	3999.39788
2766.10545	1337.50137	6554.78941	569.336015	14.802944		5910.03857	5379.8855
1020.15387	242.582579	1790.41305	66.265219	0.006744		854.195961	1380.48762
2766.10545	1337.50137	6554.78941	569.336015	14.802944		5910.03857	5379.8855
1.18	0.74	3.22	0.34	0.01		3.35	2.65
1390.01495	932.160592	4478.61167	503.070795	14.796199		4453.30735	3878.66134
2131.99344	1136.70379	6153.36984	569.336015	14.802944		5201.60324	5248.42976

0.039143	0.08	0.279797	0.04	0.04	0.119819	0.16	
3.757762	2.52	12.107464	1.36	0.04	11.803041	10.28	
616.54734	430.729363	442.071071			424.2649	411.05777	
6.165473	8.614587	22.103553			12.727947	4.110577	
4.72	2.96	12.88	1.36	0.04	13.4	10.6	
0.013409	0.008409	0.04025	0.003695	0.000125	0.038068	0.033125	
1020.15387	242.582579	1790.41305	66.265219	0.006744	854.195961	1380.48762	
1020.15387	242.582579	1790.41305	66.265219	0.006744	854.195961	1380.48762	
0.962237	0.44	0.772535			1.596958	0.32	
355.936638	162.758198	285.764695			602.53526	120.736539	
0.96	0.62	3.02	0.33	0.01	2.95	2.56	
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0.22	0.11	0.17			0.39	0.08	
408.132	241.0828	908.109	93.3348	2.9413	1081.2912	833.2019	
0.18	0.2	0.71	0.06	0.01	0.45	0.68	
1745.95159	1094.91879	4764.37636	503.070795	14.796199	5055.84261	3999.39788	
1745.95159	1094.91879	4764.37636	503.070795	14.796199	5055.84261	3999.39788	
1745.95159	1094.91879	4764.37636	503.070795	14.796199	5055.84261	3999.39788	
4.72	2.96	12.88	1.36	0.04	13.4	10.6	
1745.95159	1094.91879	4764.37636	503.070795	14.796199	5055.84261	3999.39788	

10.363751	10.484379	10.885032	10.548933	10.583057	10.591154	10.460575	10.508474
0.590361	0.55781	0.393879	0.500047	0.515128	0.510264	0.585791	0.552832
0.558129	0.52499	0.372234	0.473358	0.489468	0.483685	0.554087	0.526206
388277.851	366153.884	241517.28	346558.747	312197.244	323328.38	391879.695	339235.848
1169.96112	1169.66342	925.386493	1360.71077	1125.12648	982.355711	1208.12898	1088.78455
11512.654	10829.074	6980.136	10207.88	9178.506	9523.576	11429.278	9867.426
0.053948	0.061448	0.055468	0.057445	0.052781	0.054613	0.06125	0.054843
117557.25	110806.266	73201.0182	105081.376	94434.4523	97913.3344	116463.518	100953.251
159455.006	150484.936	99144.2371	142078.38	128423.575	132780.556	163194.066	141029.736
3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.3047	3.3047
222030.379	209279.794	138254.763	198467.195	178358.35	184928.915	221828.062	192285.656
19514.386	19359.682	17711.85	20325.996	17762.246	18614.29	19363.784	17723.57
55.438596	54.999096	55.349531	55.233684	55.507018	55.399672	55.01075	55.386156
20627.2	20627.2	18752	21564.8	18752	19689.6	20627.2	18752
58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6
11512.654	10829.074	6980.136	10207.88	9178.506	9523.576	11429.278	9867.426
36.958312	38.566819	41.198774	38.722209	39.204283	39.733977	39.483662	40.039463
34.149836	34.537513	35.837587	34.752251	34.8535	34.885864	35.165953	35.327875
413836.07	392759.571	265399.551	373592.899	337126.982	351191.029	422436.436	366373.652
765067.333	672628.783	520988.2	575074.433	510469.077	531829.359	911095.988	760645.348
351231.263	279869.212	255588.649	201481.534	173342.095	180638.33	488659.553	394271.696
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333.01	330.37	302.25	346.86	303.11	317.65	330.44	302.45
			9.477906				
			18.770481				

			0.252334				
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32.091508	31.916859	18.67041	29.748577	34.448969	35.99871	34.576502	35.969409
26.956866	24.575981	14.189512	24.691319	30.315092	27.35902	22.820491	28.056139
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32.706403	30.764414	21.812925	27.738804	28.682831	28.343976	32.469539	30.835706
289784.088	221950.777	217326.477	146555.499	123981.206	129459.03	427784.072	341503.432
289784.088	221950.777	217326.477	146555.499	123981.206	129459.03	427784.072	341503.432
11512.654	10829.074	6980.136	10207.6277	9178.506	9523.576	11429.278	9867.426
388277.851	366153.884	241517.28	346558.747	312197.244	323328.38	391879.695	339235.848
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15.5	16.15	17.9	16.98	16.62	13.45	12.05	15.27
99421.4584	93151.124	72206.706	79776.8756	76619.7803	93562.9057	96125.8167	84694.5168
1.22	1.27	1.14	1.29	1.19	1.33	1.43	1.27
25558.2192	26605.6872	23882.2704	27024.6744	24929.7384	27862.6488	30556.7405	27137.8045
475283.245	450678.006	303661.723	428518.934	386487.87	402370.329	483311.916	419141.916
475283.245	450678.006	303661.723	428518.934	386487.87	402370.329	483311.916	419141.916
381485.385	359764.73	237399	340545.575	306781.925	317709.47	385022.128	333315.392
11512.654	10829.074	6980.136	10207.88	9178.506	9523.576	11429.278	9867.426
25558.2192	26605.6872	23882.2704	27024.6744	24929.7384	27862.6488	30556.7405	27137.8045
475283.245	450678.006	303661.723	428518.934	386487.87	402370.329	483311.916	419141.916
6792.46586	6389.15366	4118.28024	6022.6492	5415.31854	5618.90984	6857.5668	5920.4556
			0.01				
8.25	6.3	3.3	4.35	2.7	2.4	4.95	5.85
0.165647	0.148823	0.134801	0.087543	0.063966	0.061245	0.164398	0.137273
0.163551	0.14	0.129187	0.086222	0.062625	0.06122	0.158267	0.135406
34390.9697	18283.2123	4734.18001	1557.00419	1801.6131	10715.8549	15448.41	9137.47956
95.694804	52.850692	16.242385	5.942313	6.450577	31.042333	47.286573	28.526581
805.98	689.92	578.76	444.22	280.56	287.98	779.94	606.62
0.030767	0.030142	0.035125	0.023913	0.025687	0.021279	0.024687	0.022062
12089.7	10348.8	8681.4	6663.3	4208.4	4319.7	11699.1	9099.3
62421.9187	53455.7876	42405.2025	36914.2891	27130.7701	28825.9217	75930.087	58262.3073
2.736429	2.116536	1.082445	1.559623	1.125457	1.099695	1.88485	2.236411
6678.0318	3540.27482	960.102255	276.003281	273.115837	1579.69178	2345.58425	1446.20653
4776.38	4779.46	4322.64	5028.8	4364.92	4603.9	4806.34	4381.16
13.569261	13.578011	13.50825	13.665217	13.640375	13.702083	13.654375	13.691125
4928	4928	4480	5152	4480	4704	4928	4480
14	14	14	14	14	14	14	14
805.98	689.92	578.76	444.22	280.56	287.98	779.94	606.62
41.880787	31.860027	16.34846	23.629271	16.954555	16.607707	29.081901	33.796805
41.880787	31.860027	16.34846	23.629271	16.954555	16.607707	29.081901	33.796805
62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
109274.556	85967.5976	103457.648	58130.2169	38262.0476	40756.0298	134248.893	107429.947

46548.1374	32354.3099	60894.9453	21047.9278	11078.7775	11846.1081	57972.3056	49073.14
109274.556	85967.5976	103457.648	58130.2169	38262.0476	40756.0298	134248.893	107429.947
167.17	135.58	88.24	86.22	51.38	56.47	118	127.22
28335.4489	35330.0754	37828.5225	35525.2849	25381.657	18194.0668	60828.177	49219.3277
48585.0579	56156.5535	91282.3246	56039.454	35749.3462	25597.1009	106955.392	91604.8174
6.251237	5.187509	3.018764	4.010883	2.490829	2.046158	4.36952	5.206845
360.777879	453.901678	514.753182	425.819781	262.352277	182.667214	623.567716	510.206231
79.635332	80.652003	75.402606	87.019935	97.489572	110.063359	97.63101	98.245916
43.708664	31.454281	15.080521	14.929904	12.673644	17.534503	28.312992	33.403611
805.98	689.92	578.76	444.22	280.56	287.98	779.94	606.62
2.289715	1.96	1.808625	1.207119	0.87675	0.857083	2.215738	1.895687
46548.1374	32354.3099	60894.9453	21047.9278	11078.7775	11846.1081	57972.3056	49073.14
46548.1374	32354.3099	60894.9453	21047.9278	11078.7775	11846.1081	57972.3056	49073.14
445.20212	236.018321	64.006817	18.400218	18.207722	105.312785	156.372283	96.413768
34390.9697	18283.2123	4734.18001	1557.00419	1801.6131	10715.8549	15448.41	9137.47956
8.36	11.31	5.49	10.6	6.44	4.77	12.93	8.22
-46548.137	-32354.31	-60894.945	-21047.928	-11078.778	-11846.108	-57972.306	-49073.14
-95133.195	-88510.863	-152177.27	-77087.382	-46828.124	-37443.209	-164927.7	-140677.96
6.93	3.74	0.48	0.44	0.31	2.11	2.39	1.67
20008.0757	16204.9786	11155.7659	8181.6337	5596.8196	6923.3381	18048.115	13607.9427
0.29	0.15	0.15	0.16	0.05	0.08	0.33	0.09
304.5	157.5	157.5	168	52.5	84	346.5	94.5
62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
62421.9187	53455.7876	42405.2025	36914.2891	27130.7701	28825.9217	75930.087	58262.3073
805.98	689.92	578.76	444.22	280.56	287.98	779.94	606.62
304.5	157.5	157.5	168	52.5	84	346.5	94.5
62726.4187	53613.2876	42562.7025	37082.2891	27183.2701	28909.9217	76276.587	58356.8073
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11.006614	11.100921	11.468353	11.136176	11.141262	11.130017	11.100728	11.133628
0.467506	0.44575	0.339755	0.393477	0.386203	0.379957	0.458106	0.430291
0.449811	0.428746	0.322178	0.379086	0.371286	0.360713	0.442098	0.414217
2174954.33	2000930.13	1220550.48	1581159.46	1430904.2	1644534.46	2080986.53	1730443.73
6506.34377	6348.01594	4653.38807	6194.87152	5149.71848	4981.54009	6405.68451	5536.39397
58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012
0.035932	0.033039	0.035531	0.032532	0.035951	0.031777	0.035387	0.034366
634142.057	605661.658	425081.075	561265.953	476762.314	485355.259	624549.847	532941.687
1276608.5	1196657.6	853681.061	1038882.22	865833.469	885927.437	1419343.88	1165203.81
3.290613	3.250245	3.212055	3.210006	3.196761	3.23061	3.43464	3.399808
893268.136	860170.074	608022.44	835288.13	732878.994	759999.856	898707.527	777779.103
87959.234	67544.0198	19952.2122	12055.4557	10915.9463	30432.6623	52003.0909	36737.858
124303.451	124179.972	111218.51	130164.171	112808.276	117144.19	124565.429	112944.8
353.134803	352.784011	347.557843	353.706986	352.525862	348.643422	353.879059	352.9525
129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012

272.793814	264.069415	279.704232	218.437343	193.814902	177.025407	271.853696	300.237906
38.043254	37.80834	38.421428	37.390301	37.136905	37.475612	39.837057	39.526623
2326826.44	2206746.4	1571451.67	2010892.5	1713117.91	1763227.34	2474128.59	2078804.27
4168817.52	3650536.1	3049227.72	2961707.54	2457041.27	2555579.68	4947281.13	4068933.37
1841991.08	1443789.69	1477776.05	950815.044	743923.368	792352.347	2473152.53	1990129.1
4168817.52	3650536.1	3049227.72	2961707.54	2457041.27	2555579.68	4947281.13	4068933.37
1686.03	1584.99	1259.01	1430.74	1153.69	1156	1616.59	1506.75
113304.497	167024.413	315298.584	390017.208	245144.979	79809.6701	351109.384	308181.112
192709.252	263553.054	771504.125	645015.905	376171.519	113939.13	624028.308	584087.855
2.743619	3.131059	3.17125	5.309626	3.608932	2.119787	3.082853	3.652051
1395.94688	2254.51347	4710.19156	6368.62652	3403.89244	872.409737	3666.42124	3331.81637
49.4968	45.523508	31.729679	35.709592	36.602125	38.946766	48.596887	47.458818
49.464502	45.521237	31.640711	35.540025	36.587911	38.89002	48.585031	47.354383
58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012
165.125795	157.392823	118.271556	139.162538	136.2991	132.418047	162.294443	152.059412
1566889.79	1178279.68	1292551.68	692440.748	517325.49	560661.836	2199145.21	1752952.77
1566889.79	1178279.68	1292551.68	692440.748	517325.49	560661.836	2199145.21	1752952.77
56728.3331	53147.7605	33136.7064	44843.1875	40211.8196	43620.0543	53461.2228	45327.1956
2174954.33	2000930.13	1220550.48	1581159.46	1430904.2	1644534.46	2080986.53	1730443.73
41.46	53.69	52.27	74.43	49.03	22.54	63.45	54.91
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-2034700.3	-1707342.7	-2249280.2	-1595830.9	-1120094.9	-906291.48	-3097180.8	-2574217
309.99	296.39	260.08	265.59	259.04	312.81	287.66	262.44
		0.00909			0.012987		
405003.123	374028.036	268157.129	294847.935	269039.719	317580.309	392918.41	332671.48
5.61	4.62	5.74	4.46	3.62	3.63	5.94	5.88
39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
2601927.73	2472256.42	1756676.04	2269266.79	1939715.78	1994917.85	2748135.91	2315980.6
2601927.73	2472256.42	1756676.04	2269266.79	1939715.78	1994917.85	2748135.91	2315980.6
2169876.64	2056827.67	1461703.5	1874170.35	1598712.46	1645927.29	2318051.41	1942982.91
58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012
39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
2601927.73	2472256.42	1756676.04	2269266.79	1939715.78	1994917.85	2748135.91	2315980.6
117208.354	110462.199	73580.2372	96340.645	76968.3776	77987.3648	112889.59	95192.47
0.37	1.89	6.96	27.76	11.79	0.23	0.76	2.51

6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
4000.25367	3489.35598	1675.71336	2252.45431	2392.20533	3626.68386	3017.24072	2729.45822
-115696.72	-109883.24	-83787.83	-93860.251	-88814.946	-110602.56	-114311.19	-99859.601
115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
309.23	295.61	260.39	264.4	258.15	312.78	287.15	261.87
264.550647	248.474347	212.215637	182.890663	198.372676	247.433	221.40255	219.673068
133.884115	128.331437	117.577962	98.494393	104.420639	144.437516	117.988684	119.980967
44147.9158	41817.0669	35007.8711	28640.2689	30220.9603	47198.4937	39101.2711	35428.1329

-115696.72	-109883.24	-83787.83	-93860.251	-88814.946	-110602.56	-114311.19	-99859.601
-328.68386	-312.16829	-261.83697	-255.05503	-277.54671	-329.17428	-324.74769	-312.06125
-6053743.2	-5185143.2	-3349979.6	-3696323.8	-3481643.6	-4435709.4	-6589442.6	-5386924.5
-52.271143	-47.138994	-39.726198	-39.357998	-39.197247	-40.030516	-57.745039	-54.002428
-6053743.2	-5185143.2	-3349979.6	-3696323.8	-3481643.6	-4435709.4	-6589442.6	-5386924.5
6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
7384410.69	6283640.61	3796232.7	4273853.07	4149212.62	5634993.08	7576230.09	6244482.41
115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
4000.25367	3489.35598	1675.71336	2252.45431	2392.20533	3626.68386	3017.24072	2729.45822
-115696.72	-109883.24	-83787.83	-93860.251	-88814.946	-110602.56	-114311.19	-99859.601
115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
309.23	295.61	260.39	264.4	258.15	312.78	287.15	261.87
264.550647	248.474347	212.215637	182.890663	198.372676	247.433	221.40255	219.673068
133.884115	128.331437	117.577962	98.494393	104.420639	144.437516	117.988684	119.980967
44147.9158	41817.0669	35007.8711	28640.2689	30220.9603	47198.4937	39101.2711	35428.1329
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-328.68386	-312.16829	-261.83697	-255.05503	-277.54671	-329.17428	-324.74769	-312.06125
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6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
7384410.69	6283640.61	3796232.7	4273853.07	4149212.62	5634993.08	7576230.09	6244482.41
115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
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6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52

215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
664.369966	686.849644	953.256169	1282.80865	1052.45839	948.757376	1085.05528	1061.99686
4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
228291.101	206360.297	203369.088	268516.48	240243.948	260808.195	412863.475	360976.913
4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
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12682.0805	-5744.4998	-43268.569	-57273.468	-50839.953	-50321.809	61554.012	30662.7212

12682.0805	-5744.4998	-43268.569	-57273.468	-50839.953	-50321.809	61554.012	30662.7212
4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
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115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192
4543.92035	4470.06947	5197.84314	6865.96309	6134.53952	6557.00746	7127.39832	6701.44434
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12682.0805	-5744.4998	-43268.569	-57273.468	-50839.953	-50321.809	61554.012	30662.7212
215609.021	212104.796	246637.657	325789.948	291083.9	311130.004	351309.463	330314.192

206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
636.495707	657.694034	911.05015	1225.94988	1006.62935	907.297798	1033.60135	1011.82594
5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
257052.106	232084.793	228340.397	301312.326	269928.689	292928.364	463887.925	405617.527
35.471019	44.703131	15.421988	36.392063	21.268248	25.607238	31.758297	18.94994
1.06413	0.447031	1.387978	1.091761	0.425364	2.304651	0.635165	0.378998
5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
14.526384	14.282181	18.232658	20.941419	21.535247	21.918148	22.749582	23.533749
50475.2937	28980.7483	-7371.4099	-10027.945	-8478.9884	-4597.3493	129239.744	90905.3955
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5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
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-50475.294	-28980.748	7371.40986	10027.9449	8478.98843	4597.34935	-129239.74	-90905.395
-50475.294	-28980.748	7371.40986	10027.9449	8478.98843	4597.34935	-129239.74	-90905.395
0.18	0.03	0.69	0.22	0.14	0.42	0.13	0.14
115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131
5113.28742	5027.32783	5834.45066	7706.44235	6891.27914	7364.49785	8007.85309	7530.79998
257052.106	232084.793	228340.397	301312.326	269928.689	292928.364	463887.925	405617.527
50475.2937	28980.7483	-7371.4099	-10027.945	-8478.9884	-4597.3493	129239.744	90905.3955
206576.812	203104.044	235711.807	311340.271	278407.677	297525.713	334648.181	314712.131

160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
490.950642	556.31659	441.855272	422.739287	425.415414	461.328504	510.183068	430.600044
3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
157201.248	157842.906	92889.8849	80607.7453	91857.4249	118006.87	190478.191	143812.954
3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166

8.907951	9.592775	7.008122	5.697156	7.176526	8.788239	9.170576	8.183098
-3435.4917	-15143.232	-21998.475	-26798.697	-25791.672	-33267.563	25105.5453	9662.50319
-3435.4917	-15143.232	-21998.475	-26798.697	-25791.672	-33267.563	25105.5453	9662.50319
3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
3435.49171	15143.2323	21998.4749	26798.6975	25791.6719	33267.5628	-25105.545	-9662.5032
3435.49171	15143.2323	21998.4749	26798.6975	25791.6719	33267.5628	-25105.545	-9662.5032
115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451
3135.59906	3376.65701	2242.59925	2096.55364	2296.48832	2952.84857	3228.04305	2618.59166
157201.248	157842.906	92889.8849	80607.7453	91857.4249	118006.87	190478.191	143812.954
-3435.4917	-15143.232	-21998.475	-26798.697	-25791.672	-33267.563	25105.5453	9662.50319
160636.74	172986.139	114888.36	107406.443	117649.097	151274.432	165372.646	134150.451

176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
548.635989	578.394001	800.217115	1274.73017	965.005295	776.286295	938.229911	649.440802
2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
94757.314	94092.3203	95254.6246	142428.598	123052.657	115298.565	202360.183	125936.221
2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
5.760403	5.807831	7.401122	10.075641	9.562058	8.659693	9.617605	7.04199
-81994.001	-84114.241	-111195.23	-180783.46	-143675.23	-138336.25	-100125.04	-75408.367
-81994.001	-84114.241	-111195.23	-180783.46	-143675.23	-138336.25	-100125.04	-75408.367
2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
81994.0007	84114.2413	111195.234	180783.464	143675.231	138336.25	100125.044	75408.3674
81994.0007	84114.2413	111195.234	180783.464	143675.231	138336.25	100125.044	75408.3674
115696.718	109883.238	83141.4683	93860.2514	88679.8989	110602.559	114311.185	99859.6014
176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588
2027.66221	2044.35656	2368.35905	3707.83597	3059.85876	2909.65716	3385.39706	2253.43691
94757.314	94092.3203	95254.6246	142428.598	123052.657	115298.565	202360.183	125936.221
-81994.001	-84114.241	-111195.23	-180783.46	-143675.23	-138336.25	-100125.04	-75408.367
176751.315	178206.562	206449.858	323212.061	266727.888	253634.814	302485.227	201344.588

759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
2340.45231	2479.25427	3106.37871	4206.22799	3449.50846	3093.66997	3567.06961	3153.86365
14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
737301.769	690380.316	619853.994	792865.149	725082.719	787041.994	1269589.77	1036343.61
35.471019	44.703131	15.421988	36.392063	21.268248	25.607238	31.758297	18.94994
1.06413	0.447031	1.387978	1.091761	0.425364	2.304651	0.635165	0.378998

14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
42.103605	42.381849	48.885162	55.371725	57.444267	58.880985	61.786055	59.700852
-22272.118	-76021.225	-183833.69	-274883.57	-228785.84	-226522.97	115774.257	55822.2525
-22272.118	-76021.225	-183833.69	-274883.57	-228785.84	-226522.97	115774.257	55822.2525
14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
22272.1182	76021.225	183833.688	274883.574	228785.844	226522.97	-115774.26	-55822.252
22272.1182	76021.225	183833.688	274883.574	228785.844	226522.97	-115774.26	-55822.252
0.18	0.03	0.69	0.22	0.14	0.42	0.13	0.14
462786.872	439532.953	334504.957	375441.006	355124.736	442410.236	457244.742	399438.406
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
737301.769	690380.316	619853.994	792865.149	725082.719	787041.994	1269589.77	1036343.61
-22272.118	-76021.225	-183833.69	-274883.57	-228785.84	-226522.97	115774.257	55822.2525
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362

11.006614	11.100921	11.468353	11.136176	11.141262	11.130017	11.100728	11.133628
0.467506	0.44575	0.339755	0.393477	0.386203	0.379957	0.458106	0.430291
0.449811	0.428746	0.322178	0.379086	0.371286	0.360713	0.442098	0.414217
6053743.21	5185143.24	3349979.65	3696323.78	3481643.55	4435709.43	6589442.62	5386924.52
4265195.7	3865829.04	2470491.22	3226437.48	3052341.83	3857383.08	4221589.52	3568522.99
12847.0497	12316.6262	9435.48014	12653.5538	10991.4323	11701.8939	12989.9948	11419.7158
-42751.969	-39562.553	-30297.679	-22271.642	-26817.068	-46326.084	-35434.85	-32096.317
3573783.01	3573783.01	3248893.65	3736227.69	3248893.65	3411338.33	3645258.67	3313871.52
0.035932	0.033039	0.035531	0.032532	0.035951	0.031777	0.035387	0.034366
634142.057	605661.658	425081.075	561265.953	476762.314	485355.259	624549.847	532941.687
1276608.5	1196657.6	853681.061	1038882.22	865833.469	885927.437	1419343.88	1165203.81
3.290613	3.250245	3.212055	3.210006	3.196761	3.23061	3.43464	3.399808
893268.136	860170.074	608022.44	835288.13	732878.994	759999.856	898707.527	777779.103
87959.234	67544.0198	19952.2122	12055.4557	10915.9463	30432.6623	52003.0909	36737.858
124303.451	124179.972	111218.51	130164.171	112808.276	117144.19	124565.429	112944.8
353.134803	352.784011	347.557843	353.706986	352.525862	348.643422	353.879059	352.9525
129219.2	129219.2	117472	135092.8	117472	123345.6	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
58124.28	55402.274	37846.898	51211.814	43615.712	44492.464	57127.644	48659.012
272.793814	264.069415	279.704232	218.437343	193.814902	177.025407	271.853696	300.237906
38.043254	37.80834	38.421428	37.390301	37.136905	37.475612	39.837057	39.526623
2326826.44	2206746.4	1571451.67	2010892.5	1713117.91	1763227.34	2474128.59	2078804.27
4168817.52	3650536.1	3049227.72	2961707.54	2457041.27	2555579.68	4947281.13	4068933.37
115696.718	109883.238	83787.8296	93860.2514	88814.9456	110602.559	114311.185	99859.6014
1841991.08	1443789.69	1477776.05	950815.044	743923.368	792352.347	2473152.53	1990129.1

4906119.29	4340916.41	3669081.71	3754572.69	3182123.99	3342621.68	6216870.9	5105276.98
1686.03	1584.99	1259.01	1430.74	1153.69	1156	1616.59	1506.75
113304.497	167024.413	315298.584	390017.208	245144.979	79809.6701	351109.384	308181.112
38.359599	35.273916	30.43284	30.601953	30.566801	31.163586	43.127385	40.511082
1330667.48	1098497.37	446253.053	577529.293	667569.065	1199283.66	986787.473	857557.899
309.23	295.61	260.39	264.4	258.15	312.78	287.15	261.87
264.550647	248.474347	212.215637	182.890663	198.372676	247.433	221.40255	219.673068
8.367757	8.020714	7.348622	6.155899	6.961375	12.036459	7.374292	7.49881
44,148	41,817	35,008	28,640	30,221	47,198	39,101	35,428
192709.252	263553.054	771504.125	645015.905	376171.519	113939.13	624028.308	584087.855
1.886238	2.152603	2.180234	3.650368	2.405954	1.236542	2.119461	2.510785
1,396	2,255	4,710	6,369	3,404	872	3,666	3,332
49.44012	45.488295	31.681133	35.702582	36.596978	38.821293	48.575324	47.392463
49.408362	45.486026	31.592169	35.533083	36.582764	38.764666	48.563481	47.288028
-42751.969	-39562.553	-30297.679	-22271.642	-26817.068	-46326.084	-35434.85	-32096.317
-121.45446	-112.39362	-94.680248	-60.520767	-83.803337	-137.87525	-100.66719	-100.30099
-8082908.5	-7656667.8	-5490155.3	-7014994.3	-6441997.6	-7512908.9	-7919781.8	-6892021
-69.83518	-69.691173	-65.596765	-74.739833	-72.52819	-67.93351	-69.278879	-69.015129
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71548.8022	68066.1714	48779.9585	65219.9825	58593.9853	63404.0653	75209.9143	64431.4685
2934528.22	2767331.67	2024238.16	2648908.19	2384772.77	2658099.43	3234802.05	2710965.09
7807807.25	7391157.79	5304930.93	6756620	6215399.67	7281218.38	7645774.5	6654844.69
8945765.48	8226102.1	4979679.86	6689133.39	6506797.22	8366562.91	8008533.67	6928314.73
		0.00909			0.012987		
983486.713	923444.227	686449.915	764149.192	712979.4	870593.104	964474.337	831969.487
5.61	4.62	5.74	4.46	3.62	3.63	5.94	5.88
39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
12989027.8	11997584.2	9159237.01	10769567	9624121.54	10855530.6	14136652.7	11997298
9415244.82	8423801.2	5910343.36	7033339.3	6375227.9	7444192.24	10491394	8683426.48
2169876.64	2056827.67	1461703.5	1874170.35	1598712.46	1645927.29	2318051.41	1942982.91
72944.749	70320.6849	53490.1501	71588.609	61997.8778	64276.475	78876.3355	67763.2849
39741.4448	39456.5334	36167.9298	40381.5027	37437.0651	39312.6797	43187.5992	40628.8918
9415244.82	8423801.2	5910343.36	7033339.3	6375227.9	7444192.24	10491394	8683426.48
117208.354	110462.199	73580.2372	96340.645	76968.3776	77987.3648	112889.59	95192.47
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362
14820.469	14918.4109	15643.2521	20376.795	18382.1658	19784.011	21748.6915	19104.2729
737301.769	690380.316	619853.994	792865.149	725082.719	787041.994	1269589.77	1036343.61
-22272.118	-76021.225	-183833.69	-274883.57	-228785.84	-226522.97	115774.257	55822.2525
759573.887	766401.541	803687.682	1067748.72	953868.563	1013564.96	1153815.52	980521.362

2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25
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3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25
44.36017	40.34784	41.73988	41.41234	52.22105	47.47177	40.02031	40.26596
25.732935	25.732953	25.732935	25.732953	25.732917	25.73288	25.732898	25.733045
44.235666	40.223336	41.615376	41.287836	52.096546	47.347266	39.895806	40.141456
44.331438	40.319108	41.711148	41.383608	52.192318	47.443038	39.991578	40.237228
43.613149	39.600819	40.992859	40.665319	51.474029	46.724749	39.273288	39.518939
43.890887	39.878557	41.270597	40.943057	51.751767	47.002487	39.551027	39.796677
44.312284	40.299954	41.691994	41.364454	52.173164	47.423884	39.972424	40.218074
44.350592	40.338263	41.730302	41.402762	52.211472	47.462192	40.010733	40.256383
23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
44.0537	40.04137	41.43341	41.10587	51.91458	47.1653	39.71384	39.95949
6.031018	5.410578	5.074582	5.035438	5.052895	5.048362	5.079214	5.194612
34.168532	31.441943	32.341969	32.120348	39.327607	36.161039	31.195972	31.369367
34.168532	31.441943	32.341969	32.120348	39.327607	36.161039	31.195972	31.369367

0.41682	0.27788	0.27788		0.27788	0.13894	0.55576	0.13894
0.002486	0.001944	0.008818		0.002202	0.000687	0.016487	0.00128
0.002486	0.001944	0.008148		0.00207	0.000687	0.016164	0.00128
64.060014		350.831975		4141.643	370.166004	3219.3161	
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18.8	15.4	61.6		16.4	5.2	122.2	10.6
0.029226	0.032642	0.025654	0.024761	0.029914	0.033869	0.034077	0.02875
261.2072	213.9676	855.8704		227.8616	72.2488	1697.8468	147.2764
6193.36528	5073.28858	20293.1543		5402.7229	1713.05848	40256.8743	3492.00383
0.754603	0.503068	0.503068		0.503068	0.251534	1.006137	0.251534
376.895868	308.73385	1234.9354		328.781502	104.247793	2449.82315	212.505117
7339.05	7661.475	7366.05	7372.8	7683.075	7303.95	7302.375	8041.95
21.84241	21.765553	21.922767	21.942857	21.826917	21.737946	21.733258	21.853125
7560	7920	7560	7560	7920	7560	7560	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
18.8	15.4	61.6		16.4	5.2	122.2	10.6
10.704112	7.045378	7.107995		7.060181	3.508319	14.052952	3.528601
10.704112	7.045378	7.107995		7.060181	3.508319	14.052952	3.528601
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735
8578.19413	6064.43562	67776.8955		6718.04234	2027.30112	81565.3908	4384.27836
1971.80378	640.124787	46144.1473		932.150336	202.974842	38661.4757	643.961012
8578.19413	6064.43562	67776.8955		6718.04234	2027.30112	81565.3908	4384.27836
3.4	4.04	3.6		6.04	3.36	12.8	0.83
6542.33033	5424.31083	21281.9161		1644.24901	1454.16027	39684.599	3740.31735
8511.66643	6064.43562	66940.9441		1898.17965	1607.66993	72351.6019	4384.27836
0.513572	0.4	0.4		0.308147	0.165795	0.791921	0.2
18.617405	15.4	60.6		4.651822	4.14489	113.023766	10.6
350.831975				365.043248	350.831975	350.831975	
7.016639				7.24786	3.508319	10.524959	
18.8	15.4	61.6		16.4	5.2	122.2	10.6
0.055952	0.04375	0.183333		0.04659	0.015476	0.36369	0.028804
1971.80378	640.124787	46144.1473		932.150336	202.974842	38661.4757	643.961012
1971.80378	640.124787	46144.1473		932.150336	202.974842	38661.4757	643.961012
0.182594		1		11.748177	1.055109	9.176233	
64.060014		350.831975		4141.643	370.166004	3219.3161	
0.21	0.31	0.07		0.11	0.11	0.59	0.14
-1971.8038	-640.12479	-46144.147		-932.15034	-202.97484	-38661.476	-643.96101
-10483.47	-6704.5604	-113085.09		-2830.33	-1810.6448	-111013.08	-5028.2394
				0.15			
270.8422	198.5832	778.1154		313.9742	89.0317	1686.996	141.8834
0.01	0.02	0.02		0.03		0.03	0.02
10.7492	21.4984	21.4984		32.2476		32.2476	21.4984
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735
6570.26115	5382.02243	21528.0897		5731.50441	1817.30627	42706.6975	3704.50895

18.8	15.4	61.6		16.4	5.2	122.2	10.6
10.7492	21.4984	21.4984		32.2476		32.2476	21.4984
6606.39035	5424.31083	21632.7481		5785.89201	1824.32627	42903.9151	3740.31735
25.38	20.79	83.16		22.14	7.02	164.97	14.31
3.7676	4.709499	2.54313	4.7095	6.78168	5.6514	2.73151	3.95598
0.174613	0.160199	0.164241	0.209667	0.308127	0.263149	0.14982	0.171448
0.169285	0.156193	0.159851	0.20122	0.299772	0.251517	0.146101	0.165896
93428.6188	121892.155	83558.6038	142611.842	346414.434	267448.12	80321.0315	65068.0637
319.339513	479.196337	333.591299	461.722447	984.15882	804.654189	286.538027	244.253724
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9
0.032142	0.030937	0.028125	0.033065	0.029715	0.035089	0.026339	0.031331
31073.6578	30035.684	29341.8804	36935.4782	57645.787	46167.982	26817.9652	33351.7371
187583.803	166542.764	149363.324	190856.802	295819.151	238473.909	139670.412	188613.428
2.346097	2.750762	1.388301	2.553223	3.647579	3.041577	1.512558	2.296997
13140.3766	18621.8259	13694.5488	23068.6207	56422.4609	43360.7888	12925.3148	9822.94683
18861.6	19784.38	18939.9	18843.62	19809.32	18804.18	18974.7	20675.26
56.135714	56.205625	56.36875	56.082202	56.276477	55.964821	56.472321	56.182771
19488	20416	19488	19488	20416	19488	19488	21344
58	58	58	58	58	58	58	58
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9
25.952808	30.729397	15.652935	28.924988	41.312077	34.466661	17.018043	25.668539
25.952808	30.729397	15.652935	28.924988	41.312077	34.466661	17.018043	25.668539
218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04
406723.646	356728.306	520681.795	387053.054	618112.536	496969.089	519914.919	382728.776
187835.65	159850.275	341770.939	158920.939	264167.247	212025.903	353255.738	160458.737
406723.646	356728.306	520681.795	387053.054	618112.536	496969.089	519914.919	382728.776
154.04	161.29	84.7	139.18	217.23	168.78	106.51	133.15
125459.377	74985.8757	95352.2519	85520.2731	7530.85467	17495.0665	86338.1495	157201.976
232070.1	137192.688	262567.103	139159.717	10555.1985	27865.3174	244175.624	268959.507
14.683865	20.337651	10.687595	16.125238	6.739955	8.147271	11.671738	19.656587
1903.94746	1211.79086	1661.2519	1472.22184	129.878556	298.035162	1474.96022	2498.01362
66.993301	65.014278	59.157679	59.627567	62.637532	60.971902	60.142983	61.74821
26.737509	32.500052	15.94799	29.795022	45.096507	36.570055	17.432638	25.887237
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9
9.818571	9.059204	9.271369	11.670773	17.386818	14.588035	8.473869	9.62201
187835.65	159850.275	341770.939	158920.939	264167.247	212025.903	353255.738	160458.737
187835.65	159850.275	341770.939	158920.939	264167.247	212025.903	353255.738	160458.737
1395.09254	1977.04914	1453.9281	2449.15816	5990.28144	4603.54484	1372.25978	1042.88638
93428.6188	121892.155	83558.6038	142611.842	346414.434	267448.12	80321.0315	65068.0637
13.66	10.35	10.04	14.48	3.87	5.81	7.95	19.86
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3.2	9.61	2.47	8.73	29.8	19.97	4.04	2.75
16215.3741	14020.6588	13337.104	20101.5873	37296.6733	28096.2687	13181.072	15885.7798
0.46	0.6	0.41	0.68	0.96	0.6	0.34	0.61
227.2354	296.394	202.5359	335.9132	474.2304	296.394	167.9566	301.3339

218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04
218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04
187583.803	166542.764	149363.324	190856.802	295819.151	238473.909	139670.412	188613.428
3299.04	3188.84	3115.18	3921.38	6120.16	4901.58	2847.22	3540.9
227.2354	296.394	202.5359	335.9132	474.2304	296.394	167.9566	301.3339
218887.996	196878.031	178910.856	228132.115	353945.289	284943.187	166659.181	222270.04
31076.9568	30038.8728	29344.9956	36939.3996	57651.9072	46172.8836	26820.8124	33355.278
0.33							0.14
11.091397	11.103368	11.293016	11.067219	10.902809	10.998762	11.291128	11.093172
0.624011	0.593448	0.538331	0.636122	0.712768	0.677574	0.539615	0.617102
0.603413	0.287133	0.518661	0.610682	0.68797	0.653842	0.518876	0.593893
825850.684	377688.481	720603.168	840028.925	1005018.17	914743.855	721883.763	867887.732
2933.95997	1482.58828	2925.4704	2955.05032	2979.24106	2870.10539	2741.55755	3347.42717
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348
0.032916	0.035852	0.035089	0.040982	0.035625	0.035416	0.040178	0.036576
246267.789	122954.897	214917.195	248591.349	290481.526	264710.825	214889.668	265742.845
344158.387	171903.424	301649.56	348006.801	406607.362	370143.611	302292.468	372554.913
3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929
466160.297	232741.325	406816.758	470558.564	549852.481	501071.121	406764.652	503024.632
36068.34	18883.32	35987.31	35767.53	37680.06	35975.1	35797.5	39353.94
107.34625	53.645795	107.105089	106.450982	107.045625	107.06875	106.540178	106.940054
37296	39072	37296	37296	39072	37296	37296	40848
111	111	111	111	111	111	111	111
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348
38.680311	38.695889	39.411581	38.748325	38.032534	38.385062	39.46885	38.653603
38.334585	38.372768	38.993718	38.253649	37.712634	38.030018	38.982997	38.336722
857528.219	427807.836	750525.967	868455.88	1012731.75	922590.368	751702.677	926631.215
1316017.04	585941.377	1258760.26	1212491.19	1686948.76	1435862.49	1218881.21	1260963.89
458488.823	158133.54	508234.29	344035.314	674217.008	513272.125	467178.537	334332.672
1316017.04	585941.377	1258760.26	1212491.19	1686948.76	1435862.49	1218881.21	1260963.89
324.94	169.97	324.21	322.23	339.46	324.1	322.5	354.54
25201.8944	47262.4553	22875.7788	19761.0241	95.180187	609.033578	22200.5138	51601.2328
54371.7633	96651.0361	60030.2546	34379.4395	132.076251	858.573562	64291.2185	104385.497
10.821038	21.891583	8.430419	11.742167	0.942433	3.455827	7.536161	15.310897
691.291433	1292.65791	624.918571	539.3437	2.596424	16.522578	599.58868	1405.77813
29.080402	26.872229	19.594432	28.380868	33.052636	32.034802	17.784865	26.8625
29.071656	26.838303	19.587016	28.368426	33.052377	32.032973	17.776991	26.845892
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348
66.97891	31.87184	57.57141	67.785755	76.364744	72.576553	57.595297	65.922141
329764.649	93865.0154	395897.072	214096.616	522382.314	374907.776	354855.707	195428.886
329764.649	93865.0154	395897.072	214096.616	522382.314	374907.776	354855.707	195428.886
21813.6226	9926.23009	18719.0754	22236.6703	26877.7936	24369.1994	18752.4313	22853.5699
825850.684	377688.481	720603.168	840028.925	1005018.17	914743.855	721883.763	867887.732
8.67	9.05	3.51	4.55	0.09	0.32	3.76	12.81
-458488.82	-158133.54	-508234.29	-344035.31	-674217.01	-513272.12	-467178.54	-334332.67
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241.54	111.29	254.33	231.13	228.51	231.89	255.73	250.7
	0.5						
89028.1521	40744.5973	77632.5015	89101.6524	110896.751	100509.874	82999.3257	89547.4194
0.68	0.3	0.74	0.91	0.8	0.76	0.8	0.75
6475.64	2856.9	7047.02	8665.93	7618.4	7237.48	7618.4	7142.25
986252.392	492076.361	862863.185	998394.578	1164566.44	1060954.72	864025.506	1065535
986252.392	492076.361	862863.185	998394.578	1164566.44	1060954.72	864025.506	1065535
810318.684	404644.749	708466.318	818565.364	956459.843	871214.732	709057.121	875579.545
22504.914	11218.888	19343.994	22776.014	26880.39	24385.722	19352.02	24259.348
6475.64	2856.9	7047.02	8665.93	7618.4	7237.48	7618.4	7142.25
986252.392	492076.361	862863.185	998394.578	1164566.44	1060954.72	864025.506	1065535
40733.8943	20306.1873	35012.6291	41224.5853	48653.5059	44138.1568	35027.1562	43909.4199
11.39	14.83	6.69	10.78	0.18	1.02	7.25	23.38
0.45	0.3	0.3		0.45	0.15	0.6	0.15
0.002232	0.001396	0.009732		0.001708	0.00046	0.016577	0.001114
0.002232	0.001306	0.009732		0.001676	0.000416	0.015297	0.001114
		169.785759		448.679049	11.31905	413.087164	
		0.640044		1.139956	0.029109	1.514896	
2.25	1.38	9.81		1.77	0.42	15.42	1.23
0.021577	0.029801	0.029315	0.035297	0.030198	0.027857	0.038452	0.027092
33.75	20.7	147.15		26.55	6.3	231.3	18.45
800.23092	490.808298	3489.00681		629.51499	149.376438	5484.24924	437.45957
0.754603	0.503068	0.503068		0.754603	0.251534	1.006137	0.251534
48.697875	29.86803	212.322735		38.308995	9.09027	333.74277	26.621505
986.25	1024.53	978.45	972.42	1024.11	979.92	969.24	1074.09
2.935267	2.910596	2.912053	2.894107	2.909403	2.916428	2.884642	2.918722
1008	1056	1008	1008	1056	1008	1008	1104
3	3	3	3	3	3	3	3
2.25	1.38	9.81		1.77	0.42	15.42	1.23
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075
1078.01726	571.65617	10844.6788		756.626773	172.233032	10435.7801	526.188101
229.088463	50.979842	7143.34922		88.802787	13.766323	4617.78808	62.107026
1078.01726	571.65617	10844.6788		756.626773	172.233032	10435.7801	526.188101
0.75	0.46	3.27		0.59	0.14	5.14	0.41
848.928795	520.676328	3531.54379		219.144936	147.147657	5404.90485	464.081075
1078.01726	571.65617	10418.5472		245.392538	160.883183	9246.05592	526.188101
0.09	0.06	0.06		0.055082	0.03	0.119933	0.03
2.25	1.38	9.36		0.580821	0.39	14.325154	1.23
				377.301686		377.301686	
				3.773016		7.546033	
2.25	1.38	9.81		1.77	0.42	15.42	1.23
0.006696	0.00392	0.029196		0.005028	0.00125	0.045892	0.003342
229.088463	50.979842	7143.34922		88.802787	13.766323	4617.78808	62.107026
229.088463	50.979842	7143.34922		88.802787	13.766323	4617.78808	62.107026

		0.45		1.189178	0.03	1.094845	
		169.785759		448.679049	11.31905	413.087164	
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215.2494	119.3918	828.7678		226.5636	48.2869	1432.7573	109.5553
0.29	0.11	0.22		0.27	0.09	0.7	0.08
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075
2.25	1.38	9.81		1.77	0.42	15.42	1.23
848.928795	520.676328	3701.32955		667.823985	158.466708	5817.99201	464.081075
11.675397	11.69886	12.106252	11.657819	11.398136	11.550333	12.141071	11.683672
0.690574	0.68528	0.574988	0.705052	0.779795	0.743828	0.55408	0.683196
0.663144	0.657356	0.340718	0.672665	0.747094	0.703152	0.452032	0.651919
285918.709	297482.929	150911.942	289438.049	332736.009	300373.175	201044.308	308761.831
1018.74646	1180.46072	612.771476	1025.38993	991.565549	947.137372	776.884391	1193.42816
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98
0.040267	0.04213	0.043541	0.047648	0.042727	0.05369	0.049345	0.045326
109867.387	114237.639	57973.8111	111088.301	127629.662	115317.56	77119.18	118459.617
153517.166	159829.499	81204.4209	155528.494	178719.132	161282.363	108337.015	166022.785
2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022
121095.834	125912.726	63898.7346	122441.525	140673.413	127103.015	85000.7602	130566.19
13866.21	14498.31	8547.97	13759.57	14489.28	13672.28	11789.31	15106.76
41.268482	41.18838	25.440386	40.951101	41.162727	40.691309	35.087232	41.050978
14448	15136	14448	14448	15136	14448	14448	15824
43	43	43	43	43	43	43	43
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98
30.988352	31.07869	32.219118	30.953319	30.188056	30.706895	32.411231	31.036687
30.398358	30.455228	31.467588	30.350306	29.701678	30.084278	31.548407	30.412262
290629.239	302570.302	153691.154	293960.158	337540.75	305743.18	205707.733	314226.046
522633.194	493357.049	309451.41	490309.976	668909.287	562851.37	386491.881	509562.145
232003.955	190786.747	155760.256	196349.817	331368.538	257108.191	180784.148	195336.099
522633.194	493357.049	309451.41	490309.976	668909.287	562851.37	386491.881	509562.145
322.47	337.17	198.58	319.99	336.96	317.96	274.17	351.32
30.098223	30.206558	20.113106	27.023089	32.34496	33.512562	16.243261	26.834936
6.320627	23.561115	8.447504	5.674848	8.733139	9.048391	3.248652	7.245432
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98
28.515208	28.266335	14.650892	28.924613	32.125056	30.235565	19.43738	28.032554
174576.272	131074.733	125457.345	138283.963	264656.514	196831.702	140473.953	133417.257
174576.272	131074.733	125457.345	138283.963	264656.514	196831.702	140473.953	133417.257

9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98
285918.709	297482.929	150911.942	289438.049	332736.009	300373.175	201044.308	308761.831
-232003.95	-190786.75	-155760.26	-196349.82	-331368.54	-257108.19	-180784.15	-195336.1
-232003.95	-190786.75	-155760.26	-196349.82	-331368.54	-257108.19	-180784.15	-195336.1
2.19	22.42	7.03	2.01	2.71	3.18	2.22	2.34
		0.380952				0.142857	
87300.2317	82106.5811	47145.2522	87728.9055	108851.144	97238.2449	67184.1204	87737.2792
1	1.08	0.59	0.96	1.02	1.14	0.99	1.16
4710.53	5087.3724	2779.2127	4522.1088	4804.7406	5370.0042	4663.4247	5464.2148
348056.922	362282.316	183994.065	352026.013	404252.774	366019.668	246017.928	376144.888
348056.922	362282.316	183994.065	352026.013	404252.774	366019.668	246017.928	376144.888
274612.999	285742.224	145103.156	277970.019	319392.545	288385.378	193337.775	296588.975
9581.11	9949.75	4922.7	9718.67	11308.02	10159.15	6530.96	10315.98
4710.53	5087.3724	2779.2127	4522.1088	4804.7406	5370.0042	4663.4247	5464.2148
348056.922	362282.316	183994.065	352026.013	404252.774	366019.668	246017.928	376144.888
11305.7098	11740.705	5808.786	11468.0306	13343.4636	11987.797	7706.5328	12172.8564
0.45	0.3	0.3		0.45	0.15	0.6	0.15
0.002235	0.001335	0.009732		0.001676	0.000412	0.016644	0.001114
0.002232	0.001335	0.009732		0.001676	0.000357	0.01616	0.001114
		169.785759		424.110036	11.31905	397.01513	
		0.640044		1.076894	0.029109	1.456161	
2.25	1.41	9.81		1.77	0.36	16.29	1.23
0.036875	0.024715	0.018511	0.04622	0.040795	0.028095	0.028541	0.027961
33.75	21.15	147.15		26.55	5.4	244.35	18.45
800.23092	501.478043	3489.00681		629.51499	128.036947	5793.67187	437.45957
0.754603	0.503068	0.503068		0.754603	0.251534	1.006137	0.251534
48.697875	30.517335	212.322735		38.308995	7.79166	352.572615	26.621505
970.83	1029.9	989.34	961.41	1012.92	979.68	979.23	1073.13
2.889375	2.925852	2.944464	2.861339	2.877613	2.915714	2.914375	2.916114
1008	1056	1008	1008	1056	1008	1008	1104
3	3	3	3	3	3	3	3
2.25	1.41	9.81		1.77	0.36	16.29	1.23
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075
1078.01726	583.018129	10844.6788		756.626773	148.138639	11253.9429	526.188101
229.088463	51.02275	7143.34922		88.802787	12.310032	5107.69838	62.107026
1078.01726	583.018129	10844.6788		756.626773	148.138639	11253.9429	526.188101
0.75	0.47	3.27		0.59	0.12	5.43	0.41
848.928795	531.995378	3531.54379		243.713949	124.509556	5749.22935	464.081075
1078.01726	583.018129	10418.5472		271.525269	136.78879	10110.8243	526.188101
0.09	0.06	0.06		0.058721	0.03	0.119874	0.03
2.25	1.41	9.36		0.645939	0.33	15.237751	1.23
		777.152766		377.301686		377.301686	
		7.771527		3.773016		3.773016	

2.25	1.41	9.81		1.77	0.36	16.29	1.23
0.006696	0.004005	0.029196		0.005028	0.001071	0.048482	0.003342
229.088463	51.02275	7143.34922		88.802787	12.310032	5107.69838	62.107026
229.088463	51.02275	7143.34922		88.802787	12.310032	5107.69838	62.107026
		0.45		1.12406	0.03	1.052248	
		169.785759		424.110036	11.31905	397.01513	
0.17		0.32					
-229.08846	-51.02275	-7143.3492		-88.802787	-12.310032	-5107.6984	-62.107026
-1307.1057	-634.04088	-17561.896		-360.32806	-149.09882	-15218.523	-588.29513
		0.03					
215.2494	121.8606	828.7678		226.5636	41.7805	1501.5791	109.5553
0.29	0.12	0.22		0.27	0.08	0.72	0.08
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075
2.25	1.41	9.81		1.77	0.36	16.29	1.23
848.928795	531.995378	3701.32955		667.823985	135.828607	6146.24448	464.081075

4.286894	4.684178	3.01845	6.270561	8.99505	6.848144	3.293896	3.992162
0.11397	0.094582	0.121981	0.12944	0.194712	0.171059	0.108061	0.101552
0.111547	0.091426	0.119345	0.126625	0.18671	0.1655	0.10588	0.099668
19423.8724	44904.3095	21171.8689	47821.4691	191431.891	130100.756	25325.4739	16330.2158
65.326809	175.514862	84.772904	148.591801	528.649018	377.918776	87.730233	61.258532
1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9
0.030089	0.03	0.027187	0.025937	0.029829	0.028035	0.034717	0.027459
27053.2	23177.5	29067.8	30650.1	47366.5	40110	25761.2	26431.5
160975.323	128922.679	147333.216	158664.828	244434.963	208529.214	133686.504	150794.013
1.732869	1.812064	1.070459	2.253954	3.193139	2.430374	1.205662	1.546182
3211.20247	8078.29452	4185.46317	9147.62459	37034.6127	25022.7022	4839.87643	2885.19735
16316.1	16982.9	16318.5	16399.5	17068.1	16388.1	16222.3	17932.7
48.559821	48.246875	48.566964	48.808035	48.48892	48.774107	48.280654	48.730163
16800	17600	16800	16800	17600	16800	16800	18400
50	50	50	50	50	50	50	50
1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9
46.777026	43.761976	31.091125	59.620077	84.306169	63.724825	32.306912	40.480338
24.898378	25.85026	15.459224	32.46025	45.886079	34.780927	17.324951	22.165472
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446
273829.532	225695.528	418238.585	251873.576	395989.98	328716.178	411941.59	246269.995
112292.471	96331.9017	270161.63	92459.626	150364.671	119497.294	277759.137	94940.5495
273829.532	225695.528	418238.585	251873.576	395989.98	328716.178	411941.59	246269.995
191.4	148.56	141.35	209.34	338.79	252.27	152.23	136.56
142113.189	84459.3166	126905.086	111592.481	54193.4172	79118.1283	108856.979	134999.23
241363.319	148217.927	361743.904	172369.709	79279.9505	119624.216	326729.058	219330.328
6.770855	6.021681	4.810893	8.550415	7.153307	6.926876	4.988969	6.285774
1647.70842	1037.9576	1710.33926	1483.79976	693.261668	1025.21481	1438.4537	1630.8835
108.227967	88.2128	89.13697	87.493285	89.314575	86.788026	88.861807	90.70504
27.056991	28.176769	17.81842	36.70584	54.373938	41.649297	18.638373	21.766644

1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9
5.57738	4.571306	5.967261	6.33125	9.335511	8.275	5.294047	4.983423
112292.471	96331.9017	270161.63	92459.626	150364.671	119497.294	277759.137	94940.5495
112292.471	96331.9017	270161.63	92459.626	150364.671	119497.294	277759.137	94940.5495
226.291583	571.142398	294.660741	643.500242	2592.83833	1755.18519	340.346301	203.016497
19423.8724	44904.3095	21171.8689	47821.4691	191431.891	130100.756	25325.4739	16330.2158
29.24	22.38	30.98	29.49	26.62	29.93	23.58	28.49
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-353655.79	-244549.83	-631905.53	-264829.33	-229644.62	-239121.51	-604488.2	-314270.88
1.6	3.59	2.01	5.48	27.99	16.48	2.14	1.35
19261.0182	14406.4575	18692.3362	22515.8729	41633.5614	33338.373	17689.5307	16852.2106
0.24	0.22	0.39	0.49	0.74	0.18	0.13	0.26
193.998	148.402	294.729	358.567	577.85	156.69	109.849	194.828
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446
160975.323	128922.679	147333.216	158664.828	244434.963	208529.214	133686.504	150794.013
1874	1609.1	2005	2127.3	3286.1	2780.4	1778.8	1833.9
193.998	148.402	294.729	358.567	577.85	156.69	109.849	194.828
161537.061	129363.626	148076.955	159413.95	245625.308	209218.884	134182.453	151329.446
367.74	292.545	449.01	390.555	612.495	532.98	386.1	340.605
0.06							
0.45	0.3	0.3		0.45	0.15	0.6	0.15
0.001979	0.001335	0.009729		0.001712	0.000446	0.016696	0.001114
0.001726	0.001335	0.00869		0.001676	0.000446	0.016696	0.001114
		181.104809		543.383119	15.092067	505.29548	
		0.672444		1.379209	0.038813	1.850856	
2.32	1.88	11.68		2.36	0.6	22.44	1.64
0.027648	0.024346	0.037172	0.037232	0.035312	0.030089	0.022559	0.023777
34.8	28.2	175.2		35.4	9	336.6	24.6
825.126993	668.637391	4154.08762		839.353321	213.394912	7980.96972	583.279426
0.754603	0.503068	0.503068		0.754603	0.251534	1.006137	0.251534
50.21292	40.68978	252.79608		51.07866	12.9861	485.68014	35.49534
1306.84	1373.72	1294.04	1293.96	1358.28	1303.56	1313.68	1437
3.889404	3.902613	3.851309	3.851071	3.85875	3.879642	3.909761	3.904891
1344	1408	1344	1344	1408	1344	1344	1472
4	4	4	4	4	4	4	4
2.32	1.88	11.68		2.36	0.6	22.44	1.64
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016
11.31905	7.546033	7.546033		11.31905	3.773016	15.092067	3.773016
875.339913	709.327171	4406.8837		890.431981	226.381012	8466.64986	618.774766
1066.83484	777.357505	12955.1074		1008.8357	245.700061	15617.0904	701.584135
191.49493	68.030333	8548.22374		118.403717	19.319049	7150.44052	82.809368
1066.83484	777.357505	12955.1074		1008.8357	245.700061	15617.0904	701.584135
0.58	0.47	2.92		0.59	0.15	5.61	0.41
875.339913	709.327171	4225.77889		347.048861	211.288944	7961.35438	618.774766
1066.83484	777.357505	12480.1593		387.264907	230.566929	14152.2478	701.584135

0.12	0.08	0.08	0.074272	0.04	0.15958	0.04	
2.32	1.88	11.2	0.919817	0.56	21.100765	1.64	
		989.73383	425.560263	378.586881	801.68355		
		9.897338	12.766807	3.785868	16.033671		
2.32	1.88	11.68	2.36	0.6	22.44	1.64	
0.006904	0.00534	0.034761	0.006704	0.001785	0.066785	0.004456	
191.49493	68.030333	8548.22374	118.403717	19.319049	7150.44052	82.809368	
191.49493	68.030333	8548.22374	118.403717	19.319049	7150.44052	82.809368	
		0.48	1.440182	0.04	1.339234		
		181.104809	543.383119	15.092067	505.29548		
0.57	0.46	2.79	0.25	0.14	5.28	0.39	
-191.49493	-68.030333	-8548.2237	-118.40372	-19.319049	-7150.4405	-82.809368	
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		0.12	0.32	0.01	0.32		
165.9571	121.8606	739.0316	226.5636	51.5755	1550.8008	109.5553	
0.25	0.12	0.2	0.27	0.1	0.73	0.08	
875.339913	709.327171	4406.8837	890.431981	226.381012	8466.64986	618.774766	
875.339913	709.327171	4406.8837	890.431981	226.381012	8466.64986	618.774766	
875.339913	709.327171	4406.8837	890.431981	226.381012	8466.64986	618.774766	
2.32	1.88	11.68	2.36	0.6	22.44	1.64	
875.339913	709.327171	4406.8837	890.431981	226.381012	8466.64986	618.774766	

10.567131	10.577865	10.88262	10.55741	10.343375	10.479437	10.879728	10.571457
0.511318	0.491303	0.360369	0.510817	0.6119	0.564491	0.39408	0.48903
0.484174	0.459603	0.242734	0.482726	0.57778	0.527278	0.376021	0.461964
329806.921	328947.555	168805.321	329182.24	408636.391	357051.516	261866.812	345663.165
1171.01383	1304.41236	684.380975	1158.58306	1205.85245	1115.41533	996.233668	1335.91668
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176
0.053065	0.063153	0.06125	0.056398	0.054147	0.068422	0.051607	0.056548
98154.7802	97777.7282	50146.1096	97762.2206	121485.439	106133.024	77618.4693	102668.449
137134.589	137047.594	70424.4231	137280.973	170092.285	148670.806	109590.851	144137.889
3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047
186955.41	186237.239	95513.295	186207.702	231393.315	202151.571	147839.898	195552.596
18644.762	19324.522	13246.53	18579.13	19510.284	18342.386	18673.476	20345.334
55.490363	54.89921	39.424196	55.295029	55.426943	54.590434	55.575821	55.286233
19689.6	20627.2	19689.6	19689.6	20627.2	19689.6	19689.6	21564.8
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.599999
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176
39.372175	39.360923	43.861688	39.639261	37.508599	39.584914	41.652064	39.842094
35.523971	35.556853	36.560187	35.489401	34.782222	35.234453	36.54528	35.532806
355238.254	355256.108	190601.038	355047.192	434278.411	383761.953	286232.899	374087.695
612876.152	548212.549	366562.588	554176.784	788708.371	656423.04	601428.269	582551.157
257637.898	192956.442	175961.55	199129.592	354429.96	272661.087	315195.37	208463.462
612876.152	548212.549	366562.588	554176.784	788708.371	656423.04	601428.269	582551.157
318.17	329.16	226.05	317.05	332.94	313.01	318.66	347.19
2.996696	25.482274		9.249142			6.168005	4.624796
4.564303	26.108117		13.634805			10.336842	9.507497

0.080588	0.65		0.248785			0.164863	0.123108
0.080588	0.65		0.248785			0.164863	0.123108
31.371238	30.362826	22.350139	31.447926	34.591334	32.957946	18.074364	32.080676
24.469566	30.059198	11.175069	26.416258	27.673067	22.740982	12.471311	26.947767
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176
28.372613	26.932784	14.22422	28.287767	33.857914	30.898505	22.034875	27.07113
206332.394	141848.023	149750.179	148029.279	290929.521	217185.355	274624.196	154798.663
206332.394	141848.023	149750.179	148029.279	290929.521	217185.355	274624.196	154798.663
9533.11741	9479.69	4779.338	9504.44121	11917.986	10381.898	7403.55314	9962.05289
329806.921	328947.555	168805.321	329182.24	408636.391	357051.516	261866.812	345663.165
0.02	0.01		0.01			0.01	
-257637.9	-192956.44	-175961.55	-199129.59	-354429.96	-272661.09	-315195.37	-208463.46
-257642.46	-192982.55	-175961.55	-199143.23	-354429.96	-272661.09	-315205.71	-208472.97
13.98	136.68	8.53	17.59	12.68	12.23	16.42	15.95
		0.285714					
81472.2423	75063.124	46835.842	81037.8938	102158.819	89709.7076	76879.2626	80810.8183
1.19	1.23	1.02	1.21	1.2	1.25	1.14	1.33
25428.3365	26283.0705	21795.717	25855.7035	25642.02	26710.4375	24359.919	28419.9055
406543.757	406364.526	216812.409	406147.505	497778.85	439237.685	326804.073	427752.494
406543.757	406364.526	216812.409	406147.505	497778.85	439237.685	326804.073	427752.494
324089.999	323284.833	165937.718	323488.675	401485.599	350822.377	257430.749	339690.484
9533.198	9480.34	4779.338	9504.69	11917.986	10381.898	7403.718	9962.176
25428.3365	26283.0705	21795.717	25855.7035	25642.02	26710.4375	24359.919	28419.9055
406543.757	406364.526	216812.409	406147.505	497778.85	439237.685	326804.073	427752.494
5719.9188	5688.204	2867.6028	5702.814	7150.7916	6229.1388	4442.2308	5977.3056
	0.04						
4.05	3.6	2.85	5.7	8.85	6.15	3	3.9
0.108507	0.086775	0.117477	0.121816	0.183514	0.162539	0.103689	0.095523
0.105238	0.085568	0.113988	0.116755	0.179005	0.159107	0.099761	0.093858
3132.46033	7676.79571	3064.43272	8625.49069	43051.5577	26900.0296	4423.76907	3142.2423
10.364577	29.729543	12.305557	26.427905	116.869366	76.910474	15.126614	11.79189
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56
0.03369	0.023579	0.038541	0.024196	0.029119	0.026845	0.045505	0.031983
7425.6	6325.2	8043	8238.3	13232.1	11226.6	7039.2	7253.4
44144.3448	35198.1583	40787.2703	42662.0146	68288.6811	58382.0093	36486.8018	41480.6592
1.55495	1.328825	0.970264	1.952203	2.985175	2.090008	1.039236	1.4437
520.536361	1390.45623	604.666029	1638.86655	8346.26962	5192.83866	843.533074	550.360663
4545.52	4811.8	4522.7	4590.18	4784.5	4577.72	4489.94	4987.22
13.528333	13.669886	13.460416	13.66125	13.592329	13.624166	13.362916	13.552228
4704	4928	4704	4704	4928	4704	4704	5152
14	14	14	14	14	14	14	14
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56
23.465239	19.998356	14.664861	30.830941	45.289655	31.400215	15.63431	21.835134
23.465239	19.998356	14.664861	30.830941	45.289655	31.400215	15.63431	21.835134
44228.3448	35271.6583	40986.7703	42966.5146	68624.6811	58466.0093	36570.8018	41627.6592
73736.9222	60733.9819	114906.477	66849.6691	109958.306	91728.5557	109885.728	66981.9198

29508.5774	25462.3235	73919.7064	23883.1545	41333.6247	33262.5464	73314.9261	25354.2606
73736.9222	60733.9819	114906.477	66849.6691	109958.306	91728.5557	109885.728	66981.9198
98.02	77.6	81.29	114.81	186.65	133.62	83.4	75.93
41095.8845	27594.8626	37922.3376	34341.0239	25573.1235	31565.9797	32147.0327	38485.4169
68427.5385	48069.6348	107073.906	52564.3805	38464.6345	48319.0879	96083.5043	62076.9012
3.713777	3.063687	2.628681	4.856337	6.268092	4.838512	2.737703	3.604535
460.337575	328.982918	495.888931	439.96223	325.722025	402.250755	413.044461	446.869289
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20.03912	18.171565	13.260851	29.509315	48.282258	33.729473	14.755975	14.314254
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56
1.473333	1.197954	1.595833	1.634583	2.506079	2.2275	1.396666	1.314021
29508.5774	25462.3235	73919.7064	23883.1545	41333.6247	33262.5464	73314.9261	25354.2606
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34.702424	92.697081	40.311068	109.257769	556.417974	346.189244	56.235538	36.69071
3132.46033	7676.79571	3064.43272	8625.49069	43051.5577	26900.0296	4423.76907	3142.2423
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0.34	1.72	0.54	1.77	10.04	5.68	0.89	0.66
10134.2975	7688.5447	9536.309	11818.3215	22579.2657	17982.7949	8987.7583	8995.286
0.08	0.07	0.19	0.29	0.32	0.08	0.08	0.14
84	73.5	199.5	304.5	336	84	84	147
44228.3448	35271.6583	40986.7703	42966.5146	68624.6811	58466.0093	36570.8018	41627.6592
44228.3448	35271.6583	40986.7703	42966.5146	68624.6811	58466.0093	36570.8018	41627.6592
44144.3448	35198.1583	40787.2703	42662.0146	68288.6811	58382.0093	36486.8018	41480.6592
495.04	421.68	536.2	549.22	882.14	748.44	469.28	483.56
84	73.5	199.5	304.5	336	84	84	147
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0.09							

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0.38358	0.277734	0.282096	0.393992	0.467555	0.432636	0.312604	0.373155
1557625.33	1178592.23	1148986.84	1657708.02	2332846.27	1997025.35	1299399.87	1606853.25
5518.94302	4651.9021	4656.61265	5775.76546	6820.53121	6193.22144	4920.60199	6194.07617
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564
0.033417	0.033378	0.033779	0.036152	0.035201	0.035949	0.036912	0.033115
520205.921	394792.666	390815.167	533265.748	658157.375	583758.94	431755.779	554116.326
1036132.57	806178.331	822187.47	1032999.91	1371462.68	1187685.78	889579.818	1068553.89
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774736.045	545301.099	568141.165	779207.79	922375.687	830459.823	643227.129	829444.661
16872.1154	28090.5766	18484.678	33855.1119	101803.343	73576.3297	18608.7244	13258.5048
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123345.6	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564

249.897178	233.308714	206.647408	228.716913	317.654425	253.095945	237.820566	212.364049
38.502506	37.605362	39.673995	38.248871	39.028458	38.677866	39.27204	38.272168
1937228.7	1454333.87	1496235.03	1947975.81	2460758.16	2167068.58	1644390.55	2035459.36
3217617.55	2278665.26	3091022.47	2962754.25	4277867.37	3575144.1	3367415.8	3055196.12
1280388.85	824331.387	1594787.44	1014778.44	1817109.21	1408075.52	1723025.26	1019736.76
3217617.55	2278665.26	3091022.47	2962754.25	4277867.37	3575144.1	3367415.8	3055196.12
1414.52	1229.19	1069.24	1422.6	1759.84	1513.51	1286.45	1400.75
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607971.821	438153.861	891673.366	398486.881	131234.222	198803.104	837150.472	660899.979
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47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564
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1042931.49	649242.429	1425935.94	775673.578	1535062.05	1153958.95	1529821.06	765249.337
1042931.49	649242.429	1425935.94	775673.578	1535062.05	1153958.95	1529821.06	765249.337
42584.1191	31996.5587	30212.3933	44661.6977	59258.8389	51616.3218	34468.4486	44414.1964
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262.85	285.31	275.06	266.71	312.2	289.44	281.76	273.75
	0.045454	0.060606				0.012987	
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4.49	3.87	4	4.54	5.88	4.28	5.66	4.51
37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306
2174686.06	1629422.83	1665086.53	2187080.67	2742805.32	2421185.15	1837594.74	2289946.78
2174686.06	1629422.83	1665086.53	2187080.67	2742805.32	2421185.15	1837594.74	2289946.78
1810868.61	1351479.43	1390328.63	1812207.7	2293838.37	2018145.6	1532806.95	1897998.55
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564
37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306
2174686.06	1629422.83	1665086.53	2187080.67	2742805.32	2421185.15	1837594.74	2289946.78
89229.5997	68087.3041	73566.1835	95725.3845	127434.303	109067.976	74547.8022	95769.7749
11.87	14.87	6.69	10.78	0.18	1.02	7.25	23.52

4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088
2369.88584	3111.88649	1819.273	2591.9346	4251.55218	3568.29876	1655.08445	2379.19027
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670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088
262.37	286.77	275.55	266.03	311.57	288.96	281.88	272.67
193.752736	192.723769	178.836784	224.505653	266.388334	252.959941	222.632041	189.805308
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30434.1831	32904.3325	32198.5231	33587.0861	44204.2726	41365.5142	38020.8639	30623.3354

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-4230765.5	-3594637.3	-3500197.2	-4055977.2	-6371632.3	-5209209.5	-3618904.9	-3847842.6
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
4901054.67	4380725.57	3950414.77	4811498.88	7820538.52	6361668.77	4067597.24	4469605.7
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62

4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088
2369.88584	3111.88649	1819.273	2591.9346	4251.55218	3568.29876	1655.08445	2379.19027
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94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088
262.37	286.77	275.55	266.03	311.57	288.96	281.88	272.67
193.752736	192.723769	178.836784	224.505653	266.388334	252.959941	222.632041	189.805308
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4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
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4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
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4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62

345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07
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7014.46333	7917.21294	6981.38025	5639.93484	4539.16003	4259.33141	5469.94291	6870.03591
310007.453	318727.005	289806.76	232691.811	235204.966	201243.454	214578.557	275857.617
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7014.46333	7917.21294	6981.38025	5639.93484	4539.16003	4259.33141	5469.94291	6870.03591
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345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07
345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07
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345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07
345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07
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-35735.444	-71512.42	-54305.472	-45300.578	11469.7683	-8698.9918	-55034.929	-62766.453
345742.898	390239.426	344112.233	277992.388	223735.198	209942.445	269613.486	338624.07

329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216
1177.26826	1480.86114	1334.0929	942.024658	643.664443	634.686279	980.514189	1247.04463
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764
348240.233	358436.925	325723.494	260959.384	264771.73	226367.323	240691.3	309727.886
25.837278	28.949254	23.387024	24.432684	30.54074	27.386935	17.473177	25.735688
0.775118	4.342388	2.806442	0.488653	1.527037	1.095477	1.04839	1.029427
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764
23.45248	25.29605	23.350806	18.826789	14.512011	14.257934	18.275368	20.95839
18933.6347	-13669.995	-2155.4606	-3395.8579	51298.8744	26165.3971	-15921.193	-12585.33
18933.6347	-13669.995	-2155.4606	-3395.8579	51298.8744	26165.3971	-15921.193	-12585.33
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216
-18933.635	13669.995	2155.46056	3395.85787	-51298.874	-26165.397	15921.193	12585.3299
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0.26	2.11	0.99	0.14	0.2	0.26	0.6	0.17
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216
7880.03346	8904.20963	7845.87112	6325.80144	5108.22819	4790.66585	6140.52387	7712.68764
348240.233	358436.925	325723.494	260959.384	264771.73	226367.323	240691.3	309727.886
18933.6347	-13669.995	-2155.4606	-3395.8579	51298.8744	26165.3971	-15921.193	-12585.33
329306.598	372106.92	327878.954	264355.242	213472.856	200201.926	256612.493	322313.216

160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361
573.433181	673.947176	577.103582	568.54808	475.25862	520.079637	464.374232	423.254187
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877
135538.159	131225.386	114211.06	129101.537	165696.107	154649.126	89392.4656	86210.4931
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877

9.304164	9.356755	8.230052	9.283912	8.807428	9.582326	7.076634	5.792629
-24617.037	-37504.614	-27455.133	-30705.04	6872.09479	-10294.145	-32419.632	-22995.868
-24617.037	-37504.614	-27455.133	-30705.04	6872.09479	-10294.145	-32419.632	-22995.868
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361
24617.0373	37504.6144	27455.1332	30705.0402	-6872.0948	10294.1453	32419.632	22995.8677
24617.0373	37504.6144	27455.1332	30705.0402	-6872.0948	10294.1453	32419.632	22995.8677
94444.6992	85705.6979	76574.5531	95906.3758	118223.341	107176.992	88997.4118	95505.0562
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361
160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361
3126.19941	3293.57798	2765.29754	3119.39444	3100.21496	3219.66174	2377.74932	2131.6877
135538.159	131225.386	114211.06	129101.537	165696.107	154649.126	89392.4656	86210.4931
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160155.196	168730	141666.193	159806.577	158824.013	164943.271	121812.098	109206.361

304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667
1088.72622	1328.38193	1032.50348	821.174749	546.241605	548.899935	865.267394	1301.62296
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323
148261.543	149971.001	115339.308	104860.005	100474.466	89278.6217	89112.8744	150910.4
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323
10.136014	10.590175	8.44352	7.656134	5.717687	5.730644	7.499652	10.198677
-156037.82	-183102.72	-138148.69	-124989.41	-79353.68	-82764.51	-136038.68	-184430.27
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3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667
156037.825	183102.718	138148.69	124989.409	79353.6797	82764.5101	136038.683	184430.268
156037.825	183102.718	138148.69	124989.409	79353.6797	82764.5101	136038.683	184430.268
94444.6992	88743.6334	82664.2775	95407.0629	118223.341	107176.992	88300.9438	95505.0562
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667
3405.70082	3727.74168	2837.02293	2572.46127	2012.62614	1925.49672	2519.88313	3753.11323
148261.543	149971.001	115339.308	104860.005	100474.466	89278.6217	89112.8744	150910.4
-156037.82	-183102.72	-138148.69	-124989.41	-79353.68	-82764.51	-136038.68	-184430.27
304299.368	333073.719	253487.999	229849.414	179828.146	172043.132	225151.558	335340.667

1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31
4075.44972	5036.26994	4343.85269	3322.33023	2339.81722	2369.25665	3340.29584	4281.99262
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245
942047.388	958360.318	845080.622	727612.737	766147.27	671538.524	633775.197	822706.396
25.837278	28.949254	23.387024	24.432684	30.54074	27.386935	17.473177	25.735688
0.775118	4.342388	2.806442	0.488653	1.527037	1.095477	1.04839	1.029427

21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245
63.769038	67.735063	60.802297	52.552357	41.932469	42.247487	49.131247	55.618273
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21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31
197456.672	305789.748	222064.757	204390.884	9712.94223	75592.2501	239414.437	282777.919
197456.672	305789.748	222064.757	204390.884	9712.94223	75592.2501	239414.437	282777.919
0.26	2.11	0.99	0.14	0.2	0.26	0.6	0.17
377778.797	351936.598	324919.807	383126.19	472893.363	428707.967	355293.179	382020.225
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245
942047.388	958360.318	845080.622	727612.737	766147.27	671538.524	633775.197	822706.396
-197456.67	-305789.75	-222064.76	-204390.88	-9712.9422	-75592.25	-239414.44	-282777.92
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31

11.174804	11.196427	11.443224	11.160893	10.991126	11.103798	11.440688	11.166898
0.397871	0.340291	0.321976	0.409941	0.485801	0.451433	0.330398	0.387801
0.38358	0.277734	0.282096	0.393992	0.467555	0.432636	0.312604	0.373155
4230765.49	3594637.31	3500197.23	4055977.18	6371632.34	5209209.47	3618904.85	3847842.62
3367418.56	3228830.56	2666349.76	3345233.33	4557612.66	3896615.42	2621281.89	3334100.65
11964.2786	12800.0585	10819.7383	11690.0303	13411.9006	12130.7768	9915.98228	12855.2591
-25705.38	-29012.223	-27615.604	-29651.51	-43046.015	-39618.066	-33930.965	-24626.968
3479565.1	3645258.67	3479565.1	3479565.1	3645258.67	3479565.1	3479565.1	3810952.25
0.033417	0.033378	0.033779	0.036152	0.035201	0.035949	0.036912	0.033115
520205.921	394792.666	390815.167	533265.748	658157.375	583758.94	431755.779	554116.326
1036132.57	806178.331	822187.47	1032999.91	1371462.68	1187685.78	889579.818	1068553.89
3.301143	3.220092	3.314743	3.273254	3.376484	3.32212	3.292878	3.278339
774736.045	545301.099	568141.165	779207.79	922375.687	830459.823	643227.129	829444.661
16872.1154	28090.5766	18484.678	33855.1119	101803.343	73576.3297	18608.7244	13258.5048
118905.502	105374.857	108190.79	118540.12	124419.929	118326.876	116511.751	130027.384
353.885422	299.360389	321.996398	352.797976	353.465707	352.163321	346.761163	353.335282
123345.6	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47312.922	35888.668	34795.312	48597.274	60417.096	53363.77	38558.348	50410.564
249.897178	233.308714	206.647408	228.716913	317.654425	253.095945	237.820566	212.364049
38.502506	37.605362	39.673995	38.248871	39.028458	38.677866	39.27204	38.272168
1937228.7	1454333.87	1496235.03	1947975.81	2460758.16	2167068.58	1644390.55	2035459.36
3217617.55	2278665.26	3091022.47	2962754.25	4277867.37	3575144.1	3367415.8	3055196.12
94444.6992	88743.6334	82840.4883	95906.3758	118223.341	107176.992	88997.4118	95505.0562
1280388.85	824331.387	1594787.44	1014778.44	1817109.21	1408075.52	1723025.26	1019736.76

4159664.94	3237025.58	3936103.09	3690366.99	5044014.64	4246682.62	4001191	3877902.51
1414.52	1229.19	1069.24	1422.6	1759.84	1513.51	1286.45	1400.75
342988.869	241514.302	315626.237	251224.051	89846.7323	130725.315	308348.931	387579.735
34.168532	31.441943	32.341969	32.120348	39.327607	36.161039	31.195972	31.369367
670289.171	786088.266	450217.535	755521.695	1448906.18	1152459.3	448692.384	621763.088
262.37	286.77	275.55	266.03	311.57	288.96	281.88	272.67
193.752736	192.723769	178.836784	224.505653	266.388334	252.959941	222.632041	189.805308
6.298701	6.61501	6.509588	9.309659	8.398608	8.211666	7.523844	6.410213
30,434	32,904	32,199	33,587	44,204	41,366	38,021	30,623
607971.821	438153.861	891673.366	398486.881	131234.222	198803.104	837150.472	660899.979
2.728409	3.661642	1.99803	4.172779	1.797082	1.910072	2.079982	3.222917
4,729	3,892	4,583	3,936	1,158	1,747	4,090	5,996
40.776829	36.971309	28.25421	40.313642	53.689521	45.602911	28.764026	35.983136
40.761203	36.950143	28.242896	40.289284	53.638513	45.574212	28.752811	35.960573
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-76.504107	-82.421088	-82.189298	-88.248541	-122.28982	-117.91091	-100.98501	-66.921107
-6864855.8	-6896443.3	-5775891.1	-6964259.6	-8491541.9	-7610407.9	-5808063.3	-7176323.4
-72.688721	-77.705295	-69.840842	-72.685984	-71.782545	-70.986195	-65.321422	-75.147345
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64010.5161	55839.3009	50641.9652	62319.2897	74019.0682	65811.4775	50976.5479	64881.7208
2697129.39	2442742.29	2216132.22	2589711.64	3108706.48	2744156.12	2172589.51	2712337.57
6627398.41	6721354.34	5607039.64	6725154.72	8209494.75	7356291.3	5614859.13	6921836.02
6689715.76	7069288.74	5165583.81	7082189.53	9527166.71	8309947.5	5226401.04	6882699.13
	0.045454	0.060606				0.012987	
776502.11	675271.891	624114.323	791336.8	1015526.58	902990.897	717383.794	777824.624
4.49	3.87	4	4.54	5.88	4.28	5.66	4.51
37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306
11024520.7	10133468.9	9711994.24	10654626.6	13535556.5	11857090.5	9809254.33	11054226
7544955.62	6488210.2	6232429.14	7175061.48	9890297.87	8377525.4	6329689.23	7243273.71
1810868.61	1351479.43	1390328.63	1812207.7	2293838.37	2018145.6	1532806.95	1897998.55
68739.319	59731.4102	55224.8838	66254.866	75177.3253	67558.9257	55066.4472	70878.0885
37130.4891	34767.1373	32340.213	40042.7225	39485.4886	39855.0057	37035.7969	41691.0306
7544955.62	6488210.2	6232429.14	7175061.48	9890297.87	8377525.4	6329689.23	7243273.71
89229.5997	68087.3041	73566.1835	95725.3845	127434.303	109067.976	74547.8022	95769.7749
1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31
21426.397	23842.7422	20429.5718	17657.592	14760.2293	14195.1557	16508.0992	20467.5245
942047.388	958360.318	845080.622	727612.737	766147.27	671538.524	633775.197	822706.396
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1139504.06	1264150.07	1067145.38	932003.622	775860.212	747130.774	873189.634	1105484.31

2031-11	2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06
3148177.94	3645258.67	3539433.79	3370889.32	3876522.72	3707978.26	3370889.32	3707978.26
-3148177.9	-3645258.7	-3539433.8	-3370889.3	-3876522.7	-3707978.3	-3370889.3	-3707978.3
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3148177.94	3645258.67	3539433.79	3370889.32	3876522.72	3707978.26	3370889.32	3707978.26
3148177.94	3645258.67	3539433.79	3370889.32	3876522.72	3707978.26	3370889.32	3707978.26
3148177.94	3645258.67	3539433.79	3370889.32	3876522.72	3707978.26	3370889.32	3707978.26
40.10219	40.92103	60.299793	56.191823	46.349813	42.156263	43.611163	43.268833
25.732917	25.733045	26.247649	26.247576	26.247576	26.247558	26.247649	26.247631
39.977686	40.796526	60.175349	56.067379	46.225369	42.031819	43.486719	43.144389
40.073458	40.892298	60.271075	56.163105	46.321095	42.127545	43.582445	43.240115
39.355169	40.174009	59.55313	55.44516	45.60315	41.4096	42.8645	42.52217
39.632907	40.451747	59.830735	55.722765	45.880755	41.687205	43.142105	42.799775
40.054304	40.873144	60.25193	56.14396	46.30195	42.1084	43.5633	43.22097
40.092612	40.911453	60.29022	56.18225	46.34024	42.14669	43.60159	43.25926
23.710545	23.710545	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756
1.4	1.4	1.44	1.44	1.44	1.44	1.44	1.44
39.79572	40.61456	59.99347	55.8855	46.04349	41.84994	43.30484	42.96251
6.079232	6.860347	7.077951	7.098172	6.331201	5.662148	5.289526	5.263088
31.333895	31.944892	44.968005	42.231037	35.605783	32.754327	33.693216	33.462791
31.333895	31.944892	44.968005	42.231037	35.605783	32.754327	33.693216	33.462791

	0.27788	0.41682	0.41682	0.55576	0.13894	0.6947	0.55576
	0.000782	0.015313	0.00886	0.001449	0.001717	0.014805	0.004473
	0.000782	0.015211	0.008583	0.0014	0.001717	0.014805	0.004444
	747.990874	5745.86537	594.881437	101.351286		743.052455	2476.37261
	2.226553	17.622042	1.775744	0.312621		2.981401	7.478775
	6.2	115	61.8	11.6	13.6	106.6	35.2
0.030328	0.033664	0.028779	0.028781	0.026739	0.03392	0.032218	0.021107
	86.1428	1597.81	858.6492	161.1704	188.9584	1481.1004	489.0688
	2042.4928	38642.6461	20766.222	3897.86691	4569.91293	35820.0528	11828.0099
	0.503068	0.769696	0.769696	1.026262	0.256565	1.282827	1.026262
	124.295446	2351.65676	1263.75989	237.210594	278.108973	2179.88357	719.811459
6632.55	7653.375	7342.425	6992.775	8058.6	7651.35	6968.025	7752.825
21.817598	21.742542	21.852455	21.852421	21.898369	21.736789	21.775078	22.025071
6840	7920	7560	7200	8280	7920	7200	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	6.2	115	61.8	11.6	13.6	106.6	35.2
	7.107189	10.774702	10.751665	14.633477	3.586483	17.959301	14.409117
	7.107189	10.774702	10.751665	14.633477	3.586483	17.959301	14.409117
	2196.65665	41195.7097	22136.5763	4194.82631	4877.61811	38200.7994	12628.938
	2365.53594	56498.9124	28507.3971	4778.96159	5640.24156	53482.4147	17730.357
	168.87929	15303.2028	6370.82083	584.13528	762.623458	15281.6153	5101.41897
	2365.53594	56498.9124	28507.3971	4778.96159	5640.24156	53482.4147	17730.357
	4.68	7.25	8.97	5.27	3.18	13.09	9.37
	1448.66578	35449.8443	21541.6949	4093.47502	4877.61811	37457.747	10152.5654
	1552.10215	48842.9513	27748.9293	4677.08252	5640.24156	52529.9256	13946.2186
	0.37847	0.588235	0.593366	0.787971	0.2	0.995598	0.74461
	4.09859	98.943019	60.137587	11.327827	13.6	104.554158	28.279707
	353.618027	361.948755	357.842198	391.054999		363.928976	359.194825
	3.53618	7.238975	7.156843	7.570842		10.917869	10.775844
	6.2	115	61.8	11.6	13.6	106.6	35.2
	0.017613	0.342261	0.193125	0.031521	0.038636	0.333125	0.1
	168.87929	15303.2028	6370.82083	584.13528	762.623458	15281.6153	5101.41897
	168.87929	15303.2028	6370.82083	584.13528	762.623458	15281.6153	5101.41897
	2.101409	16.05698	1.662412	0.272172		2.045841	6.920292
	747.990874	5745.86537	594.881437	101.351286		743.052455	2476.37261
	0.15	0.64	0.64	0.22	0.25	0.81	0.33
	-168.87929	-15303.203	-6370.8208	-584.13528	-762.62346	-15281.615	-5101.419
	-1720.9814	-64146.154	-34119.75	-5261.2178	-6402.865	-67811.541	-19047.638
	0.03	0.13		0.01		0.01	0.02
	104.6915	1881.8298	992.2686	173.8456	176.9614	1339.8996	536.0634
	0.02	0.04	0.02	0.04	0.01	0.05	0.03
	21.4984	43.8568	21.9284	43.8568	10.9642	54.821	32.8926
	2196.65665	41195.7097	22136.5763	4194.82631	4877.61811	38200.7994	12628.938
	2196.65665	41195.7097	22136.5763	4194.82631	4877.61811	38200.7994	12628.938
	2166.78825	40994.3029	22029.9819	4135.07751	4848.02191	37999.9364	12547.8214

	6.2	115	61.8	11.6	13.6	106.6	35.2
	21.4984	43.8568	21.9284	43.8568	10.9642	54.821	32.8926
	2196.65665	41195.7097	22136.5763	4194.82631	4877.61811	38200.7994	12628.938
	8.37	157.549999	84.666	15.892	18.632	146.042	48.224
3.29665	2.44894	4.521119	5.18045	5.086259	4.61531	2.44894	4.33274
0.134277	0.12852	0.219824	0.211449	0.170968	0.185693	0.177407	0.176459
0.131282	0.121704	0.215	0.203156	0.164375	0.178068	0.173718	0.168607
81617.5734	170357.043	266452.775	229672.683	117076.649	51484.7977	87939.5901	131482.272
283.722868	507.200679	804.507251	712.474488	396.013626	196.126053	344.030502	420.180044
2314.78	2484.72	4189.92	3770.58	3508.42	3635.44	3224.22	3442.3
0.035723	0.030142	0.022202	0.036156	0.027907	0.031562	0.03275	0.029971
21802.9128	23403.5777	39464.8565	35515.093	33045.808	34242.2094	30368.9282	32423.0237
148556.461	161802.167	273674.285	247269.182	207374.393	201105.265	160743.657	171085.36
2.18537	1.788627	2.951125	3.470572	3.166763	2.823226	1.355783	2.400858
10519.3125	21460.6605	33388.7977	28630.3891	15796.2426	7375.16961	13844.2436	20933.5968
17002.12	19800.62	19055.32	17888.94	20748.34	19771.62	17952.16	19804.1
55.928026	56.251761	56.712261	55.902937	56.381358	56.169375	56.1005	56.261647
17632	20416	19488	18560	21344	20416	18560	20416
58	58	58	58	58	58	58	58
2314.78	2484.72	4189.92	3770.58	3508.42	3635.44	3224.22	3442.3
24.023467	19.361297	32.543797	38.012104	35.189522	31.402162	15.304757	27.220842
24.023467	19.361297	32.543797	38.012104	35.189522	31.402162	15.304757	27.220842
170495.066	185415.705	314206.467	283711.043	241362.399	236324.011	191909.805	204483.301
273277.492	321440.728	678820.449	567225.85	418121.503	382608.342	534444.009	418368.824
102782.426	136025.022	364613.982	283514.807	176759.104	146284.331	342534.205	213885.523
273277.492	321440.728	678820.449	567225.85	418121.503	382608.342	534444.009	418368.824
82.8	85.3	210.01	217.91	188.11	161.28	84.81	125.57
88877.4927	15058.6625	47753.6918	54038.3597	124285.75	184839.213	103970.215	73001.0289
139346.785	24528.4326	109912.135	107241.467	215968.105	302687.015	279329.83	145135.043
13.160092	4.174348	9.966572	12.732899	19.488363	24.625998	9.628174	13.686609
1197.9616	206.276379	645.085331	730.937885	1831.35846	2852.43017	1754.39904	1219.81388
70.488291	79.571534	71.782926	74.127326	67.828249	65.600155	59.436273	61.022264
23.90409	20.688595	34.449303	40.763662	35.867074	30.160901	15.438664	27.981678
2314.78	2484.72	4189.92	3770.58	3508.42	3635.44	3224.22	3442.3
7.614407	7.058863	12.47	11.783062	9.53375	10.327954	10.075687	9.779261
102782.426	136025.022	364613.982	283514.807	176759.104	146284.331	342534.205	213885.523
102782.426	136025.022	364613.982	283514.807	176759.104	146284.331	342534.205	213885.523
1116.8184	2278.44362	3544.83467	3039.64211	1677.06154	783.009831	1469.82096	2222.48612
81617.5734	170357.043	266452.775	229672.683	117076.649	51484.7977	87939.5901	131482.272
12.19	4.24	8.16	9.34	16.77	22.31	7.24	11.2
-102782.43	-136025.02	-364613.98	-283514.81	-176759.1	-146284.33	-342534.2	-213885.52
-242129.21	-160553.45	-474526.12	-390756.27	-392727.21	-448971.35	-621864.04	-359020.57
3.28	12.22	14.41	11.78	4.99	2.72	1.5	7.04
11294.2599	14357.4285	23824.5764	20834.3544	17510.0401	16137.5063	14020.2541	17868.8133
0.27	0.42	0.53	0.41	0.54	0.56	0.36	0.63
133.3773	207.4758	267.0511	206.5867	272.0898	282.1672	181.3932	317.4381

170495.066	185415.705	314206.467	283711.043	241362.399	236324.011	191909.805	204483.301
170495.066	185415.705	314206.467	283711.043	241362.399	236324.011	191909.805	204483.301
148556.461	161802.167	273674.285	247269.182	207374.393	201105.265	160743.657	171085.36
2314.78	2484.72	4189.92	3770.58	3508.42	3635.44	3224.22	3442.3
133.3773	207.4758	267.0511	206.5867	272.0898	282.1672	181.3932	317.4381
170495.066	185415.705	314206.467	283711.043	241362.399	236324.011	191909.805	204483.301
21805.2276	23406.0624	40265.1312	36235.2738	33715.9162	34936.5784	30984.7542	33080.503
		0.08	0.11	0.67		0.01	0.19
11.115797	11.134028	11.009596	11.018172	11.016158	11.066844	11.276811	11.109041
0.616456	0.617935	0.685584	0.677132	0.660005	0.630758	0.547791	0.608169
0.595473	0.599452	0.660767	0.655305	0.636014	0.606528	0.53184	0.585463
744737.81	886189.201	942125.918	890154.522	967753.399	808657.311	710849.216	866155.747
2641.50588	2661.54182	2858.51987	2802.52999	3389.66369	3161.83593	2835.44566	3024.10642
20093.642	23421.792	24643.994	23276.468	25979.93	23698.296	18890.982	22875.244
0.034769	0.030312	0.037113	0.031593	0.038315	0.04017	0.031687	0.039573
220104.86	256453.026	267203.369	252805.446	282601.068	258851.83	209409.49	250685.315
308805.983	358411.722	385587.039	364832.598	405653.349	373630.509	301623.324	360312.562
3.2929	3.2929	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531
416636.489	485439.933	511186.764	483642.099	540644.103	495209.436	400621.296	479586.075
32570.73	37887.63	35911.83	34397.79	39282.9	37502.46	34394.46	37525.77
107.140559	107.635312	106.880446	107.493093	106.74701	106.541079	107.482687	106.607301
33744	39072	37296	35520	40848	39072	35520	39072
111	111	111	111	111	111	111	111
20093.642	23421.792	24643.994	23276.468	25979.93	23698.296	18890.982	22875.244
38.803787	38.8945	39.124498	39.123798	39.229003	39.392107	40.17757	39.637157
38.410565	38.476449	38.762911	38.792503	38.796411	38.954502	39.660728	39.103887
768573.294	893958.729	949553.552	897947.403	1003394.34	921327.253	744672.717	891737.559
1047678.86	1265622.39	1898769.1	1709824.26	1516481.53	1284785.61	1278968.34	1282723.8
279105.561	371663.664	949215.543	811876.854	513087.189	363458.359	534295.623	390986.243
1047678.86	1265622.39	1898769.1	1709824.26	1516481.53	1284785.61	1278968.34	1282723.8
293.43	341.33	323.53	309.89	353.9	337.86	309.86	338.07
17074.1537	55.897875	239.273853	1381.64085	26606.9238	104024.482	26343.7212	16062.0918
32574.9998	125.870832	993.136253	3179.98585	50277.5881	196997.651	76432.2603	30427.4067
9.913038	0.466207	1.376743	4.333454	11.704622	24.713095	8.882631	10.551322
466.410169	1.574749	6.436695	37.042961	716.745099	2784.60863	709.35872	432.362125
29.149452	32.078605	36.533281	37.276014	32.054448	28.217575	20.285169	28.455535
29.141544	32.078605	35.802437	37.275605	32.044266	28.188512	20.278381	28.446786
20093.642	23421.792	24643.994	23276.468	25979.93	23698.296	18890.982	22875.244
66.097506	66.539181	73.34522	72.738962	70.597635	67.324704	59.034318	64.986488
164056.751	237615.667	809548.343	679735.447	365371.611	228156.508	424837.282	259953.029
164056.751	237615.667	809548.343	679735.447	365371.611	228156.508	424837.282	259953.029
19627.2318	23420.2173	24637.5573	23239.425	25263.1849	20913.6874	18181.6233	22442.8819
744737.81	886189.201	942125.918	890154.522	967753.399	808657.311	710849.216	866155.747
7.31	0.08	0.26	1.1	10.44	19.1	2.86	2.98
-279105.56	-371663.66	-949215.54	-811876.85	-513087.19	-363458.36	-534295.62	-390986.24
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229.44	289.03	245.01	236.31	258.47	215.88	236.16	255.92
80651.4747	110690.836	103726.959	96070.9233	97842.3437	83557.9967	75595.3316	93956.7556
0.71	0.81	0.74	0.66	0.93	0.89	0.77	0.98
6761.33	7713.63	7188.36	6411.24	9034.02	8645.46	7479.78	9519.72
883622.104	1028006.73	1089220.75	1030088.81	1151109.92	1056629.1	854131.057	1022770.77
883622.104	1028006.73	1089220.75	1030088.81	1151109.92	1056629.1	854131.057	1022770.77
725442.472	843851.656	896773.803	848474.697	946297.452	868839.945	702244.62	839898.638
20093.642	23421.792	24643.994	23276.468	25979.93	23698.296	18890.982	22875.244
6761.33	7713.63	7188.36	6411.24	9034.02	8645.46	7479.78	9519.72
883622.104	1028006.73	1089220.75	1030088.81	1151109.92	1056629.1	854131.057	1022770.77
36369.492	42393.4435	45591.3889	43061.4658	48062.8705	43841.8476	34948.3167	42319.2014
10.36	0.07	0.26	1.25	15.99	32.25	8.13	10.5
	0.3	0.45	0.45	0.6	0.15	0.75	0.6
	0.000401	0.015505	0.007718	0.001114	0.00125	0.014187	0.004014
	0.000397	0.015505	0.007718	0.001114	0.00125	0.014125	0.004005
	65.379458	594.856019	42.749065	11.54545		73.858083	253.999911
	0.196558	1.827707	0.127907	0.034554		0.29493	0.737639
	0.42	15.63	7.41	1.23	1.32	13.56	4.23
0.020263	0.018721	0.027202	0.024843	0.023179	0.036278	0.025093	0.028835
	6.3	234.45	111.15	18.45	19.8	203.4	63.45
	149.376438	5670.11621	2688.13571	446.208761	478.858182	4919.17951	1534.52281
	0.503068	0.769696	0.769696	1.026262	0.256565	1.282827	1.026262
	9.09027	345.06351	163.59057	27.15471	29.14164	299.36412	93.385709
893.52	1036.23	980.58	936.15	1078.41	1017.69	935.91	1025.55
2.93921	2.943835	2.918392	2.925468	2.930461	2.891164	2.924718	2.913494
912	1056	1008	960	1104	1056	960	1056
3	3	3	3	3	3	3	3
	0.42	15.63	7.41	1.23	1.32	13.56	4.23
	7.546033	11.54545	11.54545	15.393934	3.848483	19.242417	15.393934
	7.546033	11.54545	11.54545	15.393934	3.848483	19.242417	15.393934
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1627.90852
	169.494093	7900.46605	3583.13827	529.276494	577.155813	7118.34918	2266.45317
	11.027384	1885.28633	731.411988	55.913022	69.15599	1899.80555	638.54465
	169.494093	7900.46605	3583.13827	529.276494	577.155813	7118.34918	2266.45317
	0.14	5.21	2.47	0.41	0.44	4.52	1.41
	93.087249	5420.3237	2808.97721	461.81802	507.999822	5144.68555	1373.90861
	99.175178	7113.44863	3530.29924	517.655125	577.155813	7030.94928	1876.96682
	0.056119	0.089921	0.089806	0.12	0.03	0.149936	0.12
	0.246718	14.08431	7.298919	1.2	1.32	13.368085	3.57
	377.301686	384.84835	384.84835			384.84835	
	3.773016	3.848483	3.848483			3.848483	
	0.42	15.63	7.41	1.23	1.32	13.56	4.23
	0.001193	0.046517	0.023156	0.003342	0.00375	0.042375	0.012017
	11.027384	1885.28633	731.411988	55.913022	69.15599	1899.80555	638.54465
	11.027384	1885.28633	731.411988	55.913022	69.15599	1899.80555	638.54465

	0.173281	1.545689	0.11108	0.03		0.191914	0.66
	65.379458	594.856019	42.749065	11.54545		73.858083	253.999911
	-11.027384	-1885.2863	-731.41199	-55.913022	-69.15599	-1899.8055	-638.54465
	-110.20256	-8998.735	-4261.7112	-573.56815	-646.3118	-8930.7548	-2515.5115
	47.2126	1707.2541	795.8287	122.8377	114.4014	1136.6891	435.2397
	0.12	0.53	0.74	0.24	0.11	0.57	0.29
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1627.90852
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1627.90852
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1627.90852
	0.42	15.63	7.41	1.23	1.32	13.56	4.23
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1627.90852
11.684864	11.785758	11.603338	11.625464	11.573706	11.627528	12.073005	11.687189
0.691577	0.664893	0.734934	0.7182	0.726744	0.704879	0.578823	0.684002
0.658606	0.521742	0.70396	0.684345	0.694048	0.674233	0.358068	0.650897
257203.194	236127.415	306592.414	284442.8	330782.872	309416.968	153505.462	299496.44
913.704721	703.857212	930.192195	895.765343	1163.52545	1213.50265	613.649326	1050.59404
8609.31	7897.1	10170.82	9416.59	10982.63	10205.2	4927.02	9851.99
0.047203	0.045653	0.042291	0.049531	0.046005	0.048011	0.044375	0.048267
98684.2492	90748.6614	115623.668	107324.729	125000.435	116608.534	57943.4692	113094.805
138274.429	126785.663	166438.279	154377.346	179278.235	168131.724	83472.7949	162523.341
2.5022	2.5022	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466
108769.779	100023.175	127949.151	118765.546	138325.481	129039.004	64120.243	125150.711
12454.95	11839.19	13836.97	13078.45	15096.01	14409.3	8516.15	14405.43
40.97023	33.634062	41.181458	40.870156	41.021766	40.935511	26.612968	40.924517
13072	15136	14448	13760	15824	15136	13760	15136
43	43	43	43	43	43	43	43
8609.31	7897.1	10170.82	9416.59	10982.63	10205.2	4927.02	9851.99
30.960293	31.39941	31.310711	31.404654	31.302785	31.50379	32.702335	31.615018
30.415435	30.67952	30.749336	30.80381	30.692391	30.811166	31.93865	30.96806
261395.566	240319.787	311541.296	289391.682	336452.465	314894.372	156724.638	304925.796
415271.231	401402.795	742892.679	657351.741	606194.604	524729.517	322213.108	528598.087
153875.665	161083.008	431351.383	367960.059	269742.14	209835.145	165488.47	223672.291
415271.231	401402.795	742892.679	657351.741	606194.604	524729.517	322213.108	528598.087
289.65	275.33	321.79	304.15	351.07	335.1	197.97	335.01
32.291646	16.710585	38.73854	38.236307	36.233343	27.05104	19.721761	27.795608
6.458329	2.339481	6.972937	8.79435	9.058335	7.844801	6.310963	6.948902
8609.31	7897.1	10170.82	9416.59	10982.63	10205.2	4927.02	9851.99
28.320098	22.434943	30.270297	29.426843	29.844103	28.992045	15.396937	27.988607
102293.408	113648.683	370914.892	311861.423	204404.412	148883.864	135201.418	164557.637
102293.408	113648.683	370914.892	311861.423	204404.412	148883.864	135201.418	164557.637

8609.31	7897.1	10170.82	9416.59	10982.63	10205.2	4927.02	9851.99
257203.194	236127.415	306592.414	284442.8	330782.872	309416.968	153505.462	299496.44
-153875.67	-161083.01	-431351.38	-367960.06	-269742.14	-209835.14	-165488.47	-223672.29
-153875.67	-161083.01	-431351.38	-367960.06	-269742.14	-209835.14	-165488.47	-223672.29
1.88	1.35	2.24	2.15	3.52	2.99	5.05	2.53
	0.181818					0.35	
78533.2766	87399.9885	101994.688	92684.5887	95906.4745	82296.9183	47489.8386	92568.5633
0.89	0.89	1.03	1.03	1.18	1.14	0.67	1.13
4192.3717	4192.3717	4948.8822	4948.8822	5669.5932	5477.4036	3219.1758	5429.3562
312977.823	287754.112	371977.788	345490.318	401790.192	375845.653	187011.689	364040.451
312977.823	287754.112	371977.788	345490.318	401790.192	375845.653	187011.689	364040.451
247044.208	226808.837	294387.43	273142.892	317603.716	297170.728	147593.038	287674.052
8609.31	7897.1	10170.82	9416.59	10982.63	10205.2	4927.02	9851.99
4192.3717	4192.3717	4948.8822	4948.8822	5669.5932	5477.4036	3219.1758	5429.3562
312977.823	287754.112	371977.788	345490.318	401790.192	375845.653	187011.689	364040.451
10158.9858	9318.578	12204.984	11299.908	13179.156	12246.24	5912.424	11822.388
	0.3	0.45	0.45	0.6	0.15	0.75	0.6
	0.000397	0.015505	0.007718	0.001125	0.00141	0.014151	0.004052
	0.000397	0.015505	0.007718	0.001114	0.00125	0.014125	0.004034
	56.595253	564.114711	34.636351	11.54545		64.448536	241.743083
	0.171988	1.7336	0.10374	0.034554		0.257197	0.695203
	0.42	15.63	7.41	1.23	1.32	13.56	4.26
0.038026	0.024431	0.038452	0.041687	0.024972	0.032613	0.03	0.034261
	6.3	234.45	111.15	18.45	19.8	203.4	63.9
	149.376438	5670.11621	2688.13571	446.208761	478.858182	4919.17951	1545.40595
	0.503068	0.769696	0.769696	1.026262	0.256565	1.282827	1.026262
	9.09027	345.06351	163.59057	27.15471	29.14164	299.36412	94.048019
877.32	1030.2	969.24	919.98	1076.43	1021.56	931.2	1019.82
2.885921	2.926704	2.884642	2.874937	2.925081	2.902159	2.91	2.897215
912	1056	1008	960	1104	1056	960	1056
3	3	3	3	3	3	3	3
	0.42	15.63	7.41	1.23	1.32	13.56	4.26
	7.546033	11.54545	11.54545	15.393934	3.848483	19.242417	15.393934
	7.546033	11.54545	11.54545	15.393934	3.848483	19.242417	15.393934
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1639.45397
	169.494093	7900.46605	3583.13827	529.276494	577.155813	7118.34918	2278.01347
	11.027384	1885.28633	731.411988	55.913022	69.15599	1899.80555	638.559493
	169.494093	7900.46605	3583.13827	529.276494	577.155813	7118.34918	2278.01347
	0.14	5.21	2.47	0.41	0.44	4.52	1.42
	101.871455	5451.06501	2817.08993	461.81802	507.999822	5154.0951	1397.71089
	108.283922	7148.96504	3540.87442	517.655125	577.155813	7043.80586	1909.42363
	0.06	0.089606	0.09	0.12	0.03	0.149839	0.119424
	0.27	14.164189	7.32	1.2	1.32	13.392535	3.631848
		384.84835				384.84835	384.84835
		7.696967				3.848483	3.848483

	0.42	15.63	7.41	1.23	1.32	13.56	4.26
	0.001193	0.046517	0.023156	0.003342	0.00375	0.042375	0.012102
	11.027384	1885.28633	731.411988	55.913022	69.15599	1899.80555	638.559493
	11.027384	1885.28633	731.411988	55.913022	69.15599	1899.80555	638.559493
	0.15	1.46581	0.09	0.03		0.167464	0.628151
	56.595253	564.114711	34.636351	11.54545		64.448536	241.743083
			0.25				
	-11.027384	-1885.2863	-731.41199	-55.913022	-69.15599	-1899.8055	-638.55949
	-119.31131	-9034.2514	-4272.2864	-573.56815	-646.3118	-8943.6114	-2547.9831
	47.2126	1707.2541	795.8287	122.8377	114.4014	1136.6891	437.6403
	0.12	0.53	0.74	0.24	0.11	0.57	0.3
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1639.45397
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1639.45397
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1639.45397
	0.42	15.63	7.41	1.23	1.32	13.56	4.26
	158.466708	6015.17972	2851.72628	473.363471	507.999822	5218.54363	1639.45397
3.270634	2.842312	5.264745	6.829753	5.952966	4.697264	3.308616	5.13077
0.075851	0.07396	0.142439	0.13472	0.100031	0.101991	0.144501	0.114627
0.073585	0.072431	0.135398	0.130906	0.097211	0.098352	0.141631	0.111539
14026.7626	65560.0918	85638.7552	63164.5039	24640.5395	10470.7895	16117.9409	43930.9383
48.725203	193.390537	255.863521	192.923584	83.222654	39.739408	62.695608	134.466176
1118.5	1274.8	2274.7	2094.5	1788.7	1731	2266.1	1963.1
0.033848	0.025724	0.027961	0.032171	0.031548	0.030568	0.027796	0.02446
16127.3	18372.8	32919.5	30267.7	25766.3	24897	32872.9	28342.3
113725.493	125451.992	228111.872	204733.251	160014.279	145030.407	174654.627	150992.554
1.485306	1.366678	2.23542	2.850893	2.394335	1.934593	1.200937	1.884178
2041.4859	9534.04087	12237.1271	9351.81549	3815.72534	1771.20933	2950.39609	8230.32986
14663.9	17135.1	16332.2	15479.1	17891.8	16966.9	15607.9	17202.2
48.236513	48.679261	48.607738	48.372187	48.619021	48.20142	48.774687	48.869886
15200	17600	16800	16000	18400	17600	16000	17600
50	50	50	50	50	50	50	50
1118.5	1274.8	2274.7	2094.5	1788.7	1731	2266.1	1963.1
36.179361	32.729751	54.075139	70.719957	56.111766	48.449179	34.648466	47.901198
21.290321	19.586227	32.163428	40.991487	34.27159	27.682896	17.412815	27.191089
114011.259	125836.084	229027.554	205389.602	160522.295	145553.89	175473.355	151653.699
162128.923	203456.292	456412.143	385905.19	263129.555	221146.786	425301.301	296159.57
48117.6638	77620.2079	227384.59	180515.588	102607.26	75592.8962	249827.946	144505.872
162128.923	203456.292	456412.143	385905.19	263129.555	221146.786	425301.301	296159.57
92.88	97.71	215.61	252.1	209.05	157.6	128.24	176.58
99984.4964	60275.992	143388.798	142225.098	135881.756	135083.101	159355.414	107722.761
142240.656	94751.2098	291386.78	268546.768	221253.196	206412.617	386884.243	205500.802
4.800756	3.133504	6.502915	8.077823	8.499082	7.335476	5.31978	7.182795
974.097738	602.736688	1413.64076	1435.04439	1519.73807	1605.95082	2058.64112	1384.74354
99.681409	112.687805	100.85447	99.356322	98.800995	89.324508	97.669564	92.217165
22.913881	22.46629	36.056008	44.675096	33.573867	25.877605	20.487895	32.092733

1118.5	1274.8	2274.7	2094.5	1788.7	1731	2266.1	1963.1
3.679276	3.62159	6.76994	6.545312	4.860597	4.917613	7.081562	5.576988
48117.6638	77620.2079	227384.59	180515.588	102607.26	75592.8962	249827.946	144505.872
48117.6638	77620.2079	227384.59	180515.588	102607.26	75592.8962	249827.946	144505.872
144.402261	672.063311	861.059235	659.455614	268.961929	125.049184	207.458884	578.356461
14026.7626	65560.0918	85638.7552	63164.5039	24640.5395	10470.7895	16117.9409	43930.9383
18.25	15.94	29.33	29.19	27.02	26.84	35.19	27.48
-48117.664	-77620.208	-227384.59	-180515.59	-102607.26	-75592.896	-249827.95	-144505.87
-190358.32	-172371.42	-518771.37	-449062.36	-323860.46	-282005.51	-636712.19	-350006.67
0.92	5.08	6.1	4.64	1.88	0.9	1.46	4.44
11246.5205	15072.4027	27559.8538	24317.0173	18186.4973	15490.8049	21553.2449	21294.4946
0.13	0.2	0.58	0.28	0.23	0.3	0.37	0.36
75.031	147.572	425.359	224.938	177.161	220.713	294.703	268.914
114011.259	125836.084	229027.554	205389.602	160522.295	145553.89	175473.355	151653.699
114011.259	125836.084	229027.554	205389.602	160522.295	145553.89	175473.355	151653.699
113725.493	125451.992	228111.872	204733.251	160014.279	145030.407	174654.627	150992.554
1118.5	1274.8	2274.7	2094.5	1788.7	1731	2266.1	1963.1
75.031	147.572	425.359	224.938	177.161	220.713	294.703	268.914
114011.259	125836.084	229027.554	205389.602	160522.295	145553.89	175473.355	151653.699
210.735	236.52	490.322999	431.412999	330.854999	302.77	524.024999	392.230999
		0.01	0.02	0.08			
	0.3	0.45	0.45	0.6	0.15	0.75	0.6
	0.000397	0.015505	0.007577	0.001146	0.00125	0.014171	0.004034
	0.000397	0.015505	0.006937	0.001114	0.00125	0.014125	0.004034
	75.460337	675.751423	43.062494	15.393934		70.421325	290.931392
	0.229317	2.078905	0.12901	0.046073		0.280932	0.830924
	0.56	20.84	8.88	1.64	1.76	18.08	5.68
0.029605	0.023465	0.035089	0.034656	0.026168	0.017357	0.0295	0.033096
	8.4	312.6	133.2	24.6	26.4	271.2	85.2
	199.168584	7560.15495	3221.40959	594.945015	638.477577	6558.90602	2060.54127
	0.503068	0.769696	0.769696	1.026262	0.256565	1.282827	1.026262
	12.12036	460.08468	196.04376	36.20628	38.85552	399.15216	125.39736
1180	1374.96	1296.84	1235.64	1433.48	1383.56	1242.24	1361.4
3.881578	3.906136	3.859642	3.861375	3.895326	3.930568	3.882	3.867613
1216	1408	1344	1280	1472	1408	1280	1408
4	4	4	4	4	4	4	4
	0.56	20.84	8.88	1.64	1.76	18.08	5.68
	7.546033	11.54545	11.54545	15.393934	3.848483	19.242417	15.393934
	7.546033	11.54545	11.54545	15.393934	3.848483	19.242417	15.393934
	211.288944	8020.23963	3417.45335	631.151295	677.333097	6958.05818	2185.93863
	225.992124	10533.9547	4285.19678	705.701992	769.541084	9491.13225	3037.35129
	14.703179	2513.71511	867.743426	74.550697	92.207987	2533.07407	851.412657
	225.992124	10533.9547	4285.19678	705.701992	769.541084	9491.13225	3037.35129
	0.14	5.21	2.22	0.41	0.44	4.52	1.42
	135.828607	7344.4882	3374.39086	615.757361	677.333097	6887.63685	1895.00724
	144.378563	9625.21535	4232.98267	690.206833	769.541084	9413.52483	2605.98878

	0.08	0.119631	0.119624	0.16	0.04	0.199877	0.157003
	0.36	19.084109	8.768105	1.6	1.76	17.897015	4.924036
	408.326388	490.103663	427.889276			411.129176	494.264438
	4.083263	9.802073	4.278892			8.222583	9.885288
	0.56	20.84	8.88	1.64	1.76	18.08	5.68
	0.00159	0.062023	0.02775	0.004456	0.005	0.0565	0.016136
	14.703179	2513.71511	867.743426	74.550697	92.207987	2533.07407	851.412657
	14.703179	2513.71511	867.743426	74.550697	92.207987	2533.07407	851.412657
	0.2	1.75589	0.111894	0.04		0.182984	0.755963
	75.460337	675.751423	43.062494	15.393934		70.421325	290.931392
	0.08	4.76	2.2	0.37	0.43	4.48	1.23
	-14.703179	-2513.7151	-867.74343	-74.550697	-92.207987	-2533.0741	-851.41266
	-159.08174	-12138.93	-5100.7261	-764.75753	-861.74907	-11946.599	-3457.4014
	0.05	0.42	0.02			0.03	0.18
	47.2126	1707.2541	716.6231	122.8377	114.4014	1136.6891	437.6403
	0.12	0.53	0.67	0.24	0.11	0.57	0.3
	211.288944	8020.23963	3417.45335	631.151295	677.333097	6958.05818	2185.93863
	211.288944	8020.23963	3417.45335	631.151295	677.333097	6958.05818	2185.93863
	211.288944	8020.23963	3417.45335	631.151295	677.333097	6958.05818	2185.93863
	0.56	20.84	8.88	1.64	1.76	18.08	5.68
	211.288944	8020.23963	3417.45335	631.151295	677.333097	6958.05818	2185.93863
10.608218	10.651408	10.478858	10.491796	10.474537	10.527017	10.861159	10.593595
0.496413	0.498679	0.581815	0.566121	0.556087	0.517412	0.392833	0.493382
0.468037	0.473715	0.551591	0.537395	0.525939	0.489646	0.279841	0.472166
289347.435	337807.247	379869.563	353066.365	396614.886	355615.776	187808.053	343805.692
1027.14785	1014.93073	1152.49105	1110.16601	1391.04934	1393.8053	749.941971	1198.76031
8337.802	9771.43	10860.618	10077.244	11341.786	10100.046	5247.594	9739.468
0.056776	0.05463	0.052172	0.053687	0.05519	0.062443	0.064125	0.049176
85981.6607	100597.35	110775.5	103005.557	116105.244	103735.548	54853.2639	100508.127
120575.485	140336.617	159979.594	148612.948	166170.581	149789.02	79011.7989	144370.176
3.3047	3.3047	3.3652	3.3652	3.3652	3.3652	3.3652	3.365199
163769.269	191607.772	213264.992	198306.297	223525.815	199711.677	105603.504	193498.246
16802.964	19500.322	18662.342	17745.252	20374.634	19339.172	13192.032	19612.834
55.272907	55.398642	55.542684	55.453912	55.365853	54.940829	41.2251	55.718278
17814.4	20627.2	19689.6	18752	21564.8	20627.2	18752	20627.2
58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6
8337.802	9771.43	10860.618	10077.244	11341.786	10100.046	5247.594	9739.468
39.89708	41.853715	40.522457	39.951956	39.783079	40.513565	44.590334	40.154717
35.653651	35.805295	35.871626	35.914768	35.87138	36.03279	37.15709	36.264272
314134.721	370073.455	410601.528	378349.4	428000.723	382034.546	209176.14	367348.875
469824.1	586626.483	925816.547	802743.38	706502.419	602443.468	424483.641	617544.962
155689.379	216553.028	515215.02	424393.981	278501.697	220408.922	215307.501	250196.086
469824.1	586626.483	925816.547	802743.38	706502.419	602443.468	424483.641	617544.962
286.74	332.77	318.47	302.82	347.69	328.91	225.12	334.69
					45.948829	8.28209	3.806242
					78.291726	12.292279	3.512308

					0.93042	0.219609	0.10117
					1.178405	0.219609	0.10117
32.789395	33.191859	34.966353	39.26395	36.631293	33.095351	21.813851	29.824604
24.592046	27.881162	24.126783	27.484765	30.770286	28.062377	12.215756	23.857952
8337.802	9771.43	10860.618	10077.244	11341.786	10100.046	5247.594	9739.468
27.42698	27.759744	32.323267	31.491387	30.82007	28.693312	16.398731	27.668943
110746.765	163970.793	457312.666	370552.976	217813.486	166186.351	186635.7	197660.488
110746.765	163970.793	457312.666	370552.976	217813.486	166186.351	186635.7	197660.488
8337.802	9771.43	10860.618	10077.244	11341.786	10098.8676	5247.37439	9739.36683
289347.435	337807.247	379869.563	353066.365	396614.886	355615.776	187808.053	343805.692
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14.46	16.2	14.84	12.31	17.55	17.42	9.96	17.84
						0.25	
73234.9085	99601.9765	94348.9475	86912.3032	89573.4856	75959.7186	49980.7643	87840.7701
1.16	1.51	1.41	1.16	1.44	1.21	0.98	1.08
24787.286	32266.2085	30731.9652	25283.0352	31385.8368	26372.8212	21359.8056	23539.3776
359077.335	422655.69	468503.881	432190.404	488688.933	436257.117	237847.941	419884.473
359077.335	422655.69	468503.881	432190.404	488688.933	436257.117	237847.941	419884.473
284344.754	331944.389	373244.586	346919.246	389696.396	349500.696	184615.302	337868.422
8337.802	9771.43	10860.618	10077.244	11341.786	10100.046	5247.594	9739.468
24787.286	32266.2085	30731.9652	25283.0352	31385.8368	26372.8212	21359.8056	23539.3776
359077.335	422655.69	468503.881	432190.404	488688.933	436257.117	237847.941	419884.473
5002.6812	5862.858	6624.97698	6147.11884	6918.48946	6161.02806	3201.03234	5941.07548
					0.04	0.01	0.01
3	2.4	4.35	5.1	5.4	4.35	3.15	4.5
0.070814	0.06894	0.134157	0.126646	0.094101	0.093695	0.1404	0.109197
0.069967	0.068664	0.132113	0.121062	0.08913	0.088693	0.132937	0.104005
2032.84001	11467.1904	14939.2746	9193.91096	3646.61217	1541.23485	2393.23857	8579.75389
7.061759	33.780913	44.633011	28.035149	12.35251	5.878029	9.346551	25.893448
297.78	338.38	621.46	542.36	459.2	437.08	595.56	512.54
0.032631	0.022642	0.028214	0.027062	0.031005	0.033125	0.039812	0.029375
4466.7	5075.7	9321.9	8135.4	6888	6556.2	8933.4	7688.1
31716.6408	34695.7804	64674.296	55244.8152	42252.0603	38137.5328	47582.455	40957.0211
1.307027	1.09622	1.780251	2.118816	2.05438	1.694433	1.105738	1.574942
289.671793	1648.33038	2082.78746	1365.48134	589.095097	267.38967	434.047728	1599.04944
4117.12	4816.42	4571.28	4358.76	4992.26	4764.76	4301.64	4783.24
13.543157	13.683011	13.605	13.621125	13.565923	13.53625	13.442625	13.58875
4256	4928	4704	4480	5152	4928	4480	4928
14	14	14	14	14	14	14	14
297.78	338.38	621.46	542.36	459.2	437.08	595.56	512.54
19.720464	16.539358	27.100226	31.925554	31.143592	25.634622	16.853588	24.009656
19.720464	16.539358	27.100226	31.925554	31.143592	25.634622	16.853588	24.009656
31737.6408	34790.2804	64968.296	55360.3152	42430.5603	38284.5328	47834.455	41135.5211
44585.657	55791.6483	130467.032	102170.67	68194.7784	57786.7275	116433.688	79701.6082

12848.0162	21001.3679	65498.7355	46810.3549	25764.2181	19502.1947	68599.2328	38566.0871
44585.657	55791.6483	130467.032	102170.67	68194.7784	57786.7275	116433.688	79701.6082
55.15	54.19	104.68	118.9	116.3	86.24	70.95	109.16
29704.8008	23323.09	50029.0214	46166.4042	38783.9481	36743.2979	45441.2164	32555.7672
41856.7411	36982.026	100825.023	85968.6256	61828.6678	55658.2841	110714.514	61513.8913
2.77768	2.076608	3.673512	4.507094	4.849066	4.026293	2.915305	4.044734
278.468547	228.491307	482.607502	451.32791	419.926993	419.254021	566.623484	405.936703
105.072945	109.861567	102.141534	106.949169	101.284751	91.888929	81.594613	86.388625
14.710212	17.566499	28.599629	30.991832	23.295492	12.86445	12.972882	24.16479
297.78	338.38	621.46	542.36	459.2	437.08	595.56	512.54
0.979539	0.961306	1.849583	1.694875	1.247826	1.241704	1.861125	1.456079
12848.0162	21001.3679	65498.7355	46810.3549	25764.2181	19502.1947	68599.2328	38566.0871
12848.0162	21001.3679	65498.7355	46810.3549	25764.2181	19502.1947	68599.2328	38566.0871
19.311452	109.888692	138.852497	91.032089	39.273006	17.825978	28.936515	106.603296
2032.84001	11467.1904	14939.2746	9193.91096	3646.61217	1541.23485	2393.23857	8579.75389
5.36	4.76	7.45	7.21	9.19	10.49	5.71	7.37
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0.41	1.93	1.81	1.38	0.64	0.29	0.19	1.97
6035.75	8088.515	14625.8916	12404.7236	9486.996	8088.8737	10744.4674	11088.9955
0.02	0.09	0.28	0.11	0.17	0.14	0.24	0.17
21	94.5	294	115.5	178.5	147	252	178.5
31737.6408	34790.2804	64968.296	55360.3152	42430.5603	38284.5328	47834.455	41135.5211
31737.6408	34790.2804	64968.296	55360.3152	42430.5603	38284.5328	47834.455	41135.5211
31716.6408	34695.7804	64674.296	55244.8152	42252.0603	38137.5328	47582.455	40957.0211
297.78	338.38	621.46	542.36	459.2	437.08	595.56	512.54
21	94.5	294	115.5	178.5	147	252	178.5
31737.6408	34790.2804	64968.296	55360.3152	42430.5603	38284.5328	47834.455	41135.5211
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11.172922	11.186545	11.097562	11.106287	11.070794	11.125742	11.439697	11.194128
0.38019	0.370566	0.445108	0.436008	0.415813	0.401564	0.338293	0.389021
0.365344	0.34976	0.429108	0.419361	0.40029	0.385585	0.300525	0.37482
1388965.62	1708453.61	2003199.29	1830410.11	1840654.79	1537186.88	1159565.28	1696713.89
4921.86828	5117.52631	6069.46916	5744.03097	6436.25508	6010.88737	4618.92408	5863.74299
40771.814	45195.822	52928.612	49263.242	54076.366	49825.062	35303.276	48434.012
0.035729	0.030464	0.033403	0.035667	0.032961	0.036056	0.035014	0.032962
447167.683	494758.258	577688.103	538268.074	589629.525	545146.28	396540.552	533443.289
861654.491	950024.355	1336008.4	1204434.04	1166128.13	1081990.56	899305.975	1047209.49
3.276107	3.307256	3.494073	3.476403	3.362034	3.343988	3.409221	3.315437
689175.538	777225.476	855902.776	802500.927	902823.126	824335.365	573522.807	799267.675
12850.4702	32643.0317	47708.7123	39347.6859	20201.063	9413.76861	17228.6874	30762.9761
107195.174	122074.047	118959.027	113032.837	130032.864	123828.372	104041.717	124493.169
352.615703	346.801269	354.044723	353.227615	353.350173	351.785147	325.130365	353.673775
111598.4	129219.2	123345.6	117472	135092.8	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
40771.814	45195.822	52928.612	49263.242	54076.366	49825.062	35303.276	48434.012

189.584455	210.523325	270.087884	296.526042	293.575029	232.027363	259.963606	271.129509
38.164508	38.563138	40.510338	40.314097	38.902734	38.885874	40.751915	38.805737
1660347.55	1853118.92	2341145	2141406.93	2217935.49	2044989.55	1581387.05	1979366.99
2412766.26	2837270.86	4916011.74	4265179.96	3585167.61	3081064.55	3179054.33	3248409.03
752418.711	984151.936	2574866.74	2123773.03	1367232.12	1036074.99	1597667.28	1269042.04
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235640.944	100493.095	295076.507	274353.656	331191.247	467306.993	389763.013	244164.647
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2916.93806	1044.05443	2694.04592	2737.87776	4503.09646	7681.42204	5238.45377	3483.36301
37.707187	38.966102	50.332214	50.525451	45.336418	38.265387	30.882139	41.970803
37.680576	38.94511	50.262355	50.511683	45.261064	38.22907	30.856192	41.888861
40771.814	45195.822	52928.612	49263.242	54076.366	49825.062	35303.276	48434.012
134.117809	128.397221	157.52563	153.947631	146.946646	141.548471	110.322737	137.596625
540845.03	750087.379	2316860.7	1881691.99	1093490.6	785599.288	1429250.08	1026358.57
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37854.8759	44151.7676	50234.5661	46525.3642	49573.2695	42143.64	30064.8222	44950.649
1388965.62	1708453.61	2003199.29	1830410.11	1840654.79	1537186.88	1159565.28	1696713.89
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250.39	325.89	284.96	268.59	287.06	240.2	254.36	289.94
	0.016528					0.054545	
260996.19	335457.477	373084.508	336524.46	329048.196	282051.984	224133.868	326464.976
3.18	4.3	6.2	5.82	5.25	4.58	5.15	5.27
35970.396	44643.2564	43899.4743	37212.1105	46761.0576	41156.5292	32841.6786	39286.1985
1871921.23	2087183.48	2599151.05	2383487.97	2491677.01	2295465.26	1749804.25	2222050.46
1871921.23	2087183.48	2599151.05	2383487.97	2491677.01	2295465.26	1749804.25	2222050.46
1550830.03	1727249.83	2191911.17	2006934.97	2068951.25	1906325.93	1472828.78	1846477.17
40771.814	45195.822	52928.612	49263.242	54076.366	49825.062	35303.276	48434.012
35970.396	44643.2564	43899.4743	37212.1105	46761.0576	41156.5292	32841.6786	39286.1985
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73547.1216	81225.8319	105334.354	97259.8454	102223.179	97507.0961	75716.5942	93603.6229
10.36	0.07	0.35	1.4	16.86	32.29	8.15	10.7

3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
673924.202	1285697.08	1083433.84	944478.542	773910.538	494028.004	436874.277	899520.977
2373.77479	3836.38708	3259.02176	2952.31479	2696.92158	1927.80536	1736.06527	3047.34228
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673924.202	1285697.08	1083433.84	944478.542	773910.538	494028.004	436874.277	899520.977
249.92	326.39	284.51	268.1	285.81	239	255.13	289.93
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108.561173	152.922948	125.870724	122.603853	98.122666	84.265518	105.721693	117.90851
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3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
4117492.71	6100378.68	7767147.1	6689022.86	5677981.47	4296586.5	3945664.85	5381052.64
85787.9756	117451.459	110905.725	101632.93	104832.485	89861.8106	80295.1043	101272.474
3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
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3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
673924.202	1285697.08	1083433.84	944478.542	773910.538	494028.004	436874.277	899520.977
2373.77479	3836.38708	3259.02176	2952.31479	2696.92158	1927.80536	1736.06527	3047.34228
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85787.9756	117451.459	110905.725	101632.93	104832.485	89861.8106	80295.1043	101272.474
673924.202	1285697.08	1083433.84	944478.542	773910.538	494028.004	436874.277	899520.977
249.92	326.39	284.51	268.1	285.81	239	255.13	289.93
202.058074	256.43913	229.726094	227.829187	201.423349	168.200848	178.63622	238.651846
108.561173	152.922948	125.870724	122.603853	98.122666	84.265518	105.721693	117.90851
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3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
4117492.71	6100378.68	7767147.1	6689022.86	5677981.47	4296586.5	3945664.85	5381052.64
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3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
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287702.204	338701.199	349028.891	331863.998	394849.666	406592.076	341230.49	303384.633
1023.24949	1018.99781	1060.39077	1048.45166	1392.79493	1597.53826	1363.92155	1072.74199
5836.92846	6871.60071	6797.05727	6462.78476	7689.38006	7918.05407	6645.18968	5908.17201
234121.928	280076.028	410052.14	362089.167	355602.395	330966.576	285112.806	253899.824
5836.92846	6871.60071	6797.05727	6462.78476	7689.38006	7918.05407	6645.18968	5908.17201
19.200422	19.521592	20.229337	20.196202	20.895054	22.494471	20.766217	16.784579
-53580.276	-58625.171	61023.2495	30225.1695	-39247.271	-75625.5	-56117.684	-49484.809

-53580.276	-58625.171	61023.2495	30225.1695	-39247.271	-75625.5	-56117.684	-49484.809
5836.92846	6871.60071	6797.05727	6462.78476	7689.38006	7918.05407	6645.18968	5908.17201
287702.204	338701.199	349028.891	331863.998	394849.666	406592.076	341230.49	303384.633
53580.276	58625.1712	-61023.25	-30225.17	39247.2713	75625.4999	56117.6838	49484.8086
53580.276	58625.1712	-61023.25	-30225.17	39247.2713	75625.4999	56117.6838	49484.8086
85787.9756	117451.459	110905.725	101632.93	104832.485	89861.8106	80295.1043	101272.474
287702.204	338701.199	349028.891	331863.998	394849.666	406592.076	341230.49	303384.633
287702.204	338701.199	349028.891	331863.998	394849.666	406592.076	341230.49	303384.633
5836.92846	6871.60071	6797.05727	6462.78476	7689.38006	7918.05407	6645.18968	5908.17201
287702.204	338701.199	349028.891	331863.998	394849.666	406592.076	341230.49	303384.633
287702.204	338701.199	349028.891	331863.998	394849.666	406592.076	341230.49	303384.633
5836.92846	6871.60071	6797.05727	6462.78476	7689.38006	7918.05407	6645.18968	5908.17201
234121.928	280076.028	410052.14	362089.167	355602.395	330966.576	285112.806	253899.824
-53580.276	-58625.171	61023.2495	30225.1695	-39247.271	-75625.5	-56117.684	-49484.809
287702.204	338701.199	349028.891	331863.998	394849.666	406592.076	341230.49	303384.633

274031.368	322539.754	331048.553	314833.656	374490.128	386035.248	323746.821	287263.117
974.633699	970.405604	1005.76936	994.64016	1320.98235	1516.75122	1294.0384	1015.78526
6557.3431	7718.1085	7636.64483	7262.59876	8638.75728	8905.08069	7468.2081	6626.60015
263050.988	314547.831	460712.441	406905.315	399519.238	372387.484	320587.087	284596.327
33.853514	41.013587	14.985968	38.73609	50.196743	13.064873	17.515508	24.588339
0.338535	2.870951	0.449579	0.774721	1.505902	0.261297	1.40124	1.721183
6557.3431	7718.1085	7636.64483	7262.59876	8638.75728	8905.08069	7468.2081	6626.60015
21.570207	21.926444	22.728109	22.695621	23.474883	25.298524	23.33815	18.825568
-10980.38	-7991.923	129663.888	92071.6591	25029.1102	-13647.764	-3159.7343	-2666.7896
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6557.3431	7718.1085	7636.64483	7262.59876	8638.75728	8905.08069	7468.2081	6626.60015
274031.368	322539.754	331048.553	314833.656	374490.128	386035.248	323746.821	287263.117
10980.3796	7991.92303	-129663.89	-92071.659	-25029.11	13647.7637	3159.73428	2666.78956
10980.3796	7991.92303	-129663.89	-92071.659	-25029.11	13647.7637	3159.73428	2666.78956
0.14	0.79	0.09	0.08	0.07	0.06	1.2	0.77
85787.9756	117451.459	110905.725	101632.93	104832.485	89861.8106	80295.1043	101272.474
274031.368	322539.754	331048.553	314833.656	374490.128	386035.248	323746.821	287263.117
274031.368	322539.754	331048.553	314833.656	374490.128	386035.248	323746.821	287263.117
6557.3431	7718.1085	7636.64483	7262.59876	8638.75728	8905.08069	7468.2081	6626.60015
274031.368	322539.754	331048.553	314833.656	374490.128	386035.248	323746.821	287263.117
274031.368	322539.754	331048.553	314833.656	374490.128	386035.248	323746.821	287263.117
6557.3431	7718.1085	7636.64483	7262.59876	8638.75728	8905.08069	7468.2081	6626.60015
263050.988	314547.831	460712.441	406905.315	399519.238	372387.484	320587.087	284596.327
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274031.368	322539.754	331048.553	314833.656	374490.128	386035.248	323746.821	287263.117

113167.621	158785.726	156383.61	129567.881	177446.031	168811.918	134445.659	166976.103
402.628614	477.61559	474.603484	408.650824	626.968467	665.20558	537.209594	589.125938
2209.01076	3099.46762	3052.57876	2529.14075	3463.71327	3295.17701	2624.35407	3259.34225
88451.1311	124955.523	183923.745	138670.072	160675.307	132767.169	106858.594	138620.292
2209.01076	3099.46762	3052.57876	2529.14075	3463.71327	3295.17701	2624.35407	3259.34225

7.266482	8.805305	9.085055	7.903564	9.412264	9.361298	8.201106	9.259495
-24716.49	-33830.204	27540.1351	9102.19132	-16770.724	-36044.749	-27587.065	-28355.811
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2209.01076	3099.46762	3052.57876	2529.14075	3463.71327	3295.17701	2624.35407	3259.34225
113167.621	158785.726	156383.61	129567.881	177446.031	168811.918	134445.659	166976.103
24716.4903	33830.2037	-27540.135	-9102.1913	16770.7242	36044.7487	27587.0649	28355.8109
24716.4903	33830.2037	-27540.135	-9102.1913	16770.7242	36044.7487	27587.0649	28355.8109
79851.5636	117451.459	110905.725	101632.93	104832.485	89861.8106	80295.1043	98144.0455
113167.621	158785.726	156383.61	129567.881	177446.031	168811.918	134445.659	166976.103
113167.621	158785.726	156383.61	129567.881	177446.031	168811.918	134445.659	166976.103
2209.01076	3099.46762	3052.57876	2529.14075	3463.71327	3295.17701	2624.35407	3259.34225
113167.621	158785.726	156383.61	129567.881	177446.031	168811.918	134445.659	166976.103
113167.621	158785.726	156383.61	129567.881	177446.031	168811.918	134445.659	166976.103
2209.01076	3099.46762	3052.57876	2529.14075	3463.71327	3295.17701	2624.35407	3259.34225
88451.1311	124955.523	183923.745	138670.072	160675.307	132767.169	106858.594	138620.292
-24716.49	-33830.204	27540.1351	9102.19132	-16770.724	-36044.749	-27587.065	-28355.811
113167.621	158785.726	156383.61	129567.881	177446.031	168811.918	134445.659	166976.103

262547.609	273895.738	293041.494	201442.625	346195.727	341588.111	246002.834	247148.982
934.663966	827.359409	893.477778	637.813473	1221.52494	1343.01415	983.255417	876.775093
2938.41756	3065.42516	3199.84161	2199.63557	3780.25472	3729.94224	2686.20697	2698.72224
119656.443	122813.035	196256.469	123032.557	175003.408	151274.518	104322.899	110657.674
2938.41756	3065.42516	3199.84161	2199.63557	3780.25472	3729.94224	2686.20697	2698.72224
9.665847	8.708594	9.523338	6.873861	10.272431	10.596426	8.394396	7.666824
-142891.17	-151082.7	-96785.026	-78410.068	-171192.32	-190313.59	-141679.94	-136491.31
-142891.17	-151082.7	-96785.026	-78410.068	-171192.32	-190313.59	-141679.94	-136491.31
2938.41756	3065.42516	3199.84161	2199.63557	3780.25472	3729.94224	2686.20697	2698.72224
262547.609	273895.738	293041.494	201442.625	346195.727	341588.111	246002.834	247148.982
142891.166	151082.704	96785.0258	78410.0685	171192.318	190313.593	141679.936	136491.308
142891.166	151082.704	96785.0258	78410.0685	171192.318	190313.593	141679.936	136491.308
85629.2708	115477.378	110905.725	101632.93	104832.485	89861.8106	80095.6627	101272.474
262547.609	273895.738	293041.494	201442.625	346195.727	341588.111	246002.834	247148.982
262547.609	273895.738	293041.494	201442.625	346195.727	341588.111	246002.834	247148.982
2938.41756	3065.42516	3199.84161	2199.63557	3780.25472	3729.94224	2686.20697	2698.72224
262547.609	273895.738	293041.494	201442.625	346195.727	341588.111	246002.834	247148.982
262547.609	273895.738	293041.494	201442.625	346195.727	341588.111	246002.834	247148.982
2938.41756	3065.42516	3199.84161	2199.63557	3780.25472	3729.94224	2686.20697	2698.72224
119656.443	122813.035	196256.469	123032.557	175003.408	151274.518	104322.899	110657.674
-142891.17	-151082.7	-96785.026	-78410.068	-171192.32	-190313.59	-141679.94	-136491.31
262547.609	273895.738	293041.494	201442.625	346195.727	341588.111	246002.834	247148.982

937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84
3335.17577	3294.37841	3434.24139	3089.55611	4562.27069	5122.50922	4178.42496	3554.42828
17541.6999	20754.602	20686.1225	18454.1598	23572.1053	23848.254	19423.9588	18492.8366
705280.49	842392.416	1250944.79	1030697.11	1090800.35	987395.748	816881.386	787774.118
33.853514	41.013587	14.985968	38.73609	50.196743	13.064873	17.515508	24.588339
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17541.6999	20754.602	20686.1225	18454.1598	23572.1053	23848.254	19423.9588	18492.8366
57.70296	58.961937	61.56584	57.669249	64.054634	67.750721	60.699871	52.536467
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17541.6999	20754.602	20686.1225	18454.1598	23572.1053	23848.254	19423.9588	18492.8366
937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84
232168.312	251530.001	-121442.25	-52988.951	202181.204	315631.605	228544.419	216998.717
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0.14	0.79	0.09	0.08	0.07	0.06	1.2	0.77
337056.786	467831.755	443622.9	406531.721	419329.94	359447.242	320980.976	401961.466
937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84
937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84
17541.6999	20754.602	20686.1225	18454.1598	23572.1053	23848.254	19423.9588	18492.8366
937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84
937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84
17541.6999	20754.602	20686.1225	18454.1598	23572.1053	23848.254	19423.9588	18492.8366
705280.49	842392.416	1250944.79	1030697.11	1090800.35	987395.748	816881.386	787774.118
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937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84

11.172922	11.186545	11.097562	11.106287	11.070794	11.125742	11.439697	11.194128
0.38019	0.370566	0.445108	0.436008	0.415813	0.401564	0.338293	0.389021
0.365344	0.34976	0.429108	0.419361	0.40029	0.385585	0.300525	0.37482
3443568.51	4814681.6	6683713.26	5744544.31	4904070.93	3802558.5	3508790.57	4481531.67
3000338.62	4088073.11	4216135.68	3752596.82	3907546.88	3334242.23	2641865.36	3601007.7
10630.8188	12248.2918	12762.7323	11785.9019	13695.4473	13061.202	10533.4143	12465.5135
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3148177.94	3645258.67	3539433.79	3370889.32	3876522.72	3707978.26	3370889.32	3707978.26
0.035729	0.030464	0.033403	0.035667	0.032961	0.036056	0.035014	0.032962
447167.683	494758.258	577688.103	538268.074	589629.525	545146.28	396540.552	533443.289
861654.491	950024.355	1336008.4	1204434.04	1166128.13	1081990.56	899305.975	1047209.49
3.276107	3.307256	3.494073	3.476403	3.362034	3.343988	3.409221	3.315437
689175.538	777225.476	855902.776	802500.927	902823.126	824335.365	573522.807	799267.675
12850.4702	32643.0317	47708.7123	39347.6859	20201.063	9413.76861	17228.6874	30762.9761
107195.174	122074.047	118959.027	113032.837	130032.864	123828.372	104041.717	124493.169
352.615703	346.801269	354.044723	353.227615	353.350173	351.785147	325.130365	353.673775
111598.4	129219.2	123345.6	117472	135092.8	129219.2	117472	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
40771.814	45195.822	52928.612	49263.242	54076.366	49825.062	35303.276	48434.012
189.584455	210.523325	270.087884	296.526042	293.575029	232.027363	259.963606	271.129509
38.164508	38.563138	40.510338	40.314097	38.902734	38.885874	40.751915	38.805737
1660347.55	1853118.92	2341145	2141406.93	2217935.49	2044989.55	1581387.05	1979366.99
2412766.26	2837270.86	4916011.74	4265179.96	3585167.61	3081064.55	3179054.33	3248409.03
85787.9756	117451.459	110905.725	101632.93	104832.485	89861.8106	80295.1043	101272.474
752418.711	984151.936	2574866.74	2123773.03	1367232.12	1036074.99	1597667.28	1269042.04

3118046.75	3679663.27	6166956.54	5295877.07	4675967.96	4068460.29	3995935.72	4036183.15
1100.65	1191.73	1516.97	1521.9	1572.62	1411.49	1043.6	1432.7
235640.944	100493.095	295076.507	274353.656	331191.247	467306.993	389763.013	244164.647
31.333895	31.944892	44.968005	42.231037	35.605783	32.754327	33.693216	33.462791
673924.202	1285697.08	1083433.84	944478.542	773910.538	494028.004	436874.277	899520.977
249.92	326.39	284.51	268.1	285.81	239	255.13	289.93
202.058074	256.43913	229.726094	227.829187	201.423349	168.200848	178.63622	238.651846
9.046764	9.557684	7.86692	7.66274	6.132666	5.266594	6.607605	7.369281
30,391	52,545	39,985	36,653	31,687	23,870	30,806	37,829
356019.182	158291.479	575847.654	503989.932	555730.156	769397.953	929391.345	462919.253
2.95436	0.847422	1.806878	2.413868	3.389261	4.329172	2.111283	2.743154
2,917	1,044	2,694	2,738	4,503	7,681	5,238	3,483
37.700092	38.911715	50.302449	50.460641	45.204475	38.261805	30.850708	41.907148
37.673506	38.890723	50.232591	50.446875	45.129121	38.225488	30.824765	41.826841
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-73.25878	-67.813744	-70.184641	-70.619808	-75.259763	-78.361901	-70.690423	-72.908884
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55396.5758	64906.3696	70920.6885	64979.5241	73145.3749	65991.894	49488.7811	63443.4856
2326414.42	2802376.03	3132701.84	2808118.27	3133636.34	2840214.23	2204991.08	2701486.73
6071496.05	7727318.34	7526838.06	6938671.66	7615542.74	6790093.37	5510557.04	7137466.6
6389401.07	8854723.93	8034424.25	7379160.27	7833723.12	6514723.42	5018039.97	7574068.33
	0.016528					0.054545	
683840.951	920740.69	927613.132	844689.111	853210.621	731361.037	625409.948	829698.916
3.18	4.3	6.2	5.82	5.25	4.58	5.15	5.27
35970.396	44643.2564	43899.4743	37212.1105	46761.0576	41156.5292	32841.6786	39286.1985
9401116.48	11641046.2	13951800.6	12476629.8	12565252.2	11109029.4	9674909.95	11416333.2
6252938.54	7995787.49	10412366.9	9105740.45	8688729.49	7401051.11	6304020.63	7708354.96
1550830.03	1727249.83	2191911.17	2006934.97	2068951.25	1906325.93	1472828.78	1846477.17
58313.5139	65950.424	73614.7345	67717.4018	77648.4713	73673.316	54727.2348	66926.8486
35970.396	44643.2564	43899.4743	37212.1105	46761.0576	41156.5292	32841.6786	39286.1985
6252938.54	7995787.49	10412366.9	9105740.45	8688729.49	7401051.11	6304020.63	7708354.96
73547.1216	81225.8319	105334.354	97259.8454	102223.179	97507.0961	75716.5942	93603.6229
937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84
17541.6999	20754.602	20686.1225	18454.1598	23572.1053	23848.254	19423.9588	18492.8366
705280.49	842392.416	1250944.79	1030697.11	1090800.35	987395.748	816881.386	787774.118
-232168.31	-251530	121442.246	52988.9514	-202181.2	-315631.61	-228544.42	-216998.72
937448.802	1093922.42	1129502.55	977708.16	1292981.55	1303027.35	1045425.8	1004772.84

2032-07	2032-08	2032-09	2032-10	2032-11	2032-12	2033-01	2033-02
3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72	3620139.53	3447751.93
-3707978.3	-3707978.3	-3539433.8	-3539433.8	-3539433.8	-3876522.7	-3620139.5	-3447751.9
-3707978.3	-3707978.3	-3539433.8	-3539433.8	-3539433.8	-3876522.7	-3620139.5	-3447751.9
3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72	3620139.53	3447751.93
3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72	3620139.53	3447751.93
3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72	3620139.53	3447751.93
54.565753	49.601953	41.813923	42.070673	41.899513	42.755333	62.209604	57.970854
26.247649	26.247576	26.247558	26.247668	26.247631	26.247649	26.772584	26.772566
54.441309	49.477509	41.689479	41.946229	41.775069	42.630889	62.085216	57.846466
54.537035	49.573235	41.785205	42.041955	41.870795	42.726615	62.180899	57.942149
53.81909	48.85529	41.06726	41.32401	41.15285	42.00867	61.463279	57.224529
54.096695	49.132895	41.344865	41.601615	41.430455	42.286275	61.740759	57.502009
54.51789	49.55409	41.76606	42.02281	41.85165	42.70747	62.161763	57.923013
54.55618	49.59238	41.80435	42.0611	41.88994	42.74576	62.200036	57.961286
24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.668451	24.668451
1.44	1.44	1.44	1.44	1.44	1.44	1.5	1.5
54.25943	49.29563	41.5076	41.76435	41.59319	42.44901	61.90342	57.66467
5.284294	5.280214	5.298672	5.434761	6.34103	7.178047	7.298125	7.34073
40.99584	37.686294	32.495811	32.678327	32.63974	33.280039	46.348678	43.526394
40.99584	37.686294	32.495811	32.678327	32.63974	33.280039	46.348678	43.526394

0.41682	0.41682	0.555759	0.13894	0.13894	0.41682	0.6947	0.41682
0.004348	0.005227	0.018968	0.00283	0.0005	0.003623	0.013464	0.011735
0.003914	0.005227	0.018968	0.00283	0.000476	0.003623	0.012962	0.011
8212.44864	2644.36332	2923.4307	1188.13626	36.351167	3349.42586	4771.25357	4052.43041
20.604898	6.975454	10.144155	4.278714	0.126311	9.46585	13.966137	12.330084
31	41.4	143.4	21.4	3.6	30	98	79.2
0.036335	0.030454	0.026517	0.027797	0.033154	0.022989	0.03372	0.031687
430.714	575.211599	1992.3996	297.3316	50.0184	416.82	1361.612	1100.4048
10416.7133	13911.3526	48185.6996	7190.89241	1209.68284	10080.6903	33588.8601	27145.2828
0.769696	0.769696	1.026262	0.256565	0.256565	0.769696	1.308482	0.785089
633.924865	846.596432	2932.41373	437.612648	73.617081	613.475675	2044.05193	1651.92769
7632.225	7678.8	7359.525	7349.85	7309.35	8089.65	7305.075	6971.85
21.682457	21.814772	21.903348	21.874553	21.754017	21.982744	21.741294	21.787031
7920	7920	7560	7560	7560	8280	7560	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
31	41.4	143.4	21.4	3.6	30	98	79.2
10.976684	10.760184	14.318228	3.578421	3.608878	10.897971	18.339968	11.141802
10.976684	10.760184	14.318228	3.578421	3.608878	10.897971	18.339968	11.141802
11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586	35837.213	28930.4575
17322.8759	20863.4014	95005.432	9838.43093	1366.45989	13390.0128	62555.0058	51764.7057
6196.87518	6037.77019	43668.9323	2180.60787	67.263776	2621.85423	26717.7928	22834.2482
17322.8759	20863.4014	95005.432	9838.43093	1366.45989	13390.0128	62555.0058	51764.7057
5.78	6.9	13.18	3.36	1.8	7.51	7.31	6.1
2913.55212	12181.2679	48413.069	6469.68679	1262.84495	7418.7327	31065.9594	24878.0271
4190.53044	17044.2653	90016.4932	8286.38876	1327.17419	9125.83766	53631.3877	43788.18
0.363506	0.515952	0.773195	0.172187	0.194356	0.576568	0.989568	0.592201
8.111362	34.036564	135.230391	18.07972	3.498415	20.652903	84.958752	68.097485
366.942017	365.01775	358.326156	357.842198	357.842198	371.839909	370.184049	366.838434
11.00826	7.232937	14.333046	3.578405	3.578421	11.057047	18.509202	7.336768
31	41.4	143.4	21.4	3.6	30	98	79.2
0.088068	0.117613	0.426785	0.06369	0.010714	0.081521	0.291666	0.2475
6196.87518	6037.77019	43668.9323	2180.60787	67.263776	2621.85423	26717.7928	22834.2482
6196.87518	6037.77019	43668.9323	2180.60787	67.263776	2621.85423	26717.7928	22834.2482
22.888637	7.363435	8.169608	3.320279	0.101584	9.347096	13.041247	11.102514
8212.44864	2644.36332	2923.4307	1188.13626	36.351167	3349.42586	4771.25357	4052.43041
0.11	0.25	0.57	0.24	0.13	0.26	0.64	0.2
-6196.8752	-6037.7702	-43668.932	-2180.6079	-67.263776	-2621.8542	-26717.793	-22834.248
-10387.406	-23082.036	-133685.43	-10466.997	-1394.438	-11747.692	-80349.181	-66622.428
0.12	0.04	0.02			0.1	0.13	0.04
601.7924	722.1702	1963.0404	284.1293	54.9803	522.7279	1640.8146	1295.482
0.03	0.01	0.02		0.01	0.03	0.06	0.02
32.8926	10.9642	21.9284		10.9642	32.8926	67.101	22.367
11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586	35837.213	28930.4575
11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586	35837.213	28930.4575
11050.6382	14757.949	51118.1133	7628.50506	1283.29992	10694.166	35632.912	28797.2105

31	41.4	143.4	21.4	3.6	30	98	79.2
32.8926	10.9642	21.9284		10.9642	32.8926	67.101	22.367
11126.0008	14825.6312	51336.4997	7657.82306	1299.19612	10768.1586	35837.213	28930.4575
42.47	56.718	196.458	29.318	4.932	41.1	137.2	110.88
6.5933	5.27464	2.63732	4.33274	3.39084	2.63732	4.426929	4.7095
0.279562	0.235889	0.157555	0.166939	0.126599	0.129475	0.218616	0.196117
0.271903	0.229346	0.154017	0.161041	0.124345	0.124483	0.213005	0.191031
325893.002	260380.229	116570.447	199888.821	113619.178	192187.605	291493.649	243141.854
915.549561	782.253055	419.707824	754.698736	396.568126	559.770491	855.911022	740.011204
5551.18	4682.34	3001.5	3138.38	2423.24	2656.98	4151.06	3545.54
0.033437	0.028977	0.02875	0.030595	0.028035	0.031059	0.027857	0.030531
52286.5644	44102.9605	28271.1285	29560.4012	22824.4976	25026.0946	39098.8341	33395.4413
278027.901	234585.567	148607.709	169806.345	152965.979	176863.403	285737.025	253774.829
3.721342	2.947239	1.453431	2.622584	2.273846	1.997576	3.059027	3.375997
51341.3607	41068.1495	18656.5262	29499.9999	14667.1546	23741.6907	34772.2094	27970.8607
19733.34	19824.4	18927.72	18891.76	18941.64	20681.06	18945.12	17993.34
56.060625	56.319318	56.3325	56.225476	56.373928	56.198532	56.384285	56.229187
20416	20416	19488	19488	19488	21344	19488	18560
58	58	58	58	58	58	58	58
5551.18	4682.34	3001.5	3138.38	2423.24	2656.98	4151.06	3545.54
41.955677	33.270803	16.460345	29.270894	25.016413	21.646203	33.482315	36.72704
41.955677	33.270803	16.460345	29.270894	25.016413	21.646203	33.482315	36.72704
331888.688	279885.177	177598.246	200283.615	176475.018	202593.49	326648.686	288685.582
630270.283	548034.339	568940.715	340164.951	295655.508	380355.337	731600.832	621672.03
298381.595	268149.163	391342.468	139881.336	119180.49	177761.847	404952.146	332986.448
630270.283	548034.339	568940.715	340164.951	295655.508	380355.337	731600.832	621672.03
210.53	158.57	99.96	113.6	98.67	92.57	190.44	206.17
5995.68617	19504.9478	61027.7989	394.793676	62855.8404	10405.8852	35155.0374	45543.7282
9340.51027	35332.8541	200582.328	541.023544	104168.605	19856.0219	79511.7626	91890.0694
6.267389	7.078027	10.587908	1.329875	11.445299	3.48982	7.687596	10.618634
100.350749	322.200974	1020.76678	6.41271	866.051906	136.363084	459.350757	575.918949
65.537317	63.040174	60.553016	70.127467	72.327618	82.768578	76.451469	78.693502
45.873502	35.299082	16.937074	32.25772	25.983345	23.154567	35.925525	39.343253
5551.18	4682.34	3001.5	3138.38	2423.24	2656.98	4151.06	3545.54
15.770397	13.302102	8.933035	9.340416	7.212023	7.220054	12.354345	11.079812
298381.595	268149.163	391342.468	139881.336	119180.49	177761.847	404952.146	332986.448
298381.595	268149.163	391342.468	139881.336	119180.49	177761.847	404952.146	332986.448
5450.82925	4360.13903	1980.73322	3131.96729	1557.18809	2520.61692	3691.70924	2969.62105
325893.002	260380.229	116570.447	199888.821	113619.178	192187.605	291493.649	243141.854
2.89	5.32	6.38	0.35	10.59	2.87	7.28	8.17
-298381.59	-268149.16	-391342.47	-139881.34	-119180.49	-177761.85	-404952.15	-332986.45
-307722.11	-303482.02	-591924.8	-140422.36	-223349.1	-197617.87	-484463.91	-424876.52
28.79	19.52	5.69	20.92	7.11	14.09	16.16	11.43
34208.6277	26841.277	14199.8235	14371.4213	11940.6372	15717.0741	24291.6948	19966.0799
1.02	0.6	0.29	0.63	0.44	0.39	0.45	0.32
513.9474	302.322	146.1223	317.4381	221.7028	196.5093	231.273	164.4608

331888.688	279885.177	177598.246	200283.615	176475.018	202593.49	326648.686	288685.582
331888.688	279885.177	177598.246	200283.615	176475.018	202593.49	326648.686	288685.582
278027.901	234585.567	148607.709	169806.345	152965.979	176863.403	285737.025	253774.829
5551.18	4682.34	3001.5	3138.38	2423.24	2656.98	4151.06	3545.54
513.9474	302.322	146.1223	317.4381	221.7028	196.5093	231.273	164.4608
331888.688	279885.177	177598.246	200283.615	176475.018	202593.49	326648.686	288685.582
53346.8398	44997.2874	28844.415	30159.8318	23287.3364	25533.5778	40680.388	34746.292
		0.02		0.03		0.12	0.12
10.900423	11.000901	11.293902		11.083026	11.167518	11.073492	11.061322
0.709593	0.673613	0.538943		0.627617	0.605876	0.666575	0.65236
0.685776	0.650552	0.396927		0.458517	0.587991	0.647695	0.628678
1021088.03	972148.655	565380.161		648527.756	927008.72	945481.174	875264.534
2998.07673	3022.02656	2076.76709		2250.75187	2733.4348	2806.75616	2710.46364
26794.676	25418.388	14803.79		17100.876	24018.27	24156.452	22330.656
0.033607	0.034488	0.036428	0.031815	0.044404	0.030489	0.02991	0.035875
289714.904	276074.088	164338.187		186936.925	263508.429	262673.156	243311.565
417355.252	397554.499	235776.859		269273.243	378494.836	395374.759	366445.665
3.3531	3.3531	3.3531		3.3531	3.3531	3.4217	3.4217
554253.582	528157.339	314395.386		357629.031	504117.975	504779.004	467571.835
37758.87	37724.46	27387.03		27288.24	39602.58	36180.45	34245.72
107.269517	107.171761	81.509017		81.215	107.615706	107.67991	107.017875
39072	39072	37296	37296	37296	40848	37296	35520
111	111	111	111	111	111	111	111
26794.676	25418.388	14803.79		17100.876	24018.27	24156.452	22330.656
38.700091	39.111388	40.280327		39.456596	39.723443	40.120022	40.076239
38.399502	38.737238	39.724274		39.010138	39.30036	39.764904	39.721746
1028173.06	980507.056	583679.077		665047.274	935012.091	952107.172	882439.333
1776202.61	1590792.6	1034850.75		915453.253	1378439.22	2020951.69	1734843.45
748029.543	610285.543	451171.676		250405.979	443427.132	1068844.51	852404.121
1776202.61	1590792.6	1034850.75		915453.253	1378439.22	2020951.69	1734843.45
340.17	339.86	246.67		245.84	356.78	325.95	308.52
90.952092	587.200117	12179.0957		10011.1381	37.890977	86.717627	734.598673
119.872788	948.075659	39048.3668		19372.4616	76.569196	174.691717	1597.85195
1.062405	3.327681	6.451498		8.767797	0.395422	0.525209	3.12832
2.438691	15.682811	327.963512		269.626132	1.004608	2.297957	19.02188
34.156144	32.239015	18.03577		31.823534	32.161679	37.843345	36.710463
34.155798	32.237761	18.030388		31.817463	31.840041	35.572698	36.709894
26794.676	25418.388	14803.79		17100.876	24018.27	24156.452	22330.656
76.121238	72.211329	44.058898		50.895464	65.267038	71.894202	69.7833
596595.563	465981.617	365272.106		152694.049	305691.276	931545.255	725225.166
596595.563	465981.617	365272.106		152694.049	305691.276	931545.255	725225.166
26792.2373	25402.7052	14475.8265		16831.2499	24017.2654	24154.154	22311.6341
1021088.03	972148.655	565380.161		648527.756	927008.72	945481.174	875264.534
0.08	0.37	1.76		4.68	0.04	0.14	0.86
-748029.54	-610285.54	-451171.68		-250405.98	-443427.13	-1068844.5	-852404.12
-748149.42	-611233.62	-490220.04		-269778.44	-443503.7	-1069019.2	-854001.97

238.98	251.67	194		196.02	302.34	247.73	239.63
		0.238095	1	0.238095			
112369.182	106471.389	65523.538		68609.6619	117889.743	107339.357	97081.8366
0.72	0.8	0.63		0.67	0.82	0.66	0.65
6994.08	7771.2	6119.82		6508.38	7965.48	6539.28	6440.2
1179607.04	1124810.98	669578.648		762759.205	1072747.95	1089406.43	1009618.29
1179607.04	1124810.98	669578.648		762759.205	1072747.95	1089406.43	1009618.29
971608.834	925711.838	550172.246		626902.273	882612.811	900153.762	834017.5
26794.676	25418.388	14803.79		17100.876	24018.27	24156.452	22330.656
6994.08	7771.2	6119.82		6508.38	7965.48	6539.28	6440.2
1179607.04	1124810.98	669578.648		762759.205	1072747.95	1089406.43	1009618.29
49570.1506	47024.0178	27387.0115		31636.6206	44433.7995	45414.1298	41981.6333
0.12	0.87	4.97		7.37	0.07	0.12	0.88
0.6	0.45	0.6	0.15	0.15	0.45	0.75	0.45
0.004232	0.004855	0.019692	0.00247	0.000178	0.003152	0.012385	0.012358
0.004232	0.004829	0.018214	0.00247	0.000178	0.003152	0.012321	0.011593
1273.14083	70.142352	218.294603	16.636203		334.818065	432.875397	494.448976
3.181244	0.184954	0.758845	0.058496		0.928029	1.27596	1.494033
4.47	5.1	18.36	2.49	0.18	3.48	12.42	11.13
0.034772	0.031278	0.025595	0.030744	0.033452	0.034646	0.028869	0.027718
67.05	76.5	275.4	37.35	2.7	52.2	186.3	166.95
1621.58794	1850.13389	6660.482	903.300663	65.298843	1262.4443	4595.73258	4118.39804
1.026262	0.769696	1.026262	0.256565	0.256565	0.769696	1.308482	0.785089
98.684189	112.5927	405.333719	54.971729	3.97386	76.827959	279.67356	250.62534
1019.28	1022.97	982.2	977.01	974.28	1065.75	978.9	933.39
2.895681	2.906164	2.923214	2.907767	2.899642	2.896059	2.913392	2.916843
1056	1056	1008	1008	1008	1104	1008	960
3	3	3	3	3	3	3	3
4.47	5.1	18.36	2.49	0.18	3.48	12.42	11.13
15.393934	11.54545	15.393934	3.848483	3.848483	11.54545	19.627238	11.776343
15.393934	11.54545	15.393934	3.848483	3.848483	11.54545	19.627238	11.776343
1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226	4875.40614	4369.02338
2629.16217	2702.29305	12512.3085	1209.59395	71.975404	1627.39949	8516.08234	7460.76512
908.890045	739.566459	5446.49279	251.321557	2.7027	288.127231	3640.6762	3091.74175
2629.16217	2702.29305	12512.3085	1209.59395	71.975404	1627.39949	8516.08234	7460.76512
1.49	1.7	6.12	0.83	0.06	1.16	4.14	3.71
447.131302	1892.58424	6847.52111	941.636189	69.272703	1004.4542	4442.53074	3874.5744
628.164517	2596.04512	12200.5706	1186.82773	71.975404	1199.90587	7708.26456	6529.24
0.058909	0.089797	0.119384	0.029479	0.03	0.09	0.149924	0.089878
1.161837	4.91774	17.792777	2.446772	0.18	2.61	11.317258	9.870401
384.84835	384.84835	384.84835	384.84835			392.544777	392.544777
3.848483	3.848483	7.696967	3.848483			3.925447	3.925447
4.47	5.1	18.36	2.49	0.18	3.48	12.42	11.13
0.012698	0.014488	0.054642	0.00741	0.000535	0.009456	0.036964	0.034781
908.890045	739.566459	5446.49279	251.321557	2.7027	288.127231	3640.6762	3091.74175
908.890045	739.566459	5446.49279	251.321557	2.7027	288.127231	3640.6762	3091.74175

3.308162	0.182259	0.567222	0.043227		0.87	1.102741	1.259598
1273.14083	70.142352	218.294603	16.636203		334.818065	432.875397	494.448976
							0.38
-908.89005	-739.56646	-5446.4928	-251.32156	-2.7027	-288.12723	-3640.6762	-3091.7417
-1537.0546	-3335.6116	-17647.063	-1438.1493	-74.678104	-1488.0331	-11348.941	-9620.9817
582.4033	590.4091	1681.5626	222.3296	18.5082	406.7102	1382.33	1214.8885
0.29	0.3	0.72	0.11	0.04	0.5	0.39	0.59
1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226	4875.40614	4369.02338
1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226	4875.40614	4369.02338
1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226	4875.40614	4369.02338
4.47	5.1	18.36	2.49	0.18	3.48	12.42	11.13
1720.27213	1962.72659	7065.81572	958.272393	69.272703	1339.27226	4875.40614	4369.02338
11.387551	11.558565	12.159936	11.583606	11.631477	11.83845	11.739084	11.718135
0.780635	0.738918	0.559959	0.72074	0.709252	0.656401	0.69629	0.691625
0.747645	0.704277	0.456901	0.692949	0.671283	0.547111	0.666333	0.661034
338750.748	321039.772	206441.254	303135.808	293758.544	264452.323	298839.965	282545.492
999.562827	1002.43661	785.975017	1150.70392	1034.83305	775.432014	886.809929	875.168843
11316.36	10659.94	6601.31	10011.74	9698.71	8657.5	9627.19	9095.83
0.041534	0.046534	0.047678	0.041815	0.055625	0.045217	0.043363	0.046906
127735.585	121075.49	78060.2771	114151.048	110749.154	99907.3756	110308.586	104208.073
183818.918	174265.707	112138.179	164802.169	159565.078	143505.822	165758.354	156822.528
2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5991	2.599099
141352.199	133982.138	86381.5026	126319.55	122555.014	110557.502	121240.167	114535.093
14507.34	14431.66	11790.17	13843.85	13644.33	13153.7	13821.49	13114.57
41.214034	40.999034	35.089791	41.201934	40.608125	35.74375	41.135386	40.983031
15136	15136	14448	14448	14448	15824	14448	13760
43	43	43	43	43	43	43	43
11316.36	10659.94	6601.31	10011.74	9698.71	8657.5	9627.19	9095.83
30.676793	31.145132	32.936281	31.224558	31.42827	32.074303	32.299847	32.311192
30.200263	30.633003	32.170785	30.688109	30.811816	31.350298	31.734882	31.6779
343795.725	325940.607	210621.377	307315.931	298851.568	269401.206	303397.746	287005.256
698431.068	621057.844	438001.45	507363.53	482583.6	481065.161	754065.344	683643.761
354635.343	295117.236	227380.073	200047.599	183732.032	211663.955	450667.598	396638.505
698431.068	621057.844	438001.45	507363.53	482583.6	481065.161	754065.344	683643.761
337.38	335.49	274.19	321.95	317.03	305.9	321.43	304.99
32.92352	33.307699	17.585565	31.455585	31.243305	22.718108	30.932007	34.288585
8.23088	9.326155	9.496205	27.366359	16.871384	3.862078	4.639801	5.829059
11316.36	10659.94	6601.31	10011.74	9698.71	8657.5	9627.19	9095.83
32.14875	30.28392	19.646755	29.796845	28.865208	23.525815	28.652351	28.424468
287867.952	231831.078	186577.966	140380.846	125843.449	159442.37	393009.3	342168.946
287867.952	231831.078	186577.966	140380.846	125843.449	159442.37	393009.3	342168.946

11316.36	10659.94	6601.31	10011.74	9698.71	8657.5	9627.19	9095.83
338750.748	321039.772	206441.254	303135.808	293758.544	264452.323	298839.965	282545.492
-354635.34	-295117.24	-227380.07	-200047.6	-183732.03	-211663.96	-450667.6	-396638.51
-354635.34	-295117.24	-227380.07	-200047.6	-183732.03	-211663.96	-450667.6	-396638.51
2.97	2.75	10.85	41.01	11.7	1.79	1.82	2.41
		0.142857			0.130434		
110218.104	103559.525	69575.0143	82268.9972	86691.0869	100397.354	104771.142	94669.0538
1.05	1.02	0.87	0.87	1.06	1.03	0.93	0.91
5044.977	4900.8348	4180.1238	4180.1238	5093.0244	4948.8822	4557.7812	4459.7644
410563.116	389226.766	251423.484	366982.684	356740.151	321622.791	361056.044	341474.816
410563.116	389226.766	251423.484	366982.684	356740.151	321622.791	361056.044	341474.816
325171.116	308247.844	198519.682	291121.72	282120.092	254063.323	286998.521	271357.621
11316.36	10659.94	6601.31	10011.74	9698.71	8657.5	9627.19	9095.83
5044.977	4900.8348	4180.1238	4180.1238	5093.0244	4948.8822	4557.7812	4459.7644
410563.116	389226.766	251423.484	366982.684	356740.151	321622.791	361056.044	341474.816
13579.632	12791.928	7921.572	12014.088	11638.452	10389	11841.4437	11187.8709
0.6	0.45	0.6	0.15	0.15	0.45	0.75	0.45
0.004232	0.005157	0.019736	0.002328	0.000178	0.00341	0.012395	0.012204
0.004232	0.004943	0.019315	0.002023	0.000178	0.002961	0.011845	0.009875
1249.00473	148.301646	182.211747			324.861109	404.751828	428.627373
3.11896	0.374158	0.635011			0.900001	1.189829	1.281368
4.47	5.22	19.47	2.04	0.18	3.27	11.94	9.48
0.048806	0.018011	0.022142	0.03613	0.02619	0.017445	0.026994	0.029281
67.05	78.3	292.05	30.6	2.7	49.05	179.1	142.2
1621.58794	1893.66645	7063.1582	740.053555	65.298843	1186.26232	4418.11973	3507.85385
1.026262	0.769696	1.026262	0.256565	0.256565	0.769696	1.308482	0.785089
98.684189	115.24194	429.839189	45.037079	3.97386	72.191789	268.86492	213.47064
1004.46	1036.98	985.68	971.58	981.6	1084.74	980.79	931.89
2.853579	2.945965	2.933571	2.891607	2.921428	2.947663	2.919017	2.912156
1056	1056	1008	1008	1008	1104	1008	960
3	3	3	3	3	3	3	3
4.47	5.22	19.47	2.04	0.18	3.27	11.94	9.48
15.393934	11.54545	15.393934	3.848483	3.848483	11.54545	19.627238	11.776343
15.393934	11.54545	15.393934	3.848483	3.848483	11.54545	19.627238	11.776343
1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411	4686.98465	3721.32449
2629.16217	2747.78164	13436.206	980.281308	71.975404	1537.57189	8152.41276	5897.45419
908.890045	738.873254	5943.20861	195.190673	2.7027	279.117784	3465.42811	2176.12969
2629.16217	2747.78164	13436.206	980.281308	71.975404	1537.57189	8152.41276	5897.45419
1.49	1.74	6.49	0.68	0.06	1.09	3.98	3.16
471.267399	1860.60674	7310.78564	785.090635	69.272703	933.592996	4282.23282	3292.69712
662.707242	2567.27444	13186.1802	980.281308	71.975404	1128.64708	7411.77423	5125.65845
0.058277	0.089837	0.119812	0.03	0.03	0.089512	0.149754	0.089711
1.224553	4.834649	18.996536	2.04	0.18	2.425872	10.908902	8.38808
384.84835	384.84835	412.253115			384.84835	392.544777	511.255411
3.848483	3.848483	8.245062			3.848483	3.925447	10.225108

4.47	5.22	19.47	2.04	0.18	3.27	11.94	9.48
0.012698	0.014829	0.057946	0.006071	0.000535	0.008885	0.035535	0.029625
908.890045	738.873254	5943.20861	195.190673	2.7027	279.117784	3465.42811	2176.12969
908.890045	738.873254	5943.20861	195.190673	2.7027	279.117784	3465.42811	2176.12969
3.245446	0.38535	0.473463			0.844127	1.031097	1.091919
1249.00473	148.301646	182.211747			324.861109	404.751828	428.627373
	0.32	0.01					0.23
-908.89005	-738.87325	-5943.2086	-195.19067	-2.7027	-279.11778	-3465.4281	-2176.1297
-1571.5973	-3306.1477	-19129.389	-1175.472	-74.678104	-1407.7649	-10877.202	-7301.7881
		0.03					0.06
582.4033	609.1472	1781.4734	182.8385	18.5082	384.0086	1331.8718	1045.073
0.29	0.32	0.75	0.1	0.04	0.45	0.38	0.57
1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411	4686.98465	3721.32449
1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411	4686.98465	3721.32449
1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411	4686.98465	3721.32449
4.47	5.22	19.47	2.04	0.18	3.27	11.94	9.48
1720.27213	2008.90839	7492.99739	785.090635	69.272703	1258.45411	4686.98465	3721.32449

8.684831	5.852761	3.575583	4.821973	2.843102	2.70687	5.126311	5.705076
0.175284	0.153012	0.114966	0.09311	0.066896	0.075576	0.136711	0.127698
0.170125	0.147267	0.112267	0.090928	0.064244	0.07369	0.133089	0.121481
184047.326	113923.987	52727.5028	108833.871	36229.784	76881.3018	100279.693	72975.5
504.353308	332.30372	188.739454	407.191975	128.853102	222.725614	290.101783	219.085669
2994.2	2591.9	1886.1	1527.6	1079.3	1355.9	2235.9	1943.7
0.03034	0.034076	0.031205	0.02677	0.032008	0.033641	0.037083	0.032109
43196.2	37416.7	27309.3	21955.2	15535.3	19546.3	32345.1	28080.9
228569.889	199474.743	145471.047	128043.388	107710.984	136142.57	234205.995	209469.06
3.238722	2.149158	1.287174	1.912533	1.261755	1.361064	2.241697	2.603195
34665.9186	21449.7122	10039.0814	18566.2797	5304.75877	11039.4472	13725.6647	9834.53285
17048.6	17024.4	16258.2	16363	16236.9	17774.1	16099.6	15458.5
48.433522	48.364772	48.3875	48.699404	48.324107	48.299184	47.915476	48.307812
17600	17600	16800	16800	16800	18400	16800	16000
50	50	50	50	50	50	50	50
2994.2	2591.9	1886.1	1527.6	1079.3	1355.9	2235.9	1943.7
80.941656	56.744142	33.729569	44.643757	31.184682	36.238376	55.506512	69.054237
46.407379	30.921671	18.49868	27.361314	18.011474	19.502836	32.309663	37.357956
229765.053	200179.401	146007.291	128557.259	108001.939	136614.785	234999.143	210086.833
419102.911	371294.575	443676.737	208293.091	169421.741	241485.228	507239.652	408766.744
189337.857	171115.174	297669.446	79735.8317	61419.8022	104870.443	272240.509	198679.911
419102.911	371294.575	443676.737	208293.091	169421.741	241485.228	507239.652	408766.744
305.61	218.74	148.26	128.86	96.72	106.74	196.81	245.02
45717.7275	86255.4139	93279.7886	19723.3884	71772.1549	59733.4834	134719.451	137111.333
72680.1093	151667.743	293714.147	30290.7337	112598.934	104139.491	290863.761	265919.794
6.23678	5.855679	4.904274	2.785233	4.010251	3.003008	6.066169	7.439611
570.259326	1085.72952	1182.65999	223.643024	706.630076	577.770415	1269.08633	1251.08158
91.849671	91.105417	90.40438	91.433293	102.811366	121.040029	106.466596	111.168544
55.933894	37.33149	21.560715	31.032936	20.555044	22.947809	36.17301	42.176844

2994.2	2591.9	1886.1	1527.6	1079.3	1355.9	2235.9	1943.7
8.50625	7.363352	5.613392	4.546428	3.212202	3.68451	6.654464	6.074062
189337.857	171115.174	297669.446	79735.8317	61419.8022	104870.443	272240.509	198679.911
189337.857	171115.174	297669.446	79735.8317	61419.8022	104870.443	272240.509	198679.911
2423.94067	1506.17048	703.440013	1303.95698	372.669923	778.129584	966.813671	692.618423
184047.326	113923.987	52727.5028	108833.871	36229.784	76881.3018	100279.693	72975.5
22.81	28.94	20.57	11.1	14.22	15.6	28.57	25.19
-189337.86	-171115.17	-297669.45	-79735.832	-61419.802	-104870.44	-272240.51	-198679.91
-262017.97	-322782.92	-591383.59	-110026.57	-174018.74	-209009.93	-563104.27	-464599.7
26.6	13.15	5.87	13.55	3.56	5.64	6.41	4.5
38553.6983	31003.7431	19192.1642	13948.8449	10696.4961	16432.9399	27850.9731	23002.0369
0.79	0.26	0.16	0.37	0.13	0.28	0.39	0.24
611.818	188.579	123.463	254.119	96.826	214.792	306.648	212.193
229765.053	200179.401	146007.291	128557.259	108001.939	136614.785	234999.143	210086.833
229765.053	200179.401	146007.291	128557.259	108001.939	136614.785	234999.143	210086.833
228569.889	199474.743	145471.047	128043.388	107710.984	136142.57	234205.995	209469.06
2994.2	2591.9	1886.1	1527.6	1079.3	1355.9	2235.9	1943.7
611.818	188.579	123.463	254.119	96.826	214.792	306.648	212.193
229765.053	200179.401	146007.291	128557.259	108001.939	136614.785	234999.143	210086.833
583.345999	516.078999	412.780999	259.752	194.129	257.422999	486.5	405.58
						0.04	0.03
0.6	0.45	0.6	0.15	0.15	0.45	0.75	0.45
0.004235	0.005215	0.019705	0.00247	0.000178	0.003152	0.012483	0.012222
0.004232	0.004147	0.019494	0.00247	0.000178	0.003152	0.012321	0.010281
1576.81016	184.727208	144.73113			415.636218	502.350402	417.766598
3.923858	0.466222	0.522744			1.151132	1.484739	1.26855
5.96	5.84	26.2	3.32	0.24	4.64	16.56	13.16
0.037755	0.037528	0.025654	0.022589	0.023065	0.028586	0.047946	0.033156
89.4	87.6	393	49.8	3.6	69.6	248.4	197.4
2162.11725	2118.58469	9504.60939	1204.40088	87.065124	1683.25907	6127.64344	4869.5524
1.026262	0.769696	1.026262	0.256565	0.256565	0.769696	1.308482	0.785089
131.57892	128.92968	578.4174	73.29564	5.29848	102.43728	372.89808	296.33688
1354.84	1355.16	1309.52	1313.64	1313	1429.92	1279.56	1237.56
3.848977	3.849886	3.89738	3.909642	3.907738	3.885652	3.808214	3.867375
1408	1408	1344	1344	1344	1472	1344	1280
4	4	4	4	4	4	4	4
5.96	5.84	26.2	3.32	0.24	4.64	16.56	13.16
15.393934	11.54545	15.393934	3.848483	3.848483	11.54545	19.627238	11.776343
15.393934	11.54545	15.393934	3.848483	3.848483	11.54545	19.627238	11.776343
2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635	6500.54152	5165.88928
3505.54956	3060.99598	18061.4232	1612.79193	95.967205	2169.86599	11354.7764	8265.37973
1211.85339	813.481607	7978.39636	335.095409	3.603601	384.169641	4854.23493	3099.49045
3505.54956	3060.99598	18061.4232	1612.79193	95.967205	2169.86599	11354.7764	8265.37973
1.49	1.46	6.55	0.83	0.06	1.16	4.14	3.29
716.886014	2062.78716	9938.29566	1277.69652	92.363604	1370.06013	5998.19112	4748.12268
1001.22703	2839.81453	17859.6781	1612.79193	95.967205	1654.16169	10461.3195	7473.47354

0.07686	0.12	0.159565	0.04	0.04	0.12	0.19987	0.119434
1.862775	5.36	25.823926	3.32	0.24	3.56	15.280272	12.095747
449.495079	540.407175	476.902911			466.009682	548.687301	540.786684
17.979803	10.808143	14.307087			9.320193	10.973746	10.815733
5.96	5.84	26.2	3.32	0.24	4.64	16.56	13.16
0.016931	0.01659	0.077976	0.00988	0.000714	0.012608	0.049285	0.041125
1211.85339	813.481607	7978.39636	335.095409	3.603601	384.169641	4854.23493	3099.49045
1211.85339	813.481607	7978.39636	335.095409	3.603601	384.169641	4854.23493	3099.49045
4.097224	0.48	0.376073			1.08	1.279727	1.064252
1576.81016	184.727208	144.73113			415.636218	502.350402	417.766598
0.49	1.34	6.46	0.83	0.06	0.88	3.82	3.04
-1211.8534	-813.48161	-7978.3964	-335.09541	-3.603601	-384.16964	-4854.2349	-3099.4905
-2213.0804	-3653.2961	-25838.074	-1947.8873	-99.570806	-2038.3313	-15315.554	-10572.964
0.98	0.12	0.08			0.27	0.31	0.24
582.4033	521.8761	1793.8236	222.3296	18.5082	406.7102	1382.33	1079.3651
0.29	0.29	0.75	0.11	0.04	0.5	0.39	0.63
2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635	6500.54152	5165.88928
2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635	6500.54152	5165.88928
2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635	6500.54152	5165.88928
5.96	5.84	26.2	3.32	0.24	4.64	16.56	13.16
2293.69617	2247.51437	10083.0268	1277.69652	92.363604	1785.69635	6500.54152	5165.88928
10.333949	10.470507	10.891878	10.494935	10.574994	10.694082	10.575666	10.550124
0.601451	0.562791	0.389148	0.523228	0.513573	0.483205	0.549081	0.545721
0.567916	0.526183	0.36938	0.49212	0.487015	0.45766	0.518004	0.519166
408779.35	380025.298	260708.413	341623.978	337997.476	348356.324	365531.818	349662.37
1193.7436	1178.11328	977.098548	1295.87275	1188.30255	1026.29908	1086.36645	1082.24994
11714.52	10853.69	7272.946	9689.656	9589.15	9869.366	10199.31	9735.408
0.058181	0.067897	0.051755	0.061696	0.05366	0.053994	0.057648	0.049718
119374.975	110994.512	76300.4409	99470.4126	98657.1235	101887.193	104392.614	99806.1193
171812.792	159717.914	109387.791	144212.85	142213.401	146182.787	157302.491	150591.402
3.3652	3.3652	3.365199	3.3652	3.3652	3.365199	3.4341	3.4341
229820.701	213686.634	146893.609	191500.438	189934.694	196153.223	201905.754	193035.015
19427.072	19226.66	18670.546	18474.822	18633.042	20400.418	18554.518	17819.674
55.190545	54.621193	55.567101	54.984589	55.455482	55.435918	55.221779	55.686481
20627.2	20627.2	19689.6	19689.6	19689.6	21564.8	19689.6	18752
58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.6
11714.52	10853.69	7272.946	9689.656	9589.15	9869.366	10199.31	9735.408
39.304202	40.421275	42.672014	39.799195	40.546343	41.988239	41.468376	41.196576
35.384024	35.843394	37.267549	35.916195	36.191134	36.601733	36.932622	36.84292
440383.144	411629.092	286000.932	368214.757	363716.426	378652.375	391542.825	375228.744
823293.747	730737.436	638618.037	574047.379	562919.707	631983.518	919164.981	846722.073
382910.603	319108.344	352617.105	205832.623	199203.281	253331.144	527622.157	471493.329
823293.747	730737.436	638618.037	574047.379	562919.707	631983.518	919164.981	846722.073
331.52	328.1	318.61	315.27	317.97	348.13	316.63	304.09
		9.483915					
		30.382178					

		0.243202					
		0.243202					
34.856136	34.151143	17.926607	30.583245	33.125252	33.73469	36.241736	41.682857
27.884908	26.637891	17.388809	30.583245	32.793999	26.650405	25.006797	28.761171
11714.52	10853.69	7272.946	9689.656	9589.15	9869.366	10199.31	9735.408
33.279886	30.834346	21.645672	28.838261	28.539136	26.818929	30.355089	30.42315
320513.303	261091.513	312734.865	153839.438	147635.203	200074.708	473056.137	419324.671
320513.303	261091.513	312734.865	153839.438	147635.203	200074.708	473056.137	419324.671
11714.52	10853.69	7272.7028	9689.656	9589.15	9869.366	10199.31	9735.408
408779.35	380025.298	260708.413	341623.978	337997.476	348356.324	365531.818	349662.37
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12.34	14.03	69.46	235.89	73.09	16.01	13.67	13.56
100888.659	95214.3896	77403.4792	75207.3131	81935.4368	107047.203	96518.6239	89695.9565
1.45	1.45	1.16	1.22	1.18	1.39	1.17	1.15
31603.794	31603.794	25283.0352	26590.7784	25718.9496	30296.0508	26011.0071	25566.3745
502780.444	469645.924	325883.173	420207.941	415284.505	431908.81	446108.844	427397.403
502780.444	469645.924	325883.173	420207.941	415284.505	431908.81	446108.844	427397.403
401633.493	373404.548	256281.4	335713.288	332148.095	342336.011	359208.245	343626.417
11714.52	10853.69	7272.946	9689.656	9589.15	9869.366	10199.31	9735.408
31603.794	31603.794	25283.0352	26590.7784	25718.9496	30296.0508	26011.0071	25566.3745
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7145.8572	6620.7509	4436.49706	5910.69016	5849.3815	6020.31326	6323.5722	6035.95296
8.1	5.55	3.6	3.45	2.7	2.55	4.35	5.55
0.164256	0.145268	0.110927	0.082345	0.061538	0.070242	0.131298	0.118662
0.157585	0.139886	0.110297	0.079702	0.060089	0.069048	0.125505	0.1165
40198.8929	21734.9654	11229.4926	22269.8797	7535.43351	13615.9766	16574.5739	12139.9069
108.502757	62.465942	40.163034	82.726419	26.817869	39.443837	47.626551	36.649095
776.58	689.36	518.84	374.92	282.66	355.74	590.38	521.92
0.02784	0.027301	0.036101	0.03369	0.025952	0.015706	0.024642	0.03075
11648.7	10340.4	7782.6	5623.8	4239.9	5336.1	8855.7	7828.8
61513.1456	55197.9738	41546.2506	32953.828	29747.9559	37056.0716	63802.4825	58929.7622
2.867253	1.940695	1.235385	1.269228	1.130919	1.202102	1.845576	2.445502
7573.14613	4094.40916	2151.13265	3747.81762	1100.74039	1930.2029	2315.5825	1610.80691
4790.8	4793.46	4534.18	4545.52	4581.92	5071.08	4588.08	4342.24
13.610227	13.617784	13.494583	13.528333	13.636666	13.780108	13.655	13.5695
4928	4928	4704	4704	4704	5152	4704	4480
14	14	14	14	14	14	14	14
776.58	689.36	518.84	374.92	282.66	355.74	590.38	521.92
43.787804	29.214385	18.718433	19.285028	16.985446	18.13468	28.258594	38.443062
43.787804	29.214385	18.718433	19.285028	16.985446	18.13468	28.258594	38.443062
61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716	64054.4825	59076.7622
110377.987	100952.684	125203.607	54097.8731	46160.8717	65580.1523	136133.952	118411.805

48444.8414	45618.21	83594.356	20986.5451	16381.4158	28408.5806	72079.4692	59335.0426
110377.987	100952.684	125203.607	54097.8731	46160.8717	65580.1523	136133.952	118411.805
164.56	120.41	87.82	71.33	51.59	57.93	96.87	128.71
21734.2527	33599.5084	30379.758	10841.4483	22244.0224	23555.595	47479.9085	46936.8553
34135.3633	59894.6192	94961.6726	17227.5604	34654.0911	41500.6469	100402.304	91868.4613
5.753162	4.468588	3.064591	2.536762	2.379892	2.167512	3.877466	4.935421
271.703591	416.399389	375.431156	125.065492	209.277307	227.059806	436.007833	414.532872
86.603891	83.372222	81.940317	87.039897	96.755975	111.663271	107.919177	111.870177
45.671809	30.821399	17.207466	19.911418	16.448515	18.922567	26.938075	35.748199
776.58	689.36	518.84	374.92	282.66	355.74	590.38	521.92
2.206193	1.958409	1.544166	1.115833	0.84125	0.966684	1.757083	1.631
48444.8414	45618.21	83594.356	20986.5451	16381.4158	28408.5806	72079.4692	59335.0426
48444.8414	45618.21	83594.356	20986.5451	16381.4158	28408.5806	72079.4692	59335.0426
504.876408	272.96061	143.408843	249.854507	73.382692	128.680193	154.372166	107.387127
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7.6	4.1	1.85	4.39	1.43	2.3	2.19	1.45
20009.0002	16433.2456	10196.6471	7123.6741	5748.6361	8702.1689	14347.6846	12194.6373
0.4	0.13	0.06	0.15	0.03	0.11	0.24	0.14
420	136.5	63	157.5	31.5	115.5	252	147
61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716	64054.4825	59076.7622
61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716	64054.4825	59076.7622
61513.1456	55197.9738	41546.2506	32953.828	29747.9559	37056.0716	63802.4825	58929.7622
776.58	689.36	518.84	374.92	282.66	355.74	590.38	521.92
420	136.5	63	157.5	31.5	115.5	252	147
61933.1456	55334.4738	41609.2506	33111.328	29779.4559	37171.5716	64054.4825	59076.7622
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0.458085	0.42527	0.278014	0.20083	0.325736	0.347576	0.414276	0.40253
2331068.76	2072300.44	1216525.94	976957.13	1437704.52	1826926.99	2024312.1	1841122.93
6750.61774	6387.59996	4500.51173	3695.53101	5026.25287	5369.55085	5991.48856	5680.00244
59193.416	54953.178	34291.916	24771.546	40178.136	46955.146	51099.212	47286.024
0.037541	0.035511	0.033003	0.033674	0.035232	0.031583	0.035919	0.034531
644611.142	600821.762	385014.783	271175.944	439001.918	515799.162	559649.402	518237.853
1356919.9	1240570.14	864341.786	649857.228	862903.986	1032458.15	1350911.46	1235674.33
3.424715	3.374428	3.353333	3.226539	3.301344	3.371764	3.565439	3.570391
926389.354	877029.471	552016.502	318430.906	670205.602	811693.633	830890.413	777554.303
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124276.827	124118.95	108204.771	82731.032	109904.302	128352.998	118733.583	113048.734
353.059167	352.610653	322.038008	246.223309	327.096136	348.78532	353.373758	353.277293
129219.2	129219.2	123345.6	123345.6	123345.6	135092.8	123345.6	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
59193.416	54953.178	34291.916	24771.546	40178.136	46955.146	51099.212	47286.024

332.524712	275.303664	245.297002	179.347307	199.772081	235.339571	308.357354	304.279181
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4483765.35	3992243.95	3388306.67	1697607.92	2473801.06	3197633.47	5159734.72	4487448.17
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1700.02	1512.97	1207.85	956.71	1129.8	1278.97	1467.7	1513.76
78087.4553	157944.316	269385.597	40433.7405	168376.91	104459.695	263230.028	267119.937
122758.485	272890.692	761599.819	60125.6074	272361.184	178681.282	550165.265	514192.729
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957.112887	1889.16165	3104.90827	381.007719	2055.68384	971.446691	2289.20806	2359.00699
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58236.3031	53064.0163	31187.0077	24390.5383	38122.4522	45983.6993	48810.0039	44927.017
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318.38	305.38	287.85	315.76	292.91	342.54	288.42	273.32
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418596.274	381967.172	263310.566	193831.878	265732.46	367906.639	380856.822	341244.41
6.33	5.18	5.41	3.56	3.64	5.5	5.06	5.22
45221.509	44914.194	35937.4927	31499.9593	37681.347	43770.1069	37965.0903	37012.3597
2733397.73	2540127.5	1688078.43	1159821.71	1850570.38	2217810.98	2574173.78	2378526.38
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2283309.26	2117599.61	1416358.29	968288.134	1533109.59	1844151.78	2181801.88	2013228.64
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45221.509	44914.194	35937.4927	31499.9593	37681.347	43770.1069	37965.0903	37012.3597
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124268.296	112006.781	69198.7346	48373.68	72610.8515	86675.2136	104883.234	94468.2091
0.12	0.87	4.99		7.4	0.07	0.31	1.04

6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15	1143213.94	952268.626
4591.75931	3851.25833	1966.52546	4932.1909	3515.74759	4159.61993	3362.59861	2923.74487
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317.61	304.93	289.83	318.88	293.32	343.28	287.95	272.83
273.905333	257.861441	234.047515	227.307865	218.398877	260.594318	238.212947	234.452186
139.669215	136.833315	133.596078	139.707439	121.233444	159.426094	137.92737	130.600073
46599.4002	45433.2016	42607.333	45765.4553	38145.1018	57419.1247	44013.3978	39310.5882

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-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4	-7068805	-6040236.5
-56.045128	-50.504894	-42.531236	-42.102161	-42.037354	-42.898605	-62.282596	-58.213833
-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4	-7068805	-6040236.5
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
8330314.95	6981344.87	4361316.66	5054137.69	5018842.59	6783470.55	8212018.96	6992505.12
119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981	113433.948	103409.228
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15	1143213.94	952268.626
4591.75931	3851.25833	1966.52546	4932.1909	3515.74759	4159.61993	3362.59861	2923.74487
-119511.88	-113400.05	-90273.296	-88848.825	-95609.544	-125037.98	-113433.95	-103409.23
119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981	113433.948	103409.228
1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15	1143213.94	952268.626
317.61	304.93	289.83	318.88	293.32	343.28	287.95	272.83
273.905333	257.861441	234.047515	227.307865	218.398877	260.594318	238.212947	234.452186
139.669215	136.833315	133.596078	139.707439	121.233444	159.426094	137.92737	130.600073
46599.4002	45433.2016	42607.333	45765.4553	38145.1018	57419.1247	44013.3978	39310.5882
-119511.88	-113400.05	-90273.296	-88848.825	-95609.544	-125037.98	-113433.95	-103409.23
-339.5224	-322.15922	-268.67052	-264.43103	-284.55221	-339.77712	-337.60104	-323.15384
-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4	-7068805	-6040236.5
-56.045128	-50.504894	-42.531236	-42.102161	-42.037354	-42.898605	-62.282596	-58.213833
-6744653.6	-5726426.2	-3828173.4	-3742932.4	-4018924.6	-5364423.4	-7068805	-6040236.5
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
8330314.95	6981344.87	4361316.66	5054137.69	5018842.59	6783470.55	8212018.96	6992505.12
119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981	113433.948	103409.228
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49

232317.193	229481.25	280683.216	322121.219	330997.801	368618.376	361568.066	357425.079
693.412139	720.49095	1056.8899	1223.16383	1167.49492	1088.63314	1073.88439	1109.56142
4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676	6787.46135	6709.68799
244162.574	220919.018	224511.663	263185.208	269366.074	305645.348	424515.46	387596.849
4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676	6787.46135	6709.68799
12.852814	12.695917	16.268095	18.669797	19.184274	19.50692	20.200777	20.967774
11845.3812	-8562.2323	-56171.553	-58936.011	-61631.726	-62973.028	62947.3945	30171.7704

11845.3812	-8562.2323	-56171.553	-58936.011	-61631.726	-62973.028	62947.3945	30171.7704
4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676	6787.46135	6709.68799
232317.193	229481.25	280683.216	322121.219	330997.801	368618.376	361568.066	357425.079
-11845.381	8562.23226	56171.5532	58936.0114	61631.7265	62973.0282	-62947.395	-30171.77
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119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981	113433.948	103409.228
232317.193	229481.25	280683.216	322121.219	330997.801	368618.376	361568.066	357425.079
232317.193	229481.25	280683.216	322121.219	330997.801	368618.376	361568.066	357425.079
4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676	6787.46135	6709.68799
232317.193	229481.25	280683.216	322121.219	330997.801	368618.376	361568.066	357425.079
232317.193	229481.25	280683.216	322121.219	330997.801	368618.376	361568.066	357425.079
4524.19072	4468.96301	5466.08015	6273.05198	6445.91627	7178.54676	6787.46135	6709.68799
244162.574	220919.018	224511.663	263185.208	269366.074	305645.348	424515.46	387596.849
11845.3812	-8562.2323	-56171.553	-58936.011	-61631.726	-62973.028	62947.3945	30171.7704
232317.193	229481.25	280683.216	322121.219	330997.801	368618.376	361568.066	357425.079

220752.025	217882.924	265994.863	305298.817	313908.799	349497.913	341710.903	337861.709
658.843522	684.044876	1001.59534	1159.3327	1107.22411	1032.19323	1014.9128	1048.82209
5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558	7625.77334	7539.873
274957.822	248471.201	251848.593	295495.864	302606.294	343225.941	476976.241	435566.305
39.628412	22.358887	23.331988	25.676179	22.612989	27.83612		37.063891
1.188852	0.670766	4.666397	7.446092	2.035169	2.50525		0.370638
5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558	7625.77334	7539.873
14.466815	14.27879	18.261854	20.960263	21.551381	21.908248	22.695753	23.562103
54205.7974	30588.2767	-14146.27	-9802.9527	-11302.505	-6271.9716	135265.337	97704.5958
54205.7974	30588.2767	-14146.27	-9802.9527	-11302.505	-6271.9716	135265.337	97704.5958
5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558	7625.77334	7539.873
220752.025	217882.924	265994.863	305298.817	313908.799	349497.913	341710.903	337861.709
-54205.797	-30588.277	14146.2697	9802.95275	11302.5051	6271.97161	-135265.34	-97704.596
-54205.797	-30588.277	14146.2697	9802.95275	11302.5051	6271.97161	-135265.34	-97704.596
0.12	0.22	2.28	3.63	1.11	1.06		0.12
119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981	113433.948	103409.228
220752.025	217882.924	265994.863	305298.817	313908.799	349497.913	341710.903	337861.709
220752.025	217882.924	265994.863	305298.817	313908.799	349497.913	341710.903	337861.709
5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558	7625.77334	7539.873
220752.025	217882.924	265994.863	305298.817	313908.799	349497.913	341710.903	337861.709
220752.025	217882.924	265994.863	305298.817	313908.799	349497.913	341710.903	337861.709
5092.3189	5026.13435	6135.983	7042.64861	7241.2641	8062.23558	7625.77334	7539.873
274957.822	248471.201	251848.593	295495.864	302606.294	343225.941	476976.241	435566.305
54205.7974	30588.2767	-14146.27	-9802.9527	-11302.505	-6271.9716	135265.337	97704.5958
220752.025	217882.924	265994.863	305298.817	313908.799	349497.913	341710.903	337861.709

158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257	155081.887	135009.726
468.563778	539.202212	453.812436	378.576649	438.605816	488.377707	460.154581	418.447514
3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283	3027.16937	2635.36455
168579.429	173718.322	91544.2073	82154.4898	102046.669	137339.923	198823.275	154414.418
3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283	3027.16937	2635.36455

8.772085	9.566419	7.051104	5.791106	7.222521	8.768812	9.009432	8.235514
10392.7583	1207.46831	-29828.437	-17529.446	-22276.615	-27975.333	43741.3886	19404.6918
10392.7583	1207.46831	-29828.437	-17529.446	-22276.615	-27975.333	43741.3886	19404.6918
3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283	3027.16937	2635.36455
158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257	155081.887	135009.726
-10392.758	-1207.4683	29828.4369	17529.4458	22276.615	27975.3331	-43741.389	-19404.692
-10392.758	-1207.4683	29828.4369	17529.4458	22276.615	27975.3331	-43741.389	-19404.692
115373.885	113400.045	90273.2955	80304.2017	88766.7529	125037.981	113433.948	103409.228
158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257	155081.887	135009.726
158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257	155081.887	135009.726
3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283	3027.16937	2635.36455
158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257	155081.887	135009.726
158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257	155081.887	135009.726
3087.77418	3367.37953	2369.17127	1945.81174	2426.76721	3226.92283	3027.16937	2635.36455
168579.429	173718.322	91544.2073	82154.4898	102046.669	137339.923	198823.275	154414.418
10392.7583	1207.46831	-29828.437	-17529.446	-22276.615	-27975.333	43741.3886	19404.6918
158186.671	172510.853	121372.644	99683.9355	124323.284	165315.257	155081.887	135009.726

180586.246	186855.306	229657.03	314240.196	295624.094	290075.226	297581.244	214652.295
543.420188	591.217073	866.12562	1195.80213	1043.37601	859.790889	887.440528	668.120596
1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169	3170.14216	2286.69751
100402.881	99877.4735	93973.8845	143910.791	134848.471	131940.224	206859.943	129041.191
1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169	3170.14216	2286.69751
5.601977	5.79645	7.463453	10.212259	9.607268	8.607205	9.434946	7.145929
-80183.365	-86977.832	-135683.15	-170329.4	-160775.62	-158135	-90721.302	-85611.104
-80183.365	-86977.832	-135683.15	-170329.4	-160775.62	-158135	-90721.302	-85611.104
1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169	3170.14216	2286.69751
180586.246	186855.306	229657.03	314240.196	295624.094	290075.226	297581.244	214652.295
80183.3653	86977.8323	135683.145	170329.405	160775.623	158135.002	90721.3015	85611.1039
80183.3653	86977.8323	135683.145	170329.405	160775.623	158135.002	90721.3015	85611.1039
119511.883	113400.045	90273.2955	88848.8249	95443.9291	125037.981	113433.948	99437.5733
180586.246	186855.306	229657.03	314240.196	295624.094	290075.226	297581.244	214652.295
180586.246	186855.306	229657.03	314240.196	295624.094	290075.226	297581.244	214652.295
1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169	3170.14216	2286.69751
180586.246	186855.306	229657.03	314240.196	295624.094	290075.226	297581.244	214652.295
180586.246	186855.306	229657.03	314240.196	295624.094	290075.226	297581.244	214652.295
1971.89612	2040.35058	2507.72035	3431.31902	3228.04209	3167.45169	3170.14216	2286.69751
100402.881	99877.4735	93973.8845	143910.791	134848.471	131940.224	206859.943	129041.191
-80183.365	-86977.832	-135683.15	-170329.4	-160775.62	-158135	-90721.302	-85611.104
180586.246	186855.306	229657.03	314240.196	295624.094	290075.226	297581.244	214652.295

791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81
2364.23963	2534.95511	3378.42329	3956.87531	3756.70086	3468.99497	3436.3923	3244.95162
14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569	20610.5462	19171.623
788102.707	742986.014	661878.348	784746.353	808867.508	918151.436	1307174.92	1106618.76
39.628412	22.358887	23.331988	25.676179	22.612989	27.83612		37.063891
1.188852	0.670766	4.666397	7.446092	2.035169	2.50525		0.370638

14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569	20610.5462	19171.623
41.693692	42.337578	49.044508	55.633426	57.565445	58.791187	61.340911	59.911322
-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33	151232.819	61669.9541
-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33	151232.819	61669.9541
14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569	20610.5462	19171.623
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81
3739.42836	63744.3195	235829.405	256597.815	255986.47	255355.334	-151232.82	-61669.954
3739.42836	63744.3195	235829.405	256597.815	255986.47	255355.334	-151232.82	-61669.954
0.12	0.22	2.28	3.63	1.11	1.06		0.12
473909.535	453600.182	361093.182	346850.676	375429.769	500151.924	453735.792	409665.258
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81
14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569	20610.5462	19171.623
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81
14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569	20610.5462	19171.623
788102.707	742986.014	661878.348	784746.353	808867.508	918151.436	1307174.92	1106618.76
-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33	151232.819	61669.9541
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81

10.974098	11.091493	11.481596	11.139859	11.130514	11.239018	11.184592	11.161257
0.476264	0.442996	0.316105	0.298996	0.365469	0.365947	0.430387	0.418372
0.458085	0.42527	0.278014	0.20083	0.325736	0.347576	0.414276	0.40253
6744653.64	5726426.19	3828173.37	3742932.39	4018924.57	5364423.4	7068805.02	6040236.49
4708572.21	4133949.46	2647376.98	3329506.59	3502476.52	4419480.91	4323468.14	3838340.37
13706.6167	12773.8134	9845.46048	12584.5972	12298.7013	12998.1658	12790.4795	11848.6989
-45642.287	-43544.04	-39502.425	-45384.448	-36089.418	-56447.678	-41724.19	-36951.581
3707978.26	3707978.26	3539433.79	3539433.79	3539433.79	3876522.72	3620139.53	3447751.93
0.037541	0.035511	0.033003	0.033674	0.035232	0.031583	0.035919	0.034531
644611.142	600821.762	385014.783	271175.944	439001.918	515799.162	559649.402	518237.853
1356919.9	1240570.14	864341.786	649857.228	862903.986	1032458.15	1350911.46	1235674.33
3.424715	3.374428	3.353333	3.226539	3.301344	3.371764	3.565439	3.570391
926389.354	877029.471	552016.502	318430.906	670205.602	811693.633	830890.413	777554.303
93580.4255	66612.2708	30846.7402	51814.0973	21072.6538	36711.3408	50813.4565	39416.2004
124276.827	124118.95	108204.771	82731.032	109904.302	128352.998	118733.583	113048.734
353.059167	352.610653	322.038008	246.223309	327.096136	348.78532	353.373758	353.277293
129219.2	129219.2	123345.6	123345.6	123345.6	135092.8	123345.6	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
59193.416	54953.178	34291.916	24771.546	40178.136	46955.146	51099.212	47286.024
332.524712	275.303664	245.297002	179.347307	199.772081	235.339571	308.357354	304.279181
39.500562	39.214652	40.116163	37.377293	38.300162	39.479088	41.61199	41.545191
2452799.06	2274520.59	1521494.51	1048161.77	1643401.79	1974597.1	2324650.2	2144709.21
4483765.35	3992243.95	3388306.67	1697607.92	2473801.06	3197633.47	5159734.72	4487448.17
119511.883	113400.045	90273.2955	88848.8249	95609.5436	125037.981	113433.948	103409.228
2030966.29	1717723.36	1866812.15	649446.15	830399.273	1223036.37	2835084.52	2342738.97

5271868.06	4735229.96	4050185.02	2482354.28	3282668.57	4115784.91	6466909.64	5594066.93
1700.02	1512.97	1207.85	956.71	1129.8	1278.97	1467.7	1513.76
78087.4553	157944.316	269385.597	40433.7405	168376.91	104459.695	263230.028	267119.937
40.99584	37.686294	32.495811	32.678327	32.63974	33.280039	46.348678	43.526394
1585661.31	1254918.69	533143.292	1311205.29	999918.02	1419047.15	1143213.94	952268.626
317.61	304.93	289.83	318.88	293.32	343.28	287.95	272.83
273.905333	257.861441	234.047515	227.307865	218.398877	260.594318	238.212947	234.452186
8.729325	8.552082	8.349754	9.313829	7.57709	9.96413	8.62046	8.162504
46,599	45,433	42,607	45,765	38,145	57,419	44,013	39,311
122758.485	272890.692	761599.819	60125.6074	272361.184	178681.282	550165.265	514192.729
1.632129	1.712577	1.957981	0.647251	1.93174	0.808428	1.606983	2.153301
957	1,889	3,105	381	2,056	971	2,289	2,359
55.071924	46.297503	28.604624	41.518505	39.067834	41.985334	51.996668	51.399719
55.004729	46.279639	28.565261	41.486978	39.049064	41.937863	51.9819	51.370227
-45642.287	-43544.04	-39502.425	-45384.448	-36089.418	-56447.678	-41724.19	-36951.581
-129.66559	-123.70466	-117.56674	-135.07276	-107.40898	-153.39043	-124.17914	-115.47369
-8706003.7	-8046032.3	-5903208.3	-7001177.8	-7191114.2	-8516479	-7952150.8	-7317396.7
-72.815158	-70.98795	-65.38302	-78.813534	-75.219171	-68.122713	-70.09572	-70.757111
-8706003.7	-8046032.3	-5903208.3	-7001177.8	-7191114.2	-8516479	-7952150.8	-7317396.7
72912.483	67966.8438	47665.9625	43083.3696	57464.4418	67618.8562	69420.5501	64098.6401
3122910.89	2879030.78	2114233.69	2018301.3	2502558.5	3000433.76	3180254.2	2886071.74
8425405.03	7780425.4	5736624.41	6889517.85	6983945.56	8273265.08	7702627.21	7083579.5
9888307.86	8762453.4	5508167.88	8140597.53	7711502.39	9513630.95	8295675.88	7521655.4
		0.034632	0.090909	0.021645	0.011857		
1012017.69	948967.399	714677.044	629531.379	736771.773	993096.544	948026.561	854318.896
6.33	5.18	5.41	3.56	3.64	5.5	5.06	5.22
45221.509	44914.194	35937.4927	31499.9593	37681.347	43770.1069	37965.0903	37012.3597
13977871.8	12781262.3	9953393.34	9483532.06	10473782.7	12632263.9	14419060.4	12911463.6
10269893.5	9073284.02	6413959.55	5944098.27	6934348.93	8755741.14	10798920.9	9463711.68
2283309.26	2117599.61	1416358.29	968288.134	1533109.59	1844151.78	2181801.88	2013228.64
73869.5959	69856.0055	50770.8708	43464.3774	59520.1257	68590.3029	71709.7582	66457.647
45221.509	44914.194	35937.4927	31499.9593	37681.347	43770.1069	37965.0903	37012.3597
10269893.5	9073284.02	6413959.55	5944098.27	6934348.93	8755741.14	10798920.9	9463711.68
124268.296	112006.781	69198.7346	48373.68	72610.8515	86675.2136	104883.234	94468.2091
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81
14676.1799	14902.8275	16478.9548	18692.8314	19341.9897	21635.1569	20610.5462	19171.623
788102.707	742986.014	661878.348	784746.353	808867.508	918151.436	1307174.92	1106618.76
-3739.4284	-63744.32	-235829.41	-256597.81	-255986.47	-255355.33	151232.819	61669.9541
791842.135	806730.333	897707.753	1041344.17	1064853.98	1173506.77	1155942.1	1044948.81

2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10
3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53
-3964914.7	-3620139.5	-3620139.5	-3792527.1	-3447751.9	-3964914.7	-3620139.5	-3620139.5
-3964914.7	-3620139.5	-3620139.5	-3792527.1	-3447751.9	-3964914.7	-3620139.5	-3620139.5
3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53
3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53
3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53
47.815514	43.488454	44.989684	44.636454	56.293014	51.171194	43.135224	43.400144
26.772584	26.772673	26.772584	26.772548	26.772673	26.772619	26.77253	26.77253
47.691126	43.364066	44.865296	44.512066	56.168626	51.046806	43.010836	43.275756
47.786809	43.459749	44.960979	44.607749	56.264309	51.142489	43.106519	43.371439
47.069189	42.742129	44.243359	43.890129	55.546689	50.424869	42.388899	42.65382
47.346669	43.019609	44.520839	44.167609	55.824169	50.702349	42.666379	42.931299
47.767673	43.440613	44.941843	44.588613	56.245173	51.123353	43.087383	43.352303
47.805946	43.478886	44.980116	44.626886	56.283446	51.161626	43.125656	43.390576
24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
47.50933	43.18227	44.6835	44.33027	55.98683	50.86501	42.82904	43.09396
6.495934	5.84232	5.460392	5.436175	5.456374	5.45247	5.469621	5.602455
36.685769	33.746602	34.715587	34.478079	42.250813	38.835936	33.480045	33.667728
36.685769	33.746602	34.715587	34.478079	42.250813	38.835936	33.480045	33.667728

0.27788	0.27788	0.416819	0.55576	0.41682	0.41682	0.97258	0.27788
0.001958	0.001763	0.021402	0.003782	0.002361	0.001357	0.01857	0.003512
0.001956	0.001666	0.021402	0.003762	0.002361	0.00128	0.01783	0.003306
171.452771	365.001142	1848.80055	3132.02124	1983.06991	3010.38065	3564.87475	
0.586988	1.281351	6.844305	9.26684	5.313074	7.7859	11.685967	
16.2	12.6	161.8	29.8	17	10.6	134.8	25
0.026059	0.042083	0.031666	0.024715	0.024375	0.029809	0.025535	0.030386
225.0828	175.0644	2248.0492	414.0412	236.198	147.2764	1872.9112	347.35
5552.44421	4318.56772	55455.8934	10213.7554	5826.63899	3633.08078	46201.8198	8568.58675
0.523393	0.523393	0.785089	1.046786	0.785089	0.785089	1.831875	0.523393
337.894299	262.806677	3374.77146	621.558649	354.580437	221.091331	2811.61429	521.44182
8064.225	7241.85	7320.6	7724.25	7024.5	8033.175	7366.95	7330.275
21.913654	21.553125	21.7875	21.943892	21.951562	21.829279	21.925446	21.816294
8280	7560	7560	7920	7200	8280	7560	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
16.2	12.6	161.8	29.8	17	10.6	134.8	25
7.307012	7.339078	10.95626	14.697901	11.330079	11.148581	25.79034	7.33999
7.307012	7.339078	10.95626	14.697901	11.330079	11.148581	25.79034	7.33999
5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907
7450.36997	4999.9829	94888.1868	14006.4876	7802.13107	4441.05387	100868.213	10397.0974
1526.16796	378.601503	35797.4514	3107.0865	1563.56114	549.674753	51565.4071	1238.51829
7450.36997	4999.9829	94888.1868	14006.4876	7802.13107	4441.05387	100868.213	10397.0974
3.21	3.87	10.03	11.34	3.63	4.21	16.03	4.32
5752.74924	4256.38026	57241.9349	7767.37981	4255.50002	880.99846	45737.9308	9158.57907
7231.35774	4606.28307	91403.5616	9994.91004	5344.29051	948.923543	95046.5224	10397.0974
0.394128	0.4	0.596696	0.755728	0.190626	0.563841	1.309428	0.4
15.730267	11.6	156.734808	21.244001	11.628228	2.383047	125.096839	25
365.001142	366.995407	365.001142	383.310237	380.817824	378.213646	373.613113	
3.650011	3.669954	7.300022	15.160906	11.424534	3.782136	22.269721	
16.2	12.6	161.8	29.8	17	10.6	134.8	25
0.044021	0.0375	0.481547	0.084659	0.053125	0.028804	0.40119	0.074404
1526.16796	378.601503	35797.4514	3107.0865	1563.56114	549.674753	51565.4071	1238.51829
1526.16796	378.601503	35797.4514	3107.0865	1563.56114	549.674753	51565.4071	1238.51829
0.469732	1	5.065191	8.555998	5.371771	8.216952	9.70316	
171.452771	365.001142	1848.80055	3132.02124	1983.06991	3010.38065	3564.87475	
0.13	0.32	0.6	0.23	0.12	0.08	0.58	0.54
-1526.168	-378.6015	-35797.451	-3107.0865	-1563.5611	-549.67475	-51565.407	-1238.5183
-8757.5257	-4984.8846	-127201.01	-13101.997	-6907.8517	-1498.5983	-146611.93	-11635.616
	0.01		0.1	0.04	0.13	0.06	
241.4665	165.8025	2075.0068	490.3323	294.0886	201.766	1867.1917	341.2562
0.01	0.02	0.03	0.02	0.03	0.02	0.09	0.03
11.1835	22.367	33.5505	22.367	33.5505	22.367	100.6515	33.5505
5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907
5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907
5890.33851	4581.3744	58830.6649	10835.3141	6181.21943	3854.17211	49013.434	9090.02857

16.2	12.6	161.8	29.8	17	10.6	134.8	25
11.1835	22.367	33.5505	22.367	33.5505	22.367	100.6515	33.5505
5924.20201	4621.3814	59090.7354	10899.4011	6238.56993	3891.37911	49302.8055	9158.57907
22.68	17.64	226.52	41.72	23.8	14.84	188.72	35
4.33274	4.05017	2.73151	4.89788	5.93397	4.709499	2.26056	3.86179
0.196823	0.163906	0.170867	0.181245	0.292664	0.244271	0.132501	0.191217
0.1925	0.158958	0.164851	0.176676	0.283562	0.238532	0.125089	0.185327
165872.53	58626.348	94396.8063	160185.608	329705.814	310584.777	81401.1248	91078.3929
553.241991	218.084113	364.333258	502.300582	920.668723	922.26922	281.518633	328.033173
4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66
0.025679	0.028809	0.028988	0.028636	0.034187	0.030625	0.03875	0.032589
38700.0337	29177.9898	30259.6678	33974.5214	49571.4435	47954.3896	22961.0731	34018.2255
251167.575	180691.302	166582.879	194423.884	283540.842	276994.026	129134.183	220187.726
2.81827	2.57672	1.584317	2.891167	3.493111	2.79306	1.343567	2.550255
21702.2755	8036.44102	14435.7174	23738.2298	48760.5066	45557.6959	12269.1356	12113.9905
20795.9	18926.56	18923.08	19831.36	17925.48	20690.34	18732.84	18852.9
56.510597	56.329047	56.31869	56.33909	56.017125	56.22375	55.7525	56.109821
21344	19488	19488	20416	18560	21344	19488	19488
58	58	58	58	58	58	58	58
4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66
31.138252	28.596291	17.811717	32.615002	39.207189	31.283119	15.046169	28.116862
31.138252	28.596291	17.811717	32.615002	39.207189	31.283119	15.046169	28.116862
291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752
495564.593	407076.07	559133.856	450541.45	634935.891	642010.154	587232.75	441560.755
203823.198	195784.972	360861.724	220321.642	299499.79	314885.563	434049.394	185619.004
495564.593	407076.07	559133.856	450541.45	634935.891	642010.154	587232.75	441560.755
179.09	164.54	96.06	146.16	179.91	154.18	80.72	110.36
125868.865	152664.75	103875.325	70034.1997	5730.28693	16539.8138	71782.2313	164863.359
211138.645	294798.745	289324.719	133756.586	9911.88577	25288.8854	285017.232	286928.736
15.424799	20.457654	11.549998	13.572674	5.706995	6.841444	8.26316	18.149739
1804.6245	2244.56405	1680.00322	1086.77052	86.095862	254.453093	1135.14571	2325.53721
71.621396	67.681297	62.696764	65.32989	68.26702	66.510256	64.36284	70.09755
31.50557	27.739871	18.167429	33.930754	43.004655	33.253286	15.443043	28.712234
4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66
11.165	9.219583	9.561369	10.247215	16.446625	13.834891	7.255178	10.748988
203823.198	195784.972	360861.724	220321.642	299499.79	314885.563	434049.394	185619.004
203823.198	195784.972	360861.724	220321.642	299499.79	314885.563	434049.394	185619.004
2304.0955	853.215949	1532.61678	2520.24948	5176.82414	4836.78691	1302.59429	1286.12279
165872.53	58626.348	94396.8063	160185.608	329705.814	310584.777	81401.1248	91078.3929
16.22	14.88	10.41	11.04	2.07	5.02	5.59	18.79
-203823.2	-195784.97	-360861.72	-220321.64	-299499.79	-314885.56	-434049.39	-185619
-414961.84	-490583.72	-650186.44	-354078.23	-309411.68	-340174.45	-719066.63	-472547.74
6.49	2.16	4.03	11.14	22.83	16.87	3.32	4.25
20823.91	14097.5055	14213.1094	19233.1983	32678.1532	29608.8925	11668.4254	16864.0219
0.6	0.47	0.4	0.87	0.62	0.46	0.31	0.7
308.364	241.5518	205.576	447.1278	318.6428	236.4124	159.3214	359.758

291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752
291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752
251167.575	180691.302	166582.879	194423.884	283540.842	276994.026	129134.183	220187.726
4108.72	3097.78	3212.62	3607.02	5262.92	5091.24	2437.74	3611.66
308.364	241.5518	205.576	447.1278	318.6428	236.4124	159.3214	359.758
291741.395	211291.098	198272.131	230219.808	335436.1	327124.59	153183.356	255941.752
40265.456	30358.244	31483.676	35348.796	51576.616	49894.152	23889.852	35394.268
0.81		0.02					0.02
11.057479	11.126824	11.250601	11.090623	10.945362	11.069937	11.338691	11.129483
0.64333	0.601424	0.564674	0.626526	0.69003	0.644251	0.515978	0.612689
0.620241	0.577973	0.545608	0.603038	0.661708	0.62342	0.496442	0.592735
973538.032	777092.756	782096.897	912881.321	916521.428	998872.264	727367.818	839159.086
3363.7109	2973.65594	3069.26753	3104.75143	2640.97914	3063.73006	2674.34813	3121.03224
25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678
0.038423	0.040714	0.037291	0.037698	0.041843	0.033668	0.039255	0.031994
276285.871	236545.563	224845.117	257612.931	254648.816	277641.369	206607.081	242323.154
414460.472	355914.225	336876.472	387394.61	383050.379	418004.185	310596.522	366181.277
3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217
530938.559	454569.608	432084.862	495054.77	489358.63	533543.419	397036.828	465672.404
39278.46	35777.52	35905.17	37599.03	34033.71	39472.71	35831.91	36102.75
106.734945	106.480714	106.860625	106.815426	106.355343	107.262798	106.642589	107.44866
40848	37296	37296	39072	35520	40848	37296	37296
111	111	111	111	111	111	111	111
25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678
40.136077	40.4359	40.874267	40.257777	39.71768	40.217104	41.114271	40.297414
39.715245	39.944047	40.378388	39.826191	39.327608	39.752096	40.675316	39.948546
1001947.19	859530.204	814945.724	935464.852	924225.452	1008835.31	749080.546	879755.356
1557305.28	1255129.68	1417687.53	1381886.93	1654414.78	1704158.79	1367977.74	1295220.24
555358.092	395599.474	602741.804	446422.079	730189.33	695323.479	618897.198	415464.882
1557305.28	1255129.68	1417687.53	1381886.93	1654414.78	1704158.79	1367977.74	1295220.24
353.86	322.32	323.47	338.73	306.61	355.61	322.81	325.25
19491.9567	73916.568	25120.5871	13864.4909	74.863455	550.442576	15074.3677	34255.1497
38449.5439	164449.398	77792.7947	25976.822	108.347878	737.059925	56606.582	76225.2362
9.931217	20.522069	8.610827	10.413437	0.483992	3.332817	6.930859	10.742207
513.324296	1936.59617	663.030329	361.66284	1.897132	14.331482	394.394101	891.701966
32.318171	27.080709	21.207224	29.049681	33.712178	31.95892	16.662103	26.863245
32.310476	27.05805	21.200817	29.041743	33.712115	31.95755	16.658596	26.854477
25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678
68.846782	64.155095	60.562547	66.937306	73.449606	69.199673	55.105172	65.793684
410943.467	271957.108	485215.261	311767.8	597084.394	550200.335	510903.676	288802.569
410943.467	271957.108	485215.261	311767.8	597084.394	550200.335	510903.676	288802.569
24822.2917	19619.5158	19685.9857	23200.2692	23501.9769	25451.1485	18120.9439	21214.976
973538.032	777092.756	782096.897	912881.321	916521.428	998872.264	727367.818	839159.086
7.58	12.34	3.73	3.44	0.07	0.35	2.42	10.53
-555358.09	-395599.47	-602741.8	-446422.08	-730189.33	-695323.48	-618897.2	-415464.88
-593807.64	-560048.87	-680534.6	-472398.9	-730297.68	-696060.54	-675503.78	-491690.12

258.27	224.38	249.26	257.91	210.8	259.46	264.24	234.45
99594.3858	81411.4011	80362.3406	97113.7916	103180.274	113138.725	85790.5734	85160.3764
0.9	0.86	0.78	0.88	0.77	0.95	0.67	0.64
8917.2	8520.88	7728.24	8719.04	7629.16	9412.6	6638.36	6341.12
1146361.81	983172.57	932472.267	1070119.13	1057330.39	1153958.45	857074.067	1006417.67
1146361.81	983172.57	932472.267	1070119.13	1057330.39	1153958.45	857074.067	1006417.67
945399.03	810483.833	768961.334	882449.38	872409.009	951547.604	707633.35	831853.681
25335.616	21556.112	20349.016	23561.932	23503.874	25465.48	18515.338	22106.678
8917.2	8520.88	7728.24	8719.04	7629.16	9412.6	6638.36	6341.12
1146361.81	983172.57	932472.267	1070119.13	1057330.39	1153958.45	857074.067	1006417.67
47630.9581	40525.4906	38256.1501	44296.4322	44187.2831	47875.1024	34808.8354	41560.5546
10.76	24.86	7.52	8.39	0.1	0.96	4.7	12.78
0.3	0.3	0.45	0.6	0.6	0.45	1.05	0.3
0.001875	0.00134	0.022348	0.003352	0.002287	0.000924	0.019193	0.002261
0.001875	0.001309	0.021577	0.003352	0.002281	0.000923	0.017321	0.002172
	47.105373	247.303209	335.326121	270.855896	327.423612	242.119105	
	0.164195	0.916711	0.969011	0.722749	0.839381	0.766368	
2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19
0.024456	0.029791	0.030327	0.03588	0.035968	0.024864	0.030446	0.027619
31.05	19.8	326.25	53.1	32.85	15.3	261.9	32.85
765.955429	488.435346	8048.08242	1309.89479	810.358643	377.427313	6460.66754	810.358643
0.523393	0.523393	0.785089	1.046786	1.046786	0.785089	1.831875	0.523393
46.61226	29.72376	489.7665	79.71372	49.31442	22.96836	393.16428	49.31442
1077	977.97	977.43	1018.11	925.47	1076.55	977.31	980.16
2.92663	2.910625	2.909017	2.892357	2.892093	2.925407	2.90866	2.917142
1104	1008	1008	1056	960	1104	1008	1008
3	3	3	3	3	3	3	3
2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19
7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895
7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895
812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063
981.478748	549.890536	13057.092	1746.94111	1033.52479	449.641805	13349.9419	971.128111
168.911058	31.731429	4519.24305	357.332601	173.851725	49.246131	6496.11006	111.455048
981.478748	549.890536	13057.092	1746.94111	1033.52479	449.641805	13349.9419	971.128111
0.69	0.44	7.25	1.18	0.73	0.34	5.82	0.73
812.567689	471.053733	8290.54571	1054.28239	588.817166	72.97206	6611.71271	859.673063
981.478748	501.8836	12618.7915	1327.82407	714.389027	78.366653	12997.6403	971.128111
0.06	0.06	0.09	0.119774	0.06	0.083973	0.20884	0.06
2.07	1.2	21.12	2.685763	1.5	0.185894	16.843206	2.19
			392.544777		392.544777	392.544777	
			3.925447		3.925447	7.850895	
2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19
0.005625	0.003928	0.064732	0.010056	0.006843	0.002771	0.051964	0.006517
168.911058	31.731429	4519.24305	357.332601	173.851725	49.246131	6496.11006	111.455048
168.911058	31.731429	4519.24305	357.332601	173.851725	49.246131	6496.11006	111.455048

	0.12	0.63	0.854236	0.69	0.834105	0.616793	
	47.105373	247.303209	335.326121	270.855896	327.423612	242.119105	
						0.12	
-168.91106	-31.731429	-4519.243	-357.3326	-173.85173	-49.246131	-6496.1101	-111.45505
-1150.3898	-533.61503	-17138.035	-1685.1567	-888.24075	-127.61279	-19493.75	-1082.5832
206.596	115.3045	1863.2199	392.1204	254.4268	130.5818	1603.8119	200.0641
0.27	0.14	0.59	0.32	0.26	0.19	0.79	0.14
812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063
812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063
812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063
2.07	1.32	21.75	3.54	2.19	1.02	17.46	2.19
812.567689	518.159106	8537.84892	1389.60851	859.673063	400.395673	6853.83182	859.673063
11.626018	11.74729	12.064896	11.728513	11.477407	11.652532	12.236443	11.812795
0.709138	0.657147	0.575323	0.686434	0.757999	0.706914	0.535618	0.657397
0.678118	0.625415	0.39082	0.656101	0.723897	0.674014	0.462495	0.62727
332110.247	282426.038	178983.46	308887.626	306010.244	330423.506	215144.691	284109.564
1148.74096	1083.03042	702.436422	1056.97775	884.929933	1017.09884	802.056813	1059.11571
10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81
0.042744	0.050744	0.047053	0.042812	0.043312	0.045869	0.049791	0.045505
122626.158	104115.275	66207.9447	114003.282	112874.052	121874.716	79550.6491	104685.284
184133.26	156878.66	99269.0271	171371.796	169698.553	183352.305	119491.552	157902.712
2.5991	2.5991	2.599099	2.5991	2.5991	2.5991	2.599099	2.5991
134778.41	114433.098	72769.152	125301.007	124059.87	133952.501	87434.1184	115059.595
15147.61	13714.85	9803.57	14487.99	13164.02	15098.16	12425.71	13790.53
41.161983	40.818005	29.177291	41.159062	41.137562	41.027608	36.981279	41.043244
15824	14448	14448	15136	13760	15824	14448	14448
43	43	43	43	43	43	43	43
10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81
31.978637	32.653266	33.444444	32.366235	31.588184	32.109118	33.91066	32.498053
31.44745	31.7479	32.592146	31.70791	31.056349	31.507143	33.030461	31.913972
337158.112	289189.197	182708.099	314376.566	310764.059	335814.43	219947.514	288471.312
619013.475	507309.983	375773.419	552005.071	654446.255	667920.139	472617.38	504404.535
281855.363	218120.786	193065.321	237628.504	343682.196	332105.709	252669.867	215933.223
619013.475	507309.983	375773.419	552005.071	654446.255	667920.139	472617.38	504404.535
352.27	318.95	227.52	336.93	306.14	350.91	288.97	320.71
33.691375	28.067381	20.387264	37.703909	29.926115	27.418336	16.080145	27.162946
7.412102	3.929433	9.174269	7.163742	7.481528	7.677134	2.733624	5.704218
10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81
29.159103	26.892857	16.805267	28.212357	31.127593	28.982635	19.887291	26.972648
217758.67	163699.732	158458.428	178038.989	284682.929	268401.794	211088.742	161214.226
217758.67	163699.732	158458.428	178038.989	284682.929	268401.794	211088.742	161214.226

10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81
332110.247	282426.038	178983.46	308887.626	306010.244	330423.506	215144.691	284109.564
-281855.36	-218120.79	-193065.32	-237628.5	-343682.2	-332105.71	-252669.87	-215933.22
-281855.36	-218120.79	-193065.32	-237628.5	-343682.2	-332105.71	-252669.87	-215933.22
2.04	1.4	7.04	1.91	2.06	2.92	2.11	1.96
		0.285714				0.095238	
98275.2446	79158.4475	54416.1852	95809.5097	102396.843	110434.798	75070.9373	83310.522
1.03	1.38	0.76	1.12	0.97	1.1	0.98	0.89
5047.8652	6763.1592	3724.6384	5488.9408	4753.8148	5390.924	4802.8232	4361.7476
401254.804	343610.251	217314.991	373966.082	369763.326	399518.344	261528.638	343190.309
401254.804	343610.251	217314.991	373966.082	369763.326	399518.344	261528.638	343190.309
318911.67	271311.758	172038.179	296672.803	293758.423	317304.806	206925.671	272962.308
10730.55	9036	5646.57	9930.75	9960.83	10665.61	6682.13	9062.81
5047.8652	6763.1592	3724.6384	5488.9408	4753.8148	5390.924	4802.8232	4361.7476
401254.804	343610.251	217314.991	373966.082	369763.326	399518.344	261528.638	343190.309
13198.5765	11114.28	6945.2811	12214.8225	12251.8209	13118.7003	8219.0199	11147.2563
0.3	0.3	0.45	0.6	0.6	0.45	1.05	0.3
0.001941	0.001309	0.022257	0.003352	0.002281	0.000936	0.019298	0.002213
0.001847	0.001309	0.021726	0.003352	0.002281	0.000923	0.018779	0.002172
	47.105373	247.303209	329.737613	256.784205	317.961269	306.184926	
	0.164195	0.916711	0.950332	0.683298	0.81592	1.00107	
2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19
0.025923	0.029613	0.027827	0.0375	0.042031	0.016222	0.02494	0.028005
30.6	19.8	328.5	53.1	32.85	15.3	283.95	32.85
754.854626	488.435346	8103.58643	1309.89479	810.358643	377.427313	7004.6069	810.358643
0.523393	0.523393	0.785089	1.046786	1.046786	0.785089	1.831875	0.523393
45.93672	29.72376	493.1442	79.71372	49.31442	22.96836	426.26574	49.31442
1075.38	978.15	979.95	1016.4	919.65	1086.09	982.86	979.77
2.922228	2.91116	2.916517	2.8875	2.873906	2.951331	2.925178	2.915982
1104	1008	1008	1056	960	1104	1008	1008
3	3	3	3	3	3	3	3
2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19
7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895
7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895
800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063
968.724449	549.890536	13118.509	1746.94111	1033.52479	449.641805	14880.0397	971.128111
167.933103	31.731429	4521.77841	357.332601	173.851725	49.246131	7449.16705	111.455048
968.724449	549.890536	13118.509	1746.94111	1033.52479	449.641805	14880.0397	971.128111
0.68	0.44	7.3	1.18	0.73	0.34	6.31	0.73
800.791346	471.053733	8349.42742	1059.8709	602.888857	82.434403	7124.68772	859.673063
968.724449	501.8836	12680.2086	1335.31284	730.931833	88.299722	14380.4392	971.128111
0.06	0.06	0.09	0.12	0.067962	0.09	0.21	0.06
2.04	1.2	21.27	2.7	1.535847	0.21	18.15	2.19
			461.973926	392.544777			
			4.619739	7.850895			

2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19
0.005543	0.003928	0.065178	0.010056	0.006843	0.002771	0.056339	0.006517
167.933103	31.731429	4521.77841	357.332601	173.851725	49.246131	7449.16705	111.455048
167.933103	31.731429	4521.77841	357.332601	173.851725	49.246131	7449.16705	111.455048
	0.12	0.63	0.84	0.654152	0.81	0.78	
	47.105373	247.303209	329.737613	256.784205	317.961269	306.184926	
		0.2	0.1			0.04	
-167.9331	-31.731429	-4521.7784	-357.3326	-173.85173	-49.246131	-7449.167	-111.45505
-1136.6576	-533.61503	-17201.987	-1692.6454	-904.78356	-137.54585	-21829.606	-1082.5832
			0.04				
203.5635	115.3045	1878.5453	392.1204	254.4268	130.5818	1749.7567	200.0641
0.26	0.14	0.6	0.32	0.26	0.19	0.84	0.14
800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063
800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063
800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063
2.04	1.32	21.9	3.54	2.19	1.02	18.93	2.19
800.791346	518.159106	8596.73063	1389.60851	859.673063	400.395673	7430.87264	859.673063
5.565201	4.416734	3.290804	5.686177	7.447435	5.450521	2.869139	4.55328
0.121675	0.104744	0.120058	0.10996	0.199491	0.173721	0.101143	0.109497
0.119494	0.100285	0.117815	0.1085	0.194425	0.16938	0.09563	0.108214
39715.0877	12593.3621	21486.6627	54608.099	209141.48	169983.688	28299.4813	20255.6647
130.419633	46.705672	82.02647	162.45376	570.183789	488.523995	94.358732	72.364568
2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818
0.02879	0.030342	0.029806	0.024744	0.031953	0.028206	0.038244	0.028482
31681.5	24366	28592.5	27545.6	44916.8	45088.6	23352.2	26169.6
203788.044	152793.203	159329.939	159178.628	259277.858	262071.067	131731.186	172922.745
2.32337	1.867375	1.251093	2.245306	2.916962	2.145522	1.117384	2.018778
5995.10034	1990.79805	3891.22413	9505.5129	36302.3897	29300.9677	5080.41252	3006.08151
17861.1	16241.5	16321.6	17175	15529.4	17929.6	16124.8	16335
48.535597	48.337797	48.57619	48.792613	48.529375	48.721739	47.990476	48.616071
18400	16800	16800	17600	16000	18400	16800	16800
50	50	50	50	50	50	50	50
2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818
63.015896	45.649808	33.024856	56.558468	80.55183	61.771894	30.199991	50.695573
33.283156	26.725571	18.00646	32.230482	42.017843	30.879018	16.086047	28.920704
204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838
313377.42	269638.319	440391.135	305196.689	442207.552	456516.514	475980.726	275953.503
108967.673	116316.49	280343.672	145293.172	181833.522	193667.121	343738.32	102458.666
313377.42	269638.319	440391.135	305196.689	442207.552	456516.514	475980.726	275953.503
238.74	145.57	130.63	194.63	265.35	242.62	126.01	138.44
164694.659	140728.467	138560.8	105295.418	51232.5502	92865.7051	103942.925	153239.173
251204.497	247108.779	381459.413	196125.494	83287.7867	142580.288	374425.341	246029.19
7.854387	6.788129	4.840709	7.507736	6.139515	5.459382	4.278938	6.722163
1775.58949	1544.95905	1703.43879	1241.77397	574.42415	1065.87074	1251.39532	1606.51805
104.862223	103.645849	87.490649	94.903593	102.725175	103.570031	106.049694	100.071207
37.24125	23.8183	19.230694	37.880309	53.385731	39.356508	21.169803	27.78321

2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818
5.974728	5.014285	5.890773	5.425	9.72125	8.469021	4.781547	5.410714
108967.673	116316.49	280343.672	145293.172	181833.522	193667.121	343738.32	102458.666
108967.673	116316.49	280343.672	145293.172	181833.522	193667.121	343738.32	102458.666
423.110511	139.840947	275.861213	667.826031	2536.37585	2050.72926	355.204681	211.48195
39715.0877	12593.3621	21486.6627	54608.099	209141.48	169983.688	28299.4813	20255.6647
32.54	28.34	25.16	25.08	22.67	34.25	20.79	26.95
-108967.67	-116316.49	-280343.67	-145293.17	-181833.52	-193667.12	-343738.32	-102458.67
-360172.17	-363425.27	-661803.09	-341418.67	-265121.31	-336247.41	-718163.66	-348487.86
2.71	1.06	0.94	5.82	29.42	20.28	3.14	1.76
22903.5966	16280.03	18396.1954	21061.5477	40647.2948	39022.0349	17045.9147	17192.0921
0.24	0.23	0.37	0.47	0.56	0.13	0.15	0.34
201.843	165.186	305.784	346.329	458.892	98.766	109.98	237.213
204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838
204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838
203788.044	152793.203	159329.939	159178.628	259277.858	262071.067	131731.186	172922.745
2198.7	1684.8	1979.3	1909.6	3110.8	3116.6	1606.6	1818
201.843	165.186	305.784	346.329	458.892	98.766	109.98	237.213
204409.747	153321.829	160047.463	159903.517	260374.03	262849.393	132242.406	173494.838
419.86	363.44	411.74	378.56	637.28	679.56	401.24	334.88
0.12							
0.3	0.3	0.45	0.6	0.6	0.45	1.05	0.3
0.001875	0.001386	0.022273	0.003142	0.002281	0.000923	0.019211	0.002172
0.001875	0.001309	0.021785	0.002954	0.002281	0.000923	0.018869	0.002172
	62.807164	320.961038	363.008142	314.156606	409.622059	346.091277	
	0.218927	1.190089	1.048304	0.834123	1.050675	1.116543	
2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92
0.022934	0.025446	0.028928	0.040085	0.033531	0.039211	0.019821	0.027797
41.4	26.4	439.2	62.4	43.8	20.4	380.4	43.8
1021.27391	651.247128	10834.3841	1539.3114	1080.47819	503.236417	9383.87908	1080.47819
0.523393	0.523393	0.785089	1.046786	1.046786	0.785089	1.831875	0.523393
62.14968	39.63168	659.32704	93.67488	65.75256	30.62448	571.05648	65.75256
1438.24	1309.8	1305.12	1351.56	1237.08	1414.28	1317.36	1306.64
3.90826	3.898214	3.884285	3.839659	3.865875	3.843152	3.920714	3.888809
1472	1344	1344	1408	1280	1472	1344	1344
4	4	4	4	4	4	4	4
2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92
7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895
7.850895	7.850895	11.776343	15.701791	15.701791	11.776343	27.478134	7.850895
1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075
1308.63833	733.187381	17666.8647	2022.70658	1378.03305	599.522406	19978.864	1294.83748
225.214744	42.308572	6173.15365	389.7203	231.8023	65.661509	10023.9284	148.60673
1308.63833	733.187381	17666.8647	2022.70658	1378.03305	599.522406	19978.864	1294.83748
0.69	0.44	7.32	1.04	0.73	0.34	6.34	0.73
1083.42359	628.071644	11172.7501	1269.97813	832.074144	124.238837	9608.84429	1146.23075
1308.63833	669.178133	17096.6974	1562.02395	1009.40304	133.106681	19428.468	1294.83748

0.08	0.08	0.119932	0.15972	0.119224	0.119299	0.268156	0.08
2.76	1.6	28.462358	3.235243	2.119692	0.316495	24.478339	2.92
	400.316141	708.063427	473.218782	424.369835	447.241937	466.075055	
	4.003161	14.161268	9.464375	16.974793	4.472419	23.303752	
2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92
0.0075	0.005238	0.087142	0.011818	0.009125	0.003695	0.075476	0.00869
225.214744	42.308572	6173.15365	389.7203	231.8023	65.661509	10023.9284	148.60673
225.214744	42.308572	6173.15365	389.7203	231.8023	65.661509	10023.9284	148.60673
	0.16	0.817641	0.924756	0.800307	1.043504	0.88166	
	62.807164	320.961038	363.008142	314.156606	409.622059	346.091277	
0.68	0.38	7.09	0.81	0.54	0.08	6.12	0.71
-225.21474	-42.308572	-6173.1537	-389.7203	-231.8023	-65.661509	-10023.928	-148.60673
-1533.8531	-711.48671	-23269.851	-1951.7442	-1241.2053	-198.76819	-29452.396	-1443.4442
	0.04	0.2	0.21	0.18	0.25	0.17	
206.596	115.3045	1880.9599	344.0764	254.4268	130.5818	1755.0884	200.0641
0.27	0.14	0.6	0.3	0.26	0.19	0.82	0.14
1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075
1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075
1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075
2.76	1.76	29.28	4.16	2.92	1.36	25.36	2.92
1083.42359	690.878808	11493.7111	1632.98628	1146.23075	533.860897	9954.93556	1146.23075
10.528275	10.603756	10.829138	10.589725	10.399319	10.56013	10.947118	10.637661
0.5224	0.480051	0.386829	0.509621	0.588231	0.523651	0.362201	0.491676
0.485949	0.451165	0.276929	0.48233	0.55508	0.490796	0.343688	0.464125
376063.803	321422.005	198459.139	358391.892	371946.798	380658.154	249815.655	330736.34
1297.83526	1232.98188	779.661809	1218.31407	1067.49259	1165.15765	918.116627	1232.64673
10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436
0.066304	0.060416	0.06497	0.053267	0.056999	0.066793	0.055982	0.055833
107666.862	91778.0224	56922.4488	102464.823	106249.167	108679.007	71370.5124	94225.5965
161328.096	138438.262	84993.3989	154050.252	159996.779	163900.051	107582.346	142833.836
3.4341	3.4341	3.4341	3.4341	3.4341	3.4341	3.434099	3.4341
208238.477	177507.873	110093.708	198177.214	205496.514	210196.068	138037.708	182241.726
20134.96	18500.02	14097.402	19528.45	17683.136	20124.412	18587.334	18590.264
54.714565	55.059583	41.956553	55.478551	55.2598	54.685902	55.319446	55.328166
21564.8	19689.6	19689.6	20627.2	18752	21564.8	19689.6	19689.6
58.599999	58.6	58.6	58.6	58.6	58.599999	58.6	58.6
10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436
41.072979	41.366436	44.542598	40.67005	40.106748	41.221454	44.701294	41.635164
36.77577	37.02308	37.81021	36.982159	36.32797	36.877352	38.211184	37.134681
409188.931	350354.884	220921.679	383295.348	398624.754	410893.17	277605.192	356752.4
689369.66	567564.181	427614.512	644812.705	780138.378	774989.588	663273.867	622301.8
280180.729	217209.297	206692.833	261517.356	381513.624	364096.417	385668.675	265549.4
689369.66	567564.181	427614.512	644812.705	780138.378	774989.588	663273.867	622301.8
343.6	315.7	240.57	333.25	301.76	343.42	317.19	317.24
	31.759826	8.594034	4.031212				5.053307
	61.893238	12.434934	3.86525				4.828817

	0.732044	0.222744	0.099425				0.13
	0.812633	0.222744	0.099425				0.13
34.836723	30.004928	22.374916	30.901694	34.808762	32.25333	17.605053	30.554095
29.262847	23.36894	13.2012	24.720136	26.106571	24.835064	12.851689	20.776785
10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436
28.476635	26.438315	16.228041	28.264556	32.527743	28.760673	20.140172	27.197726
223903.26	169236.925	176939.469	207958.994	325977.184	307289.9	348363.308	216297.681
223903.26	169236.925	176939.469	207958.994	325977.184	307289.9	348363.308	216297.681
10479.402	8882.46137	5452.39926	9949.02457	10408.878	10583.928	6767.098	9138.306
376063.803	321422.005	198459.139	358391.892	371946.798	380658.154	249815.655	330736.34
	0.01						
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17.47	18.39	9.9	16.73	13.89	14.78	18.1	13.29
		0.238095					
89289.2437	74631.2964	51885.4088	89533.0771	94744.3582	101508.506	78225.955	77652.2159
1.49	1.3	1.01	1.12	1.2	1.36	1.25	1.17
33125.1287	28901.119	22453.9463	24899.4256	26677.956	30235.0168	27789.5375	26011.0071
465466.4	398327.256	250675.043	436853.711	454161.193	467699.687	314910.559	406004.119
465466.4	398327.256	250675.043	436853.711	454161.193	467699.687	314910.559	406004.119
369566.573	315946.135	195087.107	352227.466	365493.293	374096.118	245620.054	325075.563
10479.402	8883.274	5452.622	9949.124	10408.878	10583.928	6767.098	9138.436
33125.1287	28901.119	22453.9463	24899.4256	26677.956	30235.0168	27789.5375	26011.0071
465466.4	398327.256	250675.043	436853.711	454161.193	467699.687	314910.559	406004.119
6497.22924	5507.62988	3380.62564	6168.45688	6453.50436	6562.03536	4195.60076	5665.83032
	0.04	0.01	0.01				0.01
5.55	3.6	3	4.8	7.5	5.1	2.7	3.9
0.114952	0.099864	0.115355	0.10307	0.18929	0.168224	0.098205	0.103296
0.112853	0.09747	0.111904	0.100397	0.185562	0.16038	0.096488	0.098214
5874.91016	2207.33823	2768.9791	10225.2937	48229.335	34582.9966	5707.06937	3753.99286
19.059369	8.20381	10.535525	29.962932	129.440721	97.849564	19.272873	13.356496
581.42	458.5	526.4	494.76	831.32	826.28	453.88	462
0.02663	0.029791	0.035684	0.020994	0.028718	0.036277	0.03613	0.039255
8721.3	6877.5	7896	7421.4	12469.8	12394.2	6808.2	6930
56162.6355	43184.4399	44008.9847	42960.3361	72053.6072	72260.3706	38309.2986	45944.5937
2.213997	1.466843	1.085446	1.816578	2.811553	1.945374	1.013836	1.637897
897.240791	349.940214	499.354524	1785.52167	8353.10989	5959.06259	1036.41935	540.440364
5014.8	4563.86	4536.14	4824.54	4351.34	4965.1	4534.04	4519.34
13.627173	13.582916	13.500416	13.706079	13.597937	13.492119	13.494166	13.450416
5152	4704	4704	4928	4480	5152	4704	4704
14	14	14	14	14	14	14	14
581.42	458.5	526.4	494.76	831.32	826.28	453.88	462
33.702028	22.519	16.516236	27.683249	42.696892	29.32274	15.36094	24.840971
33.702028	22.519	16.516236	27.683249	42.696892	29.32274	15.36094	24.840971
56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937
85042.9941	76723.4658	120513.859	81912.2535	121254.063	123961.437	135087.359	72771.2304

28743.8586	33465.5259	76263.3739	38752.4174	48937.9554	51596.0666	96725.5609	26616.6368
85042.9941	76723.4658	120513.859	81912.2535	121254.063	123961.437	135087.359	72771.2304
133.98	73.59	84.83	101.16	136.46	118.39	73.97	69.63
50424.2254	41050.6017	41481.5056	32934.5425	24086.7721	37782.374	32654.7292	42400.6008
76208.5329	72501.205	113010.631	60951.6146	39736.0737	60058.5083	116972.341	67341.3196
4.859613	3.333293	2.756021	4.170333	5.247369	4.140321	2.306253	3.603974
521.603947	435.170652	493.109698	375.725222	274.446007	429.00916	384.785376	425.970642
103.173917	96.573425	83.197768	90.949934	91.99975	90.760248	86.812645	100.66282
33.015653	14.486013	14.14362	28.194479	45.921794	30.766357	15.626276	16.106051
581.42	458.5	526.4	494.76	831.32	826.28	453.88	462
1.579945	1.364583	1.566666	1.405568	2.597875	2.245326	1.350833	1.375
28743.8586	33465.5259	76263.3739	38752.4174	48937.9554	51596.0666	96725.5609	26616.6368
28743.8586	33465.5259	76263.3739	38752.4174	48937.9554	51596.0666	96725.5609	26616.6368
59.816052	23.329347	33.290301	119.034777	556.873992	397.270839	69.094623	36.029357
5874.91016	2207.33823	2768.9791	10225.2937	48229.335	34582.9966	5707.06937	3753.99286
11.02	7.09	7.78	6.81	6.01	7.88	3.68	9.44
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-104952.39	-105966.73	-189274.01	-99704.032	-88674.029	-111654.57	-213697.9	-93957.956
0.97	0.29	0.68	1.99	8.72	4.41	0.57	0.52
12280.1217	8659.11	9662.3003	10961.9032	21556.4274	20117.7	8920.1828	8954.8106
0.13	0.07	0.23	0.19	0.25	0.1	0.05	0.2
136.5	73.5	241.5	199.5	262.5	105	52.5	210
56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937
56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937
56162.6355	43184.4399	44008.9847	42960.3361	72053.6072	72260.3706	38309.2986	45944.5937
581.42	458.5	526.4	494.76	831.32	826.28	453.88	462
136.5	73.5	241.5	199.5	262.5	105	52.5	210
56299.1355	43257.9399	44250.4847	43159.8361	72316.1072	72365.3706	38361.7986	46154.5937
0.04							

11.142999	11.210832	11.405063	11.183401	11.05903	11.195765	11.512557	11.230421
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0.395709	0.362667	0.303223	0.383025	0.452047	0.412776	0.297208	0.374815
1893346.06	1454889.87	1280856.31	1809339.93	2184379.97	2229170.77	1312195.11	1569093.04
6513.5951	5564.49051	5018.12883	6086.99502	6221.24815	6765.1212	4804.24176	5826.54892
53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884
0.03243	0.03619	0.035668	0.033734	0.036806	0.034523	0.036103	0.034177
586009.857	493101.414	418065.678	543605.198	581075.777	613830.559	413448.877	508808.709
1279134.61	1033846.78	973502.647	1123752.36	1336145.85	1381473.18	905896.062	1117242.67
3.476278	3.413258	3.486662	3.412293	3.538011	3.473418	3.407536	3.469041
874448.039	746872.466	619964.731	819407.652	819433.976	877989.64	626710.755	763659.549
28594.6167	10377.1793	18826.2961	35029.2644	93416.0062	80817.7262	18385.9675	15660.5124
129887.675	118232.08	110170.062	124556.69	112793.786	129890.417	116881.114	118787.629
352.955638	351.88119	327.887089	353.854232	352.480581	352.963089	347.860458	353.53461
135092.8	123345.6	123345.6	129219.2	117472	135092.8	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884

271.90357	242.112468	232.499411	291.954058	332.303978	282.403044	288.558071	248.976717
40.4564	39.937392	41.567879	39.897795	41.046406	40.673131	40.858829	40.670479
2309365.49	1913293.73	1708864.61	2081731.53	2310844.65	2423108.29	1643963.26	2012594.41
3770382.63	3090274.65	3479844.96	3435878.17	4298644.13	4375496.48	3851246.89	3225846.25
1461017.14	1176980.92	1770980.35	1354146.64	1987799.48	1952388.18	2207283.63	1213251.85
3770382.63	3090274.65	3479844.96	3435878.17	4298644.13	4375496.48	3851246.89	3225846.25
1606.81	1345.86	1134.98	1465.6	1502.05	1570.36	1244.17	1288.14
368929.238	414218.706	394101.47	233284.194	87403.7529	148898.979	292537.429	406787.491
587491.418	785199.248	995399.252	431034.453	140843.108	229913.438	974874.565	690163.502
4.228957	5.383756	3.06524	4.038778	2.195927	2.37186	2.550416	4.242749
4637.7425	6177.70256	4767.39195	3095.89699	953.64692	1766.75992	3350.28889	5282.15787
45.966157	38.02211	30.69389	44.905855	55.17992	45.744817	29.695083	37.862153
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145.264885	133.135315	111.313267	140.608596	165.946631	151.530266	109.105166	137.594892
1196228.35	950945.127	1589093.55	1106344.48	1740158.84	1686754.61	2020403.61	982618.817
1196228.35	950945.127	1589093.55	1106344.48	1740158.84	1686754.61	2020403.61	982618.817
48819.7355	38555.7634	32633.8661	46398.329	52149.2751	53996.3781	33309.0471	40949.7261
1893346.06	1454889.87	1280856.31	1809339.93	2184379.97	2229170.77	1312195.11	1569093.04
68.17	63.36	54.97	47.51	31.48	47.66	39.34	66.96
-1461017.1	-1176980.9	-1770980.4	-1354146.6	-1987799.5	-1952388.2	-2207283.6	-1213251.8
-2048508.6	-1962180.2	-2766379.6	-1785181.1	-2128642.6	-2182301.6	-3182158.2	-1903415.3
287.95	247.73	272.05	295.85	287.94	319.1	291.71	256.23
		0.047619				0.008658	
344024.724	274749.507	236633.272	335331.677	396260.72	414424.169	283697.837	290075.487
5.2	4.75	5.37	5.61	5.18	4.69	5.95	4.39
47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962
2574154.28	2139329.52	1890751.41	2329533.69	2558485.29	2688741.87	1830843.27	2243227.44
2574154.28	2139329.52	1890751.41	2329533.69	2558485.29	2688741.87	1830843.27	2243227.44
2153582.65	1780719.24	1593467.38	1943160.01	2155579.83	2259462.82	1532606.82	1880902.22
53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884
47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962
2574154.28	2139329.52	1890751.41	2329533.69	2558485.29	2688741.87	1830843.27	2243227.44
108034.76	87886.7244	80703.9928	98448.7875	115130.304	118144.39	71703.2681	94137.7893
11.73	24.9	7.55	8.4	0.1	0.96	4.7	12.81

5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002
2870.14859	1999.82273	1809.16657	3032.8729	4206.67805	4106.62847	1643.82766	2120.09318
-106624.64	-87659.589	-85755.75	-103998.14	-111092.4	-120674.87	-91936.323	-90439.717
106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167
837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002
287.09	246.83	272.89	295.4	287.81	318.7	291.61	255.49
206.885185	173.085469	184.353397	238.096892	281.289211	266.545882	230.857177	196.471503
104.762421	91.492005	104.824314	120.244637	149.547583	146.637	131.126811	108.675301
34411.1557	26354.0569	32602.0899	39161.7437	45525.9873	51207.4075	42238.6691	30837.008

-106624.64	-87659.589	-85755.75	-103998.14	-111092.4	-120674.87	-91936.323	-90439.717
-289.74087	-260.89163	-255.22545	-295.44927	-347.16376	-327.92085	-273.62001	-269.16582
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-48.26231	-43.697911	-45.136984	-45.733779	-57.752592	-52.158466	-43.81291	-43.491294
-5141284.9	-3830346.6	-3868997.2	-4753805.1	-6397082.5	-6296339.8	-4010317	-3931290.9
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
5979051.61	4354172.4	4332377.78	5676220.94	7881692.65	7660655.64	4469317.95	4505357.87
106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87

5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002
2870.14859	1999.82273	1809.16657	3032.8729	4206.67805	4106.62847	1643.82766	2120.09318
-106624.64	-87659.589	-85755.75	-103998.14	-111092.4	-120674.87	-91936.323	-90439.717
106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167
837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002
287.09	246.83	272.89	295.4	287.81	318.7	291.61	255.49
206.885185	173.085469	184.353397	238.096892	281.289211	266.545882	230.857177	196.471503
104.762421	91.492005	104.824314	120.244637	149.547583	146.637	131.126811	108.675301
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-289.74087	-260.89163	-255.22545	-295.44927	-347.16376	-327.92085	-273.62001	-269.16582
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-5141284.9	-3830346.6	-3868997.2	-4753805.1	-6397082.5	-6296339.8	-4010317	-3931290.9
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
5979051.61	4354172.4	4332377.78	5676220.94	7881692.65	7660655.64	4469317.95	4505357.87
106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87

408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484
1418.11174	1547.47217	1463.76943	1083.39963	640.416656	765.306503	1075.31526	1246.03906
7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115
365803.105	328655.754	312971.028	262377.308	229327.458	235702.179	229665.382	271690.452
7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115
20.859402	22.482447	20.81267	16.771037	12.880812	12.649671	16.238601	18.664378
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-43111.276	-73751.271	-59549.135	-52097.088	9755.97186	-12273.877	-60984.802	-62378.032
7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115
408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484
43111.2757	73751.2706	59549.1345	52097.0875	-9755.9719	12273.8774	60984.8019	62378.0316
43111.2757	73751.2706	59549.1345	52097.0875	-9755.9719	12273.8774	60984.8019	62378.0316
106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167
408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484
408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484
7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115
408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484
408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484
7676.2602	7554.10221	6993.0573	5903.40522	4121.86007	4655.07897	5456.17016	6271.23115
365803.105	328655.754	312971.028	262377.308	229327.458	235702.179	229665.382	271690.452
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408914.381	402407.025	372520.162	314474.396	219571.486	247976.056	290650.184	334068.484

386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971
1340.02518	1463.99488	1383.68854	1022.09797	606.246779	724.109735	1015.34136	1176.65012
8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654
410897.91	369543.893	351736.165	294174.799	258231.413	265217.12	257524.292	305112.346
38.362101	14.792819	31.302332	40.388459	31.199951	36.632425	8.133495	
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8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654
23.432115	25.286071	23.388402	18.807987	14.496571	14.228907	18.227182	20.951953
24500.4491	-11167.253	-403.36431	-2485.8467	50362.1768	30581.3002	-16907.083	-10343.626
24500.4491	-11167.253	-403.36431	-2485.8467	50362.1768	30581.3002	-16907.083	-10343.626
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386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971
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106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167
386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971
386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971
8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654
386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971
386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971
8623.01855	8496.12019	7858.50323	6620.41164	4638.90283	5236.23788	6124.33329	7039.85654
410897.91	369543.893	351736.165	294174.799	258231.413	265217.12	257524.292	305112.346
24500.4491	-11167.253	-403.36431	-2485.8467	50362.1768	30581.3002	-16907.083	-10343.626
386397.461	380711.146	352139.53	296660.646	207869.236	234635.819	274431.375	315455.971

174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005
604.992466	623.008499	563.069328	572.735812	421.213975	549.535825	440.223356	368.635477
3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789
160161.185	138553.101	124417.977	145138.873	163238.791	176812.928	90655.4882	86416.4397
3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789

9.240043	9.374157	8.324581	9.224952	8.869481	9.499358	6.941689	5.746481
-14038.026	-22806.898	-18875.373	-21214.318	17836.0607	-2275.0603	-28833.76	-12499.361
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3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789
174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005
14038.0259	22806.8978	18875.3735	21214.3179	-17836.061	2275.06027	28833.76	12499.3609
14038.0259	22806.8978	18875.3735	21214.3179	-17836.061	2275.06027	28833.76	12499.3609
104720.063	87659.5888	79137.5751	103998.143	107710.522	120674.872	91936.3232	90439.7167
174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005
174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005
3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789
174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005
174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005
3400.33595	3149.71694	2797.05935	3247.18311	2838.23404	3495.76397	2332.40773	1930.81789
160161.185	138553.101	124417.977	145138.873	163238.791	176812.928	90655.4882	86416.4397
-14038.026	-22806.898	-18875.373	-21214.318	17836.0607	-2275.0603	-28833.76	-12499.361
174199.211	161359.999	143293.351	166353.191	145402.73	179087.988	119489.248	98915.8005

346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799
1202.77672	1283.68684	1058.8275	866.473788	501.225123	607.364199	862.913421	1196.12014
3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701
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3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701
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-172786.58	-177109.48	-143482.93	-134293.15	-75742.782	-96408.136	-141590.29	-169886.18
3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701
346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799
172786.581	177109.481	143482.931	134293.153	75742.7823	96408.1364	141590.294	169886.177
172786.581	177109.481	143482.931	134293.153	75742.7823	96408.1364	141590.294	169886.177
106624.642	87659.5888	85564.0588	103424.758	108468.139	120674.872	91109.2928	90439.7167
346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799
346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799
3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701
346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799
346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799
3694.1358	3549.82915	2871.17377	2667.07031	1818.14406	2084.00591	2475.69578	3411.07701
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346768.527	333222.462	269517.082	250357.89	170669.183	195625.635	232393.563	320197.799

1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05
4565.90611	4918.16239	4469.3548	3544.7072	2169.10253	2646.31626	3393.79339	3987.4448
23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826
1110844.15	992865.729	915159.321	817755.717	745724.062	776949.725	668648.432	813530.86
38.362101	14.792819	31.302332	40.388459	31.199951	36.632425	8.133495	
0.767242	0.147928	5.321396	0.807769	2.183996	1.465297	0.162669	

23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826
63.569974	67.707644	61.070814	52.380881	41.928565	42.040996	48.775615	55.514829
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23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05
205435.433	284834.902	222310.804	210090.405	-2211.4271	80375.7739	248315.939	255107.195
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424593.988	350638.355	336213.133	415419.187	438363.469	482699.489	366918.262	361758.867
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05
23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05
23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826
1110844.15	992865.729	915159.321	817755.717	745724.062	776949.725	668648.432	813530.86
-205435.43	-284834.9	-222310.8	-210090.41	2211.42709	-80375.774	-248315.94	-255107.2
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05

11.142999	11.210832	11.405063	11.183401	11.05903	11.195765	11.512557	11.230421
0.411311	0.378464	0.339047	0.397563	0.470724	0.428684	0.313401	0.389474
0.395709	0.362667	0.303223	0.383025	0.452047	0.412776	0.297208	0.374815
5141284.89	3830346.56	3868997.17	4753805.12	6397082.47	6296339.78	4010317.03	3931290.87
4047392.37	3256416.34	2881707.05	3759601.87	4412502.77	4450812.13	2688160.39	3211798.1
13949.6498	12482.4756	11296.6502	12664.5751	12597.0287	13518.0659	9841.86281	11934.0869
-29773.413	-20176.354	-27834.698	-36065.847	-44572.34	-49440.648	-38888.38	-25554.85
3964914.72	3620139.53	3620139.53	3792527.12	3447751.93	3964914.72	3620139.53	3620139.53
0.03243	0.03619	0.035668	0.033734	0.036806	0.034523	0.036103	0.034177
586009.857	493101.414	418065.678	543605.198	581075.777	613830.559	413448.877	508808.709
1279134.61	1033846.78	973502.647	1123752.36	1336145.85	1381473.18	905896.062	1117242.67
3.476278	3.413258	3.486662	3.412293	3.538011	3.473418	3.407536	3.469041
874448.039	746872.466	619964.731	819407.652	819433.976	877989.64	626710.755	763659.549
28594.6167	10377.1793	18826.2961	35029.2644	93416.0062	80817.7262	18385.9675	15660.5124
129887.675	118232.08	110170.062	124556.69	112793.786	129890.417	116881.114	118787.629
352.955638	351.88119	327.887089	353.854232	352.480581	352.963089	347.860458	353.53461
135092.8	123345.6	123345.6	129219.2	117472	135092.8	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
53457.478	44733.466	37401.258	49494.226	53102.922	55763.138	36659.336	46231.884
271.90357	242.112468	232.499411	291.954058	332.303978	282.403044	288.558071	248.976717
40.4564	39.937392	41.567879	39.897795	41.046406	40.673131	40.858829	40.670479
2309365.49	1913293.73	1708864.61	2081731.53	2310844.65	2423108.29	1643963.26	2012594.41
3770382.63	3090274.65	3479844.96	3435878.17	4298644.13	4375496.48	3851246.89	3225846.25
106624.642	87659.5888	85755.7496	103998.143	111092.403	120674.872	91936.3232	90439.7167
1461017.14	1176980.92	1770980.35	1354146.64	1987799.48	1952388.18	2207283.63	1213251.85

4881226.78	4083140.38	4395004.28	4253633.89	5044368.2	5152446.2	4519895.32	4039377.11
1606.81	1345.86	1134.98	1465.6	1502.05	1570.36	1244.17	1288.14
368929.238	414218.706	394101.47	233284.194	87403.7529	148898.979	292537.429	406787.491
36.685769	33.746602	34.715587	34.478079	42.250813	38.835936	33.480045	33.667728
837766.724	523825.841	463380.614	922415.813	1484610.17	1364315.86	459000.915	574067.002
287.09	246.83	272.89	295.4	287.81	318.7	291.61	255.49
206.885185	173.085469	184.353397	238.096892	281.289211	266.545882	230.857177	196.471503
6.547651	5.71825	6.551519	7.515289	9.346723	9.164812	8.195425	6.792206
34,411	26,354	32,602	39,162	45,526	51,207	42,239	30,837
587491.418	785199.248	995399.252	431034.453	140843.108	229913.438	974874.565	690163.502
2.907408	3.701332	2.107352	2.77666	1.5097	1.630653	1.753411	2.91689
4,638	6,178	4,767	3,096	954	1,767	3,350	5,282
45.948541	38.019518	30.670137	44.856582	54.965267	45.654561	29.688802	37.862153
45.74109	37.991932	30.659044	44.795138	54.940059	45.636433	29.653749	37.782169
-29773.413	-20176.354	-27834.698	-36065.847	-44572.34	-49440.648	-38888.38	-25554.85
-80.906014	-60.048673	-82.841362	-102.45979	-139.28856	-134.34959	-115.73923	-76.056101
-8115406.7	-6784375.9	-6122353.9	-7650078.2	-8102464.1	-8654875.7	-5858368.9	-6823918.8
-76.1242	-77.398939	-71.395846	-73.576201	-72.983605	-71.786763	-63.695959	-75.450789
-8115406.7	-6784375.9	-6122353.9	-7650078.2	-8102464.1	-8654875.7	-5858368.9	-6823918.8
72213.486	61305.5319	53153.6597	64836.3993	65566.4161	69467.4648	49697.6541	59602.7087
3209625.64	2732590.5	2418326.44	2837186.05	2927892.6	3086496.27	2229159.48	2637731.1
7850617.9	6558340.06	5940467.14	7402276.01	7854823.49	8389242.09	5671488.87	6593285.74
8100893.21	6296966.66	5408448.5	7893657.37	9198590.55	9523644.51	5155615.22	6477189.24
		0.047619				0.008658	
875243.354	713047.451	658602.154	854749.007	945716.592	1017798.53	742552.423	742274.071
5.2	4.75	5.37	5.61	5.18	4.69	5.95	4.39
47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962
12996633.5	10867516.2	10517358.2	11903712.1	13146832.3	13807321.9	10378264.2	10863295.9
9031718.75	7247376.71	6897218.7	8111184.93	9699080.4	9842407.15	6758124.67	7243156.36
2153582.65	1780719.24	1593467.38	1943160.01	2155579.83	2259462.82	1532606.82	1880902.22
76851.2285	67483.2345	57921.0517	67932.2963	66520.063	71234.2247	53047.943	64884.8666
47748.0844	44687.763	34693.2352	40122.7302	40134.5161	45501.0862	39653.1736	37554.3962
9031718.75	7247376.71	6897218.7	8111184.93	9699080.4	9842407.15	6758124.67	7243156.36
108034.76	87886.7244	80703.9928	98448.7875	115130.304	118144.39	71703.2681	94137.7893
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05
23393.7505	22749.7685	20519.7937	18438.0703	13417.141	15471.0867	16388.607	18652.9826
1110844.15	992865.729	915159.321	817755.717	745724.062	776949.725	668648.432	813530.86
-205435.43	-284834.9	-222310.8	-210090.41	2211.42709	-80375.774	-248315.94	-255107.2
1316279.58	1277700.63	1137470.12	1027846.12	743512.635	857325.499	916964.37	1068638.05

2033-11	2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06
3620139.53	3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66
-3620139.5	-3792527.1	-3868377.7	-3516707	-4044213	-3516707	-3868377.7	-3868377.7
-3620139.5	-3792527.1	-3868377.7	-3516707	-4044213	-3516707	-3868377.7	-3868377.7
3620139.53	3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66
3620139.53	3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66
3620139.53	3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66
43.223534	44.106604	64.147247	59.775997	49.303237	44.840917	46.389067	46.024797
26.772566	26.772548	20.775786	20.775759	20.775732	20.775719	20.775813	20.775786
43.099146	43.982216	64.021762	59.650512	49.177752	44.715432	46.263582	45.899312
43.194829	44.077899	64.118289	59.747039	49.274279	44.811959	46.360109	45.995839
42.477209	43.360279	63.394333	59.023083	48.550323	44.088003	45.636153	45.271883
42.754689	43.637759	63.674263	59.303013	48.830253	44.367933	45.916083	45.551813
43.175693	44.058763	64.098984	59.727734	49.254974	44.792653	46.340804	45.976533
43.213966	44.097036	64.137594	59.766344	49.293585	44.831264	46.379414	46.015144
24.668451	24.668451	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182
1.5	1.5	1.55	1.55	1.55	1.55	1.55	1.55
42.91735	43.80042	63.83836	59.46711	48.99435	44.53203	46.08018	45.71591
6.546966	7.419622	7.550666	7.559984	6.71447	6.020331	5.627752	5.606181
33.6287	34.290133	47.205759	44.292366	37.240065	34.207338	35.206731	34.962085
33.6287	34.290133	47.205759	44.292366	37.240065	34.207338	35.206731	34.962085

0.27788	0.27788	0.41682	0.41682	0.55576	0.27788	0.555759	0.27788
0.001021	0.001352	0.018358	0.011565	0.006392	0.001	0.022626	0.008573
0.001005	0.001313	0.018358	0.011083	0.006304	0.001	0.022626	0.008207
584.001828	479.007893	5578.76227	1740.73089	1541.6935	140.330644	1858.05775	3560.86756
2.043392	1.298932	16.014867	5.48832	5.217808	0.493892	7.069485	9.624015
7.6	10.4	145.4	79.8	52.2	7.2	179.2	65
0.034791	0.028039	0.029914	0.034093	0.029972	0.036812	0.023551	0.027102
105.5944	144.4976	2020.1876	1108.7412	725.2668	100.0368	2489.8048	903.11
2604.85037	3564.53209	50831.5985	27897.9475	18249.0333	2517.10804	62648.0224	22723.8921
0.523393	0.523393	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862
158.518313	216.919797	3093.51327	1697.8154	1110.60105	153.186351	3812.63809	1382.93234
7296.975	7697.925	7683.075	6954.525	8031.825	6934.95	7733.475	7705.35
21.717187	21.869105	21.826917	21.73289	21.825611	21.671718	21.970099	21.890198
7560	7920	7920	7200	8280	7200	7920	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
7.6	10.4	145.4	79.8	52.2	7.2	179.2	65
7.428802	7.463115	11.183686	11.316242	14.926878	7.537748	14.9033	7.447954
7.428802	7.463115	11.183686	11.316242	14.926878	7.537748	14.9033	7.447954
2796.37569	3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815
3108.28081	4329.21496	92603.4099	48235.5943	24892.4177	3056.54248	149015.288	66739.4696
311.905122	499.652573	38436.1548	18502.9032	5423.91606	353.137888	82252.7432	42528.2881
3108.28081	4329.21496	92603.4099	48235.5943	24892.4177	3056.54248	149015.288	66739.4696
2.37	3.34	10.27	6.15	10.88	1.11	13.82	6.67
2212.37386	3350.55449	48588.4928	27991.9602	17926.8082	2563.07395	64904.4871	20650.3139
2452.33831	3812.51422	83813.1859	45683.3448	22952.7452	2909.71698	143847.102	56110.7841
0.4	0.352405	0.576365	0.589003	0.789002	0.390039	0.796835	0.366438
6	9.118293	130.420465	75.124439	48.059049	6.823075	174.209302	55.435597
379.410608	368.456457	376.720558	373.821147	376.028247	375.023029	375.002478	374.408835
3.794106	7.369129	11.229827	3.738211	15.041129	7.50046	15.000099	7.488176
7.6	10.4	145.4	79.8	52.2	7.2	179.2	65
0.022619	0.029545	0.413068	0.249375	0.141847	0.0225	0.50909	0.184659
311.905122	499.652573	38436.1548	18502.9032	5423.91606	353.137888	82252.7432	42528.2881
311.905122	499.652573	38436.1548	18502.9032	5423.91606	353.137888	82252.7432	42528.2881
1.6	1.281706	14.979534	4.67556	4.14095	0.376924	4.990697	9.564402
584.001828	479.007893	5578.76227	1740.73089	1541.6935	140.330644	1858.05775	3560.86756
0.15	0.18	0.42	0.39	0.52	0.16	0.83	0.15
-311.90512	-499.65257	-38436.155	-18502.903	-5423.9161	-353.13789	-82252.743	-42528.288
-2764.2434	-4312.1668	-122249.34	-64186.248	-28376.661	-3262.8549	-226099.85	-98639.072
0.01	0.02	0.02	0.02	0.03	0.01	0.01	0.04
112.1886	180.4247	2479.5114	1311.2071	786.9151	101.6897	2342.0704	1081.343
0.02	0.03	0.03	0.02	0.03	0.02	0.04	0.01
22.367	33.5505	34.2213	22.8142	34.2213	22.8142	45.6284	11.4071
2796.37569	3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815
2796.37569	3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815
2763.36869	3781.45189	53925.1118	29595.7629	19359.6344	2670.29439	66460.6605	24106.8244

7.6	10.4	145.4	79.8	52.2	7.2	179.2	65
22.367	33.5505	34.2213	22.8142	34.2213	22.8142	45.6284	11.4071
2796.37569	3829.56239	54167.2551	29732.6911	19468.5017	2703.40459	66762.5449	24211.1815
10.64	14.56	207.922	114.114	74.645999	10.296	256.256	92.95
3.10827	2.91989	3.955979	4.7095	4.23855	3.95598	1.69542	3.10827
0.159358	0.13624	0.198542	0.199332	0.180263	0.191276	0.115057	0.150967
0.156458	0.131477	0.195426	0.194312	0.175516	0.186281	0.113181	0.147755
149614.349	219070.989	293834.623	253923.333	155575.615	148892.678	77790.4686	142909.524
504.194925	623.970173	856.596052	765.938542	510.509045	553.817531	296.987338	442.553201
3049.06	2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58
0.030267	0.021931	0.022784	0.032625	0.033288	0.029	0.029573	0.029829
28719.0961	25282.8566	37580.1146	33969.0584	35285.6462	32565.0622	21764.6717	28413.167
218217.282	200371.306	281790.31	260310.759	238928.974	201443.851	120039.06	163701.126
2.374354	2.397673	2.802295	3.374137	2.86869	2.594811	0.995467	1.878191
17191.2092	24415.9549	34273.8986	29052.3172	19571.2165	20487.0646	11806.2873	20839.3929
18898.14	19968.24	19950.84	17954.48	20633.5	18021.76	19812.22	19807
56.244464	56.727954	56.678522	56.10775	56.069293	56.318	56.284715	56.269886
19488	20416	20416	18560	21344	18560	20416	20416
58	58	58	58	58	58	58	58
3049.06	2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58
25.650011	25.742795	30.772861	36.815361	31.643326	28.683625	11.221018	21.037468
25.650011	25.742795	30.772861	36.815361	31.643326	28.683625	11.221018	21.037468
248298.506	226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614
395965.168	362250.655	790944.992	628015.582	540480.577	427772.361	647073.367	509160.973
147666.662	135368.221	469036.309	331415.009	263858.746	191586.96	503769.84	315084.359
395965.168	362250.655	790944.992	628015.582	540480.577	427772.361	647073.367	509160.973
95.97	102.04	216.44	201.21	179.04	166.66	74.09	106.7
98684.1575	7811.44481	28074.0597	42677.2401	121046.215	87292.7234	65513.0577	51167.0895
154087.11	12421.9765	73507.8891	92028.1017	237802.839	158439.541	332040.965	107362.346
10.672207	3.647999	6.10058	10.750226	14.495528	18.942103	6.794341	9.458781
1223.89712	92.037546	351.015609	522.002454	1668.37559	1282.30148	1057.26557	804.095348
80.157895	90.414884	77.996394	79.778724	72.91456	71.906445	63.898183	66.284209
26.429029	28.028552	32.7481	39.882547	32.780543	28.043513	11.497291	21.865519
3049.06	2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58
9.074583	7.625681	11.334715	11.270125	10.179945	10.804312	6.564545	8.569829
147666.662	135368.221	469036.309	331415.009	263858.746	191586.96	503769.84	315084.359
147666.662	135368.221	469036.309	331415.009	263858.746	191586.96	503769.84	315084.359
1825.16288	2592.20245	3638.80439	3084.43755	2077.84441	2175.07852	1253.45443	2212.48465
149614.349	219070.989	293834.623	253923.333	155575.615	148892.678	77790.4686	142909.524
15.66	3.03	4.97	6.75	14.76	8.68	6.79	8.55
-147666.66	-135368.22	-469036.31	-331415.01	-263858.75	-191586.96	-503769.84	-315084.36
-301753.77	-147790.2	-542544.2	-423443.11	-501661.58	-350026.5	-835810.81	-422446.71
5.98	18.79	17.2	13.2	6.38	10.02	3.83	7.49
15405.2168	16242.8018	23543.1563	20526.5413	19248.5822	16037.9857	10372.4259	16319.5063
0.39	0.4	0.42	0.43	0.44	0.32	0.3	0.4
200.4366	205.576	220.1724	225.4146	230.6568	167.7504	157.266	209.688

248298.506	226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614
248298.506	226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614
218217.282	200371.306	281790.31	260310.759	238928.974	201443.851	120039.06	163701.126
3049.06	2684.24	3989.82	3606.44	3746.22	3457.38	2310.72	3016.58
200.4366	205.576	220.1724	225.4146	230.6568	167.7504	157.266	209.688
248298.506	226882.434	321908.682	296600.573	276621.831	236185.401	143303.526	194076.614
29880.788	26305.552	39898.2	36064.4	37462.2	34573.8	23107.2	30165.8
		0.12	0.17	0.46			
11.154673	11.119055	11.057184	11.035753	11.11113	11.108911	11.342668	11.198111
0.60721	0.625563	0.661253	0.661945	0.624209	0.614865	0.509845	0.572456
0.584888	0.602631	0.638889	0.637869	0.60325	0.294491	0.492328	0.553191
850897.471	927270.906	997637.112	903805.284	971376.303	391604.247	769068.513	867510.44
2932.37222	2681.45821	2919.37322	2758.55769	3309.36573	1457.13843	2981.8569	2907.97986
21814.006	23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316
0.037619	0.036278	0.032897	0.036125	0.035489	0.04175	0.033977	0.037784
239209.246	257451.379	271627.913	246520.209	269485.444	114449.861	215080.019	238391.17
361175.829	388294.849	423155.602	382993.5	417838.214	177764.887	333821.783	370911.809
3.4217	3.4217	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886
459688.408	494744.316	526577.871	477904.078	522424.482	221872.5	416954.124	462145.123
35892.96	37654.53	37786.62	34236.84	39398.34	16918.62	37744.44	37595.7
106.824285	106.973096	107.348352	106.990125	107.060706	52.870687	107.228522	106.805965
37296	39072	39072	35520	40848	35520	39072	39072
111	111	111	111	111	111	111	111
21814.006	23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316
40.487177	40.380551	40.840309	40.822852	41.146572	41.1793	41.92973	41.518903
40.033767	39.915576	40.485488	40.410302	40.682133	40.6709	41.485257	40.978883
869800.969	936421.035	1005241.37	911978.728	996669.907	424066.789	795289.03	883550.759
1268766.89	1374515.71	2152375.07	1783439.29	1626978.35	633845.463	1455262.89	1426455.44
398965.921	438094.671	1147133.7	871460.56	630308.444	209778.674	659973.859	542904.683
1268766.89	1374515.71	2152375.07	1783439.29	1626978.35	633845.463	1455262.89	1426455.44
323.36	339.23	340.42	308.44	354.94	152.36	340.04	338.7
10977.0971	34.768667	24.756461	593.944071	16198.2034	28116.9628	18641.0173	7045.97901
21969.8009	55.654477	117.420008	1791.65306	37656.6923	61872.5241	75155.375	14124.6271
6.933711	0.591365	0.514629	2.20175	8.418497	16.316481	8.997151	6.847204
286.73103	0.906116	0.633633	15.271734	417.782869	725.913653	479.732802	181.42881
30.148916	35.455843	36.715339	38.179404	31.094517	27.938696	18.858949	26.921592
30.145565	35.455843	34.879572	38.179078	31.088767	27.926693	18.853208	26.916292
21814.006	23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316
64.922636	66.89209	70.916778	70.803468	66.960782	32.688512	54.648471	61.404306
273931.248	303524.835	1005153.79	742604.447	489448.402	149955.731	547551.533	418297.618
273931.248	303524.835	1005153.79	742604.447	489448.402	149955.731	547551.533	418297.618
21527.275	23545.1099	24962.0724	22641.8383	24223.7851	9734.41035	18756.5292	21432.8872
850897.471	927270.906	997637.112	903805.284	971376.303	391604.247	769068.513	867510.44
5.84	0.04	0.01	0.72	6.42	5.59	2.96	1.47
-398965.92	-438094.67	-1147133.7	-871460.56	-630308.44	-209778.67	-659973.86	-542904.68
-420935.72	-438150.33	-1147251.1	-873252.21	-667965.14	-271651.2	-735129.23	-557029.31

252.22	284.29	265.37	240.25	266.62	104.13	283.95	271.26
					0.5		
91079.4294	113824.718	113327.869	98472.9904	101247	39480.8157	85497.7038	98778.9725
0.8	0.92	0.75	0.75	0.9	0.43	0.75	0.89
7926.4	9115.36	7579.5	7579.5	9095.4	4345.58	7579.5	8994.34
994835.642	1070990.87	1147221.28	1040834.84	1137529.95	483889.732	907711.356	1008157.82
994835.642	1070990.87	1147221.28	1040834.84	1137529.95	483889.732	907711.356	1008157.82
820864.237	883039.165	949733.473	860897.577	940262.696	399637.387	750775.907	833056.932
21814.006	23546.016	24962.706	22657.11	24641.568	10460.324	19236.262	21614.316
7926.4	9115.36	7579.5	7579.5	9095.4	4345.58	7579.5	8994.34
994835.642	1070990.87	1147221.28	1040834.84	1137529.95	483889.732	907711.356	1008157.82
41010.3313	44266.5101	47928.3955	43501.6512	47311.8106	20083.8221	36933.623	41499.4867
6.13	0.06	0.04	0.58	9.19	8.46	7.09	5.2
0.3	0.45	0.45	0.45	0.6	0.3	0.6	0.3
0.000688	0.000965	0.019538	0.011723	0.005549	0.000695	0.022829	0.009091
0.000684	0.000965	0.01946	0.011718	0.005489	0.000656	0.021335	0.007897
75.462532	11.776343	518.94234	179.276903	102.446649		228.226183	396.392845
0.263561	0.035911	1.490477	0.566142	0.328833		0.875797	1.05262
0.69	1.02	20.55	11.25	6.06	0.63	22.53	8.34
0.030327	0.033068	0.033465	0.032562	0.02201	0.033281	0.028409	0.037812
10.35	15.3	308.25	168.75	90.9	9.45	337.95	125.1
255.318476	377.427313	7756.13129	4246.05727	2287.20952	237.779207	8503.43737	3147.74379
0.523393	0.785089	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862
15.53742	22.96836	472.023225	258.406874	139.19517	14.470785	517.502834	191.56563
977.43	1021.08	1020.66	928.74	1079.7	928.05	1026	1016.07
2.909017	2.900795	2.899602	2.902312	2.933967	2.900156	2.914772	2.886562
1008	1056	1056	960	1104	960	1056	1056
3	3	3	3	3	3	3	3
0.69	1.02	20.55	11.25	6.06	0.63	22.53	8.34
7.850895	11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936
7.850895	11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936
270.855896	400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942
295.482408	446.275111	13397.0214	7013.49679	3033.08932	285.092759	19340.9956	9092.69271
24.626512	45.879438	5168.86685	2509.03264	606.68463	32.842767	10320.0554	5753.38329
295.482408	446.275111	13397.0214	7013.49679	3033.08932	285.092759	19340.9956	9092.69271
0.23	0.34	6.85	3.75	2.02	0.21	7.51	2.78
195.393364	388.619329	7709.21217	4325.18725	2323.95804	252.249992	8792.71402	2942.91658
215.734491	434.158836	12674.592	6750.35877	2905.36784	285.092759	18763.3449	7957.72193
0.057515	0.06	0.089872	0.089752	0.119613	0.06	0.12	0.06
0.49776	0.99	19.253929	10.802251	5.804137	0.63	21.96	7.35
392.544777		400.396813	400.396813	400.396813			
3.925447		4.003968	4.003968	4.003968			
0.69	1.02	20.55	11.25	6.06	0.63	22.53	8.34
0.002053	0.002897	0.05838	0.035156	0.016467	0.001968	0.064005	0.023693
24.626512	45.879438	5168.86685	2509.03264	606.68463	32.842767	10320.0554	5753.38329
24.626512	45.879438	5168.86685	2509.03264	606.68463	32.842767	10320.0554	5753.38329

0.192239	0.03	1.29607	0.447748	0.255862		0.57	0.99
75.462532	11.776343	518.94234	179.276903	102.446649		228.226183	396.392845
-24.626512	-45.879438	-5168.8668	-2509.0326	-606.68463	-32.842767	-10320.055	-5753.3833
-240.361	-480.03827	-17843.459	-9259.3914	-3512.0525	-317.93553	-29083.4	-13711.105
67.5223	117.9865	2334.613	1236.0148	612.1668	59.2019	1969.8509	926.8262
0.1	0.19	0.52	0.7	0.82	0.05	0.74	0.25
270.855896	400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942
270.855896	400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942
270.855896	400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942
0.69	1.02	20.55	11.25	6.06	0.63	22.53	8.34
270.855896	400.395673	8228.15451	4504.46415	2426.40469	252.249992	9020.9402	3339.30942
11.830858	11.759161	11.672763	11.656519	11.747659	11.760918	12.155599	11.868224
0.656148	0.674845	0.711794	0.704814	0.678604	0.657506	0.540545	0.634312
0.621893	0.589225	0.681085	0.668232	0.646996	0.622539	0.371505	0.60801
281414.14	277790.044	325452.353	290301.954	324324.843	272373.476	184074.981	294983.902
971.04445	799.823835	951.924586	886.251073	1107.06408	1024.14856	714.539549	990.614457
8985.12	8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84
0.053392	0.042073	0.045596	0.054	0.048206	0.053281	0.051818	0.041903
103688.353	102299.218	117703.852	105032.302	117659.921	98722.1047	66683.2414	106810.274
156398.574	154383.206	183150.83	163325.338	182160.159	153120.847	103727.882	166042.456
2.5991	2.5991	2.6495	2.6495	2.6495	2.6495	2.649499	2.6495
113963.868	112437.071	129415.385	115483.017	129367.084	108544.954	73318.2239	117437.896
13676.58	13172.19	14445.85	13016.96	15061.18	13026.85	10418.47	14501.75
40.704107	37.420994	41.039346	40.678	40.927119	40.708906	29.597926	41.198153
14448	15136	15136	13760	15824	13760	15136	15136
43	43	43	43	43	43	43	43
8985.12	8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84
32.709049	32.506866	32.730513	32.857881	32.990441	33.261485	34.43361	33.436022
31.955701	31.775912	32.168655	32.122079	32.380659	32.405577	33.443859	32.682525
286903.081	282837.91	330700.253	295699.794	329122.923	278570.996	188373.261	300531.682
503272.666	497687.654	838617.651	692017.39	647216.815	487048.131	409591.272	550928.481
216369.585	214849.744	507917.398	396317.596	318093.892	208477.135	221218.01	250396.799
503272.666	497687.654	838617.651	692017.39	647216.815	487048.131	409591.272	550928.481
317.87	306.33	335.95	302.72	350.26	302.95	241.64	337.25
32.935804	35.287181	38.309867	29.275159	30.849613	31.844077	18.555981	23.845002
9.880741	5.645949	8.045072	3.80577	7.403907	21.972413	7.051272	4.05365
8985.12	8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84
26.741428	25.336676	29.286676	28.734	27.820869	26.769187	15.974715	26.144431
162171.683	161377.943	446393.595	341417.211	256593.051	156875.091	186362.68	194567.069
162171.683	161377.943	446393.595	341417.211	256593.051	156875.091	186362.68	194567.069

8985.12	8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84
281414.14	277790.044	325452.353	290301.954	324324.843	272373.476	184074.981	294983.902
-216369.59	-214849.74	-507917.4	-396317.6	-318093.89	-208477.14	-221218.01	-250396.8
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3.68	1.23	2.27	1.88	3.24	17.56	6.22	2.31
	0.090909					0.272727	
88501.6993	100817.737	110817.781	95016.3643	99103.6573	76680.0803	58769.1534	97686.9389
1.12	1.03	1.05	1.08	0.96	1.24	0.86	1.11
5488.9408	5047.8652	5247.9	5397.84	4798.08	6197.52	4298.28	5547.78
341100.982	336309.711	392224.056	350600.179	390623.764	330173.04	223228.591	356361.412
341100.982	336309.711	392224.056	350600.179	390623.764	330173.04	223228.591	356361.412
270362.442	266820.277	312566.215	278808.354	311527.243	261665.801	177046.106	283480.352
8985.12	8918.51	10308.91	9194.88	10238.08	8566.14	5623.1	9202.84
5488.9408	5047.8652	5247.9	5397.84	4798.08	6197.52	4298.28	5547.78
341100.982	336309.711	392224.056	350600.179	390623.764	330173.04	223228.591	356361.412
11051.6976	10969.7673	12886.1375	11493.6	12797.6	10707.675	7028.875	11503.55
0.3	0.45	0.45	0.45	0.6	0.3	0.6	0.3
0.000693	0.000982	0.01946	0.011718	0.005579	0.000656	0.022871	0.009119
0.000684	0.000909	0.01946	0.011718	0.00557	0.000656	0.022471	0.009119
50.625632	11.776343	463.174422	168.166661	144.142852		228.226183	378.440776
0.175393	0.035911	1.328844	0.529206	0.481533		0.875797	1.003885
0.69	0.96	20.55	11.25	6.15	0.63	23.73	9.63
0.034732	0.025568	0.026676	0.034687	0.029266	0.020781	0.023437	0.040113
10.35	14.4	308.25	168.75	92.25	9.45	355.95	144.45
255.318476	355.225706	7756.13129	4246.05727	2321.17798	237.779207	8956.35014	3634.62503
0.523393	0.785089	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862
15.53742	21.61728	472.023225	258.406874	141.262425	14.470785	545.066235	221.196285
972.99	1029	1027.83	926.7	1071.69	940.05	1031.25	1013.64
2.895803	2.923295	2.919971	2.895937	2.912201	2.937656	2.929687	2.879659
1008	1056	1056	960	1104	960	1056	1056
3	3	3	3	3	3	3	3
0.69	0.96	20.55	11.25	6.15	0.63	23.73	9.63
7.850895	11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936
7.850895	11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936
270.855896	376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131
295.482408	421.317647	13397.0214	7013.49679	3079.44379	285.092759	21033.3765	10503.7881
24.626512	44.474661	5168.86685	2509.03264	617.003387	32.842767	11531.9601	6647.96681
295.482408	421.317647	13397.0214	7013.49679	3079.44379	285.092759	21033.3765	10503.7881
0.23	0.32	6.85	3.75	2.05	0.21	7.91	3.21
220.230264	365.066643	7764.98009	4336.29749	2318.29755	252.249992	9273.19019	3477.38053
241.328763	409.201371	12749.8632	6766.3649	2900.97008	285.092759	20455.7258	9455.49549
0.056551	0.06	0.089634	0.09	0.12	0.06	0.12	0.059946
0.561032	0.93	19.393211	10.83	5.79	0.63	23.16	8.684835
392.544777		400.396813	502.279068			790.899962	400.396813
3.925447		8.007936	5.02279			7.908999	4.003968

0.69	0.96	20.55	11.25	6.15	0.63	23.73	9.63
0.002053	0.002727	0.05838	0.035156	0.016711	0.001968	0.067414	0.027357
24.626512	44.474661	5168.86685	2509.03264	617.003387	32.842767	11531.9601	6647.96681
24.626512	44.474661	5168.86685	2509.03264	617.003387	32.842767	11531.9601	6647.96681
0.128967	0.03	1.156788	0.42	0.36		0.57	0.945164
50.625632	11.776343	463.174422	168.166661	144.142852		228.226183	378.440776
		0.02	0.08	0.06		0.47	
-24.626512	-44.474661	-5168.8668	-2509.0326	-617.00339	-32.842767	-11531.96	-6647.9668
-265.95528	-453.67603	-17918.73	-9275.3975	-3517.9735	-317.93553	-31987.686	-16103.462
			0.05			0.01	
67.5223	111.504	2334.613	1236.0148	619.875	59.2019	2069.6194	1069.7036
0.1	0.17	0.52	0.7	0.82	0.05	0.76	0.28
270.855896	376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131
270.855896	376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131
270.855896	376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131
0.69	0.96	20.55	11.25	6.15	0.63	23.73	9.63
270.855896	376.842986	8228.15451	4504.46415	2462.4404	252.249992	9501.41638	3855.82131

3.418834	3.264393	4.557374	5.700987	5.263081	4.561976	2.292054	4.002022
0.086341	0.067498	0.128826	0.128513	0.112219	0.122567	0.080249	0.097483
0.084232	0.065352	0.12525	0.122081	0.109581	0.119593	0.078971	0.096107
29810.6203	91039.9692	115219.48	82424.8828	34964.469	71741.3901	19125.2052	51990.807
99.743869	254.642357	333.381748	245.338465	114.322285	263.953658	72.644214	152.816564
1415.1	1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5
0.028333	0.026477	0.029318	0.033859	0.030828	0.031906	0.024872	0.029034
20336.7	16565.4	31940.4	28220.1	29106.3	27602.3	20136.3	24400.7
158680.001	135407.369	242983.576	214506.829	195509.86	170866.164	110711.722	140457.28
1.789096	1.774308	2.076703	2.633067	2.296142	1.966348	0.887248	1.594459
3723.82581	11253.6412	15110.6593	10950.2846	4970.64904	11520.7498	3483.55166	8924.48722
16321.9	17155.9	17085.8	15449.7	17813.7	15504.2	17229.6	17118.4
48.577083	48.738352	48.539204	48.280312	48.406793	48.450625	48.947727	48.631818
16800	17600	17600	16000	18400	16000	17600	17600
50	50	50	50	50	50	50	50
1415.1	1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5
48.395284	40.535779	52.667578	68.276706	58.959348	50.065617	25.041861	43.848004
25.605468	25.312426	29.842353	37.758066	32.906359	28.173431	12.801276	23.154703
159078.681	135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681
227591.684	200729.331	561048.955	426143.542	357869.127	283189.885	509283.638	375210.993
68513.0032	64946.935	317198.792	210997.127	161740.555	111735.455	398014.414	234164.312
227591.684	200729.331	561048.955	426143.542	357869.127	283189.885	509283.638	375210.993
117.35	102.88	191.65	226.81	198.3	152.91	99.25	152.61
129268.06	44742.4272	128630.683	132721.533	161164.103	99713.0392	92144.0187	89055.8743
183448.431	66241.9664	302725.934	272385.255	294043.146	164892.857	437008.33	214845.989
5.230852	2.873912	5.029682	6.812586	7.860598	6.237219	3.408661	4.952646
1152.57217	359.056963	1143.04456	1181.67452	1665.7064	1104.81813	1143.97162	1063.10213
117.308845	124.45689	108.628978	110.082116	105.885121	103.424112	92.843502	98.119596
28.130528	27.371821	34.670846	42.880461	35.953556	31.027233	13.913766	27.457594

1415.1	1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5
4.211607	3.267613	6.2625	6.104062	5.479076	5.979687	3.948579	4.805397
68513.0032	64946.935	317198.792	210997.127	161740.555	111735.455	398014.414	234164.312
68513.0032	64946.935	317198.792	210997.127	161740.555	111735.455	398014.414	234164.312
262.527833	791.143036	1061.35544	771.62548	350.593603	808.681866	245.928381	628.397871
29810.6203	91039.9692	115219.48	82424.8828	34964.469	71741.3901	19125.2052	51990.807
20.24	11.61	24.89	23.9	29.5	24.23	15.21	20.97
-68513.003	-64946.935	-317198.79	-210997.13	-161740.55	-111735.46	-398014.41	-234164.31
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1.94	7.53	7.95	5.22	2.14	7.45	1.23	4
14278.457	14209.7502	28002.4122	23325.357	21565.6051	18432.5982	13410.7214	19079.8162
0.2	0.21	0.45	0.27	0.23	0.24	0.29	0.32
153.54	159.147	352.359	223.027	200.151	200.592	234.465	246.344
159078.681	135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681
159078.681	135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681
158680.001	135407.369	242983.576	214506.829	195509.86	170866.164	110711.722	140457.28
1415.1	1150.2	2204.4	1953.3	2016.3	1913.5	1389.9	1691.5
153.54	159.147	352.359	223.027	200.151	200.592	234.465	246.344
159078.681	135782.396	243850.163	215146.415	196128.572	171454.429	111269.224	141046.681
245.14	215.88	514.228	416.559	418.561	387.673	323.037	343.057
		0.01		0.01			
0.3	0.45	0.45	0.45	0.6	0.3	0.6	0.3
0.000684	0.000965	0.019548	0.011911	0.005804	0.000711	0.023167	0.00913
0.000684	0.000965	0.019403	0.011312	0.005489	0.000656	0.021704	0.009119
31.403582	15.701791	529.738727	133.784619	192.19047		288.285705	495.090367
0.1071	0.047881	1.516765	0.419524	0.642044		1.105938	1.312413
0.92	1.36	27.32	14.48	8.08	0.84	30.56	12.84
0.029285	0.022329	0.037244	0.024437	0.030815	0.017187	0.03213	0.036335
13.8	20.4	409.8	217.2	121.2	12.6	458.4	192.6
340.424635	503.236417	10311.3142	5465.1475	3049.61269	317.038943	11534.1787	4846.1667
0.523393	0.785089	0.800793	0.800793	1.067724	0.533862	1.067724	0.533862
20.71656	30.62448	627.52674	332.59836	185.59356	19.29438	701.94792	294.92838
1304.64	1376.56	1355.56	1248.72	1426.64	1258	1362.76	1356.84
3.882857	3.910681	3.851022	3.90225	3.876739	3.93125	3.871477	3.854659
1344	1408	1408	1280	1472	1280	1408	1408
4	4	4	4	4	4	4	4
0.92	1.36	27.32	14.48	8.08	0.84	30.56	12.84
7.850895	11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936
7.850895	11.776343	12.011904	12.011904	16.015872	8.007936	16.015872	8.007936
361.141195	533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508
393.976545	595.033482	17829.6544	9091.2025	4050.66773	380.123679	26337.8522	14005.0508
32.835349	61.172584	6890.8135	3293.45665	815.461474	43.790356	14101.7256	8863.95575
393.976545	595.033482	17829.6544	9091.2025	4050.66773	380.123679	26337.8522	14005.0508
0.23	0.34	6.83	3.62	2.02	0.21	7.64	3.21
329.737613	518.159106	10409.1022	5663.96124	3043.01578	336.333323	11947.8409	4646.00471
360.276766	578.878448	17095.2316	8877.83313	3812.70278	380.123679	25599.2769	12656.6483

0.08	0.08	0.119852	0.119943	0.16	0.08	0.16	0.079871
0.84	1.32	25.996965	14.145869	7.6	0.84	29.84	11.6035
421.505572	404.1342	559.589986	588.819725	492.449014		1026.05969	740.943253
4.215055	4.041342	11.191799	11.776394	9.84898		20.521193	14.818865
0.92	1.36	27.32	14.48	8.08	0.84	30.56	12.84
0.002738	0.003863	0.077613	0.04525	0.021956	0.002625	0.086818	0.036477
32.835349	61.172584	6890.8135	3293.45665	815.461474	43.790356	14101.7256	8863.95575
32.835349	61.172584	6890.8135	3293.45665	815.461474	43.790356	14101.7256	8863.95575
0.08	0.04	1.323034	0.33413	0.48		0.72	1.236499
31.403582	15.701791	529.738727	133.784619	192.19047		288.285705	495.090367
0.2	0.32	6.49	3.53	1.88	0.19	7.46	2.91
-32.835349	-61.172584	-6890.8135	-3293.4566	-815.46147	-43.790356	-14101.726	-8863.9557
-393.11212	-640.05103	-23986.045	-12171.29	-4628.1643	-423.91404	-39701.003	-21520.604
0.02	0.01	0.32	0.08	0.12		0.18	0.3
67.5223	117.9865	2327.4224	1195.2051	608.9866	59.2019	1997.3444	1069.7036
0.1	0.19	0.51	0.66	0.81	0.05	0.76	0.28
361.141195	533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508
361.141195	533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508
361.141195	533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508
0.92	1.36	27.32	14.48	8.08	0.84	30.56	12.84
361.141195	533.860897	10938.8409	5797.74586	3235.20625	336.333323	12236.1266	5141.09508

10.680717	10.625824	10.534504	10.512283	10.606347	10.608306	10.925793	10.723706
0.482119	0.509348	0.551072	0.561724	0.50401	0.487388	0.334462	0.445795
0.459659	0.487798	0.522693	0.537559	0.475529	0.459287	0.227607	0.423863
328152.597	362743.143	394351.581	368757.718	375948.626	316807.45	177060.508	324681.706
1129.99904	1048.18331	1154.50198	1125.1788	1279.62562	1189.6264	686.801477	1085.53817
9050.51	10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124
0.054791	0.046704	0.052329	0.048937	0.060461	0.061843	0.069261	0.051107
93397.3812	103456.061	110355.895	103152.72	105516.211	88786.6199	49629.7271	90891.0333
141901.406	156410.39	172124.868	161034.731	163502.385	138062.864	77220.5352	141739.522
3.4341	3.4341	3.5012	3.5012	3.5012	3.5012	3.5012	3.5012
180639.875	200094.368	215326.423	201271.587	205883.23	173240.453	96837.5235	177346.584
18610.774	19663.816	19547.788	17834.324	20260.95	17592.306	14022.394	19572.986
55.389208	55.863113	55.533488	55.732262	55.056929	54.975956	39.836346	55.605073
19689.6	20627.2	20627.2	18752	21564.8	18752	20627.2	20627.2
58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6
9050.51	10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124
42.8035	42.570768	42.052253	41.3409	42.898343	43.091649	46.187691	42.648019
37.280447	37.096701	37.51482	37.435063	37.776547	37.777222	38.885154	38.176077
355497.502	392755.844	424964.545	393021.327	407241.878	344480.398	199965.83	348491.789
602561.233	654862.376	1005637.92	888839.025	753797.731	590289.224	488686.457	674121.903
247063.731	262106.532	580673.371	495817.698	346555.852	245808.825	288720.627	325630.114
602561.233	654862.376	1005637.92	888839.025	753797.731	590289.224	488686.457	674121.903
317.59	335.56	333.58	304.34	345.75	300.21	239.29	334.01
					7.898815	2.288955	
					10.443376	2.079635	

					0.197734	0.056252	
					0.197734	0.056252	
34.940843	35.22432	36.233825	43.01066	35.763196	31.490159	21.602774	26.626762
26.555041	30.645158	26.088354	29.677355	26.464765	31.175258	14.004206	20.502606
9050.51	10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124
26.936041	28.584977	30.629835	31.500975	27.866043	26.914218	13.337795	24.83842
198244.92	208030.049	522990.344	441899.772	291402.529	199400.059	262779.168	278121.371
198244.92	208030.049	522990.344	441899.772	291402.529	199400.059	262779.168	278121.371
9050.51	10061.912	10781.702	10080.312	10254.704	8612.35227	4694.84775	8743.124
328152.597	362743.143	394351.581	368757.718	375948.626	316807.45	177060.508	324681.706
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14.99	18.35	14.57	13.17	16.53	121.54	9.97	18.5
						0.272727	
83334.6415	104654.583	102909.208	91288.2329	91287.2336	71781.6528	52402.1432	91780.6221
1.23	1.35	1.35	1.07	1.38	1.22	1.01	1.05
27344.9049	30012.7005	30612.9645	24263.6089	31293.2526	27665.0494	22903.0327	23810.0835
404316.313	446832.327	482647.572	446939.253	462395.202	390889.164	225907.288	396000.532
404316.313	446832.327	482647.572	446939.253	462395.202	390889.164	225907.288	396000.532
322541.281	356504.758	387451.292	362306.318	369385.615	311303.317	174058.059	319086.106
9050.51	10061.912	10781.702	10080.312	10254.704	8612.55	4694.904	8743.124
27344.9049	30012.7005	30612.9645	24263.6089	31293.2526	27665.0494	22903.0327	23810.0835
404316.313	446832.327	482647.572	446939.253	462395.202	390889.164	225907.288	396000.532
5611.3162	6238.38544	6900.28928	6451.39968	6563.01056	5512.032	3004.73856	5595.59936
					0.01	0.01	
3.15	2.7	4.2	5.85	4.8	4.05	2.1	3.6
0.0792	0.061182	0.123253	0.12259	0.106894	0.116764	0.076748	0.092947
0.078035	0.060653	0.122102	0.120406	0.105679	0.112218	0.074232	0.089573
4783.70679	17373.1871	20574.534	13675.1815	6041.07067	15309.2978	2921.89728	9747.69863
16.044302	48.311828	59.422271	40.735466	19.726945	56.017482	11.137581	28.317606
367.08	298.9	601.72	539.42	544.46	502.74	365.82	441.42
0.030238	0.026164	0.026051	0.027062	0.030108	0.033875	0.035227	0.024801
5506.2	4483.5	9025.8	8091.3	8166.9	7541.1	5487.3	6621.3
42955.5346	36883.995	68682.3528	61264.5084	54959.2463	46621.2236	30104.6164	38071.6628
1.537	1.399073	1.84094	2.559446	2.0239	1.659436	0.76931	1.3898
584.373637	2155.06616	2701.3783	1822.20785	834.326196	2457.30915	534.564783	1663.21768
4561.76	4799.06	4799.62	4358.76	4996.88	4328.24	4754.4	4805.78
13.576666	13.633693	13.635284	13.621125	13.578478	13.52575	13.506818	13.652784
4704	4928	4928	4480	5152	4480	4928	4928
14	14	14	14	14	14	14	14
367.08	298.9	601.72	539.42	544.46	502.74	365.82	441.42
23.14003	21.307024	27.920865	38.652633	30.560425	25.039727	11.696135	21.044268
23.14003	21.307024	27.920865	38.652633	30.560425	25.039727	11.696135	21.044268
43008.0346	36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628
60879.701	54850.014	158199.325	119734.765	99794.7444	75577.7549	140440.627	102170.892

17871.6664	17850.519	89306.9719	58396.7563	44730.4981	28893.5314	110178.511	63941.7296
60879.701	54850.014	158199.325	119734.765	99794.7444	75577.7549	140440.627	102170.892
62.12	54.7	96.15	123.88	116.21	76.72	56.72	83.78
38224.3279	19626.3079	48317.8189	47662.827	49023.1756	31374.9258	27340.2191	28481.4641
53823.7002	29019.32	112307.391	96410.3717	88492.8366	51140.1246	129436.37	72579.9921
2.904603	2.182655	3.538989	5.084617	4.387479	3.593451	1.898864	3.005342
328.121757	155.228922	421.628113	417.939476	488.838253	338.919389	330.182347	330.538821
118.931984	122.070152	110.579888	111.371793	102.614861	98.925441	86.184647	93.956868
23.098377	21.972627	27.600923	36.64784	27.657037	25.476222	12.06585	22.549648
367.08	298.9	601.72	539.42	544.46	502.74	365.82	441.42
1.0925	0.849147	1.709431	1.685687	1.47951	1.571062	1.039261	1.254034
17871.6664	17850.519	89306.9719	58396.7563	44730.4981	28893.5314	110178.511	63941.7296
17871.6664	17850.519	89306.9719	58396.7563	44730.4981	28893.5314	110178.511	63941.7296
38.958242	143.671077	180.091886	121.480523	55.621746	163.82061	35.637652	110.881178
4783.70679	17373.1871	20574.534	13675.1815	6041.07067	15309.2978	2921.89728	9747.69863
8.16	3.72	5.35	7.79	9.12	7.02	3.85	6.32
-17871.666	-17850.519	-89306.972	-58396.756	-44730.498	-28893.531	-110178.51	-63941.73
-71695.367	-46869.839	-201614.36	-154807.13	-133223.33	-80033.656	-239614.88	-136521.72
0.61	2.21	1.88	2.02	0.66	2.88	0.43	2.06
7705.3294	7522.5125	14663.8397	12715.9147	11593.7175	9716.777	6787.419	10008.7623
0.05	0.11	0.2	0.07	0.1	0.06	0.15	0.15
52.5	115.5	210	73.5	105	63	157.5	157.5
43008.0346	36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628
43008.0346	36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628
42955.5346	36883.995	68682.3528	61264.5084	54959.2463	46621.2236	30104.6164	38071.6628
367.08	298.9	601.72	539.42	544.46	502.74	365.82	441.42
52.5	115.5	210	73.5	105	63	157.5	157.5
43008.0346	36999.495	68892.3528	61338.0084	55064.2463	46684.2236	30262.1164	38229.1628

11.24628	11.169723	11.148355	11.123704	11.207962	11.252754	11.483962	11.310571
0.376334	0.377728	0.425354	0.426327	0.396151	0.350336	0.294514	0.358898
0.362321	0.361196	0.410643	0.409869	0.381321	0.285361	0.262164	0.34674
1645414.38	1895806.5	2154160.3	1915110.31	1870211.4	1216868.87	1232644.37	1696654.87
5655.98826	5457.80834	6295.55082	5829.00323	6347.28393	4545.19595	4773.89408	5620.81279
44690.776	46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59
0.035646	0.030464	0.033236	0.035659	0.034661	0.035602	0.034284	0.034987
490997.071	509733.013	581280.462	526649.131	566250.039	369798.584	382423.364	496892.905
1082784.54	1076551.54	1448542.71	1285290.87	1278805.87	891189.542	867267.588	1055276.28
3.472397	3.464441	3.631904	3.642219	3.538873	3.477825	3.493861	3.450024
754502.462	807567.885	875984.766	797205.909	859251.448	503859.329	592687.026	759020.226
21499.4086	37824.6623	52085.9361	41824.8097	25376.1917	34465.1235	15824.4037	31427.0978
118514.149	123538.301	124703.643	112909.749	129774.405	95453.026	115135.009	124493.516
352.720681	350.961082	354.271713	352.842965	352.647839	298.290706	327.088093	353.674761
123345.6	129219.2	129219.2	117472	135092.8	117472	129219.2	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
44690.776	46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59

244.166543	245.835931	274.203782	306.118292	301.172954	252.882961	233.460966	235.004449
40.664078	40.301293	42.257894	42.256451	41.384368	40.784397	41.872105	40.710475
1966286	2016819.78	2477119.77	2218324.21	2288441.91	1504986.48	1565984.02	1942474.1
3063130.56	3150687.58	5644051.02	4609543.38	4061192.96	2501729.67	3866065.76	3738389.69
1096844.56	1133867.8	3166931.25	2391219.17	1772751.05	996743.195	2300081.75	1795915.59
3063130.56	3150687.58	5644051.02	4609543.38	4061192.96	2501729.67	3866065.76	3738389.69
1237.32	1245.08	1544.99	1484.67	1561.47	1153.55	1087.91	1368.92
280111.378	76837.3482	279519.105	265972.95	373043.777	249909.457	298558.834	207467.023
416598.721	112973.67	614991.506	530693.283	690567.3	440215.516	1182308.57	495093.604
2.869663	1.156568	1.917208	2.959133	4.01921	4.737658	2.341888	2.707534
2999.22086	619.587842	2111.38649	2247.79075	4307.9563	3461.07347	3260.37789	2462.23904
40.837865	43.60855	50.759194	52.812446	46.730291	39.829616	28.639706	39.130124
40.706103	43.606361	50.718047	52.78288	46.691919	39.785645	28.614438	39.123559
44690.776	46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59
133.008261	132.595221	150.74738	150.463256	139.983211	104.756043	96.240698	127.288607
868793.177	891749.68	2905744.51	2153544.75	1515236.85	838909.442	2126862.63	1567970.05
868793.177	891749.68	2905744.51	2153544.75	1515236.85	838909.442	2126862.63	1567970.05
41691.5551	46053.9302	50951.6915	45900.4513	47205.8657	30060.8605	30616.3481	42343.351
1645414.38	1895806.5	2154160.3	1915110.31	1870211.4	1216868.87	1232644.37	1696654.87
50.25	18.9	42.15	43.16	62.26	45.87	37.57	40.37
-1096844.6	-1133867.8	-3166931.2	-2391219.2	-1772751.1	-996743.19	-2300081.7	-1795915.6
-1513443.3	-1246841.5	-3781922.8	-2921912.5	-2463318.4	-1436958.7	-3482390.3	-2291009.2
279.45	332.43	309.58	275.89	295.72	263.59	305.83	305.96
	0.008264				0.045454	0.049586	
300619.529	357800.004	402740.425	346323.842	346673.739	232409.205	235618.452	337802.195
4.11	4.6	5.8	5.75	6.49	3.68	5.66	4.74
41189.0893	44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426
2194337.39	2258937.9	2738306.51	2455998.64	2545956.12	1662820.23	1739203.13	2170419.63
2194337.39	2258937.9	2738306.51	2455998.64	2545956.12	1662820.23	1739203.13	2170419.63
1837287	1884119.42	2324527.48	2082496.78	2138057.32	1395048.87	1459954.61	1814296.51
44690.776	46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59
41189.0893	44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426
2194337.39	2258937.9	2738306.51	2455998.64	2545956.12	1662820.23	1739203.13	2170419.63
87809.9131	88010.6548	108335.172	98041.7239	104627.828	71275.2981	70653.7296	89200.4431
6.13	0.06	0.17	0.75	9.66	8.47	7.1	5.2

4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
764668.758	1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407
2619.56201	4160.98771	3761.53665	3193.68689	2833.1469	3011.71724	2045.52618	3168.65721
-97543.929	-121912.33	-120493.32	-104945.7	-108160.83	-85238.064	-90926.614	-105773.72
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
764668.758	1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407
278.8	332.54	309.21	275.56	294.87	264.87	307	305.8
210.197636	267.956649	244.151403	233.986083	208.99508	205.947046	194.583697	254.472561
116.734644	159.646594	141.243584	131.546869	110.513875	115.947937	116.074237	135.033997
36571.7531	55108.2762	47943.1948	39888.6998	37511.512	33554.3352	38814.544	45068.0308

-97543.929	-121912.33	-120493.32	-104945.7	-108160.83	-85238.064	-90926.614	-105773.72
-290.30931	-346.34186	-342.31057	-327.9553	-293.9153	-266.36895	-258.31424	-300.49351
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-43.365164	-44.228208	-64.20138	-60.0644	-49.757835	-45.026611	-46.598897	-47.193373
-4237226.6	-5402257.8	-7727050.2	-6296274.6	-5377455	-3842058.6	-4244448.1	-5081250.7
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
5001895.36	6851217.24	9022827.4	7351055.22	6217925.31	4646026.52	4774828.06	6058609.13
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
764668.758	1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407
2619.56201	4160.98771	3761.53665	3193.68689	2833.1469	3011.71724	2045.52618	3168.65721
-97543.929	-121912.33	-120493.32	-104945.7	-108160.83	-85238.064	-90926.614	-105773.72
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
764668.758	1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407
278.8	332.54	309.21	275.56	294.87	264.87	307	305.8
210.197636	267.956649	244.151403	233.986083	208.99508	205.947046	194.583697	254.472561
116.734644	159.646594	141.243584	131.546869	110.513875	115.947937	116.074237	135.033997
36571.7531	55108.2762	47943.1948	39888.6998	37511.512	33554.3352	38814.544	45068.0308
-97543.929	-121912.33	-120493.32	-104945.7	-108160.83	-85238.064	-90926.614	-105773.72
-290.30931	-346.34186	-342.31057	-327.9553	-293.9153	-266.36895	-258.31424	-300.49351
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4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
5001895.36	6851217.24	9022827.4	7351055.22	6217925.31	4646026.52	4774828.06	6058609.13
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72

343006.522	365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836
1185.73969	1060.47514	1152.48154	1136.17691	1454.44088	1498.85125	1575.10173	1105.26026
6439.01862	6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443
276146.327	301522.117	457040.301	401546.646	378053.66	321836.13	343294.382	271500.643
6439.01862	6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443
19.163745	19.518075	20.186866	20.956263	20.867867	22.458466	20.808338	16.748222
-66860.194	-64462.103	63522.3724	30168.1221	-47230.15	-76163.823	-62338.37	-54985.193

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6439.01862	6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443
343006.522	365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836
66860.1944	64462.103	-63522.372	-30168.122	47230.1498	76163.8226	62338.3697	54985.1926
66860.1944	64462.103	-63522.372	-30168.122	47230.1498	76163.8226	62338.3697	54985.1926
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
343006.522	365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836
343006.522	365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836
6439.01862	6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443
343006.522	365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836
343006.522	365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836
6439.01862	6870.36268	7105.77698	6706.0044	7679.37541	7186.70915	7324.53506	5895.37443
276146.327	301522.117	457040.301	401546.646	378053.66	321836.13	343294.382	271500.643
-66860.194	-64462.103	63522.3724	30168.1221	-47230.15	-76163.823	-62338.37	-54985.193
343006.522	365984.22	393517.929	371378.524	425283.81	397999.953	405632.751	326485.836

324120.694	345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234
1120.45325	1001.95389	1084.62921	1069.49574	1368.64464	1412.18755	1482.69863	1038.13243
7233.22237	7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565
310148.617	338583.844	513505.831	451199.435	424723.381	361957.873	385596.589	304571.326
31.077729	42.306986	18.2184	28.27553	24.615661	31.437037	29.016125	24.005097
0.932331	3.807628	0.182184	0.56551	0.738469	5.658666	4.352418	1.440305
7233.22237	7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565
21.527447	21.922082	22.679993	23.549433	23.44227	25.261237	23.383715	18.778368
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7233.22237	7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565
324120.694	345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234
13972.0777	7195.79996	-143157.87	-101612.8	-24528.189	13040.1457	-3757.3465	2065.90773
13972.0777	7195.79996	-143157.87	-101612.8	-24528.189	13040.1457	-3757.3465	2065.90773
0.17	0.61	0.1	0.2	0.36	2.07	1.5	0.47
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
324120.694	345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234
324120.694	345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234
7233.22237	7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565
324120.694	345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234
324120.694	345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234
7233.22237	7716.57318	7983.35766	7535.81881	8626.75559	8083.59601	8231.06797	6609.98565
310148.617	338583.844	513505.831	451199.435	424723.381	361957.873	385596.589	304571.326
-13972.078	-7195.8	143157.869	101612.8	24528.1889	-13040.146	3757.34653	-2065.9077
324120.694	345779.644	370347.962	349586.635	400195.192	374998.019	381839.243	306637.234

123153.966	159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726
425.471751	461.054135	477.978631	414.429645	600.727124	579.089222	584.706085	558.207461
2403.94234	3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677
99206.054	137442.125	203694.265	160608.396	169307.832	133237.494	143281.758	151316.97
2403.94234	3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677

7.15459	8.82086	9.063022	8.263205	9.296659	9.349529	8.343699	9.147235
-23947.912	-21624.093	40261.1335	25144.7126	-5958.7457	-20034.96	-7179.845	-13634.756
-23947.912	-21624.093	40261.1335	25144.7126	-5958.7457	-20034.96	-7179.845	-13634.756
2403.94234	3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677
123153.966	159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726
23947.9119	21624.0935	-40261.133	-25144.713	5958.74565	20034.9599	7179.84503	13634.7555
23947.9119	21624.0935	-40261.133	-25144.713	5958.74565	20034.9599	7179.84503	13634.7555
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
123153.966	159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726
123153.966	159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726
2403.94234	3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677
123153.966	159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726
123153.966	159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726
2403.94234	3104.94278	3190.18409	2644.22572	3421.17075	2991.84957	2936.98229	3219.82677
99206.054	137442.125	203694.265	160608.396	169307.832	133237.494	143281.758	151316.97
-23947.912	-21624.093	40261.1335	25144.7126	-5958.7457	-20034.96	-7179.845	-13634.756
123153.966	159066.218	163433.131	135463.683	175266.578	153272.454	150461.603	164951.726

300800.554	287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965
1039.78751	834.343299	914.937554	655.211907	1193.62817	1189.96622	1096.10118	841.606971
3204.43756	3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674
132478.657	129687.59	218422.981	141045.335	184740.988	150913.393	151916.327	124792.332
3204.43756	3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674
9.537016	8.688204	9.429302	7.095299	10.098234	10.502228	8.531637	7.491894
-168321.9	-157390.16	-93142.309	-72086.097	-164094.05	-164556.75	-129988.08	-122756.63
-168321.9	-157390.16	-93142.309	-72086.097	-164094.05	-164556.75	-129988.08	-122756.63
3204.43756	3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674
300800.554	287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965
168321.897	157390.164	93142.309	72086.0971	164094.046	164556.755	129988.075	122756.633
168321.897	157390.164	93142.309	72086.0971	164094.046	164556.755	129988.075	122756.633
97383.5953	121912.333	120493.32	104945.696	108160.83	85238.0637	90668.2986	105282.211
300800.554	287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965
300800.554	287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965
3204.43756	3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674
300800.554	287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965
300800.554	287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965
3204.43756	3058.24815	3319.11462	2270.49571	3716.15036	3360.71319	3003.13627	2637.14674
132478.657	129687.59	218422.981	141045.335	184740.988	150913.393	151916.327	124792.332
-168321.9	-157390.16	-93142.309	-72086.097	-164094.05	-164556.75	-129988.08	-122756.63
300800.554	287077.754	311565.29	213131.432	348835.034	315470.147	281904.402	247548.965

1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76
3771.4522	3357.82646	3630.02693	3275.3142	4617.44082	4680.09424	4738.60763	3543.20713
19280.6209	20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336
817979.655	907235.676	1392663.38	1154399.81	1156825.86	967944.89	1024089.06	852181.272
31.077729	42.306986	18.2184	28.27553	24.615661	31.437037	29.016125	24.005097
0.932331	3.807628	0.182184	0.56551	0.738469	5.658666	4.352418	1.440305

19280.6209	20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336
57.3828	58.949223	61.359185	59.864201	63.705032	67.571462	61.06739	52.16572
-273102.08	-250672.16	153799.066	84839.5376	-192754.75	-273795.68	-195748.94	-193442.49
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19280.6209	20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336
1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76
273102.081	250672.16	-153799.07	-84839.538	192754.752	273795.683	195748.943	193442.488
273102.081	250672.16	-153799.07	-84839.538	192754.752	273795.683	195748.943	193442.488
0.17	0.61	0.1	0.2	0.36	2.07	1.5	0.47
390015.383	487649.332	481973.279	419782.783	432643.319	340952.255	363448.14	422603.357
1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76
1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76
19280.6209	20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336
1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76
1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76
19280.6209	20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336
817979.655	907235.676	1392663.38	1154399.81	1156825.86	967944.89	1024089.06	852181.272
-273102.08	-250672.16	153799.066	84839.5376	-192754.75	-273795.68	-195748.94	-193442.49
1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76

11.24628	11.169723	11.148355	11.123704	11.207962	11.252754	11.483962	11.310571
0.376334	0.377728	0.425354	0.426327	0.396151	0.350336	0.294514	0.358898
0.362321	0.361196	0.410643	0.409869	0.381321	0.285361	0.262164	0.34674
4237226.6	5402257.75	7727050.15	6296274.63	5377455.03	3842058.62	4244448.05	5081250.72
3501164.87	4502673.82	4688801.85	4039451.17	4060262.3	3262577.35	2982862.37	3719637.04
12047.0025	12976.6225	13687.1144	12298.0043	13797.8716	12237.0074	11558.0279	12332.6771
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3620139.53	3792527.12	3868377.66	3516706.97	4044213.01	3516706.97	3868377.66	3868377.66
0.035646	0.030464	0.033236	0.035659	0.034661	0.035602	0.034284	0.034987
490997.071	509733.013	581280.462	526649.131	566250.039	369798.584	382423.364	496892.905
1082784.54	1076551.54	1448542.71	1285290.87	1278805.87	891189.542	867267.588	1055276.28
3.472397	3.464441	3.631904	3.642219	3.538873	3.477825	3.493861	3.450024
754502.462	807567.885	875984.766	797205.909	859251.448	503859.329	592687.026	759020.226
21499.4086	37824.6623	52085.9361	41824.8097	25376.1917	34465.1235	15824.4037	31427.0978
118514.149	123538.301	124703.643	112909.749	129774.405	95453.026	115135.009	124493.516
352.720681	350.961082	354.271713	352.842965	352.647839	298.290706	327.088093	353.674761
123345.6	129219.2	129219.2	117472	135092.8	117472	129219.2	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
44690.776	46673.518	53063.078	48148.242	51513.822	33521.934	33876.726	44805.59
244.166543	245.835931	274.203782	306.118292	301.172954	252.882961	233.460966	235.004449
40.664078	40.301293	42.257894	42.256451	41.384368	40.784397	41.872105	40.710475
1966286	2016819.78	2477119.77	2218324.21	2288441.91	1504986.48	1565984.02	1942474.1
3063130.56	3150687.58	5644051.02	4609543.38	4061192.96	2501729.67	3866065.76	3738389.69
97543.9291	121912.333	120493.32	104945.696	108160.83	85238.0637	90926.6137	105773.715
1096844.56	1133867.8	3166931.25	2391219.17	1772751.05	996743.195	2300081.75	1795915.59

3881110.22	4057923.25	7036714.39	5763943.19	5218018.82	3469674.56	4890154.82	4590570.96
1237.32	1245.08	1544.99	1484.67	1561.47	1153.55	1087.91	1368.92
280111.378	76837.3482	279519.105	265972.95	373043.777	249909.457	298558.834	207467.023
33.6287	34.290133	47.205759	44.292366	37.240065	34.207338	35.206731	34.962085
764668.758	1448959.48	1295777.24	1054780.59	840470.284	803967.904	530380.006	977358.407
278.8	332.54	309.21	275.56	294.87	264.87	307	305.8
210.197636	267.956649	244.151403	233.986083	208.99508	205.947046	194.583697	254.472561
7.295915	9.977912	8.827724	8.221679	6.907117	7.246746	7.254639	8.439624
36,572	55,108	47,943	39,889	37,512	33,554	38,815	45,068
416598.721	112973.67	614991.506	530693.283	690567.3	440215.516	1182308.57	495093.604
1.972893	0.79514	1.31808	2.034404	2.763207	3.25714	1.610048	1.861429
2,999	620	2,111	2,248	4,308	3,461	3,260	2,462
40.769919	43.532346	50.752575	52.770841	46.69664	39.635063	28.663633	39.03515
40.638168	43.530158	50.711428	52.741274	46.658272	39.591196	28.638604	39.028589
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-74.446711	-70.144173	-70.852268	-72.186145	-74.879935	-79.711959	-68.020274	-71.760819
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60972.176	66804.0569	72550.1249	65056.9959	70649.3178	51683.7285	52112.0697	60705.6846
2736496.11	3053714.34	3393024.61	2984670.59	3219792.01	2458609.44	2452482.37	2742278.63
7033623.65	8311589.24	8274697.5	7336922.89	7841671.74	6635818.07	6008492.91	7347155.28
7381693.69	9647575.05	8955483.24	7861010.2	7991574.72	6999570.46	5356564.35	7829420.08
	0.008264				0.045454	0.049586	
788178.841	967361.669	1005207.02	871052.321	887477.888	658599.524	689993.205	866179.267
4.11	4.6	5.8	5.75	6.49	3.68	5.66	4.74
41189.0893	44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426
11142785.3	12611630.6	15572598.6	13338540.5	13317204.8	10263326.4	11071866.8	12165671.8
7522645.73	8819103.49	11704221	9821833.54	9272991.76	6746619.42	7203489.18	8297294.11
1837287	1884119.42	2324527.48	2082496.78	2138057.32	1395048.87	1459954.61	1814296.51
63971.3969	67423.6448	74661.5114	67304.7866	74957.2741	55144.8019	55372.4476	63167.9236
41189.0893	44689.6992	44257.1172	37785.7047	45756.7617	38662.306	35375.6721	38977.1426
7522645.73	8819103.49	11704221	9821833.54	9272991.76	6746619.42	7203489.18	8297294.11
87809.9131	88010.6548	108335.172	98041.7239	104627.828	71275.2981	70653.7296	89200.4431
1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76
19280.6209	20750.1268	21598.4334	19156.5446	23443.4521	21622.8679	21495.7216	18362.3336
817979.655	907235.676	1392663.38	1154399.81	1156825.86	967944.89	1024089.06	852181.272
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1091081.74	1157907.84	1238864.31	1069560.27	1349580.61	1241740.57	1219838	1045623.76

2034-07	2034-08	2034-09	2034-10	2034-11	2034-12	2035-01	2035-02
3516706.97	4044213.01	3516706.97	3868377.66	3692542.32	3516706.97		
-3516707	-4044213	-3516707	-3868377.7	-3692542.3	-3516707		
-3516707	-4044213	-3516707	-3868377.7	-3692542.3	-3516707		
3516706.97	4044213.01	3516706.97	3868377.66	3692542.32	3516706.97		
3516706.97	4044213.01	3516706.97	3868377.66	3692542.32	3516706.97		
3516706.97	4044213.01	3516706.97	3868377.66	3692542.32	3516706.97		
58.045717	52.763797	44.476647	44.749857	44.567717	45.478397	65.559033	61.091343
20.77584	20.775773	20.775799	20.775746	20.775813	20.775799	20.680513	20.6805
57.920232	52.638312	44.351162	44.624372	44.442232	45.352912	65.432225	60.964535
58.016759	52.734839	44.447689	44.720899	44.538759	45.449439	65.529769	61.062079
57.292803	52.010883	43.723733	43.996943	43.814803	44.725483	64.798183	60.330493
57.572733	52.290813	44.003663	44.276873	44.094733	45.005413	65.081063	60.613373
57.997454	52.715534	44.428384	44.701594	44.519454	45.430134	65.51026	61.04257
58.036064	52.754144	44.466994	44.740205	44.558064	45.468745	65.549278	61.081588
25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.665057	25.665057
1.55	1.55	1.55	1.55	1.55	1.55	1.59	1.59
57.73683	52.45491	44.16776	44.44097	44.25883	45.16951	65.24689	60.7792
5.618038	5.620596	5.645702	5.78679	6.759169	7.664591	7.689539	7.708009
42.977024	39.455952	33.933279	34.127172	34.086783	34.769354	48.194317	45.217396
42.977024	39.455952	33.933279	34.127172	34.086783	34.769354	48.194317	45.217396

0.416819	0.41682	0.6947	0.41682		0.27788	0.27788	0.83364
0.007309	0.0081	0.018439	0.002348		0.000409	0.014015	0.012885
0.007277	0.007584	0.017527	0.002348		0.000388	0.014015	0.012527
13425.4405	11471.1096	3188.36137	372.304221		431.973956	8994.34036	16532.1124
34.756618	31.640016	10.836751	1.35191		1.127913	25.194679	47.094835
52.4	62.8	126.2	18.6		2.8	111	90.2
0.022812	0.033777	0.034593	0.028011	0.029583	0.028218	0.027329	0.025187
728.045599	872.543199	1753.4228	258.4284		38.9032	1542.234	1253.2388
18318.953	21954.7757	44119.3104	6502.52911		978.87535	39581.524	32164.4456
0.800793	0.800793	1.334656	0.800793		0.533862	0.544501	1.633503
1114.85623	1336.1254	2685.01633	395.731408		59.57247	2405.88504	1955.05253
7035.75	8000.325	6950.925	7698.15	7336.35	6996.825	7703.55	7018.65
21.986718	21.740013	21.72164	21.869744	21.834375	21.865078	21.885085	21.933281
7200	8280	7200	7920	7560	7200	7920	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
52.4	62.8	126.2	18.6		2.8	111	90.2
11.286168	11.405039	18.720559	11.280279		7.690522	7.599017	23.176674
11.286168	11.405039	18.720559	11.280279		7.690522	7.599017	23.176674
19531.5554	23426.3335	47041.8283	6959.07982		1076.67312	42172.7394	34286.0957
32419.2514	32562.2049	163936.286	7591.95888		1132.45106	64818.1112	57087.3221
12887.696	9135.87143	116894.458	632.879056		55.777937	22645.3717	22801.2264
32419.2514	32562.2049	163936.286	7591.95888		1132.45106	64818.1112	57087.3221
6.53	7.76	12.66	4.27		2.86	7.04	13.51
6106.11492	11955.2239	43853.4669	6586.7756		644.699163	33178.3991	17753.9833
9389.02483	16373.6711	157743.063	7213.34615		675.962289	51116.7608	27327.4762
0.497493	0.557804	0.957242	0.6		0.357267	0.373716	1.098776
16.339596	31.988881	117.697417	17.6		1.670367	87.313538	46.693568
380.639339	376.960926	378.109687	378.564465		381.865807	382.173175	385.020314
11.41918	7.539218	15.124387	3.785644		7.637316	7.643463	15.400812
52.4	62.8	126.2	18.6		2.8	111	90.2
0.16375	0.170652	0.394375	0.05284		0.00875	0.31534	0.281875
12887.696	9135.87143	116894.458	632.879056		55.777937	22645.3717	22801.2264
12887.696	9135.87143	116894.458	632.879056		55.777937	22645.3717	22801.2264
36.060403	30.811118	8.502582	1		1.129632	23.686461	43.506431
13425.4405	11471.1096	3188.36137	372.304221		431.973956	8994.34036	16532.1124
0.22	0.37	0.28	0.42		0.06	0.5	0.37
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-22276.721	-25509.543	-274637.52	-7846.2252		-731.74023	-73762.133	-50128.703
0.14	0.17	0.12	0.05		0.03	0.17	0.14
998.7909	1098.9375	1789.3855	251.5683		53.3192	1952.6215	1580.4936
0.02	0.04	0.05	0.03		0.03	0.02	0.03
22.8142	45.6284	57.0355	34.2213		34.2213	23.2704	34.9056
19531.5554	23426.3335	47041.8283	6959.07982		1076.67312	42172.7394	34286.0957
19531.5554	23426.3335	47041.8283	6959.07982		1076.67312	42172.7394	34286.0957
19433.8092	23290.9011	46804.3268	6898.26052		1038.44782	41987.409	34119.4981

52.4	62.8	126.2	18.6		2.8	111	90.2
22.8142	45.6284	57.0355	34.2213		34.2213	23.2704	34.9056
19531.5554	23426.3335	47041.8283	6959.07982		1076.67312	42172.7394	34286.0957
74.932	89.804	180.466	26.598		4.004	162.06	131.692
6.21654	5.086259	1.13028	3.86179	3.57922	2.54313	4.615309	5.6514
0.283007	0.230049	0.084572	0.181682	0.140829	0.155829	0.229772	0.259968
0.273093	0.224456	0.079531	0.176392	0.138214	0.152031	0.22588	0.253343
327002.165	301952.453	52178.42	104006.534	131763.933	233582.102	353590.45	328555.185
888.690871	878.771531	179.862612	371.861722	438.410535	654.819913	1018.84086	967.697511
5068.62	4790.8	1476.1	3601.22	2693.52	2821.7	4611.58	4702.06
0.032531	0.029347	0.037375	0.02946	0.026369	0.025875	0.024573	0.02825
47741.3318	45124.5452	13903.3859	33919.8912	25370.2649	26577.5923	43436.472	44288.7031
279395.604	265854.022	77883.2146	213216.241	187735.052	209501.101	330932.695	312955.436
3.798134	3.136393	0.675081	2.512025	2.688926	2.159608	3.329478	3.811158
47240.4158	43396.6147	7775.50237	14119.7899	15510.8175	26085.5404	40561.0208	40362.4148
17956.22	20717.6	17866.32	19814.54	18974.12	18079.76	19914.3	18035.68
56.113187	56.297826	55.83225	56.291306	56.470595	56.49925	56.574715	56.3615
18560	21344	18560	20416	19488	18560	20416	18560
58	58	58	58	58	58	58	58
5068.62	4790.8	1476.1	3601.22	2693.52	2821.7	4611.58	4702.06
42.485551	35.061982	7.566395	27.869933	29.262301	23.104	36.446353	42.057586
42.485551	35.061982	7.566395	27.869933	29.262301	23.104	36.446353	42.057586
330490.695	314045.1	92717.6054	249558.7	214864.213	237954	378227.472	361199.845
647044.088	617943.549	651150.935	441297.769	338050.957	400013.266	760826.538	659530.189
316553.393	303898.449	558433.33	191739.069	123186.744	162059.266	382599.066	298330.345
647044.088	617943.549	651150.935	441297.769	338050.957	400013.266	760826.538	659530.189
189.04	172.55	46.67	112.27	95.06	78.5	197.88	203.11
3488.53026	12092.6471	40539.1854	145552.166	83100.2797	4371.89761	24637.0222	32644.6594
5538.63913	22032.2748	248723.647	263309.285	128019.873	6824.85205	44538.1896	52381.5617
4.240484	6.06931	4.820629	16.80139	12.857552	2.892657	5.542317	11.775965
53.181435	183.451588	650.587485	2102.14473	1046.76159	52.240353	305.282004	416.847683
71.137427	70.391036	63.701399	69.275843	79.915262	95.034685	80.826154	81.772141
46.948243	38.007854	7.00625	28.352357	30.298341	25.659362	39.59636	45.785475
5068.62	4790.8	1476.1	3601.22	2693.52	2821.7	4611.58	4702.06
15.839437	13.018478	4.612812	10.230738	8.016428	8.817812	13.101079	14.693937
316553.393	303898.449	558433.33	191739.069	123186.744	162059.266	382599.066	298330.345
316553.393	303898.449	558433.33	191739.069	123186.744	162059.266	382599.066	298330.345
5015.43856	4607.34841	825.512514	1499.07527	1646.75841	2769.45965	4306.298	4285.21232
327002.165	301952.453	52178.42	104006.534	131763.933	233582.102	353590.45	328555.185
1.31	4.2	2.26	20.3	12.25	1.73	5.36	5.14
-316553.39	-303898.45	-558433.33	-191739.07	-123186.74	-162059.27	-382599.07	-298330.34
-322092.03	-325930.72	-807156.98	-455048.35	-251206.62	-168884.12	-427137.26	-350711.91
27.42	25.01	0.92	5.06	6.01	15.91	18.21	14.51
32311.4662	28459.4239	7157.1077	17036.6368	13779.6669	17376.8268	27530.3238	27265.3047
0.78	0.54	0.14	0.63	0.37	0.45	0.48	0.53
408.8916	283.0788	73.3908	330.2586	193.9614	235.899	256.6608	283.3963

330490.695	314045.1	92717.6054	249558.7	214864.213	237954	378227.472	361199.845
330490.695	314045.1	92717.6054	249558.7	214864.213	237954	378227.472	361199.845
279395.604	265854.022	77883.2146	213216.241	187735.052	209501.101	330932.695	312955.436
5068.62	4790.8	1476.1	3601.22	2693.52	2821.7	4611.58	4702.06
408.8916	283.0788	73.3908	330.2586	193.9614	235.899	256.6608	283.3963
330490.695	314045.1	92717.6054	249558.7	214864.213	237954	378227.472	361199.845
50686.2	47908	14761	36012.2	26935.2	28217	47038.116	47961.012
			0.09			0.07	1.14
10.95474	11.014422	11.466994	11.089793	11.078035	11.168152	10.980386	11.005368
0.691351	0.669543	0.452407	0.625248	0.640758	0.603757	0.706055	0.67529
0.665901	0.643268	0.435032	0.602376	0.621117	0.584489	0.683367	0.655296
941395.24	1050013.53	633814.738	918561.258	918091.654	834835.525	1081619.74	928278.274
2662.89429	3167.71129	2302.90986	3363.06736	3107.31599	2372.60844	3124.15231	2784.37687
23652.822	26276.244	15452.354	23536.07	23165.204	20761.05	26700.54	23276.128
0.037	0.039646	0.039812	0.035227	0.035	0.032687	0.032954	0.032
256243.884	285467.786	175206.164	257498.02	252669.654	227832.796	288809.987	252744.176
399269.378	446412.333	270931.57	401281.797	394109.248	353297.979	459878.413	402055.555
3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.5618	3.5618
496754.393	553407.849	339654.669	499185.662	489825.392	441676.659	569475.533	498360.967
34205.76	39228.51	34105.86	37695.6	35990.64	34358.94	37784.4	34383.36
106.893	106.599211	106.580812	107.089772	107.115	107.371687	107.342045	107.448
35520	40848	35520	39072	37296	35520	39072	35520
111	111	111	111	111	111	111	111
23652.822	26276.244	15452.354	23536.07	23165.204	20761.05	26700.54	23276.128
40.516666	40.811259	42.438205	40.950114	40.977786	41.324091	41.420351	41.560611
40.125362	40.328297	41.924687	40.59601	40.556083	40.880541	41.066407	41.155554
949420.929	1060578.69	647126.839	952730.914	935283.912	842011.114	1089169.12	953319.172
1714005.09	1752170.03	1325412.95	1401703.68	1342191.33	1289196.99	2230317.54	1839667.55
764584.156	691591.342	678286.109	448972.764	406907.419	447185.878	1141148.41	886348.38
1714005.09	1752170.03	1325412.95	1401703.68	1342191.33	1289196.99	2230317.54	1839667.55
308.16	353.41	307.26	339.6	324.24	309.54	340.4	309.76
41.948924	257.044036	6440.02082	27095.4555	10320.1779	0.328664	24.547894	17722.2177
62.560274	362.213758	52086.8479	60315.6056	19526.1996	1.127602	50.020637	27552.8594
0.51474	2.417058	3.059907	11.021139	7.826178	0.008208	0.272613	7.320153
1.086312	6.459961	166.502986	695.843162	264.600358	0.008208	0.620002	460.120165
34.440463	34.246678	11.517004	28.682711	33.113902	34.572242	43.479938	42.798384
34.440345	34.245975	11.515917	28.672726	33.1096	34.572242	40.871142	42.7891
23652.822	26276.244	15452.354	23536.07	23165.204	20761.05	26700.54	23276.128
73.915068	71.402836	48.288606	66.863835	68.944059	64.878281	75.853806	72.7379
630645.478	542377.331	586705.848	314378.549	274836.991	328097.675	990187.433	754238.999
630645.478	542377.331	586705.848	314378.549	274836.991	328097.675	990187.433	754238.999
23651.7357	26269.784	15285.851	22840.2268	22900.6036	20761.0418	26699.92	22816.0078
941395.24	1050013.53	633814.738	918561.258	918091.654	834835.525	1081619.74	928278.274
0.03	0.11	0.95	7.73	6.11		0.04	2.89
-764584.16	-691591.34	-678286.11	-448972.76	-406907.42	-447185.88	-1141148.4	-886348.38
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215.37	263.73	270.58	249.35	256.01	254.03	254.33	226.77
105364.629	113800.779	82727.6643	90372.3108	93251.4729	105875.771	114947.582	100650.007
0.79	1.02	0.68	0.7	0.68	0.71	0.73	0.71
7983.74	10308.12	6872.08	7074.2	6872.08	7175.26	7524.84	7318.68
1083359.61	1209792.7	738707.101	1087325.13	1067354.34	961099.316	1240130.1	1085428.55
1083359.61	1209792.7	738707.101	1087325.13	1067354.34	961099.316	1240130.1	1085428.55
896023.771	999820.182	610586.239	900467.459	883934.64	794974.638	1029353.95	900416.523
23652.822	26276.244	15452.354	23536.07	23165.204	20761.05	26700.54	23276.128
7983.74	10308.12	6872.08	7074.2	6872.08	7175.26	7524.84	7318.68
1083359.61	1209792.7	738707.101	1087325.13	1067354.34	961099.316	1240130.1	1085428.55
45413.4182	50450.3885	29668.5197	45189.2544	44477.1917	39861.216	52290.3375	45583.9691
0.04	0.45	1.63	13.04	7.33		0.05	3.87
0.6	0.6	0.75	0.3		0.3	0.3	0.75
0.007291	0.007663	0.019468	0.001363		0.000258	0.013892	0.013062
0.00675	0.007663	0.019468	0.001363		0.00025	0.013892	0.013062
1513.5487	1526.02693	238.805958			47.685627	773.742086	1984.75391
3.919912	4.158865	0.822773			0.124781	2.16364	5.71219
6.48	8.46	18.69	1.44		0.24	14.67	12.54
0.029875	0.030461	0.026937	0.028295	0.025565	0.030593	0.033352	0.030406
97.2	126.9	280.35	21.6		3.6	220.05	188.1
2445.72899	3193.03507	7054.11648	543.495331		90.582555	5647.59586	4827.59728
1.067724	1.067724	1.334656	0.533862		0.533862	0.543927	1.359817
148.84236	194.321969	429.299955	33.07608		5.51268	336.962565	288.03753
931.32	1070.37	934.14	1026.12	982.23	930.63	1020.78	930.81
2.910375	2.908614	2.919187	2.915113	2.923303	2.908218	2.899943	2.908781
960	1104	960	1056	1008	960	1056	960
3	3	3	3	3	3	3	3
6.48	8.46	18.69	1.44		0.24	14.67	12.54
16.015872	16.015872	20.01984	8.007936		8.007936	8.158907	20.397267
16.015872	16.015872	20.01984	8.007936		8.007936	8.158907	20.397267
2594.57135	3387.35704	7483.41644	576.571411		96.095235	5984.55842	5115.63481
4173.52489	4604.21838	24880.1402	618.413483		103.735013	8940.751	8297.31503
1578.95354	1216.86134	17396.7237	41.842072		7.639778	2956.19258	3181.68023
4173.52489	4604.21838	24880.1402	618.413483		103.735013	8940.751	8297.31503
2.16	2.82	6.23	0.48		0.08	4.89	4.18
1081.02265	1861.33011	7244.61048	576.571411		48.409607	5210.81634	3130.88089
1692.45532	2501.06189	24379.2503	618.413483		51.817825	7795.6063	4851.54277
0.088116	0.088343	0.149897	0.06		0.052726	0.059384	0.148583
2.699878	4.648713	18.093576	1.44		0.120904	12.773319	7.674755
400.396813	400.396813	400.396813			400.396813	407.945359	407.945359
8.007936	8.007936	4.003968			4.003968	8.158907	8.158907
6.48	8.46	18.69	1.44		0.24	14.67	12.54
0.02025	0.022989	0.058406	0.00409		0.00075	0.041676	0.039187
1578.95354	1216.86134	17396.7237	41.842072		7.639778	2956.19258	3181.68023
1578.95354	1216.86134	17396.7237	41.842072		7.639778	2956.19258	3181.68023

3.780121	3.811286	0.596423			0.119095	1.89668	4.865244
1513.5487	1526.02693	238.805958			47.685627	773.742086	1984.75391
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-1578.9535	-1216.8613	-17396.724	-41.842072		-7.639778	-2956.1926	-3181.6802
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823.1899	993.7048	1764.193	128.2996		30.3351	1722.2419	1460.6649
0.42	0.5	0.62	0.13		0.06	0.42	0.77
2594.57135	3387.35704	7483.41644	576.571411		96.095235	5984.55842	5115.63481
2594.57135	3387.35704	7483.41644	576.571411		96.095235	5984.55842	5115.63481
2594.57135	3387.35704	7483.41644	576.571411		96.095235	5984.55842	5115.63481
6.48	8.46	18.69	1.44		0.24	14.67	12.54
2594.57135	3387.35704	7483.41644	576.571411		96.095235	5984.55842	5115.63481
11.51823	11.554216	12.492621	11.734994	11.660113	11.847895	11.545323	11.591683
0.747658	0.745542	0.450313	0.676402	0.709661	0.644909	0.745913	0.724585
0.711379	0.713628	0.40764	0.646878	0.67601	0.558293	0.705991	0.690162
307069.311	354947.056	189034.09	311197.8	308512.703	244631.033	341533.384	304646.711
873.443836	1073.87518	689.212908	1142.917	1045.48836	692.450219	986.783437	915.128967
9788.58	11292.45	5609.13	9791.15	9767	7682.12	10685.88	9496.63
0.048343	0.043668	0.049	0.044943	0.047529	0.042156	0.051392	0.048437
111017.642	128168.411	68752.4723	112568.781	111557.761	88658.737	121204.128	108098.037
172769.688	199910.326	106429.334	175189.488	173646.195	137548.102	192698.51	171948.582
2.6495	2.6495	2.649499	2.649499	2.6495	2.6495	2.706	2.706
122063.898	140921.168	75593.3433	123769.375	122657.759	97480.2814	135263.806	120637.409
13094.79	15132.99	12447.21	14455.74	13761.29	11866.71	14358.13	13093.5
40.921218	41.122255	38.897531	41.067443	40.95622	37.083468	40.790142	40.917187
13760	15824	13760	15136	14448	13760	15136	13760
43	43	43	43	43	43	43	43
9788.58	11292.45	5609.13	9791.15	9767	7682.12	10685.88	9496.63
32.425832	32.424818	35.343901	33.045564	32.822108	33.327729	33.131015	33.28916
31.750005	31.839398	34.349892	32.326205	32.129704	32.637578	32.505535	32.63398
312767.031	360444.856	193682.23	316895.52	313960.523	248579.453	347497.997	309744.671
664335.699	708762.976	478009.794	550552.741	526309.468	456948.792	826279.391	699453.289
351568.668	348318.12	284327.564	233657.22	212348.945	208369.338	478781.394	389708.619
664335.699	708762.976	478009.794	550552.741	526309.468	456948.792	826279.391	699453.289
304.53	351.68	289.47	336.18	319.72	275.97	333.91	304.5
39.941264	34.313768	8.555146	27.92575	32.351062	27.508108	48.866374	41.559498
9.985316	8.578442	1.625477	6.422922	5.823191	4.401297	8.307283	8.311899
9788.58	11292.45	5609.13	9791.15	9767	7682.12	10685.88	9496.63
30.589312	30.686005	17.528531	27.815767	29.068452	24.006625	30.357613	29.676968
293539.747	281324.491	248390.647	174817.519	154037.703	162027.416	415427.997	333205.775
293539.747	281324.491	248390.647	174817.519	154037.703	162027.416	415427.997	333205.775

9788.58	11292.45	5609.13	9791.15	9767	7682.12	10685.88	9496.63
307069.311	354947.056	189034.09	311197.8	308512.703	244631.033	341533.384	304646.711
-351568.67	-348318.12	-284327.56	-233657.22	-212348.94	-208369.34	-478781.39	-389708.62
-351568.67	-348318.12	-284327.56	-233657.22	-212348.94	-208369.34	-478781.39	-389708.62
1.79	2.59	1.97	2.47	2.11	1.66	2.3	1.8
		0.049999			0.099999		
102823.095	112640.049	75742.6394	88416.1344	90977.1163	92137.8539	110593.245	97122.0221
1.14	1.1	0.93	1.14	1.09	0.79	1.17	1
5697.72	5497.8	4648.14	5697.72	5447.82	3948.42	5964.6132	5097.96
370795.953	427438.484	229619.147	375735.222	372271.765	294921.375	410851.394	366247.514
370795.953	427438.484	229619.147	375735.222	372271.765	294921.375	410851.394	366247.514
294833.586	340831.494	182022.678	298958.863	296303.953	235028.383	327962.316	292585.991
9788.58	11292.45	5609.13	9791.15	9767	7682.12	10685.88	9496.63
5697.72	5497.8	4648.14	5697.72	5447.82	3948.42	5964.6132	5097.96
370795.953	427438.484	229619.147	375735.222	372271.765	294921.375	410851.394	366247.514
12235.725	14115.5625	7011.4125	12238.9375	12208.75	9602.65	13571.0676	12060.7201
0.6	0.6	0.75	0.3		0.3	0.3	0.75
0.007253	0.007663	0.019468	0.001363		0.000335	0.013633	0.013218
0.00725	0.007663	0.019468	0.001363		0.000312	0.012982	0.012843
1583.30526	1439.70369	222.223175			60.059521	535.519065	1862.31364
4.082869	3.918563	0.762482			0.15564	1.488373	5.365046
6.96	8.46	18.69	1.44		0.3	13.71	12.33
0.036968	0.019429	0.030562	0.024346	0.030119	0.026875	0.027244	0.036218
104.4	126.9	280.35	21.6		4.5	205.65	184.95
2626.8941	3193.03507	7054.11648	543.495331		113.228193	5278.01903	4746.75235
1.067724	1.067724	1.334656	0.533862		0.533862	0.543927	1.359817
159.86772	194.321969	429.299955	33.07608		6.89085	314.911845	283.213935
924.51	1082.55	930.66	1030.29	977.64	934.2	1027.23	925.23
2.889093	2.941711	2.908312	2.92696	2.909642	2.919375	2.918267	2.891343
960	1104	960	1056	1008	960	1056	960
3	3	3	3	3	3	3	3
6.96	8.46	18.69	1.44		0.3	13.71	12.33
16.015872	16.015872	20.01984	8.007936		8.007936	8.158907	20.397267
16.015872	16.015872	20.01984	8.007936		8.007936	8.158907	20.397267
2786.76182	3387.35704	7483.41644	576.571411		120.119043	5592.93088	5029.96628
4520.44095	4604.21838	24880.1402	618.413483		128.959539	8476.90282	8198.02831
1733.67913	1216.86134	17396.7237	41.842072		8.840495	2883.97194	3168.06203
4520.44095	4604.21838	24880.1402	618.413483		128.959539	8476.90282	8198.02831
2.32	2.82	6.23	0.48		0.1	4.57	4.11
1203.45656	1947.65335	7261.19326	576.571411		60.059521	5057.41181	3167.65265
1864.89795	2603.66405	24417.1814	618.413483		63.953512	7675.46717	4956.10806
0.086378	0.089122	0.149942	0.06		0.06	0.059608	0.149349
3.005659	4.864307	18.134992	1.44		0.15	12.397277	7.764894
463.151291	459.167453	400.396813				507.448745	408.00677
9.263025	9.183349	4.003968				10.148974	8.160135

6.96	8.46	18.69	1.44	0.3	13.71	12.33	
0.02175	0.022989	0.058406	0.00409	0.000937	0.038948	0.038531	
1733.67913	1216.86134	17396.7237	41.842072	8.840495	2883.97194	3168.06203	
1733.67913	1216.86134	17396.7237	41.842072	8.840495	2883.97194	3168.06203	
3.95434	3.595692	0.555007		0.15	1.312722	4.565105	
1583.30526	1439.70369	222.223175		60.059521	535.519065	1862.31364	
0.22	0.04	0.16			0.33		
-1733.6791	-1216.8613	-17396.724	-41.842072	-8.840495	-2883.9719	-3168.062	
-3598.5771	-3820.5254	-41813.905	-660.25556	-72.794008	-10559.439	-8124.1701	
0.06	0.06				0.18	0.01	
886.4832	993.7048	1764.193	128.2996	38.1248	1606.7464	1436.36	
0.44	0.5	0.62	0.13	0.08	0.38	0.75	
2786.76182	3387.35704	7483.41644	576.571411	120.119043	5592.93088	5029.96628	
2786.76182	3387.35704	7483.41644	576.571411	120.119043	5592.93088	5029.96628	
2786.76182	3387.35704	7483.41644	576.571411	120.119043	5592.93088	5029.96628	
6.96	8.46	18.69	1.44	0.3	13.71	12.33	
2786.76182	3387.35704	7483.41644	576.571411	120.119043	5592.93088	5029.96628	

8.421499	5.705596	1.587927	3.988078	2.849344	3.425656	4.855996	7.716524
0.178499	0.137932	0.071464	0.0998	0.079184	0.09173	0.150402	0.183234
0.173418	0.133255	0.067237	0.097863	0.07697	0.087981	0.143102	0.175693
205686.442	148684.553	17033.212	18685.7244	27243.1477	112847.627	152372.078	144325.164
548.338296	420.323326	56.304718	66.805501	89.547059	311.391305	433.539465	418.68834
2774.7	2451.9	1075.8	1722.4	1293.1	1407.7	2518.6	2811.1
0.025156	0.033668	0.035921	0.025767	0.029687	0.032687	0.028082	0.030484
40026.3	35319.9	15677.4	24785.6	18611.9	20317.7	36369.8	40580.3
235512.247	208795.63	87803.6714	155654.605	136513.842	158901.738	271137.337	263769.574
3.387129	2.340941	0.614548	1.714423	1.469937	1.90926	2.235229	3.041015
34803.2006	25140.2938	2966.93289	2992.97471	3643.2324	14458.8418	20014.5075	24554.4886
15610.4	17769.4	15302.7	17165.4	16296.3	15432.9	17025.8	15528.6
48.7825	48.286413	47.820937	48.76534	48.500892	48.227812	48.36875	48.526875
16000	18400	16000	17600	16800	16000	17600	16000
50	50	50	50	50	50	50	50
2774.7	2451.9	1075.8	1722.4	1293.1	1407.7	2518.6	2811.1
91.586757	63.996581	17.348045	46.125527	38.61293	48.812516	62.139786	88.137791
48.685288	33.472546	8.915069	24.585496	21.033096	27.456755	32.306436	43.779961
236620.42	209392.275	88181.4144	156260.861	136902.275	159388.653	272189.643	264621.442
439112.984	398474.193	524962.77	275599.011	194123.14	237815.244	504517.144	427686.727
202492.565	189081.918	436781.356	119338.151	57220.8649	78426.5912	232327.501	163065.285
439112.984	398474.193	524962.77	275599.011	194123.14	237815.244	504517.144	427686.727
281.34	236.47	79.2	127.13	97.72	113.89	240.01	297.22
30933.9772	60707.7218	71148.2024	137575.136	109659.127	46541.0254	119817.564	120296.277
51015.8216	109448.817	411735.375	245357.755	154106.988	65765.5985	214300.223	178398.646
5.557912	5.347182	2.464866	6.121945	4.305073	3.130991	5.28442	8.652532
346.660086	689.272873	869.474216	1510.85647	1035.1496	394.321261	1111.56893	1090.92823
101.719185	103.18464	113.659025	96.554649	119.087052	131.83739	111.486864	103.492159
59.939817	41.264143	12.502492	26.967596	23.752508	31.631944	35.478178	50.5479

2774.7	2451.9	1075.8	1722.4	1293.1	1407.7	2518.6	2811.1
8.670937	6.662771	3.361875	4.893181	3.848511	4.399062	7.155113	8.784687
202492.565	189081.918	436781.356	119338.151	57220.8649	78426.5912	232327.501	163065.285
202492.565	189081.918	436781.356	119338.151	57220.8649	78426.5912	232327.501	163065.285
2428.03991	1762.62713	206.325783	211.543528	257.950396	1013.37874	1407.03107	1720.17177
205686.442	148684.553	17033.212	18685.7244	27243.1477	112847.627	152372.078	144325.164
14.83	21.19	12.86	26.29	19.49	13.72	27.56	26.74
-202492.56	-189081.92	-436781.36	-119338.15	-57220.865	-78426.591	-232327.5	-163065.29
-253508.39	-298530.74	-848516.73	-364695.91	-211327.85	-144192.19	-446627.72	-341463.93
29.55	16.73	1.95	1.44	1.35	10.2	10.81	7.36
36836.6997	29862.3166	11895.3881	16421.3023	13423.4499	18103.1819	31458.1904	33964.0963
0.64	0.16	0.11	0.38	0.2	0.26	0.62	0.3
545.468	123.172	84.021	285.936	146.048	196.196	512.398	255.75
236620.42	209392.275	88181.4144	156260.861	136902.275	159388.653	272189.643	264621.442
236620.42	209392.275	88181.4144	156260.861	136902.275	159388.653	272189.643	264621.442
235512.247	208795.63	87803.6714	155654.605	136513.842	158901.738	271137.337	263769.574
2774.7	2451.9	1075.8	1722.4	1293.1	1407.7	2518.6	2811.1
545.468	123.172	84.021	285.936	146.048	196.196	512.398	255.75
236620.42	209392.275	88181.4144	156260.861	136902.275	159388.653	272189.643	264621.442
562.705	473.473	293.722	320.32	242.385	290.719	539.908	596.117999
							2.18

0.6	0.6	0.75	0.3		0.3	0.3	0.75
0.007256	0.007792	0.019486	0.001363		0.000312	0.013835	0.013062
0.006375	0.007391	0.018968	0.001363		0.000312	0.012414	0.013031
1864.99734	1679.63253	273.369771			80.079362	508.243343	2364.1448
4.771336	4.557924	0.932498			0.20752	1.396901	6.795072
8.16	10.88	24.28	1.92		0.4	17.48	16.68
0.035406	0.034021	0.028312	0.02321	0.034107	0.033281	0.027926	0.024937
122.4	163.2	364.2	28.8		6	262.2	250.2
3079.80688	4106.40917	9163.93516	724.660441		150.970925	6729.37802	6421.39734
1.067724	1.067724	1.334656	0.533862		0.533862	0.544539	1.361347
187.43112	249.90816	557.69946	44.10144		9.1878	409.53018	390.78738
1234.68	1421.92	1243.76	1375.32	1298.16	1237.4	1368.68	1248.08
3.858375	3.863913	3.88675	3.907159	3.863571	3.866875	3.888295	3.90025
1280	1472	1280	1408	1344	1280	1408	1280
4	4	4	4	4	4	4	4
8.16	10.88	24.28	1.92		0.4	17.48	16.68
16.015872	16.015872	20.01984	8.007936		8.007936	8.168087	20.420217
16.015872	16.015872	20.01984	8.007936		8.007936	8.168087	20.420217
3267.238	4356.31733	9721.63462	768.761881		160.158725	7138.9082	6812.18472
5261.50951	5930.75818	32312.4057	824.551311		171.946053	10664.2388	11046.7549
1994.27151	1574.44085	22590.7711	55.78943		11.787327	3525.33061	4234.57015
5261.50951	5930.75818	32312.4057	824.551311		171.946053	10664.2388	11046.7549
2.04	2.72	6.07	0.48		0.1	4.37	4.17
1402.24066	2676.6848	9448.26485	768.761881		80.079362	6630.66486	4448.03992
2084.72972	3583.29386	31735.092	824.551311		85.271349	9986.7035	6913.10465

0.123894	0.116369	0.199836	0.08	0.08	0.078863	0.1967	
3.502127	6.68508	23.597252	1.92	0.2	16.235538	10.891264	
507.841117	501.171992	609.824419		436.630943	543.567813	497.181873	
20.313644	15.035159	18.294732		8.732618	10.871356	24.859093	
8.16	10.88	24.28	1.92	0.4	17.48	16.68	
0.0255	0.029565	0.075875	0.005454	0.00125	0.049659	0.052125	
1994.27151	1574.44085	22590.7711	55.78943	11.787327	3525.33061	4234.57015	
1994.27151	1574.44085	22590.7711	55.78943	11.787327	3525.33061	4234.57015	
4.657872	4.194919	0.682747		0.2	1.244461	5.788735	
1864.99734	1679.63253	273.369771		80.079362	508.243343	2364.1448	
0.94	1.71	5.89	0.46	0.04	4.09	1.7	
-1994.2715	-1574.4409	-22590.771	-55.78943	-11.787327	-3525.3306	-4234.5702	
-4079.0012	-5157.7347	-54325.863	-880.34074	-97.058677	-13512.034	-11147.675	
1.09	0.98	0.15		0.04	0.27	0.71	
784.8058	959.5481	1719.869	128.2996	38.1248	1536.8856	1457.396	
0.41	0.48	0.61	0.13	0.08	0.39	0.78	
3267.238	4356.31733	9721.63462	768.761881	160.158725	7138.9082	6812.18472	
3267.238	4356.31733	9721.63462	768.761881	160.158725	7138.9082	6812.18472	
3267.238	4356.31733	9721.63462	768.761881	160.158725	7138.9082	6812.18472	
8.16	10.88	24.28	1.92	0.4	17.48	16.68	
3267.238	4356.31733	9721.63462	768.761881	160.158725	7138.9082	6812.18472	

10.420579	10.486412	11.121322	10.581814	10.565313	10.690361	10.45083	10.483301
0.578256	0.553933	0.285198	0.495443	0.513985	0.476751	0.595234	0.568298
0.544698	0.520822	0.271178	0.467215	0.48619	0.453596	0.564616	0.540361
372791.524	411776.795	195522.939	354987.93	352023.408	312986.667	431745.002	377136.228
1051.68762	1235.83263	711.198387	1301.17714	1192.84689	888.885979	1247.75598	1131.08646
10214.18	11231.424	5085.134	9637.348	9572.89	8505.838	11646.464	10132.86
0.061312	0.059429	0.054281	0.058465	0.058095	0.052562	0.050738	0.053218
104283.915	114951.271	54913.4274	99267.5576	98347.9421	87845.5172	118618.729	103633.541
162775.673	180295.763	85122.2834	155132.954	154000.253	136138.757	188752.208	164904.81
3.5012	3.5012	3.501199	3.5012	3.5012	3.5012	3.5747	3.5747
203478.776	224292.921	107147.08	193690.858	191896.505	171404.173	235422.592	205681.489
17602.268	20283.218	17734.118	19421.212	18545.728	17766.348	19580.604	17754.042
55.007087	55.11744	55.419118	55.173897	55.195619	55.519837	55.626715	55.481381
18752	21564.8	18752	20627.2	19689.6	18752	20627.2	18752
58.6	58.599999	58.6	58.6	58.6	58.6	58.6	58.6
10214.18	11231.424	5085.134	9637.348	9572.89	8505.838	11646.464	10132.86
41.772331	41.727518	47.791773	42.113985	42.601403	43.409961	42.33175	42.365925
37.11081	37.335183	39.578675	37.67517	37.619289	38.06813	38.004666	38.121476
401817.15	443296.811	224549.474	385151.154	381956.084	341558.767	463895.035	403771.606
783130.368	807442.341	623957.062	640591.139	589367.115	595925.465	1022548.09	859516.399
381313.218	364145.53	399407.587	255439.985	207411.031	254366.698	558653.055	455744.793
783130.368	807442.341	623957.062	640591.139	589367.115	595925.465	1022548.09	859516.399
300.38	346.13	302.63	331.42	316.48	303.18	334.14	302.97
		0.909697	3.784339				36.429369
		1.073513	3.460605				46.206296

		0.022404	0.095362				0.408176
		0.022404	0.095362				1.000883
35.865442	34.722019	9.573506	32.729931	33.767229	32.214313	41.402874	46.977377
28.692354	29.513716	6.701454	26.460538	28.702144	23.516449	30.224098	37.110026
10214.18	11231.424	5085.134	9637.348	9572.89	8505.838	11646.464	10132.86
31.919312	30.520173	15.891043	27.378829	28.490744	26.580743	33.086545	31.665187
326804.016	304060.501	370704.339	203552.833	156004.562	208449.847	496651.046	401575.541
326804.016	304060.501	370704.339	203552.833	156004.562	208449.847	496651.046	401575.541
10214.18	11231.424	5085.1116	9637.25264	9572.89	8505.838	11646.464	10131.8591
372791.524	411776.795	195522.939	354987.93	352023.408	312986.667	431745.002	377136.228
-381313.22	-364145.53	-399407.59	-255439.99	-207411.03	-254366.7	-558653.06	-455744.79
-381313.22	-364145.53	-399408.66	-255443.45	-207411.03	-254366.7	-558653.06	-455791
12.66	17.03	17.88	15.39	17.25	14.3	15.05	13.06
94647.07	103421.065	75964.4299	81873.3421	83352.1421	96126.888	103983.165	91771.2118
1.28	1.39	1.28	1.33	1.32	1.26	1.39	1.15
29025.6256	31520.0153	29025.6256	30159.4391	29932.6764	28572.1002	32150.0328	26598.948
456326.352	503381.84	253252.723	437038.306	433362.553	387475.619	525897.044	457940.858
456326.352	503381.84	253252.723	437038.306	433362.553	387475.619	525897.044	457940.858
366254.449	404588.684	192269.363	348823.812	345896.758	307542.93	424174.8	370586.299
10214.18	11231.424	5085.134	9637.348	9572.89	8505.838	11646.464	10132.86
29025.6256	31520.0153	29025.6256	30159.4391	29932.6764	28572.1002	32150.0328	26598.948
456326.352	503381.84	253252.723	437038.306	433362.553	387475.619	525897.044	457940.858
6537.0752	7188.11136	3254.48576	6167.90272	6126.6496	5443.73632	7570.2016	6586.359
		0.01	0.02				0.02
7.65	5.4	1.65	3.6	2.85	2.85	4.05	7.35
0.168714	0.129269	0.070458	0.091676	0.075191	0.087345	0.142964	0.172081
0.164812	0.123532	0.068343	0.088267	0.072738	0.086906	0.136732	0.163406
50474.938	30612.2965	4234.41668	2527.47211	4019.43096	24170.6762	29085.1756	26053.0286
133.264727	85.550048	13.915429	9.092997	13.029292	66.150755	82.265872	75.583148
738.36	636.44	306.18	434.98	342.16	389.34	673.82	732.06
0.02825	0.037119	0.030937	0.034289	0.03491	0.022687	0.018607	0.02875
11075.4	9546.6	4592.7	6524.7	5132.4	5840.1	10107.3	10980.9
65288.6429	56415.2215	25781.09	41094.674	37498.2906	45581.0611	75411.1273	71531.4415
2.955257	2.09888	0.614553	1.488407	1.384094	1.491949	1.837147	2.793413
8518.94462	5163.09011	731.617953	395.298244	532.288611	3126.00306	3758.98971	4975.87666
4353.44	4960.76	4341.4	4759.02	4539.78	4378.36	4836.3	4351.2
13.6045	13.480326	13.566875	13.519943	13.51125	13.682375	13.739488	13.5975
4480	5152	4480	4928	4704	4480	4928	4480
14	14	14	14	14	14	14	14
738.36	636.44	306.18	434.98	342.16	389.34	673.82	732.06
44.896554	31.593706	9.395319	22.605133	21.078521	22.653797	27.86037	42.25261
44.896554	31.593706	9.395319	22.605133	21.078521	22.653797	27.86037	42.25261
65572.1429	56551.7215	25854.59	41262.674	37613.7906	45675.5611	75726.1273	71709.9415
120938.422	109756.896	149083.817	72411.0272	52356.6037	67217.1303	139025.628	111834.284

55366.2793	53205.1749	123229.227	31148.3532	14742.813	21541.5691	63299.5007	40124.3429
120938.422	109756.896	149083.817	72411.0272	52356.6037	67217.1303	139025.628	111834.284
142.27	114.61	61.18	70.34	53.81	66.54	128.1	150.35
15097.2048	25939.425	21620.1734	38735.2019	33594.3597	21504.885	46640.9516	45656.9129
25194.5749	47422.9005	127387.762	68259.349	46626.5531	30551.4698	83853.2107	68436.0533
4.57217	4.090776	1.510295	3.322458	2.603216	2.340916	3.475038	5.968324
170.430358	292.233992	257.405469	408.626783	306.674092	180.939796	423.220685	400.334889
94.466978	93.11184	86.584846	95.033152	117.821418	123.949493	112.939636	97.853882
48.139106	33.490871	8.658484	17.105967	18.799064	23.535929	29.307894	43.785403
738.36	636.44	306.18	434.98	342.16	389.34	673.82	732.06
2.307375	1.729456	0.956812	1.235738	1.018333	1.216687	1.914261	2.287687
55366.2793	53205.1749	123229.227	31148.3532	14742.813	21541.5691	63299.5007	40124.3429
55366.2793	53205.1749	123229.227	31148.3532	14742.813	21541.5691	63299.5007	40124.3429
567.929641	344.206007	48.77453	26.353216	35.485907	208.400203	250.599314	331.72511
50474.938	30612.2965	4234.41668	2527.47211	4019.43096	24170.6762	29085.1756	26053.0286
4.23	7.56	1.71	9.04	7.35	4.25	8.83	7.25
-55366.279	-53205.175	-123229.23	-31148.353	-14742.813	-21541.569	-63299.501	-40124.343
-80560.854	-100628.08	-250616.99	-99407.702	-61369.366	-52093.039	-147152.71	-108560.4
9.71	5.94	0.28	0.51	0.6	3.32	3.84	2.48
19627.9251	15717.2682	6161.84	8526.0233	7284.1039	9978.3744	16680.3312	17600.2483
0.27	0.13	0.07	0.16	0.11	0.09	0.3	0.17
283.5	136.5	73.5	168	115.5	94.5	315	178.5
65572.1429	56551.7215	25854.59	41262.674	37613.7906	45675.5611	75726.1273	71709.9415
65572.1429	56551.7215	25854.59	41262.674	37613.7906	45675.5611	75726.1273	71709.9415
65288.6429	56415.2215	25781.09	41094.674	37498.2906	45581.0611	75411.1273	71531.4415
738.36	636.44	306.18	434.98	342.16	389.34	673.82	732.06
283.5	136.5	73.5	168	115.5	94.5	315	178.5
65572.1429	56551.7215	25854.59	41262.674	37613.7906	45675.5611	75726.1273	71709.9415
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11.061489	11.093251	11.675057	11.169291	11.136432	11.250869	11.06467	11.124885
0.463482	0.43775	0.261022	0.391701	0.393741	0.371437	0.457634	0.452365
0.445308	0.420228	0.248506	0.377239	0.379696	0.353884	0.441062	0.436551
2222806.91	2314103.15	1095740.58	1710339.02	1741654.28	1763673.43	2400757.67	2131737.92
6205.85037	6906.33938	3966.75842	6256.27363	5886.63813	4987.92247	6923.58153	6357.52845
52311.262	56769.858	29192.558	48746.568	46833.874	41571.488	56993.744	51282.588
0.034801	0.035839	0.036696	0.032525	0.034604	0.032755	0.031844	0.033488
571440.519	619868.056	335723.872	534894.979	511689.922	457125.446	620776.55	562202.146
1341482.62	1390130.55	721342.643	1149883.94	1083502.88	1042302.39	1576046.81	1435325.59
3.616069	3.534842	3.42197	3.498418	3.485907	3.565279	3.737623	3.732725
823908.064	920596.615	526496.408	817151.88	804379.655	710642.277	943629.221	827596.956
90562.561	73699.9986	11474.0532	17508.0629	19686.3385	43670.3853	64334.518	69892.7801
112949.138	129667.643	111857.093	124441.392	118702.238	111982.073	124619.774	113269.152
352.966056	352.357725	349.553415	353.526681	353.28047	349.943978	354.033448	353.9661
117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
52311.262	56769.858	29192.558	48746.568	46833.874	41571.488	56993.744	51282.588

353.017479	305.068524	238.663721	248.014346	205.355052	244.346426	275.414546	374.055113
41.964603	41.038231	41.556222	40.833796	40.471155	41.762448	43.205601	43.416954
2324868.49	2478866.82	1343842.45	2110740.81	2020580.8	1876620.59	2687594.53	2415610.56
4414941.37	4442251.39	3998586.3	3391808.7	3042398.61	3048653.98	5576414.33	4682317.86
2090072.88	1963384.57	2654743.85	1281067.89	1021817.82	1172033.39	2888819.8	2266707.3
4414941.37	4442251.39	3998586.3	3391808.7	3042398.61	3048653.98	5576414.33	4682317.86
1538.77	1590.97	1117.6	1322.65	1207.03	1150.76	1595.31	1593.88
59354.496	117437.73	207556.027	357470.425	236673.944	73251.3843	241197.378	244857.054
96842.7038	204327.897	1078209.29	646520.179	348279.614	104020.053	419316.182	370863.559
1.930827	2.193013	1.436353	4.02584	4.556727	1.095796	1.857307	4.033735
596.905454	1219.6054	2121.5158	4739.96652	2653.18565	629.650891	1969.41129	2442.25633
58.038681	50.776917	20.083303	39.74113	42.783734	44.518496	56.736403	58.496147
58.010054	50.767676	20.082675	39.686859	42.732958	44.513599	56.660737	58.375658
52311.262	56769.858	29192.558	48746.568	46833.874	41571.488	56993.744	51282.588
163.472693	154.265918	91.226743	138.484568	139.386529	129.9109	161.914045	160.258087
1843596.08	1687091.9	2498523.42	1035746.83	780029.678	960686.41	2612503.41	2023925.83
1843596.08	1687091.9	2498523.42	1035746.83	780029.678	960686.41	2612503.41	2023925.83
51714.3565	55550.2526	27071.0422	44006.6015	44180.6884	40941.8371	55024.3327	48840.3317
2222806.91	2314103.15	1095740.58	1710339.02	1741654.28	1763673.43	2400757.67	2131737.92
21.78	35.18	24.11	64.24	45.2	19.8	46.72	44.09
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-2186915.6	-2167712.5	-3732953.1	-1927588.1	-1370097.4	-1276053.4	-3308136	-2637570.9
297.79	332.24	293.85	274.27	283.33	299.49	305.16	266.84
		0.004545			0.00909		
395104.155	407946.798	266686.71	303282.217	302067.952	339758.8	412011.333	374307.804
6.19	5.86	5.11	4.76	3.77	3.81	5.9	6.19
43967.7594	47914.3145	40833.7929	43749.775	42708.0858	40256.5965	46746.8152	39768.1399
2571345.3	2755159.49	1500062.88	2356061.88	2262368.94	2087967.57	2963910.92	2658392.03
2571345.3	2755159.49	1500062.88	2356061.88	2262368.94	2087967.57	2963910.92	2658392.03
2165390.68	2310727.17	1247839.05	1967035.82	1887882.54	1752944.67	2519676.03	2262922.55
52311.262	56769.858	29192.558	48746.568	46833.874	41571.488	56993.744	51282.588
43967.7594	47914.3145	40833.7929	43749.775	42708.0858	40256.5965	46746.8152	39768.1399
2571345.3	2755159.49	1500062.88	2356061.88	2262368.94	2087967.57	2963910.92	2658392.03
115510.055	120225.339	55169.6059	99955.2126	89990.1763	83419.3253	121171.691	112919.87
0.04	0.45	1.64	13.15	7.33		0.12	8.87

6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
1646820.05	1508665.23	379958.98	678988.713	869297.613	1366406.79	1457849.74	1123411.23
4593.98416	4480.60156	1342.83441	2471.14217	2917.41045	3857.9455	4177.06897	3347.61265
-112781.31	-122349.64	-88836.385	-96206.42	-99367.58	-112625.53	-122077.67	-106704.14
112781.312	122349.644	88836.3854	96206.4204	99367.5799	112625.534	122077.669	106704.137
1646820.05	1508665.23	379958.98	678988.713	869297.613	1366406.79	1457849.74	1123411.23
297.52	331.62	294.12	273.55	282.62	299.84	304.67	266.4
288.032072	270.910365	242.690173	201.144028	211.716729	267.456744	245.368109	246.645889
154.390451	145.076608	146.424218	110.039593	113.709604	168.746913	135.60727	132.289277
47724.6874	51190.2594	46141.6251	32611.7926	35818.6298	52827.3163	45428.7363	38696.1837

-112781.31	-122349.64	-88836.385	-96206.42	-99367.58	-112625.53	-122077.67	-106704.14
-352.4416	-332.47186	-277.6137	-273.31369	-295.73684	-351.95479	-346.81156	-333.45043
-6743994.9	-6570888.9	-4039851.7	-4307827	-4440583.2	-5164896.2	-8017830.1	-6590818.6
-59.63028	-53.763981	-45.199051	-44.809674	-44.702055	-45.62087	-65.634801	-61.384509
-6743994.9	-6570888.9	-4039851.7	-4307827	-4440583.2	-5164896.2	-8017830.1	-6590818.6
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
8390814.91	8079554.12	4419810.66	4986815.67	5309880.77	6531303.04	9475679.85	7714229.83
112781.312	122349.644	88836.3854	96206.4204	99367.5799	112625.534	122077.669	106704.137
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
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1646820.05	1508665.23	379958.98	678988.713	869297.613	1366406.79	1457849.74	1123411.23
4593.98416	4480.60156	1342.83441	2471.14217	2917.41045	3857.9455	4177.06897	3347.61265
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112781.312	122349.644	88836.3854	96206.4204	99367.5799	112625.534	122077.669	106704.137
1646820.05	1508665.23	379958.98	678988.713	869297.613	1366406.79	1457849.74	1123411.23
297.52	331.62	294.12	273.55	282.62	299.84	304.67	266.4
288.032072	270.910365	242.690173	201.144028	211.716729	267.456744	245.368109	246.645889
154.390451	145.076608	146.424218	110.039593	113.709604	168.746913	135.60727	132.289277
47724.6874	51190.2594	46141.6251	32611.7926	35818.6298	52827.3163	45428.7363	38696.1837
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-352.4416	-332.47186	-277.6137	-273.31369	-295.73684	-351.95479	-346.81156	-333.45043
-6743994.9	-6570888.9	-4039851.7	-4307827	-4440583.2	-5164896.2	-8017830.1	-6590818.6
-59.63028	-53.763981	-45.199051	-44.809674	-44.702055	-45.62087	-65.634801	-61.384509
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6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
8390814.91	8079554.12	4419810.66	4986815.67	5309880.77	6531303.04	9475679.85	7714229.83
112781.312	122349.644	88836.3854	96206.4204	99367.5799	112625.534	122077.669	106704.137
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6

227936.988	258977.954	287729.897	363962.82	357016.274	345847.468		
654.912657	787.79158	1048.64372	1337.10054	1211.98609	986.010714		
4115.87194	4676.38054	5195.55611	6572.09858	6446.66438	6244.98859	7109.88178	6707.20149
237140.996	245201.891	235232.387	293369.028	287493	282475.139	462395.589	405918.671
4115.87194	4676.38054	5195.55611	6572.09858	6446.66438	6244.98859	7109.88178	6707.20149
12.862099	12.707555	16.236112	18.670734	19.186501	19.515589	20.198527	20.960004
9204.00738	-13776.064	-52497.51	-70593.792	-69523.273	-63372.329	462395.589	405918.671

9204.00738	-13776.064	-52497.51	-70593.792	-69523.273	-63372.329	462395.589	405918.671
4115.87194	4676.38054	5195.55611	6572.09858	6446.66438	6244.98859	7109.88178	6707.20149
227936.988	258977.954	287729.897	363962.82	357016.274	345847.468		
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112781.312	122349.644	88836.3854	96206.4204	99367.5799	112625.534	122077.669	106704.137
227936.988	258977.954	287729.897	363962.82	357016.274	345847.468		
227936.988	258977.954	287729.897	363962.82	357016.274	345847.468		
4115.87194	4676.38054	5195.55611	6572.09858	6446.66438	6244.98859	7109.88178	6707.20149
227936.988	258977.954	287729.897	363962.82	357016.274	345847.468		
227936.988	258977.954	287729.897	363962.82	357016.274	345847.468		
4115.87194	4676.38054	5195.55611	6572.09858	6446.66438	6244.98859	7109.88178	6707.20149
237140.996	245201.891	235232.387	293369.028	287493	282475.139	462395.589	405918.671
9204.00738	-13776.064	-52497.51	-70593.792	-69523.273	-63372.329	462395.589	405918.671
227936.988	258977.954	287729.897	363962.82	357016.274	345847.468		

214903.47	243974.968	270535.446	342289.478	335962.703	325383.162		
617.423379	742.133576	986.003692	1257.55268	1140.52554	927.675556		
4632.53869	5259.21466	5831.76214	7378.5186	7242.1363	7014.07979	7988.00811	7537.13634
266987.883	275806.201	264292.112	329404.757	323009.562	317174.778	519478.518	456215.176
28.153071	31.255785	9.892662	41.681819	14.268895	19.849276		24.085761
1.407653	1.250231	0.593559	1.667272	0.285377	2.18342		0.481715
4632.53869	5259.21466	5831.76214	7378.5186	7242.1363	7014.07979	7988.00811	7537.13634
14.476683	14.291344	18.224256	20.9617	21.553977	21.918999	22.693204	23.553551
52084.4133	31831.2322	-6243.3334	-12884.721	-12953.141	-8208.384	519478.518	456215.176
52084.4133	31831.2322	-6243.3334	-12884.721	-12953.141	-8208.384	519478.518	456215.176
4632.53869	5259.21466	5831.76214	7378.5186	7242.1363	7014.07979	7988.00811	7537.13634
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214903.47	243974.968	270535.446	342289.478	335962.703	325383.162		
214903.47	243974.968	270535.446	342289.478	335962.703	325383.162		
4632.53869	5259.21466	5831.76214	7378.5186	7242.1363	7014.07979	7988.00811	7537.13634
214903.47	243974.968	270535.446	342289.478	335962.703	325383.162		
214903.47	243974.968	270535.446	342289.478	335962.703	325383.162		
4632.53869	5259.21466	5831.76214	7378.5186	7242.1363	7014.07979	7988.00811	7537.13634
266987.883	275806.201	264292.112	329404.757	323009.562	317174.778	519478.518	456215.176
52084.4133	31831.2322	-6243.3334	-12884.721	-12953.141	-8208.384	519478.518	456215.176
214903.47	243974.968	270535.446	342289.478	335962.703	325383.162		

142887.755	180582.521	114433.853	104459.363	125192.819	144712.789		
407.351813	546.44789	415.200943	384.143941	425.269528	411.960379		
2789.14221	3524.93697	2233.72736	2039.02719	2443.74038	2824.76653	3194.33662	2634.56064
165717.65	184164.836	116105.939	91166.4954	111444.301	126406.329	202825.034	155083.094
2789.14221	3524.93697	2233.72736	2039.02719	2443.74038	2824.76653	3194.33662	2634.56064

8.716069	9.578633	6.980398	5.79269	7.273036	8.827395	9.074819	8.233001
22829.8944	3582.31458	1672.08579	-13292.868	-13748.518	-18306.46	202825.034	155083.094
22829.8944	3582.31458	1672.08579	-13292.868	-13748.518	-18306.46	202825.034	155083.094
2789.14221	3524.93697	2233.72736	2039.02719	2443.74038	2824.76653	3194.33662	2634.56064
142887.755	180582.521	114433.853	104459.363	125192.819	144712.789		
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112781.312	122349.644	88836.3854	86882.8539	99367.5799	112625.534	122077.669	106704.137
142887.755	180582.521	114433.853	104459.363	125192.819	144712.789		
142887.755	180582.521	114433.853	104459.363	125192.819	144712.789		
2789.14221	3524.93697	2233.72736	2039.02719	2443.74038	2824.76653	3194.33662	2634.56064
142887.755	180582.521	114433.853	104459.363	125192.819	144712.789		
142887.755	180582.521	114433.853	104459.363	125192.819	144712.789		
2789.14221	3524.93697	2233.72736	2039.02719	2443.74038	2824.76653	3194.33662	2634.56064
165717.65	184164.836	116105.939	91166.4954	111444.301	126406.329	202825.034	155083.094
22829.8944	3582.31458	1672.08579	-13292.868	-13748.518	-18306.46	202825.034	155083.094
142887.755	180582.521	114433.853	104459.363	125192.819	144712.789		

169408.656	201689.076	221784.066	337780.115	303737.102	260258.882		
490.253305	616.310574	810.75064	1244.77158	1032.85517	742.905185		
1804.71563	2148.59993	2362.67248	3598.38197	3235.7207	2772.54589	3332.37318	2288.72362
100371.561	109247.425	118314.172	160952.292	146572.477	120281.487	208192.204	129787.469
1804.71563	2148.59993	2362.67248	3598.38197	3235.7207	2772.54589	3332.37318	2288.72362
5.639736	5.838586	7.383351	10.222676	9.630121	8.664205	9.466969	7.152261
-69037.096	-92441.651	-103469.89	-176827.82	-157164.63	-139977.4	208192.204	129787.469
-69037.096	-92441.651	-103469.89	-176827.82	-157164.63	-139977.4	208192.204	129787.469
1804.71563	2148.59993	2362.67248	3598.38197	3235.7207	2772.54589	3332.37318	2288.72362
169408.656	201689.076	221784.066	337780.115	303737.102	260258.882		
69037.0959	92441.6514	103469.894	176827.823	157164.625	139977.396	-208192.2	-129787.47
69037.0959	92441.6514	103469.894	176827.823	157164.625	139977.396	-208192.2	-129787.47
109856.873	122349.644	88836.3854	96206.4204	99367.5799	112625.534	122077.669	102260.982
169408.656	201689.076	221784.066	337780.115	303737.102	260258.882		
169408.656	201689.076	221784.066	337780.115	303737.102	260258.882		
1804.71563	2148.59993	2362.67248	3598.38197	3235.7207	2772.54589	3332.37318	2288.72362
169408.656	201689.076	221784.066	337780.115	303737.102	260258.882		
169408.656	201689.076	221784.066	337780.115	303737.102	260258.882		
1804.71563	2148.59993	2362.67248	3598.38197	3235.7207	2772.54589	3332.37318	2288.72362
100371.561	109247.425	118314.172	160952.292	146572.477	120281.487	208192.204	129787.469
-69037.096	-92441.651	-103469.89	-176827.82	-157164.63	-139977.4	208192.204	129787.469
169408.656	201689.076	221784.066	337780.115	303737.102	260258.882		

755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		
2169.94116	2692.68362	3260.599	4223.56874	3810.63633	3068.55184		
13342.2685	15609.1321	15623.7181	19588.0263	19368.2618	18856.3808	21624.5997	19167.6221
770218.089	814420.351	733944.61	874892.573	868519.34	846337.733	1392891.34	1147004.41
28.153071	31.255785	9.892662	41.681819	14.268895	19.849276		24.085761
1.407653	1.250231	0.593559	1.667272	0.285377	2.18342		0.481715

13342.2685	15609.1321	15623.7181	19588.0263	19368.2618	18856.3808	21624.5997	19167.6221
41.694588	42.416119	48.824119	55.647802	57.643636	58.92619	61.433521	59.898818
15081.2191	-70804.168	-160538.65	-273599.2	-253389.56	-229864.57	1392891.34	1147004.41
15081.2191	-70804.168	-160538.65	-273599.2	-253389.56	-229864.57	1392891.34	1147004.41
13342.2685	15609.1321	15623.7181	19588.0263	19368.2618	18856.3808	21624.5997	19167.6221
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		
-15081.219	70804.1681	160538.652	273599.203	253389.558	229864.569	-1392891.3	-1147004.4
-15081.219	70804.1681	160538.652	273599.203	253389.558	229864.569	-1392891.3	-1147004.4
0.39	0.13	0.4	0.34	0.14	0.71		0.2
448200.81	489398.576	355345.542	375502.115	397470.32	450502.137	488310.675	422373.394
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		
13342.2685	15609.1321	15623.7181	19588.0263	19368.2618	18856.3808	21624.5997	19167.6221
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		
13342.2685	15609.1321	15623.7181	19588.0263	19368.2618	18856.3808	21624.5997	19167.6221
770218.089	814420.351	733944.61	874892.573	868519.34	846337.733	1392891.34	1147004.41
15081.2191	-70804.168	-160538.65	-273599.2	-253389.56	-229864.57	1392891.34	1147004.41
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		

11.061489	11.093251	11.675057	11.169291	11.136432	11.250869	11.06467	11.124885
0.463482	0.43775	0.261022	0.391701	0.393741	0.371437	0.457634	0.452365
0.445308	0.420228	0.248506	0.377239	0.379696	0.353884	0.441062	0.436551
6743994.86	6570888.89	4039851.68	4307826.95	4440583.15	5164896.25	8017830.11	6590818.6
4624763.83	4707992.9	2370182.82	3537819.51	3732860.79	4206282.52	3858607.41	3255149.15
12969.7757	14079.6246	8570.19183	12950.9845	12614.6849	11914.4198	11100.6505	9705.1411
-47127.782	-49970.654	-44020.109	-27871.826	-33165.444	-52197.665	-43459.325	-36253.927
3516706.97	4044213.01	3516706.97	3868377.66	3692542.32	3516706.97		
0.034801	0.035839	0.036696	0.032525	0.034604	0.032755	0.031844	0.033488
571440.519	619868.056	335723.872	534894.979	511689.922	457125.446	620776.55	562202.146
1341482.62	1390130.55	721342.643	1149883.94	1083502.88	1042302.39	1576046.81	1435325.59
3.616069	3.534842	3.42197	3.498418	3.485907	3.565279	3.737623	3.732725
823908.064	920596.615	526496.408	817151.88	804379.655	710642.277	943629.221	827596.956
90562.561	73699.9986	11474.0532	17508.0629	19686.3385	43670.3853	64334.518	69892.7801
112949.138	129667.643	111857.093	124441.392	118702.238	111982.073	124619.774	113269.152
352.966056	352.357725	349.553415	353.526681	353.28047	349.943978	354.033448	353.9661
117472	135092.8	117472	129219.2	123345.6	117472	129219.2	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
52311.262	56769.858	29192.558	48746.568	46833.874	41571.488	56993.744	51282.588
353.017479	305.068524	238.663721	248.014346	205.355052	244.346426	275.414546	374.055113
41.964603	41.038231	41.556222	40.833796	40.471155	41.762448	43.205601	43.416954
2324868.49	2478866.82	1343842.45	2110740.81	2020580.8	1876620.59	2687594.53	2415610.56
4414941.37	4442251.39	3998586.3	3391808.7	3042398.61	3048653.98	5576414.33	4682317.86
112781.312	122349.644	88836.3854	96206.4204	99367.5799	112625.534	122077.669	106704.137
2090072.88	1963384.57	2654743.85	1281067.89	1021817.82	1172033.39	2888819.8	2266707.3

5185159.46	5256671.74	4732530.91	4266701.27	3910917.95	3894991.71	6969305.67	5829322.27
1538.77	1590.97	1117.6	1322.65	1207.03	1150.76	1595.31	1593.88
59354.496	117437.73	207556.027	357470.425	236673.944	73251.3843	241197.378	244857.054
42.977024	39.455952	33.933279	34.127172	34.086783	34.769354	48.194317	45.217396
1646820.05	1508665.23	379958.98	678988.713	869297.613	1366406.79	1457849.74	1123411.23
297.52	331.62	294.12	273.55	282.62	299.84	304.67	266.4
288.032072	270.910365	242.690173	201.144028	211.716729	267.456744	245.368109	246.645889
9.649403	9.067288	9.151513	6.877474	9.4758	10.546682	8.475454	8.268079
47,725	51,190	46,142	32,612	35,819	52,827	45,429	38,696
96842.7038	204327.897	1078209.29	646520.179	348279.614	104020.053	419316.182	370863.559
1.327443	1.507696	0.987493	2.767765	2.658091	0.753359	1.276898	2.773193
597	1,220	2,122	4,740	2,653	630	1,969	2,442
57.941386	50.715076	20.075824	39.775287	42.785805	44.460721	56.736403	58.499172
57.912759	50.705835	20.075196	39.721052	42.735029	44.455824	56.660737	58.378683
-47127.782	-49970.654	-44020.109	-27871.826	-33165.444	-52197.665	-43459.325	-36253.927
-147.27432	-135.78982	-137.56284	-79.181324	-98.706678	-163.1177	-123.46399	-113.29352
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-74.492452	-73.555575	-58.855934	-77.074948	-76.569345	-70.533686	-32.880266	-31.991716
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65056.625	71159.3847	42694.7603	63594.6278	63548.9501	59798.2179	76648.9324	68007.9537
2977943.78	3199327.67	1990223.84	2858830.8	2863563.18	2839875.73	2400757.67	2131737.92
8155547.73	8722521.51	5062353.45	7168735.93	7364697.21	7739434.4	3736118.96	3177106.89
9705525.07	10026858.8	4364103.14	7201204.46	7885715.21	9001821.14	4774652.53	3929654.56
		0.004545			0.00909		
956086.277	1019695.02	710868.637	774990.752	798905.852	902886.471	1022399.68	903385.335
6.19	5.86	5.11	4.76	3.77	3.81	5.9	6.19
43967.7594	47914.3145	40833.7929	43749.775	42708.0858	40256.5965	46746.8152	39768.1399
13587184	14255485.9	9951104.79	11680758.3	11517403.3	11845773.1	10981741	9249210.63
10070477	10211272.9	6434397.82	7812380.61	7824860.99	8329066.12	10981741	9249210.63
2165390.68	2310727.17	1247839.05	1967035.82	1887882.54	1752944.67	2519676.03	2262922.55
65653.5305	72378.9901	44816.2761	68334.5943	66202.1358	60427.8688	78618.3437	70450.2101
43967.7594	47914.3145	40833.7929	43749.775	42708.0858	40256.5965	46746.8152	39768.1399
10070477	10211272.9	6434397.82	7812380.61	7824860.99	8329066.12	10981741	9249210.63
115510.055	120225.339	55169.6059	99955.2126	89990.1763	83419.3253	121171.691	112919.87
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		
13342.2685	15609.1321	15623.7181	19588.0263	19368.2618	18856.3808	21624.5997	19167.6221
770218.089	814420.351	733944.61	874892.573	868519.34	846337.733	1392891.34	1147004.41
15081.2191	-70804.168	-160538.65	-273599.2	-253389.56	-229864.57	1392891.34	1147004.41
755136.87	885224.519	894483.262	1148491.78	1121908.9	1076202.3		

2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10
50.387503	45.826733	47.409043	47.036733	59.322883	53.924423	45.454423	45.733653
20.680447	20.6805	20.680565	20.68046	20.680578	20.680486	20.680565	20.680486
50.260695	45.699925	47.282235	46.909925	59.196075	53.797615	45.327615	45.606845
50.358239	45.797469	47.379779	47.007469	59.293619	53.895159	45.425159	45.704389
49.626653	45.065883	46.648193	46.275883	58.562033	53.163573	44.693573	44.972803
49.909533	45.348763	46.931073	46.558763	58.844913	53.446453	44.976453	45.255683
50.33873	45.77796	47.360271	46.98796	59.27411	53.87565	45.40565	45.68488
50.377748	45.816978	47.399288	47.026978	59.313128	53.914668	45.444668	45.723898
25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057
1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
50.07536	45.51459	47.096899	46.72459	59.01074	53.61228	45.14228	45.42151
6.825409	6.154707	5.763301	5.725209	5.751817	5.753272	5.765468	5.906555
38.007948	34.911547	35.933809	35.682419	43.875413	40.276553	34.630909	34.828813
38.007948	34.911547	35.933809	35.682419	43.875413	40.276553	34.630909	34.828813

0.13894	0.55576	0.27788	0.55576	0.27788	0.27788	0.83364	0.27788
0.001237	0.005321	0.012598	0.004682	0.008333	0.008671	0.015646	0.001545
0.001237	0.005238	0.01101	0.004391	0.008333	0.008671	0.01459	0.001545
75.944989	45.091007	1550.2379	3239.55696	15821.0468	3809.62143	3115.98276	
0.233791	0.159518	5.77169	8.819775	42.248476	10.331635	10.307426	
9.8	39.6	87.2	33.2	63	71.8	99.8	12.8
0.035056	0.026607	0.026022	0.029404	0.027083	0.034864	0.04194	0.02269
136.1612	550.202399	1211.5568	461.2808	875.321999	997.5892	1386.6212	177.8432
3494.585	14120.9761	31094.6747	11838.7982	22465.1893	25603.184	35587.7126	4564.35592
0.27225	1.089002	0.544501	1.089002	0.544501	0.544501	1.633503	0.544501
212.411472	858.315744	1890.02861	719.598048	1365.50232	1556.23915	2163.12907	277.435392
7642.35	7358.85	7713.9	7337.7	7355.25	7991.325	6553.125	8092.125
21.711221	21.901339	21.914488	21.838392	21.890625	21.715557	21.556332	21.98947
7920	7560	7920	7560	7560	8280	6840	8280
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
9.8	39.6	87.2	33.2	63	71.8	99.8	12.8
3.797249	15.309811	7.602412	15.221042	7.603882	7.594498	22.849322	7.691458
3.797249	15.309811	7.602412	15.221042	7.603882	7.594498	22.849322	7.691458
3721.30447	15072.0135	33146.9209	12641.7738	23934.3068	27264.2511	37966.3608	4907.02011
4574.85782	20541.5429	87769.36	15980.6155	49341.5558	75866.1862	58336.5046	5690.70376
853.553351	5469.52943	54622.4391	3338.84174	25407.249	48601.935	20370.1438	783.683649
4574.85782	20541.5429	87769.36	15980.6155	49341.5558	75866.1862	58336.5046	5690.70376
3.52	5.62	9.69	9.22	6.48	7.15	15.74	0.68
3645.35948	15026.9225	31596.683	9402.21685	8113.26005	23454.6297	34850.3781	4907.02011
4491.56716	20489.6884	83441.1246	11995.9684	14325.8333	63640.5552	53243.6705	5690.70376
0.2	0.799329	0.394306	0.750446	0.289189	0.358029	1.161286	0.4
9.6	39.481253	83.117471	24.699316	21.335508	61.767418	91.624746	12.8
	379.724946	379.836666	384.08075	381.001363	382.128108	385.603706	
	3.797249	7.596733	11.522422	7.620027	7.642562	19.280185	
9.8	39.6	87.2	33.2	63	71.8	99.8	12.8
0.02784	0.117857	0.247727	0.098809	0.1875	0.195108	0.328289	0.034782
853.553351	5469.52943	54622.4391	3338.84174	25407.249	48601.935	20370.1438	783.683649
853.553351	5469.52943	54622.4391	3338.84174	25407.249	48601.935	20370.1438	783.683649
0.2	0.118746	4.082528	8.500683	41.664491	10.032581	8.175253	
75.944989	45.091007	1550.2379	3239.55696	15821.0468	3809.62143	3115.98276	
0.11	0.35	0.33	0.29	0.11	0.14	0.71	0.25
-853.55335	-5469.5294	-54622.439	-3338.8417	-25407.249	-48601.935	-20370.144	-783.68365
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		0.01	0.11	0.05	0.03	0.03	
158.2151	551.1903	1140.9142	543.5094	1165.6141	1173.9085	1442.5467	182.7317
	0.03	0.03	0.03	0.01		0.06	0.04
	34.9056	34.9056	34.9056	11.6352		69.8112	46.5408
3721.30447	15072.0135	33146.9209	12641.7738	23934.3068	27264.2511	37966.3608	4907.02011
3721.30447	15072.0135	33146.9209	12641.7738	23934.3068	27264.2511	37966.3608	4907.02011
3706.99647	14979.2919	32984.7033	12558.3962	23830.6916	27159.4231	37750.8416	4841.79131

9.8	39.6	87.2	33.2	63	71.8	99.8	12.8
	34.9056	34.9056	34.9056	11.6352		69.8112	46.5408
3721.30447	15072.0135	33146.9209	12641.7738	23934.3068	27264.2511	37966.3608	4907.02011
14.308	57.815999	127.312	48.472	91.979999	104.828	145.708	18.688
5.086259	4.33274	3.20246	4.52112	6.02816	3.955979	2.73151	3.29665
0.308478	0.194552	0.171302	0.228127	0.258538	0.18395	0.190654	0.190416
0.300426	0.188839	0.164943	0.222232	0.250952	0.178804	0.182993	0.184646
235128.614	83828.9173	76270.6471	192274.368	300647.558	226992.467	125417.265	128932.745
762.176287	304.162619	285.733518	597.52258	817.768519	660.477421	423.302436	455.106076
6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54	3941.1
0.029971	0.032678	0.033096	0.031934	0.030595	0.024048	0.031677	0.031086
57771.4365	34662.8619	31718.2941	40792.3703	46064.1846	35946.6716	30390.7803	37121.2209
256420.661	200186.825	143650.818	199811.478	252688.613	196474.427	153727.751	241531.888
2.849219	2.687619	1.623998	2.455874	3.681859	2.467543	1.570096	2.225281
46098.309	15158.4919	16427.6229	33036.6984	45739.6261	34752.5209	21298.9606	17246.2667
19804.1	18851.16	19740.3	18865.66	18891.76	20830.7	17073.46	20680.48
56.261647	56.104642	56.080397	56.147797	56.225476	56.605163	56.162697	56.196956
20416	19488	20416	19488	19488	21344	17632	21344
58	58	58	58	58	58	58	58
6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54	3941.1
32.391129	30.116081	18.857689	28.109853	41.438572	27.584331	17.775141	24.572013
32.391129	30.116081	18.857689	28.109853	41.438572	27.584331	17.775141	24.572013
319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261	281961.034
573208.87	411633.055	602886.465	499728.242	690265.409	649481.158	576326.201	541990.37
253943.112	173722.062	424603.954	255437.207	387366.912	413886.956	389505.941	260029.337
573208.87	411633.055	602886.465	499728.242	690265.409	649481.158	576326.201	541990.37
187.84	148.9	109.79	149.42	179.07	142.57	94.42	125.96
84137.1439	154082.076	102011.863	52016.6666	2250.93984	8601.73563	61402.9959	153028.289
134438.17	263476.011	359943.339	98422.9139	3305.79675	25032.1104	185692.669	292215.604
13.678394	17.413024	13.535762	11.980074	3.534792	4.724375	8.938759	13.112599
1239.31708	2070.74742	1623.38584	823.407147	34.457859	126.781052	965.263788	2110.09175
71.926121	71.436973	61.084969	63.85425	72.533078	70.914781	66.105087	71.713339
32.924175	28.549285	17.597874	28.080722	44.967465	29.072513	17.803476	22.927994
6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54	3941.1
17.424715	10.952678	9.566704	12.889464	14.555238	10.370652	10.613618	10.70951
253943.112	173722.062	424603.954	255437.207	387366.912	413886.956	389505.941	260029.337
253943.112	173722.062	424603.954	255437.207	387366.912	413886.956	389505.941	260029.337
4894.18292	1609.35258	1744.09416	3507.45285	4856.10214	3689.61895	2261.27621	1831.00825
235128.614	83828.9173	76270.6471	192274.368	300647.558	226992.467	125417.265	128932.745
10.08	13.03	7.78	7	0.96	1.39	4.89	10.37
-253943.11	-173722.06	-424603.95	-255437.21	-387366.91	-413886.96	-389505.94	-260029.34
-388381.28	-437198.07	-784547.29	-353860.12	-390672.71	-438919.07	-575198.61	-552244.94
6.08	1.79	1.78	8.91	19.7	11.85	2.68	1.95
32086.4034	17299.9076	15355.3404	23620.5197	31291.7403	22753.6383	16069.8303	18914.9887
0.53	0.35	0.53	0.57	0.61	0.36	0.34	0.43
283.3963	187.1485	283.3963	304.7847	326.1731	192.4956	181.8014	229.9253

319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261	281961.034
319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261	281961.034
256420.661	200186.825	143650.818	199811.478	252688.613	196474.427	153727.751	241531.888
6133.5	3680.1	3367.48	4330.86	4890.56	3816.4	3226.54	3941.1
283.3963	187.1485	283.3963	304.7847	326.1731	192.4956	181.8014	229.9253
319265.758	237910.993	178282.51	244291.034	302898.498	235594.202	186820.261	281961.034
62561.7	37537.02	34348.296	44174.772	49883.712	38927.28	32910.708	40199.22
2.13	2.12	1.83	0.92	0.13	0.22	0.64	2.41
11.054329	11.082768	11.229	11.103137	10.999717	11.135752	11.269847	11.17533
0.650433	0.62616	0.566564	0.625244	0.665709	0.607802	0.55367	0.592366
0.627339	0.602384	0.549449	0.602729	0.640906	0.585194	0.534166	0.574756
906870.928	825425.805	795635.687	895762.451	973388.71	981009.881	709507.205	934909.353
3022.21807	3043.89229	3021.17436	2951.41585	2724.5529	2925.34699	2502.69373	3380.19894
24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912	23477.654
0.036221	0.039523	0.031107	0.038244	0.035565	0.037581	0.03773	0.032635
267068.04	245619.765	237271.015	245757.375	259952.193	262133.4	199507.656	258150.955
424684.244	391281.987	377298.698	391234.484	414557.53	417908.284	317271.403	411090.675
3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618
526604.761	484313.053	467850.988	484584.392	512573.734	516874.638	393389.196	509022.052
37656.75	35821.92	37856.55	35869.65	35969.55	39312.87	32470.83	39514.89
106.979403	106.612857	107.547017	106.75491	107.052232	106.828451	106.81194	107.377418
39072	37296	39072	37296	37296	40848	33744	40848
111	111	111	111	111	111	111	111
24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912	23477.654
41.734456	41.933544	42.370255	41.951265	41.465789	42.137691	42.680804	42.229378
41.331717	41.426645	41.954059	41.503151	41.130821	41.616641	42.098733	41.759381
1007435.47	928664.572	894614.565	928088.952	981262.089	991698.391	753897.747	974234.685
1588707.91	1372121.4	1498549.11	1412373.09	1809073.04	1806774.97	1334658.65	1521325.04
581272.447	443456.831	603934.543	484284.143	827810.951	815076.583	580760.905	547090.355
1588707.91	1372121.4	1498549.11	1412373.09	1809073.04	1806774.97	1334658.65	1521325.04
339.25	322.72	341.05	323.15	324.05	354.17	292.53	355.99
92421.2185	94167.7264	91557.1178	24080.1002	554.69897	586.670501	36453.3817	31182.0114
166743.813	198291.619	241838.115	42585.5167	891.214666	1101.0507	94235.8885	65815.5031
19.136904	20.105312	16.962017	11.594067	1.751786	2.836131	8.810363	8.415744
2377.68588	2396.7761	2339.46069	618.254578	14.353416	14.813813	939.827944	796.481355
34.805049	29.878408	22.881729	29.953676	33.583122	30.958144	19.225427	26.696979
34.69449	29.792249	22.840428	29.937531	33.246661	30.95725	19.215291	26.686031
24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912	23477.654
69.634681	66.864732	60.988909	66.903005	71.140654	64.95657	59.292473	63.797972
441675.983	315071.38	479912.983	355826.763	691933.94	678059.454	476478.253	412154.851
441675.983	315071.38	479912.983	355826.763	691933.94	678059.454	476478.253	412154.851
22133.7221	20069.7739	19128.6353	21861.1554	23888.9066	23889.2042	17085.0841	22681.1726
906870.928	825425.805	795635.687	895762.451	973388.71	981009.881	709507.205	934909.353
12.92	12.37	8.59	4.08	0.2	0.29	3.9	6.7
-581272.45	-443456.83	-603934.54	-484284.14	-827810.95	-815076.58	-580760.9	-547090.35
-748016.26	-641748.45	-845772.66	-526869.66	-828702.17	-816177.63	-674996.79	-612905.86

230.58	219.25	256.41	236.31	236.97	282.13	224.46	266.36
98744.0491	84743.1822	87744.6542	95723.2163	112645.764	115829.807	80909.1016	96081.2335
0.79	0.88	0.72	0.8	0.71	0.98	0.77	0.79
8143.32	9071.04	7421.76	8246.4	7318.68	10101.84	7937.16	8143.32
1147031.93	1057050.02	1018636.12	1056546.33	1117139.1	1128715.52	858180.399	1109170.19
1147031.93	1057050.02	1018636.12	1056546.33	1117139.1	1128715.52	858180.399	1109170.19
951289.006	875595.04	845149.685	875818.875	927131.265	934782.922	710660.599	920112.727
24511.408	22466.55	21468.096	22479.41	23903.26	23904.018	18024.912	23477.654
8143.32	9071.04	7421.76	8246.4	7318.68	10101.84	7937.16	8143.32
1147031.93	1057050.02	1018636.12	1056546.33	1117139.1	1128715.52	858180.399	1109170.19
48003.1414	43998.4915	42043.1192	44023.6765	46812.1444	46813.6289	35299.9877	45978.6376
17.29	25.22	20.02	7.11	0.42	0.53	5.29	10.77
0.45	0.45	0.3	0.6	0.6	0.3	0.9	0.3
0.00114	0.00494	0.013065	0.003906	0.009024	0.009283	0.015025	0.001181
0.001136	0.00494	0.01284	0.003839	0.00875	0.009266	0.014605	0.001168
24.476721		195.813772	256.315371	1863.40026	358.249669	394.353595	
0.072003		0.728875	0.668706	4.948703	0.962708	1.336004	
1.2	4.98	13.56	3.87	8.82	10.23	13.32	1.29
0.021647	0.032648	0.030482	0.035565	0.037321	0.026494	0.033125	0.027826
18	74.7	203.4	58.05	132.3	153.45	199.8	19.35
461.971031	1917.17978	5220.27265	1489.85658	3395.48708	3938.30304	5127.87845	496.618858
0.81589	0.81589	0.543927	1.087854	1.087854	0.543927	1.631781	0.543927
27.5634	114.38811	311.46642	88.891964	202.590989	234.977985	305.953739	29.630655
1033.14	975.09	1023.81	972.15	970.38	1074.75	881.79	1073.28
2.935056	2.902053	2.908551	2.893303	2.888035	2.920516	2.900625	2.916521
1056	1008	1056	1008	1008	1104	912	1104
3	3	3	3	3	3	3	3
1.2	4.98	13.56	3.87	8.82	10.23	13.32	1.29
12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721	8.158907
12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721	8.158907
489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219	526.249513
580.906129	2700.89405	15014.8247	1960.44935	7011.05849	11162.1798	8249.47368	602.450886
91.371697	669.326156	9483.08566	381.700807	3412.98042	6988.89877	2815.6415	76.201372
580.906129	2700.89405	15014.8247	1960.44935	7011.05849	11162.1798	8249.47368	602.450886
0.4	1.66	4.52	1.29	2.94	3.41	4.44	0.43
465.057709	2031.56789	5335.9253	1322.43317	1734.67781	3815.03136	5039.47859	526.249513
556.003014	2700.89405	14478.1726	1643.36068	2978.82045	9910.11935	7604.11323	602.450886
0.06	0.09	0.06	0.118951	0.057143	0.059876	0.179819	0.06
1.14	4.98	13.08	3.241691	4.25223	9.351819	12.353317	1.29
			407.945359	407.945359	407.945359	407.945359	
			4.079453	8.158907	4.079453	4.079453	
1.2	4.98	13.56	3.87	8.82	10.23	13.32	1.29
0.003409	0.014821	0.038522	0.011517	0.02625	0.027798	0.043815	0.003505
91.371697	669.326156	9483.08566	381.700807	3412.98042	6988.89877	2815.6415	76.201372
91.371697	669.326156	9483.08566	381.700807	3412.98042	6988.89877	2815.6415	76.201372

0.06		0.48	0.628308	4.567769	0.87818	0.966682	
24.476721		195.813772	256.315371	1863.40026	358.249669	394.353595	
-91.371697	-669.32616	-9483.0857	-381.70081	-3412.9804	-6988.8988	-2815.6415	-76.201372
-647.37471	-3370.2202	-23961.258	-2025.0615	-6391.8009	-16899.018	-10419.755	-678.65226
130.0736	463.682	1186.5927	421.9051	1089.3783	1113.56	1284.4236	122.172
0.21	0.3	0.35	0.32	0.39	0.28	0.85	0.1
489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219	526.249513
489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219	526.249513
489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219	526.249513
1.2	4.98	13.56	3.87	8.82	10.23	13.32	1.29
489.534431	2031.56789	5531.73907	1578.74854	3598.07807	4173.28103	5433.83219	526.249513
11.652826	11.692453	11.979335	11.740708	11.579136	11.790279	12.145733	11.915888
0.705926	0.686526	0.608129	0.680037	0.724472	0.661388	0.56909	0.626804
0.673118	0.657906	0.582172	0.648168	0.691164	0.6277	0.542425	0.597794
327799.491	307447.132	289509.652	303382.517	321009.863	323116.953	235157.465	310009.407
1095.89785	1137.58351	1101.81935	1002.2145	900.700856	965.60187	832.604479	1123.20402
10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59	9459.5
0.048892	0.042351	0.044943	0.046636	0.046369	0.050054	0.050986	0.046114
116390.025	109020.585	102856.541	107607.044	113747.699	114553.186	83544.944	110030.121
184970.45	173807.759	163536.012	171399.836	181385.286	182661.017	132916.259	175202.226
2.706	2.706	2.706	2.706	2.706	2.706	2.706	2.706
129891.268	121666.973	114787.9	120089.461	126942.433	127841.356	93236.1575	122793.616
14395.97	13836.11	14455.74	13774.19	13778.06	15031.94	12405.5	15094.29
40.897642	41.178898	41.067443	40.994613	41.00613	40.847663	40.807565	41.017092
15136	14448	15136	14448	14448	15824	13072	15824
43	43	43	43	43	43	43	43
10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59	9459.5
33.552797	33.68168	34.547659	33.7455	33.268569	33.923905	35.116293	34.150581
32.803001	32.897897	33.686644	33.03458	32.592992	33.164252	34.134812	33.508728
333765.498	313766.14	295581.42	309041.253	326668.598	329540.382	240255.425	315209.326
625695.2	542753.873	614076.683	551774.934	713205.946	691247.044	497430.744	587870.31
291929.702	228987.733	318495.263	242733.681	386537.348	361706.661	257175.319	272660.983
625695.2	542753.873	614076.683	551774.934	713205.946	691247.044	497430.744	587870.31
334.79	321.77	336.18	320.33	320.42	349.58	288.5	351.03
1.393681	99.49629	5.195169					
3.100273	119.273942	6.619775					
0.023113	0.238501	0.058986					
0.046226	3.379893	0.17696					
39.000945	28.822284	21.080558	28.173685	32.911639	32.911892	22.329968	24.324028
9.360226	6.911412	3.7945	5.071263	5.265862	10.531805	4.912593	4.864805
10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59	9459.5
28.94409	28.28997	25.033409	27.87125	29.720059	26.991141	23.324309	25.705163
231092.636	172002.673	264732.149	186487.479	327081.425	301829.711	213506.376	215148.239
231092.636	172002.673	264732.149	186487.479	327081.425	301829.711	213506.376	215148.239

10188.2738	9502.05011	8811.58304	9364.74	9985.94	9932.74	7090.59	9459.5
327799.491	307447.132	289509.652	303382.517	321009.863	323116.953	235157.465	310009.407
-291929.7	-228987.73	-318495.26	-242733.68	-386537.35	-361706.66	-257175.32	-272660.98
-291932.8	-229107.01	-318501.88	-242733.68	-386537.35	-361706.66	-257175.32	-272660.98
2.2	2.71	1.52	1.84	1.29	3.5	2.36	2.34
96208.3902	83507.5822	85102.5942	94236.3448	110093.56	112963.491	78803.6851	93906.9055
1.17	1.22	1.19	1.11	1.11	1.26	1	1.02
5964.6132	6219.5112	6066.5724	5658.7356	5658.7356	6423.4296	5097.96	5199.9192
394602.564	370751.2	349344.534	365287.455	386124.521	389417.333	283924.368	372722.071
394602.564	370751.2	349344.534	365287.455	386124.521	389417.333	283924.368	372722.071
314861.719	295474.733	278323.912	291489.297	308327.719	310502.373	226152.416	297995.842
10188.32	9505.43	8811.76	9364.74	9985.94	9932.74	7090.59	9459.5
5964.6132	6219.5112	6066.5724	5658.7356	5658.7356	6423.4296	5097.96	5199.9192
394602.564	370751.2	349344.534	365287.455	386124.521	389417.333	283924.368	372722.071
12939.1664	12071.8961	11190.9352	11893.2198	12682.1438	12614.5798	9005.0493	12013.565
0.45	0.45	0.3	0.6	0.6	0.3	0.9	0.3
0.001136	0.00494	0.013285	0.003839	0.009062	0.009293	0.014913	0.001285
0.001136	0.00494	0.013181	0.003839	0.008005	0.009293	0.014506	0.001086
24.476721		189.904414	220.290432	1696.74829	332.108203	342.674101	
0.072003		0.706409	0.563466	4.499882	0.895692	1.16846	
1.2	4.98	13.92	3.87	8.07	10.26	13.23	1.2
0.026505	0.02869	0.029659	0.040654	0.039791	0.016521	0.026019	0.031168
18	74.7	208.8	58.05	121.05	153.9	198.45	18
461.971031	1917.17978	5358.86396	1489.85658	3106.75519	3949.85232	5093.23062	461.971031
0.81589	0.81589	0.543927	1.087854	1.087854	0.543927	1.631781	0.543927
27.5634	114.38811	319.73544	88.891964	185.363864	235.66707	303.886484	27.5634
1028.01	979.08	1024.68	967.02	967.89	1085.76	888.27	1069.59
2.920482	2.913928	2.911022	2.878035	2.880625	2.950434	2.92194	2.906494
1056	1008	1056	1008	1008	1104	912	1104
3	3	3	3	3	3	3	3
1.2	4.98	13.92	3.87	8.07	10.26	13.23	1.2
12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721	8.158907
12.23836	12.23836	8.158907	16.317814	16.317814	8.158907	24.476721	8.158907
489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711	489.534431
580.906129	2700.89405	15186.3915	1960.44935	6556.70202	11175.4485	8213.27521	563.518865
91.371697	669.326156	9507.79207	381.700807	3264.58297	6989.92908	2816.1581	73.984434
580.906129	2700.89405	15186.3915	1960.44935	6556.70202	11175.4485	8213.27521	563.518865
0.4	1.66	4.64	1.29	2.69	3.42	4.41	0.4
465.057709	2031.56789	5488.69499	1358.45811	1595.37076	3853.41118	5054.443	489.534431
556.003014	2700.89405	14657.6104	1685.57017	2845.92183	10010.5099	7627.51039	563.518865
0.06	0.09	0.059952	0.119361	0.058454	0.05989	0.18	0.06
1.14	4.98	13.454485	3.33	3.910746	9.4459	12.39	1.2
		474.644067	407.945359	443.865529	407.945359		
		4.74644	8.158907	8.87731	4.079453		

1.2	4.98	13.92	3.87	8.07	10.26	13.23	1.2
0.003409	0.014821	0.039545	0.011517	0.024017	0.02788	0.043519	0.00326
91.371697	669.326156	9507.79207	381.700807	3264.58297	6989.92908	2816.1581	73.984434
91.371697	669.326156	9507.79207	381.700807	3264.58297	6989.92908	2816.1581	73.984434
0.06		0.465514	0.539999	4.159253	0.814099	0.84	
24.476721		189.904414	220.290432	1696.74829	332.108203	342.674101	
	0.02	0.74	0.02	0.04		0.01	
-91.371697	-669.32616	-9507.7921	-381.70081	-3264.583	-6989.9291	-2816.1581	-73.984434
-647.37471	-3370.2202	-24165.402	-2067.271	-6110.5048	-17000.439	-10443.668	-637.5033
		0.01		0.04			
130.0736	463.682	1217.1078	421.9051	997.8559	1117.1219	1278.365	114.2049
0.21	0.3	0.36	0.32	0.36	0.29	0.83	0.08
489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711	489.534431
489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711	489.534431
489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711	489.534431
1.2	4.98	13.92	3.87	8.07	10.26	13.23	1.2
489.534431	2031.56789	5678.5994	1578.74854	3292.11905	4185.51939	5397.11711	489.534431

7.450143	4.851842	3.995731	6.422557	7.571693	4.71527	3.745174	4.155665
0.246051	0.136113	0.12569	0.164171	0.184213	0.140162	0.157915	0.140842
0.235198	0.133386	0.122227	0.159595	0.178809	0.138434	0.151144	0.137603
86416.729	26344.0697	29101.126	78474.9945	199104.118	132881.726	51653.4916	32539.7019
280.200436	96.970604	109.552108	234.647894	533.940129	377.659481	171.259523	115.762575
4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4	2531.9
0.032386	0.027782	0.02973	0.031636	0.027261	0.028559	0.038782	0.024565
59926.7	32310.1	31081.6	38714	43454	36893.2	33365.4	36615.1
222320.949	165733.812	129654.466	178699.629	229579.13	196936.337	163272.414	236219.425
2.434165	2.069659	1.298002	2.268904	2.890953	1.689856	1.33003	1.840385
35231.1413	10156.2677	10390.9448	19035.3468	37622.7099	25838.1682	13002.8194	6318.36311
17015.6	16319	17110.2	16380.4	16306.3	17905.1	14541.8	17981.6
48.339772	48.568452	48.608522	48.75119	48.530654	48.655163	47.834868	48.863043
17600	16800	17600	16800	16800	18400	15200	18400
50	50	50	50	50	50	50	50
4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4	2531.9
62.101838	54.781352	32.563876	59.064169	73.987431	44.238312	38.08986	50.452896
34.933398	29.584626	18.626921	32.535764	41.566721	24.240381	19.216335	26.513571
223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74	237044.294
384578.268	269201.901	448466.136	349427.887	500828.449	504874.222	463647.626	391423.031
160898.353	102892.04	317988.57	169854.287	270249.046	307264.533	299636.886	154378.737
384578.268	269201.901	448466.136	349427.887	500828.449	504874.222	463647.626	391423.031
302.82	212.53	193.52	232.53	269.08	207.65	177.42	182.14
137263.186	139965.791	101376.44	101098.606	31475.2846	64727.9629	112357.248	204504.592
207688.716	220684.121	360175.881	184082.238	55593.558	187084.334	319859.923	338313.321
8.778132	6.734432	5.495367	7.775328	4.55071	3.815859	5.071476	6.38003
1689.37389	1525.15941	1418.07352	1347.43768	385.184559	740.234064	1384.38629	2089.28084
94.631069	97.467707	78.076484	92.034467	100.870796	93.068466	109.678653	104.378886
42.579922	23.392249	17.082612	38.652494	51.431171	30.712593	25.127515	29.226088

4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4	2531.9
11.759943	6.669345	6.111363	7.979761	8.940476	6.921739	7.557236	6.880163
160898.353	102892.04	317988.57	169854.287	270249.046	307264.533	299636.886	154378.737
160898.353	102892.04	317988.57	169854.287	270249.046	307264.533	299636.886	154378.737
2450.12611	715.740585	733.126476	1333.76232	2618.81544	1806.96594	913.013714	442.619159
86416.729	26344.0697	29101.126	78474.9945	199104.118	132881.726	51653.4916	32539.7019
36.65	27.84	23.96	29.38	17.27	23.06	28.58	37.35
-160898.35	-102892.04	-317988.57	-169854.29	-270249.05	-307264.53	-299636.89	-154378.74
-368587.07	-323576.16	-678164.45	-353936.52	-325842.6	-494348.87	-619496.81	-492692.06
4.3	0.77	0.9	8.09	29.9	17.9	4.03	1.69
46385.5322	21670.2574	20565.3564	30530.914	40966.5529	32670.7674	25275.8027	25804.9341
0.48	0.15	0.44	0.35	0.41	0.08	0.18	0.31
398.432	119.799	353.564	301.067	319.913	73.584	153.45	256.199
223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74	237044.294
223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74	237044.294
222320.949	165733.812	129654.466	178699.629	229579.13	196936.337	163272.414	236219.425
4139.5	2240.9	2151.2	2681.2	3004	2547.2	2297.4	2531.9
398.432	119.799	353.564	301.067	319.913	73.584	153.45	256.199
223679.915	166309.861	130477.566	179573.6	230579.403	197609.689	164010.74	237044.294
960.533999	456.249999	469.536	572.903999	680.359999	599.767999	584.875999	568.669999
3.32	1.93	2.87	1.54	0.36	0.28	1.03	1.18
0.45	0.45	0.3	0.6	0.6	0.3	0.9	0.3
0.001141	0.00488	0.013174	0.003955	0.009017	0.009293	0.015029	0.001168
0.001136	0.00488	0.011022	0.003779	0.00875	0.009293	0.014934	0.001168
32.672348		228.706441	267.782913	2152.40054	406.203793	522.75758	
0.096112		0.848991	0.689908	5.723795	1.089782	1.773026	
1.6	6.56	15.52	5.08	11.76	13.68	18.16	1.72
0.029517	0.020684	0.039204	0.037321	0.037767	0.030054	0.02046	0.024103
24	98.4	232.8	76.2	176.4	205.2	272.4	25.8
615.961375	2525.44164	5974.82534	1955.67737	4527.31611	5266.46976	6991.16161	662.158478
0.816808	0.816808	0.544539	1.089078	1.089078	0.544539	1.633617	0.544539
37.4856	153.69096	363.61032	119.01678	275.51916	320.50188	425.46156	40.29702
1366.44	1316.2	1352.8	1293.84	1293.24	1427.76	1191.12	1436.52
3.881931	3.917261	3.843181	3.850714	3.848928	3.879782	3.918157	3.903586
1408	1344	1408	1344	1344	1472	1216	1472
4	4	4	4	4	4	4	4
1.6	6.56	15.52	5.08	11.76	13.68	18.16	1.72
12.25213	12.25213	8.168087	16.336174	16.336174	8.168087	24.504261	8.168087
12.25213	12.25213	8.168087	16.336174	16.336174	8.168087	24.504261	8.168087
653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317	702.455498
774.541505	3568.53072	17010.9166	2580.98924	9502.03016	14900.598	11207.043	803.267848
121.09453	889.398121	10672.4809	506.295091	4699.1949	9313.62632	3790.41984	100.81235
774.541505	3568.53072	17010.9166	2580.98924	9502.03016	14900.598	11207.043	803.267848
0.4	1.64	3.88	1.27	2.94	3.42	4.54	0.43
620.774626	2679.1326	6109.72922	1806.91123	2650.43473	5180.76784	6893.86559	702.455498
741.337352	3568.53072	16338.7583	2247.23473	4707.10847	13466.387	10351.786	803.267848

0.08	0.12	0.08	0.159439	0.076471	0.079634	0.24	0.08
1.52	6.56	14.96	4.424319	6.489731	12.685388	16.88	1.72
416.404548		990.961608	487.448386	559.21385	907.284719	593.97548	
4.164045		19.819232	9.748967	22.368554	18.145694	23.759019	
1.6	6.56	15.52	5.08	11.76	13.68	18.16	1.72
0.004545	0.019523	0.04409	0.015119	0.035	0.037173	0.059736	0.004673
121.09453	889.398121	10672.4809	506.295091	4699.1949	9313.62632	3790.41984	100.81235
121.09453	889.398121	10672.4809	506.295091	4699.1949	9313.62632	3790.41984	100.81235
0.08		0.56	0.65568	5.270268	0.994611	1.28	
32.672348		228.706441	267.782913	2152.40054	406.203793	522.75758	
0.38	1.61	3.73	1.1	1.68	3.2	4.2	0.39
-121.09453	-889.39812	-10672.481	-506.29509	-4699.1949	-9313.6263	-3790.4198	-100.81235
-862.43188	-4457.9288	-27011.239	-2753.5298	-9406.3034	-22780.013	-14142.206	-904.0802
0.01		0.14	0.16	1.25	0.22	0.31	
130.0736	457.9049	1020.3617	414.0868	1087.1557	1117.1219	1316.5139	122.172
0.21	0.3	0.31	0.31	0.37	0.29	0.88	0.1
653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317	702.455498
653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317	702.455498
653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317	702.455498
1.6	6.56	15.52	5.08	11.76	13.68	18.16	1.72
653.446975	2679.1326	6338.43566	2074.69415	4802.83527	5586.97164	7416.62317	702.455498
10.555108	10.568344	10.783943	10.613152	10.480986	10.655251	10.868311	10.71747
0.533626	0.509432	0.424407	0.497302	0.559519	0.473668	0.40114	0.447001
0.503676	0.483848	0.402768	0.472072	0.529029	0.440166	0.373758	0.419787
384567.07	352901.992	310492.089	348760.216	388898.437	357524.141	252573.179	340972.632
1279.66765	1303.52099	1180.6063	1147.98897	1083.7732	1062.58508	891.589644	1233.47753
10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29	9052.638
0.058096	0.04863	0.056363	0.052083	0.053958	0.072336	0.072171	0.069184
106658.156	98108.5728	86526.6492	95772.4861	106708.961	98103.0719	69649.9956	93786.2604
169727.184	156661.316	137688.108	152781.158	170342.522	156654.391	110692.475	149524.851
3.5747	3.5747	3.574699	3.5747	3.5747	3.5747	3.574699	3.5747
211684.442	194716.084	171729.441	190079.653	211785.275	194705.167	138234.346	186137.591
19428.83	18732.076	19464.576	18664.1	18627.182	20004.868	16528.716	20072.844
55.195539	55.750226	55.29709	55.547916	55.438041	54.361054	54.370776	54.545771
20627.2	19689.6	20627.2	19689.6	19689.6	21564.8	17814.4	21564.8
58.6	58.6	58.6	58.6	58.6	58.599999	58.6	58.599999
10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29	9052.638
42.613103	42.48133	45.37858	42.744249	42.051779	43.326675	46.688408	45.188759
38.380729	38.418936	39.199358	38.58448	38.1081	38.731726	39.499836	38.95699
417076.653	384400.058	345811.297	373882.392	414109.614	388754.279	284016.971	376472.232
742296.719	642318.372	695699.624	636430.105	868855.909	846950.886	589716.144	681960.329
325220.066	257918.314	349888.327	262547.713	454746.295	458196.607	305699.173	305488.097
742296.719	642318.372	695699.624	636430.105	868855.909	846950.886	589716.144	681960.329
331.55	319.66	332.16	318.5	317.87	341.38	282.06	342.54
3597.68263	4667.82292	4325.65194	142.294274		5.286374	681.531275	574.024252
6781.82912	8583.31662	10930.4927	209.877213		5.928616	1741.75067	820.235021

2.575544	1.679841	1.467503	0.336242		0.13	0.786352	0.158747
101.140469	131.567321	122.393808	4.014195		0.13	19.31687	16.350961
39.297055	36.071375	26.708477	32.481292	37.738732	33.042072	21.438434	30.022929
32.987435	30.573127	20.287045	25.983823	28.304049	26.103237	14.577638	21.615538
10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29	9052.638
29.515414	28.353547	23.602238	27.663458	31.001101	25.793766	21.902269	24.599559
269469.848	206636.963	304660.847	212487.435	398969.521	406918.131	269293.12	256466.019
269469.848	206636.963	304660.847	212487.435	398969.521	406918.131	269293.12	256466.019
10288.2855	9395.22468	8185.59419	9290.9078	10416.37	9491.976	6638.97313	9036.28704
384567.07	352901.992	310492.089	348760.216	388898.437	357524.141	252573.179	340972.632
0.09		0.05					0.01
-325220.07	-257918.31	-349888.33	-262547.71	-454746.29	-458196.61	-305699.17	-305488.1
-332001.9	-266501.63	-360818.82	-262757.59	-454746.29	-458202.54	-307440.92	-306308.33
14.32	17.79	13.59	16.88	13.67	15.49	14.63	15.47
90603.0527	78935.2149	78703.3073	87359.0357	103722.44	103454.086	72523.5904	84620.0596
1.25	1.16	1.34	1.08	1.09	1.35	1.33	1.51
28911.9	26830.2432	30993.5568	24979.8816	25211.1768	31224.852	30762.2616	34925.5752
472826.871	435681.409	391038.777	423942.67	469886.388	440032.755	320423.024	425494.31
472826.871	435681.409	391038.777	423942.67	469886.388	440032.755	320423.024	425494.31
381411.626	351377.4	309417.548	342860.811	382127.797	351359.558	248926.821	335662.442
10389.426	9526.792	8307.988	9294.922	10416.37	9492.106	6658.29	9052.638
28911.9	26830.2432	30993.5568	24979.8816	25211.1768	31224.852	30762.2616	34925.5752
472826.871	435681.409	391038.777	423942.67	469886.388	440032.755	320423.024	425494.31
6753.1269	6192.4148	5400.1922	6041.6993	6770.6405	6169.8689	4327.8885	5884.2147
0.16	0.19	0.08	0.01		0.01	0.02	
7.2	4.2	3.6	6	6.75	4.35	3.75	4.05
0.237137	0.130503	0.120067	0.157906	0.177358	0.135744	0.155547	0.13566
0.225	0.126458	0.117244	0.15494	0.170684	0.131684	0.148947	0.130951
19447.6917	5597.03208	6650.47801	15799.117	48475.6627	27341.9551	9965.11654	5053.25958
63.367259	20.6308	24.970665	46.58934	128.492159	76.089384	32.601004	18.026791
1108.8	594.86	577.78	728.84	802.9	678.44	633.92	674.66
0.034943	0.042113	0.035767	0.02494	0.029464	0.036141	0.02444	0.027907
16632	8922.9	8666.7	10932.6	12043.5	10176.6	9508.8	10119.9
61841.371	45448.0544	36478.2775	49929.771	63389.1021	54165.7193	46015.6099	65269.0352
2.307142	1.655911	1.084522	1.966753	2.414258	1.467099	1.268779	1.720003
8907.30513	2457.38501	2418.69998	4091.73052	9255.82898	5419.05547	2845.81161	1221.7379
4755.8	4505.9	4751.74	4586.68	4565.4	4965.8	4151.98	5008.22
13.510795	13.410416	13.499261	13.650833	13.5875	13.494021	13.657828	13.609293
4928	4704	4928	4704	4704	5152	4256	5152
14	14	14	14	14	14	14	14
1108.8	594.86	577.78	728.84	802.9	678.44	633.92	674.66
35.07544	25.080403	16.567015	29.717942	36.350724	22.132294	19.067425	26.264482
35.07544	25.080403	16.567015	29.717942	36.350724	22.132294	19.067425	26.264482
62124.871	45563.5544	36698.7775	50108.271	63578.1021	54239.2193	46099.6099	65437.0352
104947.542	73170.5175	130943.224	97546.6941	137093.577	133618.669	126508.573	106370.94

42822.6714	27606.9631	94244.4463	47438.4231	73515.4752	79379.4495	80408.9629	40933.9048
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152.95	109.9	104.67	129.34	137.81	102.92	106.74	99.32
42677.1793	39966.5223	30048.2995	34309.154	15102.4394	26897.2642	36134.4933	60383.7756
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3.15	1.770416	1.64142	2.169166	2.389583	1.843586	2.085263	1.833315
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62124.871	45563.5544	36698.7775	50108.271	63578.1021	54239.2193	46099.6099	65437.0352
62124.871	45563.5544	36698.7775	50108.271	63578.1021	54239.2193	46099.6099	65437.0352
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368379.295 347102.214 342960.251 264148.159 251387.49 248844.864 223180.084 313444.823

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413763.314 390219.287 385548.33 296196.616 283222.682 279984.999 250479.879 351941.736
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413763.314 390219.287 385548.33 296196.616 283222.682 279984.999 250479.879 351941.736

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3291.33826	3097.09745	2876.28262	3092.13646	2951.40289	3486.96439	2148.2045	2137.02474
3291.33826	3097.09745	2876.28262	3092.13646	2951.40289	3486.96439	2148.2045	2137.02474
160208.605	145565.182	131192.088	146478.968	167725.031	184410.403	95289.7831	98646.4601
160208.605	145565.182	131192.088	146478.968	167725.031	184410.403	95289.7831	98646.4601
3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327	3755.98545
172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501	171851.802
3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327	3755.98545
10.132083	10.418204	8.402563	7.5568	5.70331	5.765796	7.516162	10.206482
172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501	171851.802
172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501	171851.802
3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327	3755.98545
-172162.01	-166497.42	-131306.48	-117829.45	-97262.177	-105300.49	-99440.95	-171851.8
-172162.01	-166497.42	-131306.48	-117829.45	-97262.177	-105300.49	-99440.95	-171851.8
105482.265	90908.9583	92478.2089	102207.8	120114.509	124044.733	86675.9683	102003.557
3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327	3755.98545
3566.49327	3500.5167	2957.7024	2539.08498	1916.31244	2121.81307	2284.91327	3755.98545
172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501	171851.802
172162.012	166497.424	131306.479	117829.454	97262.1775	105300.489	99440.9501	171851.802
22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366	20476.3883
1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697	935884.821
22.124982	27.176201	16.756146	33.288447	31.345952	39.245751	21.932397	22.569697
1.106249	0.543524	0.335122	1.331537	0.313459	1.962287	1.535267	0.67709

22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366	20476.3883
63.810793	67.290083	60.673907	52.330899	41.885211	42.198352	49.14923	55.642359
1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697	935884.821
1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697	935884.821
22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366	20476.3883
-1114513.2	-1049384.1	-991007.15	-824653.2	-799597.38	-818540.75	-668390.7	-935884.82
-1114513.2	-1049384.1	-991007.15	-824653.2	-799597.38	-818540.75	-668390.7	-935884.82
0.28	0.1	0.17	0.22	0.06	0.24	0.75	0.24
421929.062	360653.684	370660.831	410294.516	480458.034	496178.933	346703.873	408014.226
22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366	20476.3883
22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366	20476.3883
1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697	935884.821
1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697	935884.821
11.224458	11.186483	11.38175	11.237553	11.120839	11.272371	11.486208	11.3336
0.455175	0.40462	0.359684	0.412197	0.447915	0.389414	0.35652	0.377331
0.437123	0.389724	0.346809	0.396657	0.430454	0.373645	0.341189	0.363857
5381402.07	4188012.8	4403687.58	4926208.99	7293056.11	6750749.62	3987752.51	4669796.23
2777073.35	2173760.22	1998487.47	2767076.36	4057445.46	3614893.18	1809285.92	2441976.32
9202.33323	8012.50508	7577.91717	8944.50857	11186.0886	10613.5512	6317.17852	8797.97529
-26536.112	-20228.738	-26555.821	-36186.398	-52946.397	-58038.866	-33658.44	-32372.706
0.035056	0.03359	0.0351	0.036369	0.035676	0.035019	0.037828	0.032895
624642.519	529442.788	499977.356	540229.456	583275.61	559316.269	428024.847	546064.551
1324999.35	1153600.53	1035955.02	1160630.54	1345436.93	1243557.98	976695.895	1285023.2
3.453756	3.530987	3.454112	3.500118	3.606779	3.527716	3.524422	3.602114
868485.495	801936.893	757253.169	795769.904	853330.418	841768.547	628058.131	818328.185
90236.7554	27772.1446	29237.2677	56163.7758	92618.1649	66009.7445	37147.5917	24786.3677
124126.99	118695.386	124494.296	118711.39	118725.012	129630.873	106686.591	130023.839
352.633494	353.260077	353.676977	353.307708	353.34825	352.257807	350.942733	353.325649
129219.2	123345.6	129219.2	123345.6	123345.6	135092.8	111598.4	135092.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
56484.754	48070.752	44814.504	48925.992	53094.68	50476.874	38076.162	49154.462
287.994868	280.113056	222.37339	299.525828	325.138552	245.42361	295.724959	255.035473
40.721609	41.261467	41.116782	41.214514	42.063807	41.56873	42.252688	42.590623
2368701.98	2098429.46	1932161.83	2102859.47	2354723.64	2238646.19	1731314.69	2256983.86
4025945.73	3340710.98	4125602.73	3569763.46	4791733.68	4746051.36	3674294.24	3838599.96
105482.265	90908.9583	92727.5407	102695.572	120114.509	124044.733	86675.9683	102003.557
1657243.74	1242281.52	2193440.9	1466903.99	2437010.03	2507405.18	1942979.55	1581616.1

5140458.95	4390095.09	5116609.88	4394416.66	5591331.06	5564592.12	4342684.93	4774484.78
1653.92	1446.06	1440.1	1486.34	1563.35	1515.67	1270.8	1458.92
365294.054	454718.626	377855.6	225536.84	63477.1062	137122.76	298867.816	456297.951
38.007948	34.911547	35.933809	35.682419	43.875413	40.276553	34.630909	34.828813
816685.259	572170.183	488663.131	928638.755	1804387.52	1561119.87	420636.427	689559.223
258.49	242.11	274.75	274.71	310.53	334.35	249.56	288.17
209.688476	188.624051	185.237709	247.003345	294.107874	291.012782	226.864092	206.239124
6.669454	6.030364	6.579205	8.039687	10.31108	10.420728	8.188651	7.455407
32,472	26,843	32,600	39,471	53,602	59,331	37,545	37,995
586156.858	783519.5	1210187.52	405614.91	111952.458	384141.122	782345.08	803000.796
3.690788	3.590901	2.925075	2.835555	1.198888	1.188998	2.099998	2.415989
5,936	6,615	6,045	3,285	656	1,292	3,886	5,622
47.0036	40.798806	32.411965	44.869673	56.418709	43.580681	32.94751	38.374562
46.899613	40.724707	32.275159	44.859991	56.404988	43.580118	32.911064	38.352322
-26536.112	-20228.738	-26555.821	-36186.398	-52946.397	-58038.866	-33658.44	-32372.706
-75.386681	-60.204578	-75.442673	-107.69761	-157.57856	-157.71431	-110.71855	-87.96931
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-27.123756	-23.463089	-15.522631	-27.947456	-35.891238	-29.525253	-17.957977	-23.4597
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73010.2102	64065.5542	60127.0835	63224.3075	66512.2823	64713.4885	49131.2858	64008.4246
1960388.1	1601590.04	1509824.34	1838437.61	2253057.95	2053773.3	1388649.49	1752417.1
2609645.1	1896347.17	1219239.53	2634651.8	4056448.69	3424803.68	1376382.26	2152295.31
2840173.5	1684997.86	497715.134	3157675.64	5748883.75	4601782.44	1014673.61	2038853.74
916045.158	751236.598	766324.836	862772.922	1024996.45	1029202.62	725379.545	843315.689
5.12	4.8	5.48	5.06	5.24	4.96	6.32	4.54
43985.1615	42578.1475	45374.2551	39704.2745	39035.3137	48089.7012	44286.4442	48969.4795
8006287.8	6523094.12	6558861.56	7263832.32	9898889.46	9237568.36	5903424.84	7168250.42
8006287.8	6523094.12	6558861.56	7263832.32	9898889.46	9237568.36	5903424.84	7168250.42
2193484.84	1955537.42	1793208.19	1956400.45	2198767.35	2085326.53	1604754.03	2103351.39
78946.1534	70680.22	66171.7196	66509.1744	67168.1111	66005.8676	53017.528	69630.8503
43985.1615	42578.1475	45374.2551	39704.2745	39035.3137	48089.7012	44286.4442	48969.4795
8006287.8	6523094.12	6558861.56	7263832.32	9898889.46	9237568.36	5903424.84	7168250.42
131231.977	100313.888	93579.3906	106754.744	116920.981	105229.954	82274.2175	104662.995
22461.3994	22609.468	21357.2156	17583.1824	14073.4311	15528.9936	14941.366	20476.3883
1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697	935884.821
1114513.23	1049384.11	991007.148	824653.198	799597.381	818540.755	668390.697	935884.821

2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06
45.547503	46.478273	66.083543	61.579783	50.789513	46.191923	47.787013	47.411693
20.680513	20.680565	20.725787	20.725799	20.725875	20.725799	20.725812	20.725837
45.420695	46.351465	65.957665	61.453905	50.663635	46.066045	47.661135	47.285815
45.518239	46.449009	66.054494	61.550734	50.760464	46.162874	47.757964	47.382644
44.786653	45.717423	65.328276	60.824516	50.034246	45.436656	47.031746	46.656426
45.069533	46.000303	65.60908	61.10532	50.31505	45.71746	47.31255	46.93723
45.49873	46.4295	66.035128	61.531368	50.741098	46.143508	47.738598	47.363278
45.537748	46.468518	66.07386	61.5701	50.77983	46.18224	47.77733	47.40201
25.665057	25.665057	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358
1.59	1.59	1.64	1.64	1.64	1.64	1.64	1.64
45.23536	46.16613	65.77369	61.26993	50.47966	45.88207	47.47716	47.10184
6.914022	7.808756	7.735353	7.828369	6.900012	6.197728	5.787219	5.767876
34.788671	35.48375	48.599603	45.604848	38.333978	35.210388	36.239574	35.98775
34.788671	35.48375	48.599603	45.604848	38.333978	35.210388	36.239574	35.98775

0.41682	0.27788	0.6947	0.6947	0.55576	0.27788	0.55576	0.27788
0.007335	0.003611	0.010502	0.011662	0.003413	0.003294	0.008638	0.005
0.006984	0.003611	0.010454	0.011613	0.003359	0.00308	0.007645	0.005
1472.42493	3049.36542	13970.6552	9396.06218	199.609275			3547.87269
4.680108	8.266391	38.983473	26.834714	0.61373			9.55275
52.8	26	82.8	87.8	25.4	24.4	57.8	37.8
0.039761	0.029468	0.024715	0.032351	0.027321	0.027045	0.02863	0.028422
733.6032	361.244	1150.4232	1219.8932	352.9076	339.0136	803.073199	525.1932
18827.9682	9271.34796	30116.1909	31934.8015	9238.54165	8874.81954	21023.1381	13748.6958
0.816751	0.544501	1.388417	1.388417	1.110734	0.555367	1.110734	0.555367
1144.42099	563.54064	1829.17289	1939.63019	561.123084	539.031624	1276.88639	835.057188
7259.4	6987.825	7724.25	7315.425	7353.45	7705.8	7343.55	7345.125
21.605357	21.836953	21.943892	21.772098	21.885267	21.891477	21.855803	21.860491
7560	7200	7920	7560	7560	7920	7560	7560
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
52.8	26	82.8	87.8	25.4	24.4	57.8	37.8
11.438199	7.600375	19.442393	19.477223	15.705978	7.751889	15.854483	7.7542
11.438199	7.600375	19.442393	19.477223	15.705978	7.751889	15.854483	7.7542
20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429
23985.2944	12039.3859	37742.8476	42580.0371	11714.9951	11505.3629	33755.8792	20012.9308
3889.27649	2154.90215	5614.77228	8539.17978	1841.88066	2043.28779	11310.3932	5360.98787
23985.2944	12039.3859	37742.8476	42580.0371	11714.9951	11505.3629	33755.8792	20012.9308
8.94	6.26	12.57	16.87	9.53	6.68	6.2	6.26
18623.593	6835.11837	18157.42	24644.7952	9673.50516	9462.07506	22445.486	11104.0702
22256.4511	8276.94382	20845.1384	30766.4698	11500.9605	11505.3629	33755.8792	14908.9901
0.588144	0.344248	0.939978	0.951161	0.788736	0.4	0.8	0.385907
48.953031	17.969541	46.728411	63.570442	24.884618	24.4	57.8	28.639555
381.222447	383.797065	396.392853	391.740819	395.165967			391.243374
7.624448	7.675941	19.819642	15.669632	7.903319			7.824867
52.8	26	82.8	87.8	25.4	24.4	57.8	37.8
0.157142	0.08125	0.235227	0.261309	0.075595	0.069318	0.172023	0.1125
3889.27649	2154.90215	5614.77228	8539.17978	1841.88066	2043.28779	11310.3932	5360.98787
3889.27649	2154.90215	5614.77228	8539.17978	1841.88066	2043.28779	11310.3932	5360.98787
3.846968	8.030458	36.071588	24.229557	0.515381			9.160444
1472.42493	3049.36542	13970.6552	9396.06218	199.609275			3547.87269
0.66	0.27	1.03	0.8	0.39	0.32	0.32	0.21
-3889.2765	-2154.9021	-5614.7723	-8539.1798	-1841.8807	-2043.2878	-11310.393	-5360.9879
-26145.728	-10431.846	-26459.911	-39305.65	-13342.841	-13548.651	-45066.272	-20269.978
0.03	0.08	0.55	0.17	0.01			0.05
816.6671	473.893	1478.412	1512.6708	397.5835	335.7081	794.9445	632.2629
0.04	0.01	0.05	0.03	0.03	0.01	0.05	0.01
46.5408	11.6352	59.3395	35.6037	35.6037	11.8679	59.3395	11.8679
20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429
20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429
19972.3892	9834.8886	31945.3638	33874.4316	9799.66474	9413.85116	22300.0245	14583.753

52.8	26	82.8	87.8	25.4	24.4	57.8	37.8
46.5408	11.6352	59.3395	35.6037	35.6037	11.8679	59.3395	11.8679
20096.018	9884.4838	32128.0753	34040.8573	9873.11444	9462.07506	22445.486	14651.9429
77.087999	37.96	123.372	130.822	37.846	36.356	86.122	56.322
2.91989	3.10827	4.426929	4.99207	4.709499	4.05017	3.202459	4.14436
0.160129	0.173706	0.238506	0.23251	0.29104	0.184665	0.220634	0.222144
0.152113	0.167687	0.232414	0.222113	0.28116	0.178863	0.214583	0.217113
143647.311	210795.572	394688.435	291329.658	184382.673	100164.111	98287.4071	188063.159
468.182214	589.864515	1111.27398	868.930714	595.505323	357.92966	360.793645	581.026683
2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1
0.037857	0.029218	0.025994	0.036785	0.033065	0.026988	0.029851	0.027172
27921.4952	29314.5653	44692.9666	40770.5183	51609.1499	34395.1739	39388.3742	39852.7309
172121.635	184045.095	363151.39	279279.914	187963.953	216572.484	169604.038	183776.03
2.179548	2.069723	3.183402	3.764684	2.228958	2.851091	1.4662	2.196284
20894.9322	28697.2318	42969.1201	37193.5106	42754.4255	14976.7533	20187.6461	33378.4675
18750.24	18017.7	19885.3	18771.12	18843.62	19865	18906.26	18958.46
55.804285	56.305312	56.492329	55.866428	56.082202	56.434659	56.26863	56.423988
19488	18560	20416	19488	19488	20416	19488	19488
58	58	58	58	58	58	58	58
2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1
24.022207	22.96799	34.956477	41.012836	26.393309	31.420911	17.403406	25.377351
24.022207	22.96799	34.956477	41.012836	26.393309	31.420911	17.403406	25.377351
202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532
411795.832	418690.653	814346.751	659633.341	573672.402	456947.179	605173.831	515246.003
209207.596	202670.377	401482.152	335080.273	328418.721	202146.339	391773.65	287177.471
411795.832	418690.653	814346.751	659633.341	573672.402	456947.179	605173.831	515246.003
96.77	101.71	201.03	178.77	167.33	137.89	133.25	136.57
58940.9251	5224.70403	18176.1649	33223.41	60871.0075	154636.728	115112.774	40005.3728
119071.37	9504.54465	33035.6428	60123.2757	138067.237	274023.875	339228.483	77094.6925
8.194678	2.90707	5.540346	8.975262	12.565514	17.369273	13.691485	9.735184
745.998833	65.541304	183.018001	379.765122	940.091778	2061.62232	2038.51026	687.362076
84.399552	82.495323	84.008621	88.557134	65.229345	76.810109	54.307397	62.376403
23.47923	23.915936	37.790639	45.16028	26.653063	31.395043	16.747479	26.089821
2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1
8.822559	9.725875	13.480056	12.882559	16.307321	10.37409	12.445833	12.592559
209207.596	202670.377	401482.152	335080.273	328418.721	202146.339	391773.65	287177.471
209207.596	202670.377	401482.152	335080.273	328418.721	202146.339	391773.65	287177.471
2218.38117	3046.7387	4561.962	3948.77488	4539.16822	1590.05768	2143.28974	3543.73792
143647.311	210795.572	394688.435	291329.658	184382.673	100164.111	98287.4071	188063.159
4.93	1.08	2.07	3.79	4.18	10.22	4.47	4.92
-209207.6	-202670.38	-401482.15	-335080.27	-328418.72	-202146.34	-391773.65	-287177.47
-328278.97	-212174.92	-434517.79	-395203.55	-466485.96	-476170.21	-731002.13	-364272.16
4.27	11.18	14.46	10.15	2.99	2.67	1.84	8.73
15539.2137	19219.9255	28988.2786	24783.4493	28976.203	17404.3185	19500.5215	23189.7665
0.43	0.43	0.67	0.47	0.56	0.46	0.56	0.53
229.9253	229.9253	365.418	256.338	305.424	250.884	305.424	289.062

202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532
202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532
172121.635	184045.095	363151.39	279279.914	187963.953	216572.484	169604.038	183776.03
2964.38	3112.28	4744.98	4328.54	5479.26	3651.68	4181.8	4231.1
229.9253	229.9253	365.418	256.338	305.424	250.884	305.424	289.062
202588.237	216020.276	412864.6	324553.068	245253.681	254800.84	213400.182	228068.532
30236.676	31745.256	49347.792	45016.816	56984.304	37977.472	43490.72	44003.44
1.36	0.18	0.63	1.02	1.56	3.97	1.82	1.66
11.236515	11.198566	11.06532	11.09045	11.086844	11.163365	11.227218	11.147092
0.567875	0.590065	0.655157	0.636002	0.631254	0.592572	0.566096	0.605705
0.544689	0.572066	0.635256	0.609493	0.610315	0.568659	0.547384	0.583486
816151.6	830198.759	1029213.39	927997.493	847966.171	863985.012	779096.904	874381.737
2711.87446	2326.19016	2921.00643	2815.93389	2777.77808	3146.26177	2902.23628	2849.46781
20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698
0.042321	0.031968	0.029857	0.040357	0.034345	0.040795	0.035505	0.0375
224221.804	223560.05	270333.054	248274.133	248707.969	244264.917	225392.994	238735.961
356980.49	355725.244	445200.676	408499.67	407196.745	401314.984	368966.668	391792.084
3.5618	3.5618	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364
442120.553	440815.707	539692.908	495654.478	496520.589	487650.48	449974.574	476612.472
35717.58	34384.47	37905.39	35790.84	36015.06	37478.04	35971.77	35897.4
106.302321	107.451468	107.685767	106.520357	107.187678	106.471704	107.058839	106.8375
37296	35520	39072	37296	37296	39072	37296	37296
111	111	111	111	111	111	111	111
20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698
42.58599	42.294508	42.582653	42.744556	42.806782	43.043081	43.384692	43.019719
41.97903	41.844567	42.228829	42.318368	42.317496	42.587126	42.824954	42.530422
848574.954	843447.759	1041520.55	958080.118	957599.324	941971.804	868450.175	920498.024
1357524.91	1350083.62	2211939.42	1891776.52	1560312.7	1414135.09	1456850.55	1410208.48
508949.96	506635.862	1170418.87	933696.399	602713.372	472163.291	588400.378	489710.454
1357524.91	1350083.62	2211939.42	1891776.52	1560312.7	1414135.09	1456850.55	1410208.48
321.78	309.77	341.49	322.44	324.46	337.64	324.07	323.4
22733.8336	6136.48024	5262.11314	21565.4757	101221.153	69364.4919	80625.8204	37493.9872
37355.8551	11571.605	7101.2372	40968.8347	196767.065	156552.182	195893.709	89850.6873
6.537908	1.063299	4.699679	11.418694	20.123531	16.48022	16.884073	11.437472
584.939182	159.566627	134.334119	551.398109	2571.01104	1733.38719	2037.74598	961.506786
29.977149	33.821624	43.51573	41.895693	31.894631	28.992052	24.441817	29.893939
29.969107	33.144774	40.467191	41.883165	31.797923	28.974534	24.398656	29.879605
20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698
60.460541	63.499362	70.513471	67.653833	67.74497	63.121255	60.759642	64.766958
391749.223	389781.023	1029115.79	803923.51	472713.716	344486.019	470587.46	364923.167
391749.223	389781.023	1029115.79	803923.51	472713.716	344486.019	470587.46	364923.167
19729.8028	20160.2294	24686.4079	22180.2899	20191.299	20485.2948	18377.494	20800.1912
816151.6	830198.759	1029213.39	927997.493	847966.171	863985.012	779096.904	874381.737
5.09	2.81	0.2	3.09	13.3	12.3	6.18	6.55
-508949.96	-506635.86	-1170418.9	-933696.4	-602713.37	-472163.29	-588400.38	-489710.45
-546305.82	-518207.47	-1177520.1	-974665.23	-799480.44	-628715.47	-784294.09	-579561.14

258.49	252.14	255.95	243.96	225.17	243.29	230.89	241.86
93769.3693	107994.696	117211.325	103581.092	96224.5624	89882.8403	84234.6893	96947.709
0.94	0.69	0.67	0.81	0.8	0.82	0.83	0.82
9689.52	7112.52	7045.05	8517.15	8412	8622.3	8727.45	8622.3
965775.691	960302.597	1182823.64	1087853.01	1087598.98	1069649.08	986263.093	1045285.31
965775.691	960302.597	1182823.64	1087853.01	1087598.98	1069649.08	986263.093	1045285.31
799101.043	796540.951	984893.585	904154.148	903717.334	888965.465	818941.241	868404.556
20314.742	20319.796	24820.742	22731.688	22762.31	22218.682	20415.24	21761.698
9689.52	7112.52	7045.05	8517.15	8412	8622.3	8727.45	8622.3
965775.691	960302.597	1182823.64	1087853.01	1087598.98	1069649.08	986263.093	1045285.31
39784.3907	39794.2885	49581.9142	45408.8199	45469.9905	44384.0392	40781.4834	43471.1679
3.87	1.12	1.97	3.56	17.68	14.17	14.84	6.04
0.45	0.3	0.75	0.75	0.75	0.3	0.6	0.3
0.005892	0.002943	0.007155	0.010274	0.00277	0.002986	0.008936	0.004851
0.005892	0.002687	0.00713	0.010089	0.002619	0.002926	0.008571	0.004851
122.383607	292.287687	1034.29205	1020.27188				430.113092
0.389517	0.801789	2.901651	2.896198				1.134513
5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89
0.027559	0.027531	0.028409	0.025892	0.023958	0.025909	0.021041	0.026547
89.1	38.7	112.95	152.55	39.6	46.35	129.6	73.35
2286.75661	993.237717	2956.84559	3993.50858	1036.66299	1213.36691	3392.71526	1920.18259
0.81589	0.543927	1.385482	1.385482	1.385482	0.554193	1.108386	0.554193
136.43883	59.26131	172.960334	233.599815	60.63948	70.975754	198.456479	112.320855
980.22	933.57	1026	981.9	983.85	1028.64	986.79	981.24
2.917321	2.917406	2.914772	2.922321	2.928125	2.922272	2.936875	2.920357
1008	960	1056	1008	1008	1056	1008	1008
3	3	3	3	3	3	3	3
5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89
12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897
12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897
2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345
2819.0573	1264.70833	3698.97275	5180.47148	1277.74038	1543.93519	5258.6517	2685.6439
395.861862	212.209301	569.166827	953.363081	180.437905	259.592516	1667.47996	653.140454
2819.0573	1264.70833	3698.97275	5180.47148	1277.74038	1543.93519	5258.6517	2685.6439
1.98	0.86	2.51	3.39	0.88	1.03	2.88	1.63
2300.81183	760.211339	2095.51387	3206.83651	1097.30247	1284.34267	3591.17174	1602.39035
2678.33055	903.243247	2461.79999	3940.10805	1277.74038	1543.93519	5258.6517	2071.292
0.09	0.05949	0.149554	0.149344	0.15	0.06	0.12	0.059242
5.64	1.863512	5.041596	7.715327	2.64	3.09	8.64	3.85519
	407.945359	415.644876	415.644876				415.644876
	4.079453	4.156448	12.469346				8.312897
5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89
0.017678	0.008062	0.021392	0.030267	0.007857	0.008778	0.025714	0.014553
395.861862	212.209301	569.166827	953.363081	180.437905	259.592516	1667.47996	653.140454
395.861862	212.209301	569.166827	953.363081	180.437905	259.592516	1667.47996	653.140454

0.3	0.716487	2.488403	2.454672				1.034809
122.383607	292.287687	1034.29205	1020.27188				430.113092
-395.86186	-212.2093	-569.16683	-953.36308	-180.43791	-259.59252	-1667.48	-653.14045
-3074.1924	-1115.4525	-3030.9668	-4893.4711	-1458.1783	-1803.5277	-6926.1317	-2724.4325
614.4711	316.699	893.5768	1175.7366	274.6867	287.8963	801.5057	549.2246
0.62	0.29	0.42	1.13	0.49	0.23	0.31	0.36
2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345
2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345
2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345
5.94	2.58	7.53	10.17	2.64	3.09	8.64	4.89
2423.19544	1052.49903	3129.80592	4227.1084	1097.30247	1284.34267	3591.17174	2032.50345
11.990516	11.904704	11.682318	11.733291	11.720086	11.838471	11.947903	11.836056
0.60464	0.639545	0.706626	0.680392	0.690252	0.642629	0.616222	0.654242
0.574934	0.613693	0.675336	0.64417	0.666646	0.609951	0.58768	0.628073
273395.516	275913.152	336757.627	307791.278	317653.559	307749.198	284612.246	301854.8
909.251907	773.206227	956.38048	936.916457	1044.33968	1123.46975	1063.36606	986.996481
8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4
0.049613	0.040781	0.047215	0.055119	0.035029	0.049971	0.044642	0.040833
97060.0857	97956.1802	116786.347	106829.089	110488.879	106886.296	98997.7256	104877.526
154527.002	155869.642	192259.709	175669.736	181005.646	175660.546	162354.824	172228.179
2.706	2.706	2.763499	2.7635	2.7635	2.763499	2.763499	2.7635
108319.056	109319.097	131209.461	120022.481	124134.256	120086.753	111223.945	117829.9
13731.19	13198.85	14421.34	13651.64	13941.89	14379.63	13803	13858.04
40.866636	41.246406	40.969715	40.62988	41.49372	40.851221	41.080357	41.244166
14448	13760	15136	14448	14448	15136	14448	14448
43	43	43	43	43	43	43	43
8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4
34.460122	34.094177	34.214578	34.546905	34.312204	34.791661	35.092853	34.694347
33.713046	33.480025	33.572035	33.711101	33.692388	34.004662	34.316861	34.004276
278595.435	280246.418	342061.546	313875.185	322549.049	314145.1	289972.74	306690.725
522805.161	528253.106	868808.392	741632.791	616172.45	557564.229	557993.782	560976.068
244209.726	248006.687	526746.846	427757.606	293623.401	243419.129	268021.042	254285.343
522805.161	528253.106	868808.392	741632.791	616172.45	557564.229	557993.782	560976.068
319.33	306.95	335.38	317.48	324.23	334.41	321	322.28
				7.565711		4.575951	
				8.201442		7.089785	
				0.124188		0.03986	
				0.247086		0.15678	
25.988733	31.397658	37.781294	47.120593	32.116494	22.615369	25.449871	32.371064
5.197746	8.163391	6.800633	11.308942	7.381025	6.332303	6.871465	7.121634
8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4
24.722202	26.388812	29.03946	27.699315	28.665803	26.227926	25.270267	27.007142
193476.419	196804.992	465702.623	371918.041	235870.864	187549.662	216274.931	199465.86
193476.419	196804.992	465702.623	371918.041	235870.864	187549.662	216274.931	199465.86

8306.66	8444.42	10221.89	9306.97	9631.46291	9232.23	8490.65322	9074.4
273395.516	275913.152	336757.627	307791.278	317653.559	307749.198	284612.246	301854.8
-244209.73	-248006.69	-526746.85	-427757.61	-293623.4	-243419.13	-268021.04	-254285.34
-244209.73	-248006.69	-526746.85	-427757.61	-293631.6	-243419.13	-268028.13	-254285.34
2.41	3.28	1.75	2.91	3.05	3.36	2.93	2.14
92354.129	106302.437	113692.169	100274.587	95513.4866	87879.5002	83006.599	96069.0961
1.02	0.85	1.02	1.17	0.94	1.23	1.03	0.93
5199.9192	4333.266	5303.9184	6083.9064	4887.9248	6395.9016	5355.9176	4835.9256
329328.742	331448.114	403105.769	369714.749	380301.586	370014.566	341718.851	361510.208
329328.742	331448.114	403105.769	369714.749	380301.586	370014.566	341718.851	361510.208
262846.058	265188.739	323469.17	295692.217	305139.901	295747.299	273578.769	290058.08
8306.66	8444.42	10221.89	9306.97	9631.71	9232.23	8490.81	9074.4
5199.9192	4333.266	5303.9184	6083.9064	4887.9248	6395.9016	5355.9176	4835.9256
329328.742	331448.114	403105.769	369714.749	380301.586	370014.566	341718.851	361510.208
10549.4582	10724.4134	13288.457	12099.061	12521.223	12001.899	11038.053	11796.72
0.45	0.3	0.75	0.75	0.75	0.3	0.6	0.3
0.005892	0.002892	0.00713	0.010075	0.002678	0.002926	0.008883	0.004812
0.005892	0.002843	0.00713	0.009523	0.002678	0.002926	0.007797	0.004642
122.383607	252.62526	1009.16036	918.243465				388.192082
0.389517	0.701104	2.829229	2.602878				1.016293
5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68
0.028184	0.027687	0.023977	0.034375	0.032172	0.027727	0.019642	0.036458
89.1	40.95	112.95	144	40.5	46.35	117.9	70.2
2286.75661	1050.9841	2956.84559	3769.68362	1060.22352	1213.36691	3086.42846	1837.72076
0.81589	0.543927	1.385482	1.385482	1.385482	0.554193	1.108386	0.554193
136.43883	62.706734	172.960334	220.5072	62.01765	70.975754	180.540269	107.49726
979.59	933.42	1030.68	973.35	975.57	1026.72	988.2	971.25
2.915446	2.916937	2.928068	2.896875	2.903482	2.916818	2.941071	2.890625
1008	960	1056	1008	1008	1056	1008	1008
3	3	3	3	3	3	3	3
5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68
12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897
12.23836	8.158907	20.782243	20.782243	20.782243	8.312897	16.625795	8.312897
2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802
2819.0573	1336.46893	3698.97275	4888.15172	1311.43669	1543.93519	4734.61852	2584.79992
395.861862	222.778099	569.166827	897.960907	189.195524	259.592516	1467.64979	639.581895
2819.0573	1336.46893	3698.97275	4888.15172	1311.43669	1543.93519	4734.61852	2584.79992
1.98	0.91	2.51	3.2	0.9	1.03	2.62	1.56
2300.81183	861.06557	2120.64556	3071.94735	1122.24117	1284.34267	3266.96873	1557.02594
2678.33055	1021.46824	2497.16224	3770.71672	1311.43669	1543.93519	4734.61852	2018.3447
0.09	0.059689	0.149788	0.149023	0.15	0.06	0.12	0.05932
5.64	2.110737	5.102061	7.390798	2.7	3.09	7.86	3.746048
	407.945359	415.644876	438.88072				415.644876
	4.079453	4.156448	13.166421				4.156448

5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68
0.017678	0.008531	0.021392	0.028571	0.008035	0.008778	0.023392	0.013928
395.861862	222.778099	569.166827	897.960907	189.195524	259.592516	1467.64979	639.581895
395.861862	222.778099	569.166827	897.960907	189.195524	259.592516	1467.64979	639.581895
0.3	0.619262	2.427938	2.209201				0.933951
122.383607	252.62526	1009.16036	918.243465				388.192082
0.01	0.01	0.02	0.12	0.04		0.39	0.11
-395.86186	-222.7781	-569.16683	-897.96091	-189.19552	-259.59252	-1467.6498	-639.5819
-3074.1924	-1244.2463	-3066.3291	-4668.6776	-1500.6322	-1803.5277	-6202.2683	-2657.9266
			0.02				
614.4711	332.1906	893.5768	1110.193	281.2482	287.8963	722.5466	527.2303
0.62	0.32	0.42	1.07	0.49	0.23	0.29	0.34
2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802
2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802
2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802
5.94	2.73	7.53	9.6	2.7	3.09	7.86	4.68
2423.19544	1113.69083	3129.80592	3990.19082	1122.24117	1284.34267	3266.96873	1945.21802
3.717102	3.996687	5.853037	6.874858	6.616411	5.132667	4.033043	5.577346
0.121815	0.133497	0.176518	0.175765	0.258865	0.124364	0.188	0.165971
0.117773	0.13115	0.169869	0.172738	0.251976	0.12184	0.182845	0.15997
52479.4243	114925.652	209425.891	134227.218	82450.1044	26482.7234	29862.3948	75679.1783
170.795082	317.465816	584.309305	395.638319	267.154798	95.116796	110.054163	228.318874
1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5
0.035223	0.034718	0.035127	0.033824	0.026741	0.02723	0.026517	0.037872
28649	30337.6	43274.5	41968.4	61420	30900	44534.6	38924.3
167552.947	164288.507	331491.286	243722.888	196487.953	171624.913	184916.52	159549.992
1.409039	1.538498	2.46995	3.028054	1.867636	2.348524	1.156556	1.877282
11729.8373	22903.988	27851.7127	25490.6694	37108.7315	6687.12755	10308.3738	20972.4336
16183.5	15494.9	16924.6	16245.7	16396.5	17043.5	16340.7	16136.9
48.165178	48.421562	48.08125	48.350297	48.799107	48.419034	48.633035	48.026488
16800	16000	17600	16800	16800	17600	16800	16800
50	50	50	50	50	50	50	50
1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5
38.504569	39.899851	66.53908	85.030913	51.487988	61.207249	35.692284	50.733508
20.269188	22.109246	35.589219	43.467862	26.951481	33.514432	16.774597	27.087519
168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847
303196.084	294427.454	562592.36	465128.789	446334.804	293872.449	475356.27	368744.163
135067.968	129443.816	229901.696	220595.083	248382.369	121655.652	289326.358	208338.317
303196.084	294427.454	562592.36	465128.789	446334.804	293872.449	475356.27	368744.163
137.42	140.13	277.51	304.63	297.92	229.22	206.36	193.46
115648.692	50057.9868	123264.773	110306.488	115502.33	145734.073	156167.517	84726.6683
208680.653	85486.9119	202615.116	197663.937	248713.84	244118.845	409275.667	176746.027
4.510953	3.099104	6.175854	7.61814	8.066917	7.090856	5.770827	6.081307
1155.92033	496.465759	1033.94557	1115.99519	1650.95355	1669.19472	2349.88405	1221.89848
101.707861	99.193426	108.042613	113.49263	80.944145	109.567393	74.754989	88.300654
22.35831	25.728606	42.006866	51.071683	32.35671	31.774543	19.434679	32.424988

1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5
5.88869	6.5575	8.493465	8.636904	12.598809	6.092045	9.142261	7.998511
135067.968	129443.816	229901.696	220595.083	248382.369	121655.652	289326.358	208338.317
135067.968	129443.816	229901.696	220595.083	248382.369	121655.652	289326.358	208338.317
822.679667	1601.93424	1955.75443	1786.00481	2582.24645	475.205279	721.915951	1465.60152
52479.4243	114925.652	209425.891	134227.218	82450.1044	26482.7234	29862.3948	75679.1783
22.72	18.01	32.01	27.25	37.85	27.92	42.96	28.48
-135067.97	-129443.82	-229901.7	-220595.08	-248382.37	-121655.65	-289326.36	-208338.32
-343748.62	-214930.73	-432516.81	-418259.02	-497096.21	-365774.5	-698602.03	-385084.34
3.61	9.12	13.92	9.33	4.18	1.38	1.34	7.32
22231.5255	27422.3352	39082.8663	35184.8176	49031.1147	20902.6895	31115.4204	31625.229
0.13	0.28	0.61	0.17	0.45	0.16	0.41	0.28
113.517	227.932	494.758	145.086	394.066	155.612	353.79	210.536
168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847
168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847
167552.947	164288.507	331491.286	243722.888	196487.953	171624.913	184916.52	159549.992
1978.6	2098.4	2989.7	2902	4233.2	2144.4	3071.8	2687.5
113.517	227.932	494.758	145.086	394.066	155.612	353.79	210.536
168128.116	164983.639	332690.665	244533.706	197952.435	172216.797	186029.912	160405.847
461.651999	467.199999	704.621	665.732	1070.416	436.272	759.602	645.319
2.02	0.26	1.73	2.58	3.57	3.76	1.17	1.64
0.45	0.3	0.75	0.75	0.75	0.3	0.6	0.3
0.005863	0.002937	0.007118	0.010146	0.002722	0.002926	0.008813	0.00475
0.005863	0.002937	0.007073	0.009672	0.002559	0.002926	0.007857	0.004523
163.361743	315.447984	1251.45674	1192.15839				498.540053
0.51994	0.872259	3.501075	3.379614				1.299547
7.88	3.76	9.96	13	3.44	4.12	10.56	6.08
0.036755	0.036593	0.030284	0.025238	0.019761	0.021363	0.027916	0.030952
118.2	56.4	149.4	195	51.6	61.8	158.4	91.2
3033.60977	1447.50923	3911.04675	5104.7799	1350.8033	1617.82255	4146.65198	2387.46629
0.816808	0.544539	1.388577	1.388577	1.388577	0.555431	1.110862	0.555431
184.61658	88.09116	238.02408	310.674	82.20912	98.459759	252.36288	145.29984
1294.6	1233.16	1365.36	1310.08	1317.44	1377.92	1306.48	1302.4
3.852976	3.853625	3.878863	3.899047	3.920952	3.914545	3.888333	3.87619
1344	1280	1408	1344	1344	1408	1344	1344
4	4	4	4	4	4	4	4
7.88	3.76	9.96	13	3.44	4.12	10.56	6.08
12.25213	8.168087	20.828668	20.828668	20.828668	8.331467	16.662935	8.331467
12.25213	8.168087	20.828668	20.828668	20.828668	8.331467	16.662935	8.331467
3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613
3742.41779	1837.76918	4898.67604	6627.01089	1676.00198	2058.58025	6341.30663	3328.00758
524.191437	302.168792	749.605207	1211.55699	242.989559	342.297934	1942.29177	795.241451
3742.41779	1837.76918	4898.67604	6627.01089	1676.00198	2058.58025	6341.30663	3328.00758
1.97	0.94	2.49	3.25	0.86	1.03	2.64	1.52
3054.86461	1220.15241	2897.61409	4223.29551	1433.01242	1716.28231	4399.01486	2034.22608
3554.78212	1445.85591	3421.60564	5171.40335	1676.00198	2058.58025	6341.30663	2596.18331

0.12	0.074484	0.195072	0.197809	0.2	0.08	0.16	0.079366
7.48	2.987608	6.955831	10.138179	3.44	4.12	10.56	4.883235
469.352542	466.647123	422.798442	471.663265				536.69985
4.693525	9.332942	21.139922	18.86653				10.733997
7.88	3.76	9.96	13	3.44	4.12	10.56	6.08
0.023452	0.01175	0.028295	0.03869	0.010238	0.011704	0.031428	0.018095
524.191437	302.168792	749.605207	1211.55699	242.989559	342.297934	1942.29177	795.241451
524.191437	302.168792	749.605207	1211.55699	242.989559	342.297934	1942.29177	795.241451
0.4	0.772391	3.004168	2.86182				1.196764
163.361743	315.447984	1251.45674	1192.15839				498.540053
1.87	0.77	1.26	2.37	0.84	1.02	2.61	1.23
-524.19144	-302.16879	-749.60521	-1211.557	-242.98956	-342.29793	-1942.2918	-795.24145
-4078.9736	-1748.0247	-4171.2109	-6382.9603	-1918.9915	-2400.8782	-8283.5984	-3391.4248
0.1	0.17	0.35	0.62				0.29
611.6335	344.9176	886.5538	1126.5807	267.9521	287.8963	736.0713	513.4617
0.62	0.33	0.42	1.09	0.46	0.23	0.3	0.35
3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613
3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613
3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613
7.88	3.76	9.96	13	3.44	4.12	10.56	6.08
3218.22635	1535.60039	4149.07083	5415.4539	1433.01242	1716.28231	4399.01486	2532.76613
10.807471	10.75439	10.562549	10.608212	10.58835	10.688127	10.768561	10.673197
0.426457	0.457378	0.529889	0.503398	0.511975	0.471847	0.426521	0.474217
0.403293	0.437596	0.500051	0.474385	0.48668	0.447919	0.401631	0.449641
300720.916	309377.231	394104.474	358054.428	363814.11	353970.114	303967.949	339314.264
998.542737	868.046278	1118.9118	1088.56545	1193.0345	1289.90621	1134.03055	1103.96111
7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264
0.054404	0.049593	0.058096	0.059345	0.051636	0.060994	0.057976	0.058958
82658.6278	85011.4775	105764.017	96131.9511	98641.0333	95478.3328	82418.7185	91484.342
131656.859	135322.653	174666.197	158726.391	161337.637	157480.59	135021.021	150348.691
3.574699	3.5747	3.6495	3.649499	3.649499	3.6495	3.649499	3.649499
164052.579	168722.279	212532.791	193177.156	198219.156	191863.71	165620.415	183837.785
18618.392	17822.018	19428.83	18521.116	18672.89	19369.058	18548.072	18528.734
55.41188	55.693806	55.195539	55.122369	55.574077	55.025732	55.202595	55.145041
19689.6	18752	20627.2	19689.6	19689.6	20627.2	19689.6	19689.6
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264
46.217517	44.732882	44.858671	44.145114	43.869818	46.349881	44.715636	44.497512
39.280647	39.091314	39.208833	39.373016	39.314802	39.667771	39.968727	39.618011
334408.69	334358.592	428318.376	386944.025	395939.076	388327.685	331419.248	368428.696
613752.65	620419.854	1008304.21	864146.331	719478.283	682860.651	644195.382	643407.702
279343.96	286061.262	579985.833	477202.306	323539.208	294532.966	312776.134	274979.006
613752.65	620419.854	1008304.21	864146.331	719478.283	682860.651	644195.382	643407.702
317.72	304.13	331.55	316.06	318.65	330.53	316.52	316.19
149.970034	1.479365	5.342005	107.221833	2162.9855	1564.53741	1971.81925	803.899631
231.02017	2.260932	4.931692	206.931284	3841.83405	4323.36041	3526.05825	2109.70833

0.451002	0.042176	0.13	0.72718	2.706233	0.876687	1.564846	0.763292
4.18045	0.042176	0.13	2.879705	59.441219	43.825544	55.79981	22.428843
30.531498	33.191114	36.695397	44.326574	35.393843	34.319928	25.855677	32.936729
25.035584	23.23378	26.420686	34.129816	28.98496	26.426345	21.609794	25.027386
7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264
23.633005	25.643162	29.303034	27.798964	28.519464	26.248096	23.535595	26.349
236138.295	241625.763	524702.982	426954.135	271979.54	244626.442	269695.87	227160.14
236138.295	241625.763	524702.982	426954.135	271979.54	244626.442	269695.87	227160.14
7936.50955	8205.76982	10314.538	9337.57229	9523.09878	9195.50446	7852.16019	8830.83516
300720.916	309377.231	394104.474	358054.428	363814.11	353970.114	303967.949	339314.264
0.01			0.02	0.06		0.03	0.15
-279343.96	-286061.26	-579985.83	-477202.31	-323539.21	-294532.97	-312776.13	-274979.01
-279574.98	-286063.52	-579990.76	-477409.24	-327381.04	-298856.33	-316302.19	-277088.71
18.16	12.58	13.59	15.12	13.93	16.69	16.01	15.55
85716.489	98205.0114	104248.959	93208.8606	88294.3333	82140.3019	76927.3917	87923.0709
1.45	1.08	1.45	1.22	1.27	1.39	1.08	1.2
33537.804	24979.8816	34208.5601	28782.3747	29961.9802	32793.0335	25479.4792	28310.5325
377614.355	378794.091	483601.227	437192.195	447498.744	438234.209	374499.512	416247.562
377614.355	378794.091	483601.227	437192.195	447498.744	438234.209	374499.512	416247.562
295709.438	304044.932	387198.988	351903.547	359556.794	349344.3	300641.435	334186.477
7940.69	8205.812	10314.668	9340.452	9582.54	9239.33	7907.96	8853.264
33537.804	24979.8816	34208.5601	28782.3747	29961.9802	32793.0335	25479.4792	28310.5325
377614.355	378794.091	483601.227	437192.195	447498.744	438234.209	374499.512	416247.562
5161.4485	5333.7778	6910.82756	6258.10284	6420.3018	6190.3511	5298.3332	5931.68688
0.01		0.01	0.04	0.08	0.01	0.16	0.07
3.15	3.9	5.55	6.9	6.6	4.8	4.05	4.65
0.117532	0.128265	0.170115	0.168133	0.254793	0.118271	0.182335	0.160402
0.112827	0.125968	0.16696	0.164285	0.242857	0.114829	0.172023	0.156815
10366.5377	22380.4882	44834.6747	26254.9506	19119.9754	4314.91585	5260.90315	15810.0069
33.575127	61.307655	124.477874	77.311504	62.183656	15.49528	19.587897	47.894073
530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66
0.031785	0.028531	0.025823	0.026309	0.032559	0.031505	0.038244	0.027946
7961.1	8465.1	12341.7	11592	17136	8488.2	12138	11064.9
47455.2879	44735.7518	97815.5117	67750.638	55502.7779	46697.2906	51071.7429	44773.3333
1.163412	1.435089	2.342965	2.85884	1.722511	2.002857	1.126076	1.477848
2498.52319	5087.01165	5820.45297	5436.62704	9410.99219	1143.9646	2087.96576	5042.42188
4554.48	4352.18	4800.74	4580.24	4550.84	4772.74	4524.1	4572.54
13.555	13.600562	13.638465	13.631666	13.544166	13.55892	13.464583	13.60875
4704	4480	4928	4704	4704	4928	4704	4704
14	14	14	14	14	14	14	14
530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66
17.634891	21.860008	35.534898	43.042021	26.035771	30.144826	16.983055	22.388414
17.634891	21.860008	35.534898	43.042021	26.035771	30.144826	16.983055	22.388414
47549.7879	44914.2518	98162.0117	67855.638	55712.7779	46791.7906	51292.2429	44878.3333
84463.9534	79315.7229	162037.545	127213.281	123386.73	79025.0609	131080.003	103135.671

36914.1655	34401.4711	63875.5334	59357.6428	67673.9523	32233.2703	79787.7601	58257.3376
84463.9534	79315.7229	162037.545	127213.281	123386.73	79025.0609	131080.003	103135.671
61.97	83.72	146.74	166.46	153.22	122.57	105.16	106.47
37183.2502	22533.7636	53327.3369	41600.6873	36592.8025	42476.8747	46031.3398	29068.3265
66394.4074	38448.7532	87769.9563	74903.5502	78879.923	70581.7482	119613.366	61088.4358
2.471173	2.563538	4.559849	5.426748	5.013813	4.268027	3.461775	3.711309
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17.592638	20.440881	37.247485	44.29132	21.769918	22.611105	15.791301	23.577048
530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66
1.579583	1.763562	2.337443	2.3	3.4	1.607613	2.408333	2.195416
36914.1655	34401.4711	63875.5334	59357.6428	67673.9523	32233.2703	79787.7601	58257.3376
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166.568212	339.134109	388.030198	362.441802	627.399479	76.264306	139.197717	336.161458
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0.9	2.93	3.74	2.19	0.7	0.53	0.45	1.7
11528.9373	14449.758	20841.4977	18304.8768	25067.7071	11188.5818	15648.0234	16720.0991
0.09	0.17	0.33	0.1	0.2	0.09	0.21	0.1
94.5	178.5	346.5	105	210	94.5	220.5	105
47549.7879	44914.2518	98162.0117	67855.638	55712.7779	46791.7906	51292.2429	44878.3333
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47455.2879	44735.7518	97815.5117	67750.638	55502.7779	46697.2906	51071.7429	44773.3333
530.74	564.34	822.78	772.8	1142.4	565.88	809.2	737.66
94.5	178.5	346.5	105	210	94.5	220.5	105
47549.7879	44914.2518	98162.0117	67855.638	55712.7779	46791.7906	51292.2429	44878.3333
0.89	0.45	1.27	1.79	1.93	3.45	0.7	0.76
11.396193	11.345588	11.194896	11.241499	11.286294	11.285611	11.411653	11.298694
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1598641.86	1767500.58	2426290.05	2058181.76	1815586.2	1656666.07	1501087.81	1799967.86
5298.20061	4946.7222	6864.5753	6219.00974	5940.60976	6028.17947	5590.0686	5810.66815
42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072
0.038062	0.03371	0.033148	0.036674	0.031212	0.033341	0.032408	0.035503
469502.116	475142.267	594718.307	547277.534	588487.639	520906.433	504079.386	525699.703
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367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072

251.59235	237.935695	340.521908	372.392728	303.005009	279.666764	259.040938	253.422316
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145601.245	122071.181	208009.165	137949.417	177497.535	167782.401	136299.985	113264.37
145601.245	122071.181	208009.165	137949.417	177497.535	167782.401	136299.985	113264.37
19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686
876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437
13.468594	16.840028	50.30271	124.365433	7.611716	37.120852	22.783689	23.991804
0.269371	0.5052	0.503027	2.487308	0.076117	1.113625	1.594858	0.959672

19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686
57.420574	58.530627	61.50555	57.70094	63.908663	67.464588	60.525792	52.309132
876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437
876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437
19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686
-876438.32	-860950.44	-1408763.4	-1185433.3	-1092829.1	-1087331.1	-980453.85	-817541.44
-876438.32	-860950.44	-1408763.4	-1185433.3	-1092829.1	-1087331.1	-980453.85	-817541.44
0.21	0.21	0.05	0.23	0.11	0.33	0.42	0.36
404775.115	457829.113	493766.87	443699.723	409885.344	383220.456	360799.029	414416.648
19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686
19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686
876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437
876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437
11.396193	11.345588	11.194896	11.241499	11.286294	11.285611	11.411653	11.298694
0.356895	0.377098	0.433723	0.419338	0.444268	0.37936	0.37862	0.398732
0.341385	0.364172	0.418069	0.401335	0.428597	0.364395	0.364517	0.384278
4634358.09	5326932.17	8240413	6893402.45	5244120.02	4475319.84	4339424.73	5030689.13
2484502.14	3074068.01	3929683.07	3365992.44	2583618.57	2300811.77	2048778.24	2802662.94
8219.96994	8572.06992	11100.614	10138.132	8436.02509	8364.38899	7624.63641	8963.38417
-39792.094	-52947.359	-48391.093	-42034.395	-28132.425	-25730.21	-24950.356	-38743.036
0.038062	0.03371	0.033148	0.036674	0.031212	0.033341	0.032408	0.035503
469502.116	475142.267	594718.307	547277.534	588487.639	520906.433	504079.386	525699.703
1056729.31	1052749.97	1644525.7	1378452.01	1202180.94	1182270.18	1103583.75	1122362.37
3.533307	3.521604	3.842891	3.742376	3.425983	3.625112	3.516977	3.53051
716094.102	719630.683	885848.278	811558.526	819639.99	800380.386	728727.179	779480.333
35123.2927	56688.2314	76641.2857	68120.807	89274.1491	22807.8454	32583.9856	59393.323
118069.192	113358.093	124512.49	118141.411	119051.11	124047.048	118718.922	118552.089
351.396404	354.24404	353.728664	351.611342	354.318779	352.406386	353.330125	352.833598
123345.6	117472	129219.2	123345.6	123345.6	129219.2	123345.6	123345.6
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
42108.372	42780.118	54022.58	49503.02	52865.6	47086.902	44961.67	47399.072
251.59235	237.935695	340.521908	372.392728	303.005009	279.666764	259.040938	253.422316
41.981282	41.660329	44.911346	43.901863	40.650873	42.700003	42.017342	41.783983
1908005.85	1897557.21	2698154.5	2343515.35	2188532.01	2132001.06	1974267.14	2050132.59
3326904.42	3307668.74	5678068.15	4808806.72	4055337.54	3501056.48	3920740.28	3630329.47
101193.779	114457.278	124063.627	110924.931	102471.336	96564.6468	90248.6924	103717.977
1418898.57	1410111.53	2979913.65	2465291.37	1866805.53	1369055.42	1946473.14	1580196.88

4203342.74	4168619.18	7086831.59	5994240.02	5148166.63	4588387.6	4901194.12	4447870.9
1269.86	1255.38	1653.78	1632.55	1597.98	1502.03	1420.7	1409.34
260936.752	93630.9618	225306.924	241950.158	329683.906	427523.748	433616.488	208395.967
34.788671	35.48375	48.599603	45.604848	38.333978	35.210388	36.239574	35.98775
885860.285	1306567.43	1503393.02	1307810.68	768032.368	644145.698	547690.436	1002695.07
287.71	291.16	303.71	284.17	249.54	267.65	253.5	277.35
219.36442	275.728132	255.326615	256.838281	211.439449	192.710428	189.710459	254.740023
8.423231	10.835635	9.401188	8.941163	7.202315	6.524134	6.803605	8.43875
42,715	53,919	50,241	44,584	33,903	31,763	32,187	42,079
462901.2	156661.587	359752.59	417515.227	682044.241	766251.823	1117634.83	428484.361
1.7228	0.832012	1.794748	2.701969	3.62224	3.360995	3.023981	2.399606
2,923	972	1,850	2,549	5,770	6,032	7,237	3,336
39.861682	43.522798	58.895805	59.346008	41.807243	41.574656	30.123719	43.031343
39.723118	43.499259	58.725341	59.338601	41.72691	41.548616	30.04755	42.925683
-39792.094	-52947.359	-48391.093	-42034.395	-28132.425	-25730.21	-24950.356	-38743.036
-118.42885	-165.4605	-137.4747	-125.10237	-83.727454	-73.097186	-74.257012	-115.30665
-2550160.9	-3268362.2	-4109366.1	-3478538.4	-2523797.3	-2252386.6	-1625137	-2860376.4
-25.186925	-28.554564	-33.067655	-31.372524	-24.619172	-23.29807	-18.057246	-27.522011
-2550160.9	-3268362.2	-4109366.1	-3478538.4	-2523797.3	-2252386.6	-1625137	-2860376.4
58478.7613	60538.1656	73822.5284	66341.3249	68568.5013	64802.0918	58061.377	61639.1218
1598641.86	1767500.58	2426290.05	2058181.76	1815586.2	1656666.07	1501087.81	1799967.86
2339021.2	3055870.2	3851735.92	3242677.78	2284485.4	2018933.3	1412497.74	2632950.81
2761980.29	4205776.04	4995376.34	4132973.24	2370473.53	1896827.17	842553.35	3207161.53
829765.8	947348.255	1046047.71	934887.518	896685.557	790382.732	764535.435	872831.774
5.96	4.45	6.06	7.26	5.69	4.85	5.07	4.92
48911.7263	37073.6601	47823.544	43925.4588	44206.9987	48324.099	40501.9003	42385.224
6753503.65	7436981.41	11196197.7	9472778.43	7671963.89	6840774.16	6526331.16	7308247.35
6753503.65	7436981.41	11196197.7	9472778.43	7671963.89	6840774.16	6526331.16	7308247.35
1772823.41	1772380.65	2530373.98	2190010.54	2021820.93	1982650.57	1832310.93	1901842.71
61401.685	61509.9188	75672.5338	68890.536	74338.9111	70834.4373	65298.3362	64974.9406
48911.7263	37073.6601	47823.544	43925.4588	44206.9987	48324.099	40501.9003	42385.224
6753503.65	7436981.41	11196197.7	9472778.43	7671963.89	6840774.16	6526331.16	7308247.35
86270.7134	88102.8957	119956.984	109579.354	122504.081	101026.389	101454.314	105904.656
19293.313	18729.8008	21649.9538	19387.516	21473.3111	23747.5353	20336.6662	17575.8686
876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437
876438.32	860950.44	1408763.44	1185433.3	1092829.09	1087331.12	980453.846	817541.437

2036-07	2036-08	2036-09	2036-10	2036-11	2036-12	2037-01	2037-02
59.797043	54.354993	45.816613	46.098093	45.910443	46.848723	67.784375	63.164485
20.72585	20.725812	20.725749	20.725787	20.725774	20.725812	21.139524	21.139574
59.671165	54.229115	45.690735	45.972215	45.784565	46.722845	67.656526	63.036636
59.767994	54.325944	45.787564	46.069044	45.881394	46.819674	67.754872	63.134982
59.041776	53.599726	45.061346	45.342826	45.155176	46.093456	67.01728	62.39739
59.32258	53.88053	45.34215	45.62363	45.43598	46.37426	67.302482	62.682592
59.748628	54.306578	45.768198	46.049678	45.862028	46.800308	67.735202	63.115312
59.78736	54.34531	45.80693	46.08841	45.90076	46.83904	67.774541	63.154651
26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.701925	26.701925
1.64	1.64	1.64	1.64	1.64	1.64	1.69	1.69
59.48719	54.04514	45.50676	45.78824	45.60059	46.53887	67.46967	62.84978
5.787877	5.793503	5.820378	5.955354	6.958898	7.868285	7.962331	7.991776
44.246318	40.618751	34.928732	35.127636	35.086164	35.787469	49.832394	46.754925
44.246318	40.618751	34.928732	35.127636	35.086164	35.787469	49.832394	46.754925

1.11152	0.6947	0.6947	0.41682	0.416819	0.416819	0.41682	0.555759
0.009242	0.011772	0.007987	0.003984	0.014092	0.014034	0.018273	0.021108
0.009242	0.011772	0.007301	0.003913	0.013333	0.013712	0.016719	0.020583
20705.5662	21564.9163	3643.98496	1801.91882	19584.9837	22773.8554	14858.8566	13951.5864
49.910508	54.382248	11.509774	6.090736	64.471285	62.621769	41.19808	39.357168
73.2	89	55.2	32.4	91.2	108.6	126.4	148.2
0.02625	0.032916	0.038869	0.029565	0.028289	0.0325	0.036934	0.040593
1017.0408	1236.566	766.948799	450.1656	1267.1328	1508.8884	1756.2016	2059.0908
26624.4586	32371.268	20077.4606	11784.5964	33171.4566	39500.2214	46893.9645	54981.6894
2.221468	1.388417	1.388417	0.83305	0.83305	0.83305	0.849957	1.133277
1617.09487	1966.13994	1219.44859	715.763304	2014.74115	2399.13256	2862.60861	3356.318
7712.1	7311.15	7266.15	8035.2	6646.5	7662.6	7280.775	6907.725
21.909375	21.759375	21.625446	21.834782	21.863486	21.76875	21.668973	21.58664
7920	7560	7560	8280	6840	7920	7560	7200
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
73.2	89	55.2	32.4	91.2	108.6	126.4	148.2
31.173543	19.449949	19.646781	11.637365	11.626524	11.627915	11.873288	15.812456
31.173543	19.449949	19.646781	11.637365	11.626524	11.627915	11.873288	15.812456
28445.5647	34481.8858	21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482
34830.7233	43088.1103	29645.538	14305.0038	47627.8954	56090.6948	65846.096	87320.1922
6385.15858	8606.22451	8183.3055	1732.63229	12293.9417	14005.7911	15836.8684	28732.7102
34830.7233	43088.1103	29645.538	14305.0038	47627.8954	56090.6948	65846.096	87320.1922
24.22	13.67	12.78	8.94	8.4	13.3	8.72	13.78
7739.99854	12916.9695	17818.2475	10770.4527	15748.9699	19311.0483	35150.371	44635.8956
9210.5348	15625.2199	24209.9398	12213.1443	20654.6155	23664.5694	44756.326	65828.0812
1.306572	0.821943	0.768535	0.557474	0.478737	0.516678	0.549797	0.753889
19.852735	33.320378	45.852683	27.747528	40.632473	49.813913	88.798231	112.894166
396.835038	392.501997	395.121485	393.494102	392.347885	393.948859	397.088034	396.81665
31.737686	19.625099	19.756074	11.804823	11.770436	11.80472	11.912641	15.872666
73.2	89	55.2	32.4	91.2	108.6	126.4	148.2
0.207954	0.26488	0.164285	0.088043	0.3	0.308522	0.37619	0.463125
6385.15858	8606.22451	8183.3055	1732.63229	12293.9417	14005.7911	15836.8684	28732.7102
6385.15858	8606.22451	8183.3055	1732.63229	12293.9417	14005.7911	15836.8684	28732.7102
53.347264	55.679621	9.347316	4.652471	50.567526	58.786086	37.601768	35.305833
20705.5662	21564.9163	3643.98496	1801.91882	19584.9837	22773.8554	14858.8566	13951.5864
0.44	0.58	0.42	0.43	0.4	0.59	0.98	0.74
-6385.1586	-8606.2245	-8183.3055	-1732.6323	-12293.942	-14005.791	-15836.868	-28732.71
-15595.693	-24231.444	-32393.245	-13945.777	-32948.557	-37670.361	-60593.194	-94560.791
0.65	0.46	0.07	0.02	0.27	0.27	0.08	0.09
1480.7491	1693.3764	838.0475	458.7103	1387.1585	1965.4982	2257.5546	2585.0908
0.08	0.01	0.07	0.02	0.01	0.02	0.05	0.02
94.9432	11.8679	83.0753	23.7358	11.8679	23.7358	60.5265	24.2106
28445.5647	34481.8858	21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482
28445.5647	34481.8858	21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482
28241.5535	34337.4079	21296.9092	12500.3597	35186.1978	41899.354	49756.5731	58338.0074

73.2	89	55.2	32.4	91.2	108.6	126.4	148.2
94.9432	11.8679	83.0753	23.7358	11.8679	23.7358	60.5265	24.2106
28445.5647	34481.8858	21462.2325	12572.3715	35333.9537	42084.9038	50009.2276	58587.482
109.068	132.61	82.248	48.276	135.888	161.814	192.127999	225.263999
5.46302	3.86179	2.91989	4.23855	2.63732	2.8257	4.803689	5.08626
0.274013	0.211816	0.181519	0.171852	0.122608	0.148849	0.252982	0.253439
0.263835	0.203422	0.175714	0.167391	0.116973	0.146732	0.248005	0.245031
368111.074	298437.603	145234.334	144335.587	152789.401	231511.482	372390.57	295035.808
970.850605	842.890601	472.104333	498.139567	493.963667	639.714285	1036.17001	847.871121
5386.46	3964.3	3424.32	3572.8	2062.48	2995.7	4833.14	4547.78
0.037926	0.030952	0.032023	0.025842	0.032828	0.02409	0.023988	0.037312
50735.0667	37339.7417	32253.6701	33652.2032	19426.4991	28216.4983	45523.3457	42835.5398
312747.764	262908.68	179391.102	254605.372	209093.707	206208.208	334531.767	266040.641
3.508616	2.675137	1.739138	3.02946	2.81657	1.999516	3.51595	3.540418
50563.4289	36758.1092	21684.2034	17871.66	14366.1711	27775.9808	43904.445	40583.3749
19641.7	18884.8	18863.92	20792.42	17053.16	19924.16	19020.52	17867.48
55.800284	56.204761	56.142619	56.501141	56.095921	56.602727	56.60869	55.835875
20416	19488	19488	21344	17632	20416	19488	18560
58	58	58	58	58	58	58	58
5386.46	3964.3	3424.32	3572.8	2062.48	2995.7	4833.14	4547.78
39.193692	29.504608	19.646675	33.330274	29.563712	22.104885	38.683427	39.120263
39.193692	29.504608	19.646675	33.330274	29.563712	22.104885	38.683427	39.120263
369214.176	304426.462	215173.104	292078.824	230690.757	237603.464	386161.858	314587.431
758422.707	613879.434	568859.34	466396.017	359569.832	444767.281	781066.206	704599.05
389208.531	309452.972	353686.236	174317.193	128879.075	207163.817	394904.348	390011.618
758422.707	613879.434	568859.34	466396.017	359569.832	444767.281	781066.206	704599.05
174.01	121.55	107.64	111.8	71.34	93.7	203.5	177.81
1103.10259	5988.85835	69938.7696	147743.237	77901.3558	6091.98162	13771.2878	19551.623
1831.66471	9709.24292	156912.779	232839.465	112598.497	10768.4298	28148.5224	44783.136
2.506167	3.711569	9.045526	15.427659	8.038899	2.609284	6.50382	8.072773
18.222511	61.750979	1122.14318	1675.39475	537.246839	46.769029	171.876065	239.108706
79.153101	80.654367	66.78768	77.011969	111.313105	85.124942	88.258949	87.209256
42.742674	32.219241	20.008529	33.064064	29.962414	22.922628	42.345408	42.730033
5386.46	3964.3	3424.32	3572.8	2062.48	2995.7	4833.14	4547.78
15.302443	11.798511	10.191428	9.708695	6.784473	8.510511	14.384345	14.211812
389208.531	309452.972	353686.236	174317.193	128879.075	207163.817	394904.348	390011.618
389208.531	309452.972	353686.236	174317.193	128879.075	207163.817	394904.348	390011.618
5368.23749	3902.54902	2302.17682	1897.40525	1525.23316	2948.93097	4661.26393	4308.67129
368111.074	298437.603	145234.334	144335.587	152789.401	231511.482	372390.57	295035.808
0.16	1.5	6.05	11.89	6.46	0.67	3.08	2.98
-389208.53	-309452.97	-353686.24	-174317.19	-128879.07	-207163.82	-394904.35	-390011.62
-391040.2	-319162.21	-510599.02	-407156.66	-241477.57	-217932.25	-423052.87	-434794.75
19.39	17.26	4.81	4.15	4.32	8.39	20.24	13.43
35223.4644	24361.0184	17429.7331	17488.9774	10909.9615	18750.4868	29888.2311	27205.252
0.82	0.53	0.31	0.58	0.27	0.44	0.63	0.53
447.228	289.062	169.074	316.332	147.258	239.976	350.4753	294.8443

369214.176	304426.462	215173.104	292078.824	230690.757	237603.464	386161.858	314587.431
369214.176	304426.462	215173.104	292078.824	230690.757	237603.464	386161.858	314587.431
312747.764	262908.68	179391.102	254605.372	209093.707	206208.208	334531.767	266040.641
5386.46	3964.3	3424.32	3572.8	2062.48	2995.7	4833.14	4547.78
447.228	289.062	169.074	316.332	147.258	239.976	350.4753	294.8443
369214.176	304426.462	215173.104	292078.824	230690.757	237603.464	386161.858	314587.431
56019.184	41228.72	35612.928	37157.12	21449.792	31155.28	51279.6154	48251.9458
0.15	0.24	1.02	3.57	1.17	0.36	0.37	0.69
11.06331	11.14363	11.248666	11.11686	11.282391	11.21881	11.048153	11.074833
0.640848	0.612392	0.555869	0.605841	0.541575	0.570452	0.672673	0.643654
0.617312	0.59206	0.534688	0.584854	0.522979	0.553185	0.649884	0.622027
1004139.68	926204.871	823240.419	983590.363	736656.436	908127.195	1018262.99	916663.119
2766.27233	2699.63377	2865.31088	3486.79448	2412.95788	2520.0413	2844.34813	2664.98876
24119.624	22081.472	19941.732	23890.128	17647.422	21614.072	24238.086	22094.432
0.038778	0.032797	0.03866	0.035135	0.035131	0.031221	0.033601	0.0345
263072.4	242079.935	220727.003	262105.54	195891.237	238532.072	263317.163	240934.856
433944.77	400042.039	363379.048	432017.174	322620.308	392239.355	445050.053	405804.712
3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.711	3.711
525197.739	483288.382	440659.389	523267.5	391077.266	476205.428	532163.987	486929.345
37556.85	36072.78	35854.11	39412.77	32558.52	37852.11	36042.81	34294.56
106.695596	107.359464	106.70866	107.099918	107.100394	107.534403	107.270267	107.1705
39072	37296	37296	40848	33744	39072	37296	35520
111	111	111	111	111	111	111	111
24119.624	22081.472	19941.732	23890.128	17647.422	21614.072	24238.086	22094.432
42.670024	42.901653	43.335013	42.811321	43.51207	43.297104	43.453027	43.582037
42.216111	42.50569	42.894284	42.412554	43.017663	42.789706	43.038056	43.143128
1016366.77	934800.869	851339.691	1011209.29	756310.564	920663.954	1034213.89	946009.712
1938104.95	1675164.26	1381334.77	1495742.17	1209371.52	1443053.3	2184974.81	1896315.01
921738.176	740363.386	529995.082	484532.88	453060.956	522389.342	1150760.92	950305.299
1938104.95	1675164.26	1381334.77	1495742.17	1209371.52	1443053.3	2184974.81	1896315.01
338.35	324.98	323.01	355.07	293.32	341.01	324.71	308.96
3184.19062	1235.49799	20633.6215	19417.2314	12293.6277	3493.85909	8336.14893	21088.3427
4425.05907	2266.98352	120528.68	44751.823	29368.6202	4599.46174	17458.1587	34944.7143
1.452264	1.791432	8.075266	10.525313	4.427474	1.774076	3.489067	6.813221
83.102894	32.262723	519.478611	478.646221	315.131103	88.981	217.574327	541.482668
35.001439	33.978252	23.58218	30.559067	33.096419	34.697561	44.538103	38.684138
35.000211	33.977879	23.577942	30.548598	33.094291	34.348874	42.30995	38.288485
24119.624	22081.472	19941.732	23890.128	17647.422	21614.072	24238.086	22094.432
68.521659	65.718666	59.350392	64.918826	58.05073	61.403613	72.13716	69.0451
784230.233	613828.204	414621.077	347530.315	350668.606	397708.628	1013125.04	824368.649
784230.233	613828.204	414621.077	347530.315	350668.606	397708.628	1013125.04	824368.649
24036.5211	22049.2093	19422.2534	23411.4818	17332.2909	21525.091	24020.5117	21552.9493
1004139.68	926204.871	823240.419	983590.363	736656.436	908127.195	1018262.99	916663.119
1.17	0.12	1.79	5.2	2.23	0.09	1.93	3.05
-921738.18	-740363.39	-529995.08	-484532.88	-453060.96	-522389.34	-1150760.9	-950305.3
-926163.24	-742630.37	-650523.76	-529284.7	-482429.58	-526988.8	-1168219.1	-985250.01

243.7	251.54	251.49	272	246.37	285.06	239.49	229.58
119207.488	109077.481	90520.6093	97503.5953	87175.1623	119510.677	113335.183	103338.885
0.86	0.7	0.71	0.78	0.7	0.86	0.71	0.77
9042.9	7360.5	7465.65	8201.7	7360.5	9042.9	7614.75	8258.25
1153874.71	1061336.05	966713.695	1148211.86	858702.914	1045344.67	1171849.77	1071946.36
1153874.71	1061336.05	966713.695	1148211.86	858702.914	1045344.67	1171849.77	1071946.36
959142.509	883330.421	804038.437	955284.674	713697.574	868444.784	977214.041	892734.057
24119.624	22081.472	19941.732	23890.128	17647.422	21614.072	24238.086	22094.432
9042.9	7360.5	7465.65	8201.7	7360.5	9042.9	7614.75	8258.25
1153874.71	1061336.05	966713.695	1148211.86	858702.914	1045344.67	1171849.77	1071946.36
48181.3609	44109.9485	39835.6038	47722.9197	35252.4902	43176.2702	49385.1002	45017.4052
2.06	0.21	4.05	9.49	1.83	1.27	1.41	5.2
1.2	0.75	0.9	0.3	0.45	0.6	0.45	0.6
0.007479	0.009786	0.007356	0.002912	0.01389	0.013334	0.018095	0.021149
0.007357	0.009761	0.007351	0.002798	0.013519	0.012386	0.018095	0.020125
2203.71266	2405.30876	436.42712	224.448233	2298.661	2723.67636	2099.1604	1498.22708
5.240058	5.95135	1.382346	0.755037	7.52529	7.480839	5.720764	4.17761
7.77	9.84	7.41	3.09	12.33	13.08	18.24	19.32
0.038579	0.034285	0.039702	0.029157	0.024473	0.037528	0.04125	0.0295
116.55	147.6	111.15	46.35	184.95	196.2	273.6	289.8
3051.08768	3863.92571	2909.72454	1213.36691	4841.6874	5136.19393	7305.64685	7738.21804
2.216772	1.385482	1.662579	0.554193	0.831289	1.108386	0.846996	1.129329
178.473015	226.019879	170.203995	70.975755	283.213934	300.441059	418.963679	443.770739
1015.26	973.44	967.98	1071.81	889.68	1016.37	966.42	931.68
2.884261	2.897142	2.880892	2.912527	2.926578	2.887414	2.87625	2.9115
1056	1008	1008	1104	912	1056	1008	960
3	3	3	3	3	3	3	3
7.77	9.84	7.41	3.09	12.33	13.08	18.24	19.32
33.25159	20.782243	24.938692	8.312897	12.469346	16.625795	12.704951	16.939935
33.25159	20.782243	24.938692	8.312897	12.469346	16.625795	12.704951	16.939935
3229.56069	4089.94559	3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878
3935.14571	5033.86711	4146.97495	1420.84487	6763.61978	7017.41984	9968.99685	11791.8023
705.585022	943.921524	1067.04641	136.502201	1638.71845	1580.78486	2244.38632	3609.81354
3935.14571	5033.86711	4146.97495	1420.84487	6763.61978	7017.41984	9968.99685	11791.8023
2.59	3.28	2.47	1.03	4.11	4.36	6.08	6.44
1025.84804	1684.63683	2643.50142	1059.89444	2826.24033	2712.95863	5625.45013	6683.7617
1224.66936	2044.4551	3515.72545	1173.51583	3693.62906	3249.25951	7041.79082	9578.57392
0.223378	0.118986	0.15	0.06	0.08495	0.119087	0.088829	0.118964
2.468087	4.053067	6.36	2.55	6.799651	6.527107	13.283285	15.78226
447.809829	415.644876			415.644876	415.644876	423.498384	423.498384
22.390491	8.312897			8.312897	4.156448	8.469967	12.704951
7.77	9.84	7.41	3.09	12.33	13.08	18.24	19.32
0.022073	0.029285	0.022053	0.008396	0.040559	0.037159	0.054285	0.060375
705.585022	943.921524	1067.04641	136.502201	1638.71845	1580.78486	2244.38632	3609.81354
705.585022	943.921524	1067.04641	136.502201	1638.71845	1580.78486	2244.38632	3609.81354

5.301912	5.786932	1.05	0.54	5.530348	6.552892	4.956714	3.537739
2203.71266	2405.30876	436.42712	224.448233	2298.661	2723.67636	2099.1604	1498.22708
-705.58502	-943.92152	-1067.0464	-136.5022	-1638.7185	-1580.7849	-2244.3863	-3609.8135
-1930.2544	-2988.3766	-4582.7719	-1310.018	-5332.3475	-4830.0444	-9286.1771	-13188.387
0.14							
1054.6712	1258.4851	750.7429	293.8914	1250.8913	1581.3189	2194.321	2260.0032
0.83	0.66	0.56	0.14	0.59	0.82	0.63	1.36
3229.56069	4089.94559	3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878
3229.56069	4089.94559	3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878
3229.56069	4089.94559	3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878
7.77	9.84	7.41	3.09	12.33	13.08	18.24	19.32
3229.56069	4089.94559	3079.92854	1284.34267	5124.90133	5436.63499	7724.61053	8181.98878
11.668615	11.848336	12.00028	11.767703	12.049684	11.940362	11.682985	11.730678
0.692803	0.648815	0.600415	0.660582	0.581794	0.623098	0.70932	0.685666
0.660909	0.615454	0.573567	0.631622	0.554759	0.595613	0.677562	0.6503
330440.725	296708.754	279344.091	332333.809	245367.413	302098.693	328231.348	300642.153
911.966915	866.012666	972.655938	1180.181	805.083631	838.737877	917.562706	875.02473
10003.52	8892.09	8286.9	9994.8	7251.82	9015.2	9789.42	8948.14
0.046448	0.052053	0.04372	0.045869	0.048585	0.044772	0.044672	0.052656
114578.047	102774.455	96938.871	115241.284	85204.8101	104941.004	111821.505	102645.966
188707.713	169681.936	159660.299	189866.987	140212.443	172477.715	188883.921	172779.08
2.7635	2.763499	2.763499	2.7635	2.763499	2.7635	2.8206	2.8206
128728.436	115467.101	108910.822	129473.582	95727.6041	117901.218	126425.393	116051.529
14432.95	13695.93	13816.33	15098.16	12436.89	14458.32	13802.57	13035.45
41.002698	40.761696	41.120029	41.027608	40.910822	41.074772	41.079077	40.735781
15136	14448	14448	15824	13072	15136	14448	13760
43	43	43	43	43	43	43	43
10003.52	8892.09	8286.9	9994.8	7251.82	9015.2	9789.42	8948.14
34.18837	34.722431	35.26622	34.551826	35.399079	34.930842	34.959757	35.105977
33.527618	34.01907	34.44704	33.804275	34.586222	34.289925	34.278266	34.421109
336160.637	302116.671	284752.007	338469.715	250203.339	307038.617	333747.425	305999.113
749644.085	624473.361	549842.95	602050.772	473168.117	572074.183	835409.574	714835.541
413483.448	322356.69	265090.943	263581.057	222964.778	265035.566	501662.149	408836.428
749644.085	624473.361	549842.95	602050.772	473168.117	572074.183	835409.574	714835.541
335.65	318.51	321.31	351.12	289.23	336.24	320.99	303.15
32.608989	28.021256	22.504327	31.105133	36.556108	22.463507	46.430682	40.786794
5.869618	4.483401	4.725908	9.33154	5.848977	5.615876	10.21475	10.196698
10003.52	8892.09	8286.9	9994.8	7251.82	9015.2	9789.42	8948.14
28.41909	26.464553	24.663392	27.159782	23.854671	25.611363	29.135178	27.962937
353593.503	268636.483	214420.995	203344.438	178428.223	210182.904	443213.048	355183.382
353593.503	268636.483	214420.995	203344.438	178428.223	210182.904	443213.048	355183.382

10003.52	8892.09	8286.9	9994.8	7251.82	9015.2	9789.42	8948.14
330440.725	296708.754	279344.091	332333.809	245367.413	302098.693	328231.348	300642.153
-413483.45	-322356.69	-265090.94	-263581.06	-222964.78	-265035.57	-501662.15	-408836.43
-413483.45	-322356.69	-265090.94	-263581.06	-222964.78	-265035.57	-501662.15	-408836.43
1.99	1.22	2.02	3.2	1.83	2.79	2.5	2.18
116826.835	105054.999	89102.2415	95217.3944	84832.4733	117315.091	110654.827	100223.576
1.1	1.04	1.04	1.18	0.93	0.95	1.04	1.01
5719.912	5407.9168	5407.9168	6135.9056	4835.9256	4939.924	5516.0768	5356.9592
396050.582	355836.879	335421.955	398706.334	294739.893	361891.28	392196.526	359652.159
396050.582	355836.879	335421.955	398706.334	294739.893	361891.28	392196.526	359652.159
317436.149	285149.037	268571.121	319340.569	235940.047	290378.933	315309.314	288830.609
10003.52	8892.09	8286.9	9994.8	7251.82	9015.2	9789.42	8948.14
5719.912	5407.9168	5407.9168	6135.9056	4835.9256	4939.924	5516.0768	5356.9592
396050.582	355836.879	335421.955	398706.334	294739.893	361891.28	392196.526	359652.159
13004.576	11559.717	10772.97	12993.24	9427.366	11719.76	12922.0344	11811.5448
1.2	0.75	0.9	0.3	0.45	0.6	0.45	0.6
0.007356	0.010173	0.00739	0.003152	0.013815	0.013498	0.017967	0.021142
0.006761	0.00991	0.007142	0.003152	0.013815	0.013267	0.016845	0.019281
1934.44429	2335.78084	423.461665	224.448233	2268.72693	3024.14475	1947.40099	1100.96924
4.639507	5.751329	1.343092	0.755037	7.397871	8.318592	5.302481	3.044408
7.14	9.99	7.2	3.48	12.6	14.01	16.98	18.51
0.049744	0.028244	0.024791	0.032038	0.031907	0.033693	0.033154	0.037781
107.1	149.85	108	52.2	189	210.15	254.7	277.65
2803.70219	3922.82701	2827.26271	1366.51031	4947.70975	5501.38203	6800.98046	7413.78965
2.216772	1.385482	1.662579	0.554193	0.831289	1.108386	0.846996	1.129329
164.00223	229.465304	165.3804	79.93386	289.415699	321.802694	390.022109	425.165444
1003.47	979.53	983.01	1068.63	882.9	1020.42	974.58	923.73
2.850767	2.915267	2.925625	2.903885	2.904276	2.89892	2.900535	2.886656
1056	1008	1008	1104	912	1056	1008	960
3	3	3	3	3	3	3	3
7.14	9.99	7.2	3.48	12.6	14.01	16.98	18.51
33.25159	20.782243	24.938692	8.312897	12.469346	16.625795	12.704951	16.939935
33.25159	20.782243	24.938692	8.312897	12.469346	16.625795	12.704951	16.939935
2967.70442	4152.29232	2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509
3589.79078	5092.474	4050.47674	1591.9528	6885.9022	7534.01941	9326.63744	11315.7689
622.086359	940.181685	1057.83362	145.508626	1648.77676	1710.83469	2135.63487	3476.81384
3589.79078	5092.474	4050.47674	1591.9528	6885.9022	7534.01941	9326.63744	11315.7689
2.38	3.33	2.4	1.16	4.2	4.67	5.66	6.17
1033.26013	1816.51148	2569.18145	1221.99594	2968.39852	2799.03997	5243.60158	6737.98586
1230.63722	2199.18708	3433.70429	1344.62376	3864.60087	3358.99318	6595.76828	9676.72674
0.230117	0.145888	0.149786	0.06	0.087966	0.117384	0.088866	0.119366
2.48592	4.370344	6.181193	2.94	7.141669	6.73421	12.381633	15.910298
442.250692	415.878376	431.934195		415.811192	423.216013	447.547164	423.635962
13.26752	16.635135	8.638683		8.316223	12.69648	13.426414	16.945438

7.14	9.99	7.2	3.48	12.6	14.01	16.98	18.51
0.020284	0.029732	0.021428	0.009456	0.041447	0.039801	0.050535	0.057843
622.086359	940.181685	1057.83362	145.508626	1648.77676	1710.83469	2135.63487	3476.81384
622.086359	940.181685	1057.83362	145.508626	1648.77676	1710.83469	2135.63487	3476.81384
4.654079	5.619655	1.018806	0.54	5.45833	7.275789	4.598366	2.599701
1934.44429	2335.78084	423.461665	224.448233	2268.72693	3024.14475	1947.40099	1100.96924
0.06		0.02			0.23	0.13	0.76
-622.08636	-940.18169	-1057.8336	-145.50863	-1648.7768	-1710.8347	-2135.6349	-3476.8138
-1852.7236	-3139.3688	-4491.5379	-1490.1324	-5513.3776	-5069.8279	-8731.4032	-13153.541
0.08	0.03	0.02		0.03	0.02	0.13	0.01
959.9495	1278.7341	730.114	330.0376	1279.8121	1691.732	2047.59	2166.0367
0.8	0.67	0.53	0.16	0.63	0.83	0.61	1.3
2967.70442	4152.29232	2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509
2967.70442	4152.29232	2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509
2967.70442	4152.29232	2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509
7.14	9.99	7.2	3.48	12.6	14.01	16.98	18.51
2967.70442	4152.29232	2992.64311	1446.44417	5237.12545	5823.18472	7191.00257	7838.95509

7.583508	5.423369	3.873312	4.417641	3.270163	3.430539	6.130573	7.433304
0.205103	0.142561	0.140272	0.108522	0.07221	0.11094	0.173617	0.191053
0.202465	0.137589	0.133654	0.104559	0.070006	0.107556	0.16488	0.184675
272396.873	181740.739	52342.0014	29636.6918	32773.8405	109959.594	169464.417	142615.751
706.337815	496.790549	165.221045	101.074399	105.353922	298.882708	467.000273	405.032394
3563.4	2311.5	2245.4	1923.9	1064.1	1893	2770	2954.8
0.019517	0.030491	0.035684	0.031725	0.030575	0.027357	0.033229	0.032984
51568.2	33416.7	32581	27699.9	15317.7	27315	40103.6	42738.8
295857.195	230070.477	166879.261	186337.32	127462.724	172382.532	262032.46	238274.821
3.173895	2.430202	1.524801	2.138297	2.219331	1.428185	2.641552	3.059055
47336.196	26999.1329	10258.7739	4577.41917	4954.74258	19795.4977	27228.3443	29165.0597
17324.9	16345.2	16174.1	17836.8	14748.6	17140.4	16236.8	15453.5
49.218465	48.646428	48.137202	48.469565	48.515131	48.694318	48.323809	48.292187
17600	16800	16800	18400	15200	17600	16800	16000
50	50	50	50	50	50	50	50
3563.4	2311.5	2245.4	1923.9	1064.1	1893	2770	2954.8
85.800998	66.505253	44.129007	53.836604	63.020616	41.546917	65.303309	83.148386
45.743464	34.796901	22.008412	30.625484	31.644773	20.52987	37.847761	43.859812
297098.317	230722.502	167668.747	187026.815	127799.167	173018.368	263232.484	239158.369
553081.727	430983.33	423340.126	272041.415	185240.836	296132.97	511032.98	504085.957
255983.41	200260.829	255671.379	85014.6	57441.6688	123114.602	247800.496	264927.588
553081.727	430983.33	423340.126	272041.415	185240.836	296132.97	511032.98	504085.957
291.22	205.73	153.98	155.29	98.82	137.5	259.05	285.61
24701.4438	48981.7626	115326.746	157390.123	95025.327	63058.7739	93768.0662	96542.6177
42915.17	81087.6275	257924.925	227477.778	136221.105	103591.532	179829.623	203448.007
4.177945	4.233565	4.908257	6.308678	4.488756	2.930267	5.722953	7.229516
276.167137	428.301736	1524.33731	1600.42153	713.08831	502.676095	864.783112	916.619466
114.21873	113.624175	111.858348	111.649923	158.940359	106.951585	109.591134	104.347552
56.723908	43.171789	29.041088	32.363578	33.377475	24.561373	42.70016	49.943693

3563.4	2311.5	2245.4	1923.9	1064.1	1893	2770	2954.8
10.123295	6.879464	6.682738	5.227989	3.500328	5.37784	8.244047	9.23375
255983.41	200260.829	255671.379	85014.6	57441.6688	123114.602	247800.496	264927.588
255983.41	200260.829	255671.379	85014.6	57441.6688	123114.602	247800.496	264927.588
3287.23286	1883.19826	721.062685	323.478474	351.011689	1390.3239	1905.21689	2038.18053
272396.873	181740.739	52342.0014	29636.6918	32773.8405	109959.594	169464.417	142615.751
14.02	14.87	33.2	26.38	13.94	14.95	24.49	21.22
-255983.41	-200260.83	-255671.38	-85014.6	-57441.669	-123114.6	-247800.5	-264927.59
-298898.58	-281348.46	-513596.3	-312492.38	-193662.77	-226706.13	-427630.12	-468375.6
37.63	20.18	5.02	2	1.35	9.58	11.9	9.17
50002.3426	30359.5555	24917.7711	19131.6129	11360.1877	24574.8535	36710.9547	37510.8226
0.48	0.15	0.26	0.4	0.15	0.27	0.66	0.2
406.424	127.694	220.604	309.396	127.694	232.046	529.4	188.604
297098.317	230722.502	167668.747	187026.815	127799.167	173018.368	263232.484	239158.369
297098.317	230722.502	167668.747	187026.815	127799.167	173018.368	263232.484	239158.369
295857.195	230070.477	166879.261	186337.32	127462.724	172382.532	262032.46	238274.821
3563.4	2311.5	2245.4	1923.9	1064.1	1893	2770	2954.8
406.424	127.694	220.604	309.396	127.694	232.046	529.4	188.604
297098.317	230722.502	167668.747	187026.815	127799.167	173018.368	263232.484	239158.369
834.698	524.331	568.882	380.099	208.749	403.79	670.623999	694.943999
0.44	0.82	0.41	2.01	0.83	1.68	0.99	1.7
1.2	0.75	0.75	0.3	0.45	0.6	0.45	0.6
0.007042	0.010066	0.007232	0.003152	0.013717	0.013059	0.017701	0.021032
0.006562	0.010059	0.007232	0.003152	0.013717	0.012613	0.017321	0.01875
2282.14452	3021.58749	507.930208	299.932831	2798.13357	3894.71292	2187.69376	1747.04524
5.455306	7.425929	1.610346	1.008966	9.136787	10.710067	5.972777	4.875788
9.24	13.52	9.72	4.64	16.68	17.76	23.28	24
0.03625	0.036279	0.025773	0.029048	0.029276	0.03159	0.038392	0.017812
138.6	202.8	145.8	69.6	250.2	266.4	349.2	360
3628.32048	5308.97109	3816.80466	1822.01375	6549.82528	6973.91469	9324.31243	9612.69322
2.221724	1.388577	1.388577	0.555431	0.833146	1.110862	0.849807	1.133077
220.81752	323.10096	232.28856	110.88672	398.61864	424.42848	567.45	585
1356.96	1295.24	1309.36	1429.24	1180.4	1363.52	1292.4	1257.2
3.855	3.85488	3.896904	3.883804	3.882894	3.873636	3.846428	3.92875
1408	1344	1344	1472	1216	1408	1344	1280
4	4	4	4	4	4	4	4
9.24	13.52	9.72	4.64	16.68	17.76	23.28	24
33.32587	20.828668	20.828668	8.331467	12.497201	16.662935	12.747116	16.996155
33.32587	20.828668	20.828668	8.331467	12.497201	16.662935	12.747116	16.996155
3849.138	5632.07205	4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932
4660.62982	6898.53852	5460.18588	2122.60373	9131.25048	9573.10707	12765.069	14645.1779
811.491821	1266.46647	1411.09266	189.703261	2182.80656	2174.7639	2873.3066	4447.48466
4660.62982	6898.53852	5460.18588	2122.60373	9131.25048	9573.10707	12765.069	14645.1779
2.31	3.38	2.43	1.16	4.17	4.44	5.82	6
1566.99348	2610.48457	3541.16301	1632.96764	4150.31036	3503.63025	7704.06866	8450.64799
1863.35137	3155.31085	4706.58863	1792.83168	5394.28971	4184.4559	9653.66142	12024.0481

0.304371	0.19188	0.199858	0.08	0.117256	0.157059	0.117523	0.159235
3.761626	6.266566	8.500694	3.92	9.962975	8.410595	18.13132	19.888375
481.379836	494.60281	555.5158	458.278175	456.018318	488.448358	547.06093	612.075325
38.510386	19.784112	16.665474	4.582781	13.680549	14.65345	16.411827	24.483013
9.24	13.52	9.72	4.64	16.68	17.76	23.28	24
0.02625	0.040238	0.028928	0.012608	0.054868	0.050454	0.069285	0.075
811.491821	1266.46647	1411.09266	189.703261	2182.80656	2174.7639	2873.3066	4447.48466
811.491821	1266.46647	1411.09266	189.703261	2182.80656	2174.7639	2873.3066	4447.48466
5.478373	7.253433	1.219305	0.72	6.717024	9.349404	5.148679	4.111624
2282.14452	3021.58749	507.930208	299.932831	2798.13357	3894.71292	2187.69376	1747.04524
0.97	1.65	2.11	0.91	1.4	1.88	4.46	4.98
-811.49182	-1266.4665	-1411.0927	-189.70326	-2182.8066	-2174.7639	-2873.3066	-4447.4847
-2674.8432	-4421.7773	-6117.6813	-1982.5349	-7577.0963	-6359.2198	-12526.968	-16471.533
1.32	1.73	0.29	0.18	0.68	0.84	1.02	1
929.4479	1296.8382	738.5604	330.0376	1270.3054	1609.7918	2093.9199	2098.8125
0.78	0.68	0.55	0.16	0.61	0.79	0.61	1.28
3849.138	5632.07205	4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932
3849.138	5632.07205	4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932
3849.138	5632.07205	4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932
9.24	13.52	9.72	4.64	16.68	17.76	23.28	24
3849.138	5632.07205	4049.09322	1932.90047	6948.44392	7398.34317	9891.76243	10197.6932

10.562946	10.679251	10.805188	10.616921	10.867101	10.783583	10.552242	10.590606
0.520104	0.473265	0.416364	0.475748	0.396716	0.432879	0.544646	0.51179
0.491215	0.443383	0.390937	0.448896	0.378316	0.410222	0.507227	0.482458
388823.731	337051.178	299447.749	372791.119	263164.586	327629.21	387905.97	352091.162
1066.3404	978.438386	1042.58797	1322.57402	862.659005	909.35206	1083.95902	1025.7658
10132.41	8730.044	7697.4	9680.358	6739.48	8461.742	9987.104	9047.068
0.054744	0.063273	0.055476	0.058777	0.047565	0.056051	0.064791	0.058437
104190.574	90209.3357	80441.5591	99954.8081	70672.5504	88046.8334	102236.468	93007.4446
172664.058	149926.389	132788.165	165461.762	116811.777	145036.971	173145.264	156761.59
3.649499	3.649499	3.649499	3.649499	3.649499	3.649499	3.724299	3.724299
209370.958	181275.66	161647.313	200859.187	142016.49	176930.112	207979.646	189205.044
19497.978	18443.764	18597.296	20297.282	16967.044	19471.022	18413.878	17656.18
55.391982	54.892154	55.349095	55.155657	55.812644	55.315403	54.803208	55.175562
20627.2	19689.6	19689.6	21564.8	17814.4	20627.2	19689.6	18752
58.6	58.6	58.6	58.599999	58.6	58.6	58.6	58.6
10132.41	8730.044	7697.4	9680.358	6739.48	8461.742	9987.104	9047.068
44.011496	44.978614	44.917155	44.672433	46.151647	46.264627	44.921133	44.804691
39.203266	39.625158	40.091517	39.403211	40.319227	40.019104	39.979589	40.129548
420437.159	368428.685	326251.821	405363.901	289530.961	360665.405	420883.756	382198.581
893441.7	748626.34	631130.932	697103.566	559054.749	689310.385	976854.61	856997.086
473004.541	380197.655	304879.111	291739.665	269523.787	328644.98	555970.855	474798.504
893441.7	748626.34	631130.932	697103.566	559054.749	689310.385	976854.61	856997.086
332.73	314.74	317.36	346.37	289.54	332.27	314.23	301.3
		144.986787	15.669783	179.132817	7.24046	10.170833	27.478499
		1553.12798	23.341411	520.164662	7.072885	13.182927	37.094222

		0.196065	0.39	0.244143	0.089987	0.26	0.457273
		4.101976	0.39	5.038186	0.179975	0.26	0.70514
35.233232	33.625506	27.755948	36.107699	35.121931	37.039819	43.483911	38.860802
28.538918	24.882874	20.260635	27.441851	28.097545	28.891059	30.438737	29.915086
10132.41	8730.044	7697.4	9680.358	6739.48	8461.742	9987.104	9047.068
28.785255	25.982273	22.908928	26.30532	22.169342	24.039039	29.723523	28.272087
418544.128	333045.235	262832.308	239493.287	232583.245	282622.9	502531.853	426183.513
418544.128	333045.235	262832.308	239493.287	232583.245	282622.9	502531.853	426183.513
10132.41	8730.044	7693.29802	9679.968	6734.44181	8461.56202	9986.844	9046.36286
388823.731	337051.178	299447.749	372791.119	263164.586	327629.21	387905.97	352091.162
						0.01	0.01
-473004.54	-380197.66	-304879.11	-291739.67	-269523.79	-328644.98	-555970.85	-474798.5
-473004.54	-380197.66	-306432.24	-291763.01	-270043.95	-328652.05	-555984.04	-474835.6
16.32	13.08	15.95	16.08	15.31	15.49	13.6	13.91
109619.261	97147.1566	83620.1934	87677.3898	80884.5113	108447.984	100576.165	92603.6613
1.34	1.33	1.13	1.38	1.11	1.4	1.37	1.25
31613.4279	31377.5068	26659.0848	32557.1124	26187.2425	33028.9546	32967.6151	30079.9408
474897.572	415581.105	368298.624	457610.279	326471.503	406687.484	474322.757	430813.573
474897.572	415581.105	368298.624	457610.279	326471.503	406687.484	474322.757	430813.573
382035.016	331202.049	294435.478	366320.949	258828.267	321967.083	381124.91	345966.634
10132.41	8730.044	7697.4	9680.358	6739.48	8461.742	9987.104	9047.068
31613.4279	31377.5068	26659.0848	32557.1124	26187.2425	33028.9546	32967.6151	30079.9408
474897.572	415581.105	368298.624	457610.279	326471.503	406687.484	474322.757	430813.573
6788.7147	5849.12948	5157.258	6485.83986	4515.4516	5669.36714	6791.23072	6152.00624
		0.01	0.01	0.01	0.02	0.01	0.04
6.6	5.1	3.9	3.9	2.55	3.15	6.15	7.35
0.196628	0.135988	0.136141	0.099909	0.06648	0.106305	0.165622	0.183553
0.192755	0.131398	0.129494	0.09625	0.06648	0.103522	0.160178	0.178375
69696.6568	41831.4654	10523.3885	5574.48981	5983.5094	20648.6932	35913.6173	29605.1291
179.166036	112.53629	32.919277	19.078533	19.288312	55.614489	98.488461	83.735789
949.9	618.1	609.14	495.88	282.94	510.16	753.48	799.12
0.027414	0.03244	0.035535	0.034429	0.027171	0.020852	0.024702	0.028718
14248.5	9271.5	9137.1	7438.2	4244.1	7652.4	11302.2	11986.8
81656.1674	63660.2002	45892.9302	50836.9977	34059.2277	47157.7695	72365.3092	66697.4423
2.721152	2.221364	1.473012	1.651191	1.898861	1.330623	2.514403	2.852835
12177.7024	6324.17807	2188.73579	824.05148	984.272587	4246.68312	6199.2266	6753.2255
4792.9	4551.4	4536.84	4974.62	4140.36	4825.24	4587.8	4351.34
13.616193	13.545833	13.5025	13.517989	13.619605	13.708068	13.654166	13.597937
4928	4704	4704	5152	4256	4928	4704	4480
14	14	14	14	14	14	14	14
949.9	618.1	609.14	495.88	282.94	510.16	753.48	799.12
41.294012	33.436813	22.411311	24.935926	28.494593	20.095818	38.176386	42.880013
41.294012	33.436813	22.411311	24.935926	28.494593	20.095818	38.176386	42.880013
81950.1674	63723.2002	46018.9302	51004.9977	34080.2277	47283.7695	72701.3092	66760.4423
150904.386	118615.059	116810.253	73072.8327	49488.3568	80109.9073	141066.328	142433.992

68954.219	54891.8591	70791.3225	22067.835	15408.1291	32826.1378	68365.019	75673.55
150904.386	118615.059	116810.253	73072.8327	49488.3568	80109.9073	141066.328	142433.992
146.35	118.44	101.35	90.16	63.41	77.36	150.71	162.28
12253.5106	21891.7349	35495.5417	45430.5079	28096.7183	26635.0763	36787.6919	37155.3132
21826.6133	36611.1961	80152.7489	64848.4337	40621.3376	44474.7505	70337.4352	78506.9779
3.880141	3.386736	3.398528	3.351381	2.127522	2.261635	4.330936	5.488112
138.053172	196.488128	463.22428	440.943234	217.321827	227.047792	340.198226	348.904966
106.973647	103.427671	89.241005	103.718449	154.176991	99.473379	100.149775	103.170285
41.609182	35.165408	23.151527	22.453335	21.584778	20.877893	38.746263	44.363222
949.9	618.1	609.14	495.88	282.94	510.16	753.48	799.12
2.698579	1.839583	1.812916	1.3475	0.930723	1.449318	2.2425	2.49725
68954.219	54891.8591	70791.3225	22067.835	15408.1291	32826.1378	68365.019	75673.55
68954.219	54891.8591	70791.3225	22067.835	15408.1291	32826.1378	68365.019	75673.55
811.846827	421.611871	145.915719	54.936765	65.618172	283.112207	413.281773	450.215033
69696.6568	41831.4654	10523.3885	5574.48981	5983.5094	20648.6932	35913.6173	29605.1291
2.27	4.03	5.22	7.83	4.28	3.54	4.59	4.74
-68954.219	-54891.859	-70791.322	-22067.835	-15408.129	-32826.138	-68365.019	-75673.55
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8.36	5.43	1.21	0.71	0.84	2.88	3.59	3.43
25852.2805	15854.3589	12826.368	10082.0806	6185.8787	13236.8334	19302.2533	19787.605
0.28	0.06	0.12	0.16	0.02	0.12	0.32	0.06
294	63	126	168	21	126	336	63
81950.1674	63723.2002	46018.9302	51004.9977	34080.2277	47283.7695	72701.3092	66760.4423
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81656.1674	63660.2002	45892.9302	50836.9977	34059.2277	47157.7695	72365.3092	66697.4423
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294	63	126	168	21	126	336	63
81950.1674	63723.2002	46018.9302	51004.9977	34080.2277	47283.7695	72701.3092	66760.4423
0.31	0.67	0.52	1.37	0.4	1.16	0.81	1.06
11.221423	11.287042	11.411087	11.212386	11.415053	11.361461	11.177751	11.23733
0.435917	0.394901	0.358085	0.381431	0.32718	0.35745	0.443777	0.430905
0.419849	0.378771	0.342812	0.367165	0.315246	0.345485	0.426088	0.413727
2460734.61	2111302.2	1615143.79	1870812.81	1463685.69	1932391.26	2333262.03	2054950.95
6666.17949	6069.81312	5566.645	6616.45177	4787.83765	5351.47399	6505.7227	5953.87357
54252.664	46719.856	42284.422	49601.476	35181.052	44643.324	52556.13	48601.37
0.035924	0.036747	0.036902	0.034846	0.033307	0.033365	0.037086	0.036661
599772.079	516828.484	473211.102	546710.251	392648.18	496885.446	576937.983	537135.947
1521685.24	1321756.71	1077622.06	1295312.1	999770.866	1192614.26	1546333.68	1386104.68
3.752603	3.745091	3.58877	3.693135	3.749862	3.647689	3.870505	3.812788
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110077.327	70081.4202	34131.7131	23273.1307	20305.1863	51818.1616	77332.0159	76501.6601
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353.224625	352.837005	352.288976	353.30688	353.631756	354.358414	353.031407	352.12139
129219.2	123345.6	123345.6	135092.8	111598.4	129219.2	123345.6	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
54252.664	46719.856	42284.422	49601.476	35181.052	44643.324	52556.13	48601.37

418.161189	333.892481	300.05822	270.733014	295.204137	269.782636	315.52735	355.329851
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2559719.19	2252574.58	1922788.2	2302389.61	1741259.44	2107016.64	2585757.33	2339519.77
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2460734.61	2111302.2	1615143.79	1870812.81	1463685.69	1932391.26	2333262.03	2054950.95
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329.58	310.93	280.88	298.34	271	325.32	292.55	272.8

461156.489	387382.003	321474.381	328513.727	286536.342	408684.267	419060.999	389779.745
7.37	5.83	5.28	4.96	5.02	6.5	6.63	7.78
47618.8351	44637.5475	40131.4049	47712.1818	38691.488	47633.5364	47374.8437	44265.8089
2811577.5	2479982.39	2130878.95	2551875.17	1925128.89	2332572.1	2835281.31	2567724.45
2811577.5	2479982.39	2130878.95	2551875.17	1925128.89	2332572.1	2835281.31	2567724.45
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2.96	1.94	6.01	16.45	4.24	4.49	3.59	8.69

7908406.01	6459660.48	4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41
2022451.56	1571234.68	708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4
5430.4874	4452.44409	2387.07028	2892.05738	2964.92819	4245.56174	4309.88382	3546.64796
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7908406.01	6459660.48	4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41
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2022451.56	1571234.68	708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4
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329.38	310.76	280.79	298.07	270.6	325.17	292.2	272.26
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267665.361 229872.022 251316.889 315439.19 266266.733 322464.372 460813.421 424345.481

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13.649146 18.327937 36.026751 30.013768 114.931882 29.365902 33.672229 115.458956
0.545965 0.916396 1.080802 2.100963 1.149318 0.587318 1.010166 2.309179
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301421.911 258598.702 282200.448 353968.887 299088.97 362352.683 517743.033 476817.327

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1994.2443	1945.69366	2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256
109950.633	100221.342	118851.899	167502.235	130673.403	164255.527	264173.029	202520.373
1994.2443	1945.69366	2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256
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1994.2443	1945.69366	2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256
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1994.2443	1945.69366	2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256
1994.2443	1945.69366	2552.61947	3715.39584	2942.23682	3368.84845	3868.00751	3096.34256
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14740.1865	14223.555	16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682
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14740.1865	14223.555	16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682
-870217.48	-760972.52	-768951.69	-930529.87	-793880.5	-997864.72	-1447659.7	-1271503.8
-870217.48	-760972.52	-768951.69	-930529.87	-793880.5	-997864.72	-1447659.7	-1271503.8
0.37	0.38	0.3	0.57	0.05	0.24	0.19	0.03
508063.167	459403.505	387476.786	404867.137	371769.396	506687.408	480060.663	436244.725
14740.1865	14223.555	16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682
14740.1865	14223.555	16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682
870217.478	760972.516	768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85
870217.478	760972.516	768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85
11.221423	11.287042	11.411087	11.212386	11.415053	11.361461	11.177751	11.23733
0.435917	0.394901	0.358085	0.381431	0.32718	0.35745	0.443777	0.430905
0.419849	0.378771	0.342812	0.367165	0.315246	0.345485	0.426088	0.413727
7908406.01	6459660.48	4546665.24	4802225.24	4269610.11	5957121.11	8177246.05	6996905.41
4483186.17	3682536.89	2323558.57	2694179.23	2379119.81	3474890.63	3888529.18	3285767.35
12096.6669	10522.2572	7953.71528	9508.50915	7752.76584	9597.03573	10815.6065	9500.52153
-58910.643	-54844.848	-38198.05	-33951.249	-40258.272	-61435.953	-46652.653	-41707.972
0.035924	0.036747	0.036902	0.034846	0.033307	0.033365	0.037086	0.036661
599772.079	516828.484	473211.102	546710.251	392648.18	496885.446	576937.983	537135.947
1521685.24	1321756.71	1077622.06	1295312.1	999770.866	1192614.26	1546333.68	1386104.68
3.752603	3.745091	3.58877	3.693135	3.749862	3.647689	3.870505	3.812788
865477.521	782775.869	713004.845	854577.829	631807.349	774482.563	870808.071	796996.172
110077.327	70081.4202	34131.7131	23273.1307	20305.1863	51818.1616	77332.0159	76501.6601
124335.068	118553.234	118369.096	130016.932	107504.054	124734.162	118618.553	112678.845
353.224625	352.837005	352.288976	353.30688	353.631756	354.358414	353.031407	352.12139
129219.2	123345.6	123345.6	135092.8	111598.4	129219.2	123345.6	117472
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
54252.664	46719.856	42284.422	49601.476	35181.052	44643.324	52556.13	48601.37
418.161189	333.892481	300.05822	270.733014	295.204137	269.782636	315.52735	355.329851
44.029864	44.096075	42.725602	43.196108	44.383598	43.17581	45.217233	44.802165
2559719.19	2252574.58	1922788.2	2302389.61	1741259.44	2107016.64	2585757.33	2339519.77
5090615.84	4271854.77	3714621.55	3625847.18	2906302.08	3605663.26	5528311.31	4944339.58
127903.494	115788.259	97074.6249	103943.335	92980.6881	127211.854	120564.482	110260.811
2530896.65	2019280.19	1791833.35	1323457.58	1165042.64	1498646.62	2942553.98	2604819.81

5960833.32	5032827.29	4483573.24	4556377.06	3700182.58	4603527.98	6975971.03	6215843.42
1649.81	1427.61	1344.73	1422.1	1126.54	1344.85	1599.47	1571.5
52608.3478	97126.4561	268111.759	384682.08	239190.081	127613.608	206396.857	240873.666
44.246318	40.618751	34.928732	35.127636	35.086164	35.787469	49.832394	46.754925
2022451.56	1571234.68	708414.783	823366.422	915434.122	1542499.38	1555267.15	1230816.4
329.38	310.76	280.79	298.07	270.6	325.17	292.2	272.26
304.129354	288.291183	237.509692	217.11728	234.975378	289.315539	261.258122	264.997736
10.867635	10.681813	8.320367	7.456843	9.003892	11.420968	9.448068	9.270029
59,455	55,612	41,898	38,184	42,111	62,373	48,380	43,919
84527.6999	152699.223	652938.219	586464.957	352936.86	197898.525	363834.469	458827.36
1.141181	1.164723	1.987505	2.691824	1.536529	0.844108	1.679671	2.277616
544	767	3,700	4,233	1,852	937	1,727	2,211
61.070941	51.344573	38.222785	44.553632	43.902921	43.719967	59.385448	57.334891
60.950604	51.335458	38.195548	44.459823	43.875246	43.691895	59.311465	57.295535
-58910.643	-54844.848	-38198.05	-33951.249	-40258.272	-61435.953	-46652.653	-41707.972
-167.35978	-163.22871	-113.68467	-92.258829	-132.42853	-174.53396	-138.84718	-130.33741
-4759150.2	-3906815.6	-2193971	-2797723.4	-2494556.4	-3686165.2	-4036556.3	-3348786.4
-37.115579	-33.690512	-22.507195	-26.905786	-26.830026	-29.006591	-33.502995	-30.388017
-4759150.2	-3906815.6	-2193971	-2797723.4	-2494556.4	-3686165.2	-4036556.3	-3348786.4
68448.7364	60176.5971	55176.3948	65759.1329	50870.0527	64838.7615	72184.5419	66341.5422
2460734.61	2111302.2	1615143.79	1870812.81	1463685.69	1932391.26	2333262.03	2054950.95
4507291.88	3679407.78	1985880.2	2548237.79	2310686.96	3460609.77	3787032.34	3120581.75
6445215.74	5097943.24	2041356.77	2785139.25	2873184.23	4805210.63	4978465.03	3892570.79
1097123.15	962573.766	806025.792	837324.199	751286.427	1042583.53	1019686.14	936285.281
7.37	5.83	5.28	4.96	5.02	6.5	6.63	7.78
47618.8351	44637.5475	40131.4049	47712.1818	38691.488	47633.5364	47374.8437	44265.8089
10719983.5	8939642.87	6677544.2	7354100.41	6194738.99	8289693.21	11012527.4	9564629.86
10719983.5	8939642.87	6677544.2	7354100.41	6194738.99	8289693.21	11012527.4	9564629.86
2387162.76	2104532.58	1790626.9	2149889.93	1631578.22	1967096.83	2417141.75	2183100.85
68992.8505	60943.411	58876.5747	69992.0862	52722.4157	65775.9012	73911.8281	68552.8382
47618.8351	44637.5475	40131.4049	47712.1818	38691.488	47633.5364	47374.8437	44265.8089
10719983.5	8939642.87	6677544.2	7354100.41	6194738.99	8289693.21	11012527.4	9564629.86
124937.602	103404.456	92029.8898	104787.495	70989.7368	92286.2814	121240.733	112153.11
14740.1865	14223.555	16592.1527	20390.6102	17541.3637	21132.5772	21355.6981	19951.4682
870217.478	760972.516	768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85
870217.478	760972.516	768951.69	930529.873	793880.504	997864.718	1447659.72	1271503.85

2037-03	2037-04	2037-05	2037-06	2037-07	2037-08	2037-09	2037-10
52.095995	47.379855	49.016065	48.631075	61.335775	55.753405	46.994865	47.283605
21.13965	21.139549	21.139574	21.13965	21.139562	21.139625	21.139599	21.139574
51.968146	47.252006	48.888216	48.503226	61.207926	55.625556	46.867016	47.155756
52.066492	47.350352	48.986562	48.601572	61.306271	55.723901	46.965362	47.254102
51.3289	46.61276	48.24897	47.86398	60.56868	54.98631	46.22777	46.51651
51.614102	46.897962	48.534172	48.149182	60.853882	55.271512	46.512972	46.801712
52.046822	47.330682	48.966892	48.581902	61.286602	55.704232	46.945692	47.234432
52.086161	47.370021	49.006231	48.621241	61.325941	55.743571	46.985031	47.273771
26.701925	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925
1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
51.78129	47.06515	48.70136	48.31637	61.02107	55.4387	46.680159	46.9689
7.133812	6.360531	5.947721	5.93136	5.942571	5.941336	5.968533	6.112492
39.304441	36.095899	37.152307	36.89429	45.365017	41.643339	35.806577	36.011065
39.304441	36.095899	37.152307	36.89429	45.365017	41.643339	35.806577	36.011065

0.83364	0.55576	0.55576	0.55576	0.55576	0.55576	0.41682	0.416819
0.008075	0.010984	0.01816	0.008131	0.006714	0.00673	0.01291	0.010782
0.007954	0.010984	0.017777	0.008131	0.006714	0.00664	0.012354	0.009621
2470.91323	2844.49927	3442.90385	4094.43555	13929.1825	10344.1658	3442.70711	2580.87685
7.902744	10.119642	12.67833	11.323609	34.295869	28.414188	10.10045	8.790176
63	87	128	64.4	55.6	50.2	93.4	76.2
0.02767	0.031988	0.037562	0.02571	0.030625	0.027529	0.032916	0.027698
875.321999	1208.778	1778.432	894.773599	772.5064	697.478799	1297.6996	1058.7228
23372.7829	32276.7002	47487.559	23892.1781	20627.4084	18624.027	34651.0782	28269.9375
1.699915	1.133277	1.133277	1.133277	1.133277	1.133277	0.849957	0.849957
1426.77486	1970.30814	2898.84416	1458.48097	1259.18543	1136.89044	2115.25035	1725.71816
7700.85	7666.65	6929.55	7716.375	8026.425	7351.875	7311.15	7700.625
21.877414	21.780255	21.654843	21.921519	21.810937	21.88058	21.759375	21.876775
7920	7920	7200	7920	8280	7560	7560	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
63	87	128	64.4	55.6	50.2	93.4	76.2
23.888675	15.82072	15.97473	15.842178	15.830671	15.872121	11.877097	11.947432
23.888675	15.82072	15.97473	15.842178	15.830671	15.872121	11.877097	11.947432
24943.739	34403.459	50641.4896	25472.7577	22007.4218	19861.4321	36944.6124	30147.7955
37390.5609	49794.3202	108248.365	36272.8745	27102.5008	26516.4147	183303.224	42120.2008
12446.8219	15390.8612	57606.875	10800.1168	5095.07907	6654.98264	146358.612	11972.4052
37390.5609	49794.3202	108248.365	36272.8745	27102.5008	26516.4147	183303.224	42120.2008
10.77	13	8.82	12.08	14.4	12.13	15.31	6.47
22472.8258	31558.9597	47198.5858	21378.3221	8078.23926	9517.26624	33501.9053	27566.9187
33808.6493	45088.5105	102188.558	30226.2865	9686.72003	12900.8367	158517.205	38586.9262
1.156972	0.796841	0.791447	0.773006	0.617398	0.582332	0.591937	0.596999
56.747116	79.80172	119.318033	54.038636	20.381495	24.059625	84.687898	69.683353
397.904318	402.686688	396.895113	403.577519	403.451461	402.639385	400.692752	401.266517
11.937129	8.053733	11.906853	16.1431	16.138058	16.052999	12.020782	8.02533
63	87	128	64.4	55.6	50.2	93.4	76.2
0.178977	0.247159	0.4	0.182954	0.151086	0.149404	0.277976	0.216477
12446.8219	15390.8612	57606.875	10800.1168	5095.07907	6654.98264	146358.612	11972.4052
12446.8219	15390.8612	57606.875	10800.1168	5095.07907	6654.98264	146358.612	11972.4052
6.252883	7.198279	8.681966	10.361363	35.218504	26.140374	8.712101	6.516646
2470.91323	2844.49927	3442.90385	4094.43555	13929.1825	10344.1658	3442.70711	2580.87685
0.38	0.62	0.47	0.44	0.37	0.29	0.34	0.45
-12446.822	-15390.861	-57606.875	-10800.117	-5095.0791	-6654.9826	-146358.61	-11972.405
-46255.471	-60479.372	-159795.43	-41026.403	-14781.799	-19555.819	-304875.82	-50559.331
0.03	0.02	0.01	0.06	0.31	0.2	0.01	0.01
974.0664	1238.4039	1758.2557	1077.6555	1090.8274	895.1098	1416.0297	1107.2447
0.04	0.02	0.05	0.02	0.03	0.02	0.03	0.03
48.4212	24.2106	60.5265	24.2106	36.3159	24.2106	36.3159	36.3159
24943.739	34403.459	50641.4896	25472.7577	22007.4218	19861.4321	36944.6124	30147.7955
24943.739	34403.459	50641.4896	25472.7577	22007.4218	19861.4321	36944.6124	30147.7955
24799.5578	34247.0084	50386.4031	25350.6591	21886.5939	19760.9175	36766.3285	29995.6556

63	87	128	64.4	55.6	50.2	93.4	76.2
48.4212	24.2106	60.5265	24.2106	36.3159	24.2106	36.3159	36.3159
24943.739	34403.459	50641.4896	25472.7577	22007.4218	19861.4321	36944.6124	30147.7955
95.759999	132.24	194.559999	97.887999	84.512	76.303999	141.968	115.824
4.332739	3.579219	2.8257	3.7676	6.310729	4.52112	1.60123	3.39084
0.235649	0.183628	0.167738	0.210544	0.29966	0.27019	0.09406	0.184122
0.227215	0.177897	0.160031	0.200738	0.290706	0.26122	0.091994	0.177471
198086.368	109509.356	74027.7986	185443.11	394735.739	317489.21	79221.0673	140553.423
627.340846	383.369988	266.728498	568.942047	1038.59006	894.649178	259.365342	475.815041
4638.84	3631.96	2970.18	4098.28	6204.84	5090.66	1792.78	3623.26
0.032301	0.029829	0.030281	0.033721	0.030842	0.026785	0.029791	0.028011
43693.234	34209.4312	27976.1254	38601.6993	58443.388	47948.9265	16886.1948	34127.4859
214208.54	184866.481	163702.556	194347.532	331102.14	270216.901	94828.1789	204033.373
2.472547	2.139557	1.654058	2.126519	3.807916	2.687705	1.046738	2.305981
35588.3728	19439.9486	11553.2984	30668.2307	58084.2754	47017.4797	12389.6354	19768.0772
19756.54	19807	17997.98	19727.54	20685.7	18966	18907.42	19844.12
56.126534	56.269886	56.243687	56.044147	56.211141	56.446428	56.272083	56.37534
20416	20416	18560	20416	21344	19488	19488	20416
58	58	58	58	58	58	58	58
4638.84	3631.96	2970.18	4098.28	6204.84	5090.66	1792.78	3623.26
28.264718	24.248007	18.897083	24.445003	43.179704	30.470803	11.687916	25.602923
28.264718	24.248007	18.897083	24.445003	43.179704	30.470803	11.687916	25.602923
263660.283	223640.79	195449.816	238119.564	397425.045	324484.706	113966.4	242809.947
625460.028	538607.761	662300.863	582896.935	811477.596	649616.105	706477.985	525896.742
361799.745	314966.971	466851.047	344777.371	414052.551	325131.399	592511.585	283086.795
625460.028	538607.761	662300.863	582896.935	811477.596	649616.105	706477.985	525896.742
157.69	123.03	98.73	124.38	213.43	151.86	88.17	117.39
65573.915	114131.434	121422.017	52676.4541	2689.30573	6995.49551	34745.3325	102256.524
149512.142	248308.851	403178.365	108591.546	4416.31886	12416.5756	204915.854	231888.515
9.796982	15.817939	12.718112	9.190704	3.176897	5.595951	5.83544	11.584911
860.480005	1568.05209	1743.58499	842.283532	38.126395	98.890208	477.392438	1524.5152
70.671285	66.455272	64.076057	63.485277	71.551581	69.799756	71.579605	73.797146
29.610903	21.849513	19.029047	25.29536	47.224043	32.800519	12.099962	25.801028
4638.84	3631.96	2970.18	4098.28	6204.84	5090.66	1792.78	3623.26
13.178522	10.318068	9.281812	11.64284	16.860978	15.150773	5.335654	10.293352
361799.745	314966.971	466851.047	344777.371	414052.551	325131.399	592511.585	283086.795
361799.745	314966.971	466851.047	344777.371	414052.551	325131.399	592511.585	283086.795
3778.35999	2063.90791	1226.59501	3255.99647	6166.7136	4991.76979	1315.38756	2098.7448
198086.368	109509.356	74027.7986	185443.11	394735.739	317489.21	79221.0673	140553.423
5.59	5.63	5.15	4.73	0.63	1.69	2.42	10.46
-361799.75	-314966.97	-466851.05	-344777.37	-414052.55	-325131.4	-592511.59	-283086.79
-511311.89	-563275.82	-870029.41	-453368.92	-418468.87	-337547.97	-797427.44	-514975.31
3.88	2.09	1.21	6.2	22.2	18.15	2.36	5.41
24993.8691	17664.1976	14060.775	22630.031	41003.9674	31382.3247	9251.2775	18123.842
0.42	0.43	0.42	0.52	0.88	0.46	0.21	0.6
233.6502	239.2133	233.6502	289.2812	489.5528	255.9026	116.8251	333.786

263660.283	223640.79	195449.816	238119.564	397425.045	324484.706	113966.4	242809.947
263660.283	223640.79	195449.816	238119.564	397425.045	324484.706	113966.4	242809.947
214208.54	184866.481	163702.556	194347.532	331102.14	270216.901	94828.1789	204033.373
4638.84	3631.96	2970.18	4098.28	6204.84	5090.66	1792.78	3623.26
233.6502	239.2133	233.6502	289.2812	489.5528	255.9026	116.8251	333.786
263660.283	223640.79	195449.816	238119.564	397425.045	324484.706	113966.4	242809.947
49218.0924	38535.0956	31513.6098	43482.7508	65833.3524	54011.9026	19021.3958	38442.7886
1.12	2.95	1.48	1.57	0.23	0.37	0.54	2.63
11.157142	11.181679	11.322489	11.191984	10.99763	11.072901	11.419116	11.188522
0.601976	0.579257	0.524046	0.585891	0.671695	0.649129	0.474228	0.584947
0.582806	0.558301	0.505914	0.565498	0.646435	0.62853	0.455439	0.563553
906261.453	855755.847	747753.376	933772.557	1117755.02	993926.874	735482.477	929416.031
2923.68267	3054.19554	2740.0441	3009.49462	3045.71458	2855.2088	2536.5019	3233.53505
22771.404	21813.968	17970.07	22095.16	26405.612	23441.664	16986.068	22019.18
0.03321	0.036931	0.03475	0.035028	0.039429	0.03369	0.040386	0.037272
250091.466	240367.962	200169.246	243223.534	286787.4	255481.279	191468.787	242399.744
422756.32	405423.637	340300.174	411942.59	485326.558	431495.299	324401.914	408924.178
3.711	3.711	3.711	3.711	3.711	3.711	3.711	3.711
505434.853	485783.651	404542.045	491554.762	579597.335	516327.664	386958.419	489889.883
37774.41	37629	34285.68	37703.37	39237.39	36039.48	35789.73	37615.68
107.313664	106.900568	107.14275	107.111846	106.623342	107.260357	106.517053	106.862727
39072	39072	35520	39072	40848	37296	37296	39072
111	111	111	111	111	111	111	111
22771.404	21813.968	17970.07	22095.16	26405.612	23441.664	16986.068	22019.18
43.824933	44.03815	44.542097	44.0704	43.341871	43.588637	45.033841	43.989417
43.443117	43.537238	44.046086	43.56767	42.850667	43.131829	44.409687	43.559981
981451.908	944876.748	788641.987	957096.241	1129235.83	1004272.6	754763.947	951936.39
1644398.04	1455933.46	1411902.21	1533097.34	2090602.87	1728245.05	1544366.39	1483484.07
662946.131	511056.708	623260.218	576001.103	961367.042	723972.441	789602.447	531547.683
1644398.04	1455933.46	1411902.21	1533097.34	2090602.87	1728245.05	1544366.39	1483484.07
340.31	339	308.88	339.67	353.49	324.68	322.43	338.88
68326.4547	79897.4014	33702.861	14743.6838	970.30824	1658.47998	10486.97	14262.109
138101.982	206674.252	112492.649	26537.3853	1318.29814	2274.93075	34838.7259	33085.464
14.305902	17.498748	9.090355	7.953035	1.658793	2.320164	4.169201	7.823422
1734.48184	2013.71051	816.18371	364.740268	25.331829	43.99611	254.515369	350.099655
30.777923	26.867584	19.00297	27.295797	35.446098	35.256089	12.745232	28.058803
30.705338	26.836765	18.997571	27.290895	35.445515	35.25527	12.74189	28.055282
22771.404	21813.968	17970.07	22095.16	26405.612	23441.664	16986.068	22019.18
64.691488	61.9715	56.156468	62.77034	71.75438	69.766857	50.553773	62.554488
532223.321	385416.374	518631.753	448868.162	811463.269	590432.377	689521.712	404845.337
532223.321	385416.374	518631.753	448868.162	811463.269	590432.377	689521.712	404845.337
21036.9222	19800.2575	17153.8863	21730.4197	26380.2802	23397.6679	16731.5526	21669.0803
906261.453	855755.847	747753.376	933772.557	1117755.02	993926.874	735482.477	929416.031
9.03	11.62	2.52	1.36	0.09	0.04	1.19	3.32
-662946.13	-511056.71	-623260.22	-576001.1	-961367.04	-723972.44	-789602.45	-531547.68
-801048.11	-717730.96	-735752.87	-602538.49	-962685.34	-726247.37	-824441.17	-564633.15

254.4	250.16	242.23	257.29	242.58	231.79	279.68	259.42
103066.251	92025.9081	81806.4574	103264.784	126027.187	110679.089	91476.1465	94723.1994
0.64	0.86	0.67	0.8	0.98	0.81	0.82	0.77
6864	9223.5	7185.75	8580	10510.5	8687.25	8794.5	8258.25
1112174.72	1070517.08	893270.452	1084229.18	1279139.6	1137812.67	854844.682	1078638.74
1112174.72	1070517.08	893270.452	1084229.18	1279139.6	1137812.67	854844.682	1078638.74
928191.172	891207.289	744842.219	903497.352	1064923.89	947822.964	711360.333	898814.061
22771.404	21813.968	17970.07	22095.16	26405.612	23441.664	16986.068	22019.18
6864	9223.5	7185.75	8580	10510.5	8687.25	8794.5	8258.25
1112174.72	1070517.08	893270.452	1084229.18	1279139.6	1137812.67	854844.682	1078638.74
46396.7357	44445.9598	36614.0176	45018.8885	53801.4345	47762.3904	34609.1136	44864.0793
14.07	17.42	6.25	3.89	0.51	0.55	2.88	6.12
0.9	0.6	0.6	0.6	0.9	0.6	0.45	0.3
0.007997	0.010568	0.018532	0.007784	0.006108	0.00616	0.013533	0.010028
0.007982	0.010568	0.018531	0.007784	0.005652	0.00616	0.013482	0.010028
194.558375	374.58214	428.102986	396.302921	1534.7922	1120.64438	464.955078	571.722818
0.625357	1.330992	1.588076	1.080906	3.731409	3.093003	1.350311	1.941572
8.43	11.16	17.79	8.22	6.24	6.21	13.59	10.59
0.028267	0.029431	0.025343	0.030482	0.034972	0.0325	0.034077	0.02321
126.45	167.4	266.85	123.3	93.6	93.15	203.85	158.85
3376.45849	4469.90235	7125.40885	3292.34743	2499.30024	2487.28437	5443.18754	4241.60088
1.693993	1.129329	1.129329	1.129329	1.693993	1.129329	0.846996	0.564664
193.632884	256.339619	408.627404	188.80929	143.32968	142.640595	312.155505	243.247004
1026.15	1024.92	935.67	1023.81	1065.39	975.24	973.65	1031.49
2.915198	2.911704	2.923968	2.908551	2.895081	2.9025	2.897767	2.930369
1056	1056	960	1056	1104	1008	1008	1056
3	3	3	3	3	3	3	3
8.43	11.16	17.79	8.22	6.24	6.21	13.59	10.59
25.409903	16.939935	16.939935	16.939935	25.409903	16.939935	12.704951	8.469967
25.409903	16.939935	16.939935	16.939935	25.409903	16.939935	12.704951	8.469967
3570.09138	4726.24197	7534.03626	3481.15672	2642.62992	2629.92497	5755.34304	4484.84789
5199.67162	6691.06025	15655.6917	4847.75632	3189.07674	3440.13386	28744.9652	6050.27248
1629.58024	1964.81828	8121.6554	1366.5996	546.446818	810.208897	22989.6221	1565.42459
5199.67162	6691.06025	15655.6917	4847.75632	3189.07674	3440.13386	28744.9652	6050.27248
2.81	3.72	5.93	2.74	2.08	2.07	4.53	3.53
3375.533	4351.65983	7105.93327	3084.8538	1107.83772	1509.28058	5290.38796	3913.12507
4930.59559	6118.62971	15042.5373	4279.38251	1318.95069	1991.29419	25370.3724	5296.36863
0.178979	0.119801	0.119693	0.119961	0.118774	0.11866	0.08994	0.06
7.970592	10.275505	16.779127	7.284216	2.615919	3.56384	12.492108	9.24
423.498384	423.498384	423.498384	423.498384	423.498384	423.498384	423.498384	
12.704951	4.234983	4.234983	4.234983	8.469967	8.469967	4.234983	
8.43	11.16	17.79	8.22	6.24	6.21	13.59	10.59
0.023948	0.031704	0.055593	0.023352	0.016956	0.018482	0.040446	0.030085
1629.58024	1964.81828	8121.6554	1366.5996	546.446818	810.208897	22989.6221	1565.42459
1629.58024	1964.81828	8121.6554	1366.5996	546.446818	810.208897	22989.6221	1565.42459

0.459407	0.884494	1.010872	0.935783	3.62408	2.646159	1.097891	1.35
194.558375	374.58214	428.102986	396.302921	1534.7922	1120.64438	464.955078	571.722818
	0.01						
-1629.5802	-1964.8183	-8121.6554	-1366.5996	-546.44682	-810.2089	-22989.622	-1565.4246
-6560.1758	-8083.448	-23164.193	-5645.9821	-1865.3975	-2801.5031	-48359.995	-6861.7932
867.1087	1062.5024	1630.8229	921.5642	821.4112	737.551	1367.5654	1028.4178
0.91	0.56	0.5	0.51	0.66	0.44	0.49	0.36
3570.09138	4726.24197	7534.03626	3481.15672	2642.62992	2629.92497	5755.34304	4484.84789
3570.09138	4726.24197	7534.03626	3481.15672	2642.62992	2629.92497	5755.34304	4484.84789
3570.09138	4726.24197	7534.03626	3481.15672	2642.62992	2629.92497	5755.34304	4484.84789
8.43	11.16	17.79	8.22	6.24	6.21	13.59	10.59
3570.09138	4726.24197	7534.03626	3481.15672	2642.62992	2629.92497	5755.34304	4484.84789
11.826304	11.869302	12.187455	11.918017	11.59287	11.696587	12.407237	11.940382
0.650487	0.634714	0.548675	0.628251	0.725268	0.695608	0.482541	0.621504
0.622657	0.603656	0.525727	0.601121	0.69433	0.662705	0.461985	0.597624
319342.567	310341.17	252242.1	310616.126	367175.363	321921.519	237546.851	308678.453
1032.84449	1110.42088	925.123873	1003.84981	1001.99187	925.851205	821.49974	1075.58211
9424.55	9136.94	7234.01	9098.58	10987.08	9574.77	6674.77	9045.65
0.044602	0.050738	0.043437	0.045539	0.045326	0.046666	0.043869	0.040795
108926.35	105947.641	85846.3765	105683.647	125090.447	109669.304	80961.7817	105288.581
183750.613	178497.637	145635.294	179120.069	211245.158	185290.708	137200.765	177698.926
2.8206	2.8206	2.820599	2.8206	2.8206	2.8206	2.820599	2.8206
123152.131	119784.403	97057.9133	119485.932	141427.259	123992.115	91535.3904	119039.269
14460.9	14368.02	13162.3	14446.71	15106.76	13773.76	13814.18	14518.52
41.082102	40.818238	41.132187	41.041789	41.050978	40.993333	41.11363	41.245795
15136	15136	13760	15136	15824	14448	14448	15136
43	43	43	43	43	43	43	43
9424.55	9136.94	7234.01	9098.58	10987.08	9574.77	6674.77	9045.65
35.429076	35.682856	36.626263	35.674723	34.697684	34.978155	37.211596	35.720223
34.685369	34.8095	35.682865	34.924974	34.028594	34.316506	36.307986	35.001974
324700.11	316919.661	257864.255	316132.203	373327.911	327119.36	242691.654	313717.177
652390.13	572216.333	578400.029	601997.658	826181.688	664312.972	550689.67	590694.166
327690.02	255296.671	320535.774	285865.455	452853.777	337193.612	307998.016	276976.989
652390.13	572216.333	578400.029	601997.658	826181.688	664312.972	550689.67	590694.166
336.3	334.14	306.1	335.97	351.32	320.32	321.26	337.64
0.583871	1.630097						
0.808234	3.834443						
0.009594	0.018603						
0.019188	0.055809						
29.631431	27.964888	17.870944	22.385897	32.020138	27.606724	8.99266	25.121387
5.926286	8.669115	3.752898	4.25332	6.083826	5.797412	2.338091	6.029132
9424.55	9136.94	7234.01	9098.58	10987.08	9574.77	6674.77	9045.65
26.774289	25.957215	22.606281	25.848238	29.856195	28.496339	19.865386	25.697869
270754.217	199917.839	275663.873	230624.612	387469	279869.467	265679.293	221942.648
270754.217	199917.839	275663.873	230624.612	387469	279869.467	265679.293	221942.648

9424.53081	9136.88419	7234.01	9098.58	10987.08	9574.77	6674.77	9045.65
319342.567	310341.17	252242.1	310616.126	367175.363	321921.519	237546.851	308678.453
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-327690.83	-255300.51	-320535.77	-285865.45	-452853.78	-337193.61	-307998.02	-276976.99
2.03	3.94	2.63	2.77	1.71	2.13	2.78	2.68
100190.418	89702.5726	80481.3989	101117.646	124157.765	107664.05	90008.5882	93732.2383
1.01	1.24	1.06	1.04	1.16	0.98	0.97	0.95
5356.9592	6576.8608	5622.1552	5516.0768	6152.5472	5197.8416	5144.8024	5038.724
381635.913	372298.493	302736.156	371373.046	438712.687	384443.505	285010.377	368751.518
381635.913	372298.493	302736.156	371373.046	438712.687	384443.505	285010.377	368751.518
306902.745	298282.04	242693.207	298606.001	352672.418	309282.822	228736.155	296738.195
9424.55	9136.94	7234.01	9098.58	10987.08	9574.77	6674.77	9045.65
5356.9592	6576.8608	5622.1552	5516.0768	6152.5472	5197.8416	5144.8024	5038.724
381635.913	372298.493	302736.156	371373.046	438712.687	384443.505	285010.377	368751.518
12440.406	12060.7608	9548.8932	12010.1256	14502.9456	12638.6964	8810.6964	11940.258
0.9	0.6	0.6	0.6	0.9	0.6	0.45	0.3
0.007982	0.010549	0.018392	0.007684	0.005818	0.006165	0.01356	0.010028
0.007982	0.010198	0.017781	0.006931	0.005652	0.00616	0.013511	0.010028
153.148508	355.738642	391.883908	383.549963	1448.36447	1087.96003	445.668021	565.095326
0.491551	1.266956	1.458304	1.04806	3.520585	3.008273	1.296806	1.919473
8.43	10.77	17.07	7.32	6.24	6.21	13.62	10.59
0.034318	0.030227	0.029531	0.041619	0.044646	0.019702	0.023005	0.027272
126.45	161.55	256.05	109.8	93.6	93.15	204.3	158.85
3376.45849	4313.69608	6837.02806	2931.87143	2499.30024	2487.28437	5455.2034	4241.60088
1.693993	1.129329	1.129329	1.129329	1.693993	1.129329	0.846996	0.564664
193.632884	247.381514	392.089364	168.13674	143.32968	142.640595	312.84459	243.247004
1019.76	1024.08	931.65	1012.05	1054.71	988.14	984.81	1027.2
2.897045	2.909318	2.911406	2.875142	2.866059	2.940892	2.930982	2.918181
1056	1056	960	1056	1104	1008	1008	1056
3	3	3	3	3	3	3	3
8.43	10.77	17.07	7.32	6.24	6.21	13.62	10.59
25.409903	16.939935	16.939935	16.939935	25.409903	16.939935	12.704951	8.469967
25.409903	16.939935	16.939935	16.939935	25.409903	16.939935	12.704951	8.469967
3570.09138	4561.0776	7229.11742	3100.00817	2642.62992	2629.92497	5768.04799	4484.84789
5199.67162	6503.40684	15250.5069	4276.50648	3188.43224	3440.13386	28757.9712	6050.27248
1629.58024	1942.32924	8021.38945	1176.4983	545.802318	810.208897	22989.9232	1565.42459
5199.67162	6503.40684	15250.5069	4276.50648	3188.43224	3440.13386	28757.9712	6050.27248
2.81	3.59	5.69	2.44	2.08	2.07	4.54	3.53
3416.94287	4205.33896	6837.23351	2716.45821	1194.26544	1541.96494	5322.37997	3919.75256
4992.74484	5974.36212	14689.8937	3733.68425	1417.52901	2028.52571	25460.6941	5305.32757
0.179967	0.12	0.119486	0.119721	0.12	0.118668	0.08966	0.059906
8.068372	9.93	16.14465	6.414329	2.82	3.641017	12.567651	9.255649
423.498384		423.498384	474.758378		423.498384	423.498384	424.053626
4.234983		8.469967	14.242751		8.469967	8.469967	8.481072

8.43	10.77	17.07	7.32	6.24	6.21	13.62	10.59
0.023948	0.030596	0.053343	0.020795	0.016956	0.018482	0.040535	0.030085
1629.58024	1942.32924	8021.38945	1176.4983	545.802318	810.208897	22989.9232	1565.42459
1629.58024	1942.32924	8021.38945	1176.4983	545.802318	810.208897	22989.9232	1565.42459
0.361627	0.84	0.925349	0.90567	3.42	2.568982	1.052348	1.33435
153.148508	355.738642	391.883908	383.549963	1448.36447	1087.96003	445.668021	565.095326
0.11	0.14	0.2	0.11		0.01	0.07	0.01
-1629.5802	-1942.3292	-8021.3895	-1176.4983	-545.80232	-810.2089	-22989.923	-1565.4246
-6622.3251	-7916.6914	-22711.283	-4910.1826	-1963.3313	-2838.7346	-48450.617	-6870.7522
			0.06				0.01
867.1087	1026.9935	1566.6114	826.1433	818.6778	737.551	1370.1406	1028.4178
0.91	0.53	0.49	0.47	0.67	0.44	0.5	0.36
3570.09138	4561.0776	7229.11742	3100.00817	2642.62992	2629.92497	5768.04799	4484.84789
3570.09138	4561.0776	7229.11742	3100.00817	2642.62992	2629.92497	5768.04799	4484.84789
3570.09138	4561.0776	7229.11742	3100.00817	2642.62992	2629.92497	5768.04799	4484.84789
8.43	10.77	17.07	7.32	6.24	6.21	13.62	10.59
3570.09138	4561.0776	7229.11742	3100.00817	2642.62992	2629.92497	5768.04799	4484.84789
6.004673	4.439684	3.168795	4.733135	8.444191	6.297406	2.288016	4.133432
0.199465	0.141856	0.135756	0.1658	0.220397	0.195249	0.072269	0.120619
0.195897	0.137914	0.130868	0.162147	0.213945	0.188636	0.070833	0.118017
89232.822	39515.0199	21355.2368	85324.4541	274327.988	196613.95	26136.2849	27468.9029
280.898988	139.436623	77.020064	250.024574	708.805625	540.69534	82.899091	91.533821
3447.8	2427.3	2093.9	2853.8	3936.6	3169.1	1190	2077.1
0.026889	0.033309	0.031453	0.02838	0.029375	0.025491	0.028511	0.030852
49893.4	35138.1	30431.5	41339.8	56945.4	45807.1	17226.4	29932.3
217818.73	191596.452	174622.897	202010.325	309123.886	246085.436	92986.3907	153981.607
1.914768	1.62623	1.239026	1.641832	3.363414	2.425987	0.981998	1.737846
28910.2257	11319.0186	4329.83345	18374.3712	50830.6349	36847.5976	5157.07464	5687.49512
17144.6	17011.5	15506.8	17119.4	17887.4	16386.9	16252.9	17062.7
48.70625	48.328125	48.45875	48.634659	48.607065	48.770535	48.371726	48.473579
17600	17600	16000	17600	18400	16800	16800	17600
50	50	50	50	50	50	50	50
3447.8	2427.3	2093.9	2853.8	3936.6	3169.1	1190	2077.1
51.52158	46.292561	35.222678	46.481881	92.720176	66.972835	25.348782	43.19335
27.524462	23.382859	17.9462	23.711658	48.530856	34.799627	14.048922	24.818422
218860.14	192312.824	175496.442	202997.643	310609.082	246981.08	93332.6557	154692.915
483132.774	415802.715	517522.786	464419.346	585092.361	463308.243	607014.941	358568.549
264272.634	223489.891	342026.344	261421.702	274483.279	216327.163	513682.285	203875.634
483132.774	415802.715	517522.786	464419.346	585092.361	463308.243	607014.941	358568.549
274.41	192.17	152.36	196.51	336.49	244.58	148.45	181.18
129627.318	152797.804	154141.205	117673.189	36281.0941	50367.13	67196.3707	127224.012
271777.18	300176.405	447740.106	258539.779	63041.9788	86386.5716	415310.291	293077.312
6.998424	6.639776	4.93784	6.080265	5.272349	5.173051	3.113127	5.936496
1431.41262	1635.20592	1790.02854	1565.00063	401.869229	596.965432	827.063103	1676.20478
91.818107	94.578047	93.364752	94.253945	105.919862	99.560053	102.953976	104.103584
32.978659	25.500129	19.604232	31.095788	61.288521	43.741956	14.390597	27.059001

3447.8	2427.3	2093.9	2853.8	3936.6	3169.1	1190	2077.1
9.794886	6.895738	6.543437	8.107386	10.697282	9.431845	3.541666	5.900852
264272.634	223489.891	342026.344	261421.702	274483.279	216327.163	513682.285	203875.634
264272.634	223489.891	342026.344	261421.702	274483.279	216327.163	513682.285	203875.634
2016.38738	792.094075	303.871464	1288.79937	3534.73077	2572.13457	362.936896	400.89522
89232.822	39515.0199	21355.2368	85324.4541	274327.988	196613.95	26136.2849	27468.9029
28.42	25.23	30.06	35.08	18.25	22.32	12.38	26.41
-264272.63	-223489.89	-342026.34	-261421.7	-274483.28	-216327.16	-513682.29	-203875.63
-536049.81	-523666.3	-789766.45	-519961.48	-337525.26	-302713.73	-928992.58	-496952.95
4.96	1.5	2	10.8	46.47	28.36	2.36	2.45
39672.1399	25251.1194	22060.6149	34235.0305	55584.6477	41502.4145	13081.706	21215.2277
0.24	0.16	0.35	0.34	0.64	0.2	0.07	0.34
218.482	130.716	307.649	284.774	556.476	166.196	59.289	279.172
218860.14	192312.824	175496.442	202997.643	310609.082	246981.08	93332.6557	154692.915
218860.14	192312.824	175496.442	202997.643	310609.082	246981.08	93332.6557	154692.915
217818.73	191596.452	174622.897	202010.325	309123.886	246085.436	92986.3907	153981.607
3447.8	2427.3	2093.9	2853.8	3936.6	3169.1	1190	2077.1
218.482	130.716	307.649	284.774	556.476	166.196	59.289	279.172
218860.14	192312.824	175496.442	202997.643	310609.082	246981.08	93332.6557	154692.915
822.927999	585.655999	565.895999	702.543999	928.719999	729.447999	286.975999	432.135999
3.76	3.44	1.01	1.78	1.02	1.46	1.45	1.4
0.9	0.6	0.6	0.6	0.9	0.6	0.45	0.3
0.008263	0.010786	0.018544	0.007462	0.005842	0.006101	0.013565	0.009971
0.007642	0.010142	0.017906	0.007301	0.005842	0.006101	0.013333	0.009971
160.204517	448.346769	477.604	382.453243	1974.56448	1361.62706	487.492104	699.121093
0.510154	1.592202	1.784032	1.060384	4.793443	3.75768	1.44466	2.375267
10.76	14.28	22.92	10.28	8.6	8.2	17.92	14.04
0.025142	0.029346	0.034781	0.033607	0.038396	0.028779	0.018779	0.028181
161.4	214.2	343.8	154.2	129	123	268.8	210.6
4309.6908	5719.55247	9180.12203	4117.43693	3444.5484	3284.33685	7177.47761	5623.42554
1.699615	1.133077	1.133077	1.133077	1.699615	1.133077	0.849807	0.566538
262.275	348.075	558.675	250.575	209.625	199.875	436.8	342.225
1372.6	1366.68	1235.48	1360.68	1415.48	1305.32	1318.76	1368.32
3.899431	3.882613	3.860875	3.865568	3.846413	3.88488	3.92488	3.887272
1408	1408	1280	1408	1472	1344	1344	1408
4	4	4	4	4	4	4	4
10.76	14.28	22.92	10.28	8.6	8.2	17.92	14.04
25.494233	16.996155	16.996155	16.996155	25.494233	16.996155	12.747116	8.498077
25.494233	16.996155	16.996155	16.996155	25.494233	16.996155	12.747116	8.498077
4571.9658	6067.62747	9738.79703	4368.01193	3654.1734	3484.21185	7614.27761	5965.65054
6674.77111	8607.58339	20249.6982	6116.53937	4387.5926	4552.9209	38215.214	8033.08821
2102.80531	2539.95592	10510.9012	1748.52744	733.419197	1068.70905	30600.9364	2067.43768
6674.77111	8607.58339	20249.6982	6116.53937	4387.5926	4552.9209	38215.214	8033.08821
2.69	3.57	5.73	2.57	2.15	2.05	4.48	3.51
4411.76128	5619.2807	9261.19303	3985.55869	1679.60892	2122.58479	7126.7855	5266.52944
6476.40597	7936.90401	19569.5595	5587.8704	1991.52687	2773.50368	34454.4539	7108.88232

0.239591	0.159929	0.159978	0.159869	0.140136	0.152533	0.119656	0.079711
10.382962	13.224827	21.795971	9.379906	3.952914	4.995446	16.7727	12.394637
488.245924	597.285525	594.828482	525.865864	485.389166	486.077488	1698.35732	551.756825
14.647377	11.94571	11.896569	21.034634	29.123349	19.443099	33.967146	5.517568
10.76	14.28	22.92	10.28	8.6	8.2	17.92	14.04
0.030568	0.040568	0.071625	0.029204	0.023369	0.024404	0.053333	0.039886
2102.80531	2539.95592	10510.9012	1748.52744	733.419197	1068.70905	30600.9364	2067.43768
2102.80531	2539.95592	10510.9012	1748.52744	733.419197	1068.70905	30600.9364	2067.43768
0.377037	1.055172	1.124028	0.900093	4.647085	3.204553	1.147299	1.645362
160.204517	448.346769	477.604	382.453243	1974.56448	1361.62706	487.492104	699.121093
2.58	3.3	5.44	2.33	1.02	1.27	4.2	3.1
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-8579.2113	-10476.86	-30080.461	-7336.3978	-2724.9461	-3842.2127	-65055.39	-9176.32
0.08	0.26	0.28	0.22	1.11	0.77	0.26	0.39
832.6745	1018.8376	1574.7092	858.362	847.3109	730.7331	1354.31	1022.5509
0.88	0.56	0.49	0.48	0.7	0.43	0.5	0.35
4571.9658	6067.62747	9738.79703	4368.01193	3654.1734	3484.21185	7614.27761	5965.65054
4571.9658	6067.62747	9738.79703	4368.01193	3654.1734	3484.21185	7614.27761	5965.65054
4571.9658	6067.62747	9738.79703	4368.01193	3654.1734	3484.21185	7614.27761	5965.65054
10.76	14.28	22.92	10.28	8.6	8.2	17.92	14.04
4571.9658	6067.62747	9738.79703	4368.01193	3654.1734	3484.21185	7614.27761	5965.65054

10.684692	10.706691	10.914621	10.733962	10.481736	10.584083	11.051897	10.734837
0.469908	0.445429	0.37525	0.452155	0.55855	0.515657	0.31151	0.445545
0.447386	0.418198	0.354453	0.426802	0.529422	0.482069	0.293842	0.422709
360114.986	335224.923	266208.373	346508.996	443575.117	369720.051	235039.859	342680.568
1162.01547	1196.31895	975.649733	1118.14192	1204.64538	1060.20684	811.040371	1191.10228
9228.322	8626.256	6646.716	8803.746	11416.9	9491.75	5785.634	8719.32
0.051221	0.059005	0.055093	0.057187	0.051739	0.069791	0.060654	0.054602
95458.9591	89599.7384	69974.5697	91319.2024	116885.035	97465.2011	61896.236	90440.7769
161195.133	150893.999	119355.962	154769.847	198032.398	164997.042	105201.002	152783.107
3.724299	3.724299	3.724299	3.724299	3.7243	3.724299	3.724299	3.724299
194192.161	182272.748	142349.267	185770.653	237779.227	198273.459	125915.513	183983.672
19570.642	19410.078	17718.882	19447.582	20449.056	18315.43	18495.332	19500.908
55.598414	55.142267	55.371506	55.248812	55.568086	54.510208	55.04563	55.400306
20627.2	20627.2	18752	20627.2	21564.8	19689.6	19689.6	20627.2
58.6	58.6	58.6	58.6	58.599999	58.6	58.6	58.6
9228.322	8626.256	6646.716	8803.746	11416.9	9491.75	5785.634	8719.32
45.944689	45.811865	47.281959	46.013237	44.214565	46.716711	49.460931	46.987049
40.474863	40.559522	41.31715	40.648821	39.72119	40.100466	41.833377	40.659144
392464.412	370315.739	291973.425	374922.512	477024.011	405820.82	265371.326	377107.37
754390.27	652489.108	680154.181	713263.009	977314.702	782436.92	753243.02	687305.907
361925.858	282173.369	388180.756	338340.497	500290.691	376616.1	487871.694	310198.537
754390.27	652489.108	680154.181	713263.009	977314.702	782436.92	753243.02	687305.907
333.97	331.23	302.37	331.87	348.96	312.55	315.62	332.78
1547.56651	3807.67812	16.623139	18.051988		4.839406	10.887572	15.349472
3044.56337	12308.7965	26.564027	30.154414		5.794351	16.801609	19.16225

1.580796	1.238137	0.318278	0.268634		0.12709	0.13	0.13
42.630184	108.975701	0.406248	0.444855		0.12709	0.26	0.39
33.247391	30.112047	18.594465	29.987628	36.251547	34.86827	13.476654	32.396254
27.511843	24.08335	12.830181	21.89039	30.451299	24.756472	10.242257	25.593041
9228.322	8626.256	6646.716	8803.746	11416.9	9491.75	5785.634	8719.32
26.216823	24.506409	20.770987	25.010642	31.024184	28.249255	17.219148	24.770795
312029.46	235339.585	351605.048	290607.95	439194.883	325671.039	455518.531	262925.143
312029.46	235339.585	351605.048	290607.95	439194.883	325671.039	455518.531	262925.143
9185.69182	8517.2803	6646.30975	8803.30114	11416.9	9491.62291	5785.374	8718.93
360114.986	335224.923	266208.373	346508.996	443575.117	369720.051	235039.859	342680.568
0.11	0.22						
-361925.86	-282173.37	-388180.76	-338340.5	-500290.69	-376616.1	-487871.69	-310198.54
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13.54	15.31	13.4	14.33	16.54	12.83	18.32	16.19
93242.17	83833.6023	75019.6126	93802.3528	115939.864	97250.4622	82815.0481	86248.5627
1.28	1.3	1.07	1.18	1.39	1.5	1.26	1.43
30801.8593	31283.1384	25748.4293	28395.4641	33448.8941	36095.9289	30320.5803	34411.4522
442360.81	417149.523	328549.133	422655.059	538119.819	456765.88	297724.489	424380.764
442360.81	417149.523	328549.133	422655.059	538119.819	456765.88	297724.489	424380.764
355387.294	333166.747	261705.229	340540.5	435811.625	363270.501	231116.515	336766.78
9228.322	8626.256	6646.716	8803.746	11416.9	9491.75	5785.634	8719.32
30801.8593	31283.1384	25748.4293	28395.4641	33448.8941	36095.9289	30320.5803	34411.4522
442360.81	417149.523	328549.133	422655.059	538119.819	456765.88	297724.489	424380.764
6275.25896	5865.85408	4519.76688	5986.54728	7763.492	6454.39	3934.23112	5929.1376
0.16	0.23	0.01	0.02				
5.1	4.2	2.85	4.8	7.95	6	1.95	4.05
0.19182	0.137868	0.132354	0.161271	0.211765	0.187143	0.070713	0.114804
0.18571	0.132045	0.130156	0.15034	0.205326	0.181458	0.066636	0.111136
19712.0657	7749.42479	3785.79251	15781.1331	69502.4689	44541.699	4179.93171	4574.34368
62.053254	27.429732	13.674603	45.320459	178.149491	121.023179	12.79456	15.160286
915.18	650.72	583.1	740.88	1057.84	853.58	313.46	547.68
0.035568	0.037954	0.03175	0.031761	0.023423	0.033273	0.031875	0.030142
13727.7	9760.8	8746.5	11113.2	15867.6	12803.7	4701.9	8215.2
59980.1803	53073.4469	50201.6705	54689.813	85820.8326	67648.6493	25157.5763	41701.4647
1.628835	1.494955	1.100534	1.554561	2.908411	2.217237	0.74108	1.648216
7138.62038	2635.80189	720.022625	3417.10482	13118.7009	8577.72721	818.226828	924.999644
4752.72	4740.96	4337.76	4771.48	5031.32	4547.48	4554.06	4779.46
13.502045	13.468636	13.5555	13.55534	13.672065	13.534166	13.55375	13.578011
4928	4928	4480	4928	5152	4704	4704	4928
14	14	14	14	14	14	14	14
915.18	650.72	583.1	740.88	1057.84	853.58	313.46	547.68
24.521681	22.570319	16.571839	23.591292	43.924733	33.3102	11.167494	24.883285
24.521681	22.570319	16.571839	23.591292	43.924733	33.3102	11.167494	24.883285
60137.6803	53199.4469	50348.6705	54878.813	86167.3326	67753.6493	25231.0763	41900.9647
130384.807	112797.556	148927.807	122384.273	159452.486	126751.019	167201.453	97638.2053

70247.1272	59598.1091	98579.1369	67505.4596	73285.1531	58997.3699	141970.376	55737.2406
130384.807	112797.556	148927.807	122384.273	159452.486	126751.019	167201.453	97638.2053
135.86	99.03	98.93	109.7	180.83	130.88	79.91	97.42
40425.6146	45450.0221	46562.878	39097.6799	16664.8636	23211.9503	21051.1445	37326.621
83271.5779	87482.4339	136465.855	86123.4586	29226.6305	40489.4003	136840.956	85221.0877
4.35739	3.724131	2.639558	3.911835	4.719189	4.253933	1.624395	3.721606
439.271974	474.999873	535.098491	513.073012	183.25994	281.731519	258.911544	486.013357
89.732954	81.509068	83.793314	76.759239	89.138484	89.830458	89.718361	79.523911
25.103023	15.486722	11.731064	24.436121	47.098524	35.019347	11.565006	15.109543
915.18	650.72	583.1	740.88	1057.84	853.58	313.46	547.68
2.599943	1.848636	1.822187	2.104772	2.874565	2.540416	0.932916	1.555909
70247.1272	59598.1091	98579.1369	67505.4596	73285.1531	58997.3699	141970.376	55737.2406
70247.1272	59598.1091	98579.1369	67505.4596	73285.1531	58997.3699	141970.376	55737.2406
475.908025	175.720126	48.001508	227.806987	874.580059	571.84848	54.548455	61.666642
19712.0657	7749.42479	3785.79251	15781.1331	69502.4689	44541.699	4179.93171	4574.34368
4.56	5.14	4.22	5.49	2.79	5.37	1.8	8.93
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1.08	0.3	0.4	2.15	11.58	7.11	0.6	0.94
20467.7516	13097.1626	11449.2432	17040.4573	29127.6087	21935.776	6707.0605	11347.0518
0.15	0.12	0.14	0.18	0.33	0.1	0.07	0.19
157.5	126	147	189	346.5	105	73.5	199.5
60137.6803	53199.4469	50348.6705	54878.813	86167.3326	67753.6493	25231.0763	41900.9647
60137.6803	53199.4469	50348.6705	54878.813	86167.3326	67753.6493	25231.0763	41900.9647
59980.1803	53073.4469	50201.6705	54689.813	85820.8326	67648.6493	25157.5763	41701.4647
915.18	650.72	583.1	740.88	1057.84	853.58	313.46	547.68
157.5	126	147	189	346.5	105	73.5	199.5
60137.6803	53199.4469	50348.6705	54878.813	86167.3326	67753.6493	25231.0763	41900.9647
1.65	2.46	0.51	1.18	0.56	1.02	2.02	1.3
11.334846	11.323429	11.525694	11.363674	11.14646	11.225511	11.623068	11.331294
0.405133	0.373992	0.33397	0.384556	0.462157	0.435562	0.277438	0.370837
0.390938	0.359159	0.320789	0.369764	0.444772	0.419085	0.266578	0.357095
1895729.09	1662118.91	1370113.17	1882703.12	2685958.6	2258127.7	1322447.29	1757788.54
6098.36553	5925.4815	5015.74962	6010.2864	7224.23831	6435.90769	4538.29323	6097.75508
50516.716	46410.354	37683.756	47780.666	60085.552	51692.344	32881.242	46143.61
0.033279	0.036552	0.035039	0.035583	0.036195	0.033609	0.033852	0.032626
563080.731	516775.601	425789.449	532563.156	661107.976	570182.289	375115.95	511991.11
1294144.91	1211131.5	1064448.67	1231114.01	1649721.53	1392616.97	832502.773	1181499.22
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824855.46	790662.907	648207.462	798877.349	960559.29	840215.284	607586.373	795467.262
71637.2188	33394.7691	16603.1545	52459.7067	122033.611	92442.8045	18364.9369	26380.572
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129219.2	129219.2	117472	129219.2	135092.8	123345.6	123345.6	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
50516.716	46410.354	37683.756	47780.666	60085.552	51692.344	32881.242	46143.61

329.709393	285.340507	265.992679	286.994743	394.223446	322.78549	229.944679	257.761695
43.069111	43.424226	44.365943	43.318683	44.331134	43.943712	43.622085	43.622537
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339178.516	441821.209	426248.53	255374.252	68665.523	96928.9917	184732.164	321750.942
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50516.716	46410.354	37683.756	47780.666	60085.552	51692.344	32881.242	46143.61
143.513397	131.847596	117.761737	135.740528	163.275956	153.846261	97.860839	131.089801
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280	273.58	262.16	293.88	342.5	301.34	306.37	287.5
385173.557	325921.3	291408.501	375774.026	495419.267	413515.061	298847.873	329576.753
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43680.8719	47603.6391	39305.1602	43278.8067	51540.786	50532.3297	44545.8127	48557.2001
2515485.43	2378876.57	2020994.11	2410675.24	3081120.42	2646846.98	1726191.96	2356257.99
2515485.43	2378876.57	2020994.11	2410675.24	3081120.42	2646846.98	1726191.96	2356257.99
2119000.37	2001794.41	1712656.13	2029991.36	2610280.82	2232832.25	1440089.15	1976966.48
50516.716	46410.354	37683.756	47780.666	60085.552	51692.344	32881.242	46143.61
43680.8719	47603.6391	39305.1602	43278.8067	51540.786	50532.3297	44545.8127	48557.2001
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20.76	26.5	9.26	8.44	2.32	3.4	6.89	11.45
5732256.05	4692165.68	4302503.77	5473463.65	8502136.41	6634620.22	4772202.02	4809769.1
882536.442	657701.357	417357.71	1003714.19	2151641.57	1545112.96	411701.032	771035.297
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882536.442	657701.357	417357.71	1003714.19	2151641.57	1545112.96	411701.032	771035.297
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5732256.05	4692165.68	4302503.77	5473463.65	8502136.41	6634620.22	4772202.02	4809769.1
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5732256.05	4692165.68	4302503.77	5473463.65	8502136.41	6634620.22	4772202.02	4809769.1

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882536.442	657701.357	417357.71	1003714.19	2151641.57	1545112.96	411701.032	771035.297
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882536.442	657701.357	417357.71	1003714.19	2151641.57	1545112.96	411701.032	771035.297
279.98	273.11	262.44	293.65	341.88	300.69	306.53	287.27
223.308085	197.606031	193.582117	260.122938	305.55554	287.703812	259.958976	223.102709
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5732256.05	4692165.68	4302503.77	5473463.65	8502136.41	6634620.22	4772202.02	4809769.1
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214879.034	184887.331	155564.757	146889.013	139274.643	109437.743	129388.425	168991.235
23092.7668	24072.4233	19927.5882	18694.982	15621.0433	14411.0563	16845.0696	19539.7119
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1190993.56	1125715.42	970592.43	914983.573	964282.335	788964.542	781566.05	924086.96
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600.6	611.24
1.876875	1.736477
31711.9541	49146.6411
31711.9541	49146.6411
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4.77	2.79
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1.92	2.97
13341.8026	16129.818
0.13	0.09
136.5	94.5
44282.189	50257.2676
44282.189	50257.2676
44145.689	50162.7676
600.6	611.24
136.5	94.5
44282.189	50257.2676
1.99	0.7

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44939.372	47755.15
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496436.664	529217.176
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44939.372	47755.15

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3254676.37	3773262.56
1281.44	1351.14
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364393.144	172837.391
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2925.89754	971.681758
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43.627193	45.184619
44939.372	47755.15
140.435537	135.668039
1016809.88	1351517.4
1016809.88	1351517.4
42013.4745	46783.4682
1763569.77	2036098.52
41.03	25.38
-1236853.8	-1589969.5
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268.06	323.48
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4.43	5.6
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2237866.5	2421745.16
2237866.5	2421745.16
1878965.88	2035943.62
44939.372	47755.15
40349.3739	46951.9759
2237866.5	2421745.16
98507.3145	100397.498
10.55	3.02
4687436.8	6250827.64
916299.859	1635514.87
2928.49042	4408.86152
-99435.589	-129623.81
99435.5892	129623.806
916299.859	1635514.87
267.85	323.21
229.052126	286.956802
130.0634	180.638608
38552.9802	61840.8821

-99435.589	-129623.81
-310.73622	-368.24945
-4687436.8	-6250827.6
-47.240974	-48.159295
-4687436.8	-6250827.6
4687436.8	6250827.64
5603736.65	7886342.52
99435.5892	129623.806
4687436.8	6250827.64
4687436.8	6250827.64
4687436.8	6250827.64

4687436.8	6250827.64
916299.859	1635514.87
2928.49042	4408.86152
-99435.589	-129623.81
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916299.859	1635514.87
267.85	323.21
229.052126	286.956802
130.0634	180.638608
38552.9802	61840.8821
-99435.589	-129623.81
-310.73622	-368.24945
-4687436.8	-6250827.6
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-4687436.8	-6250827.6
4687436.8	6250827.64
5603736.65	7886342.52
99435.5892	129623.806
4687436.8	6250827.64
4687436.8	6250827.64
4687436.8	6250827.64

6128.36402	6870.05983
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286453.214 329102.55
6128.36402 6870.05983

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99435.5892 129623.806

6128.36402 6870.05983

6128.36402 6870.05983
286453.214 329102.55
286453.214 329102.55

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99435.5892 129623.806

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6884.07934 7716.19759
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321719.364 369618.275

2281.03365 3094.85815
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2281.03365 3094.85815

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99435.5892	129623.806
2281.03365	3094.85815
2281.03365	3094.85815
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3575.65751	3318.34031
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161687.912	157351.853
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18869.1345	20999.4559
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872511.031	1005314.08
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1114723.76	1208601.5
3.650778	3.643676
764242.116	827342.124
43999.0052	60079.4878
112966.536	124658.507
353.020425	354.143485
117472	129219.2
367.099999	367.099999
44939.372	47755.15
248.62054	251.149081
42.990175	42.949321
2017822.57	2183293.09
3254676.37	3773262.56
99435.5892	129623.806
1236853.8	1589969.46

4127187.4	4778576.64
1281.44	1351.14
214520.224	100700.71
35.968206	36.688164
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267.85	323.21
229.052126	286.956802
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60882.609	67782.9241
1763569.77	2036098.52
2578071.96	3655544.1
3129978.68	5118221.58
825303.012	1069504.23
4.43	5.6
40349.3739	46951.9759
6925303.29	8672572.8
6925303.29	8672572.8
1878965.88	2035943.62
63808.5065	68754.6059
40349.3739	46951.9759
6925303.29	8672572.8
98507.3145	100397.498
18869.1345	20999.4559
872511.031	1005314.08
872511.031	1005314.08

Books	SouthDakota
Study Portfolios	2016-10-11 Juhl base - SD_IRP_MainPortfolio_BaseCase
Date Intervals	Monthly
Stats	MEAN
Peak Period Label	Off Peak Wrap

Value	Column Labels				
Row Labels	2017-01	2017-02	2017-03	2017-04	2017-05
Fixed Cost					
FIXEDCOST - Fixed Cost	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
NETREVENUE - Net Revenue $	-3076588.1	-2762650.5	-2951013	-3139375.6	-3076588.1
NETREVENUEUNHEDGED - Net Revenue without hedges	-3076588.1	-2762650.5	-2951013	-3139375.6	-3076588.1
NWECOSTS - NWE Costs	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
NWECOSTSMPS - NWE Costs w/ MPS	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
TOTALCOSTOFSUPPLY - Total Cost of Supply	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
Forward Curve					
N/A					
Aberdeen					
MARKETPRICE - Market Price $/Unit	25.57	22.319999	18.22	14.32	16.269999
Basis\CO2 SD Triangular					
MARKETPRICE - Market Price $/Unit	0	0	0	0	0
Beethoven					
MARKETPRICE - Market Price $/Unit	25.44	22.189999	18.09	14.19	16.139999
Big Stone					
MARKETPRICE - Market Price $/Unit	25.54	22.289999	18.19	14.29	16.239999
Coyote					
MARKETPRICE - Market Price $/Unit	24.789999	21.54	17.44	13.539999	15.49
Huron					
MARKETPRICE - Market Price $/Unit	25.079999	21.83	17.73	13.829999	15.78
Load					
MARKETPRICE - Market Price $/Unit	25.52	22.269999	18.17	14.27	16.219999
Neal					
MARKETPRICE - Market Price $/Unit	25.56	22.309999	18.21	14.31	16.259999
Oil2 - SD					

MARKETPRICE - Market Price $/Unit	17.96963	17.96963	17.96963	17.96963	17.96963
PRB - SD 8400					
MARKETPRICE - Market Price $/Unit	0.89	0.89	0.89	0.889999	0.89
SPP - IND HUB					
MARKETPRICE - Market Price $/Unit	25.25	22	17.9	14	15.95
VENTURA - AECO					
MARKETPRICE - Market Price $/Unit		3.694825	3.308385	3.002444	2.827719
N/A - Total					
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
Forward Curve - Total					
Forward Curve - Total - Total					
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
Generation Asset					
Aberdeen					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.031862	0.034943	0.025053	0.034075	0.03176
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	8538.975	7643.25	8248.05	8693.325	8539.875
GENCAPACITYMW - Net Thermal Generation Capacity	21.783099	21.713778	21.9948	21.733312	21.785395
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	8820	7920	8460	9000	8820
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	22.5	22.5	22.56	22.5	22.5
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					

GROSSREVENUE - Gross Revenue, $				
HOURSRUN - Runtime Hours				
MARKETGENERATIONCOST - Market Sales Generation Costs				
MARKETSALES - Spot Sales $				
MARKETSALESMW - Spot Sales				
MARKETSALESMWH - Spot Sales MWh				
MCP - MCP				
MCPMINSPOTPRICE - MCP min spot price				
NETPOS - Net Position (MWh)				
NETPOSMW - Net position per MW				
NETREVENUE - Net Revenue $				
NETREVENUEUNHEDGED - Net Revenue without hedges				
NLGENERATION - Native Load Generation MWh				
NLGENERATIONCOST - Native Load Generation Costs				
NonZeroMCPHour - Market sales hours greater than colstrip price				
NWECOSTS - NWE Costs				
NWECOSTSMPS - NWE Costs w/ MPS				
OTHERMCPHOUR - Other MCP Hours				
PORTFOLIOLOADNATIVE - Portfolio Load				
STARTS - Number Starts				
STARTUPCOST - StartupCost				
TOTALCOSTOFSUPPLY - Total Cost of Supply				
TOTALCOSTS - Total Cost				
TOTALFUELCOST - Total Fuel Cost				
TOTALGEN - All Generation				
TOTALSTARTUPCOST - TotalStartupCost				
TOTALVARIABLECOST - Variable Costs $				
VOMCOSTS - VOM Costs				
Aberdeen GS2				
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	8.288719	7.064249	0.65933	4.23855
CAPACITYFACTOR - Net Generation Capacity Factor	0.057571	0.013616	0.000426	0.013419
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.055568	0.013218	0.000425	0.012984
COSTTOSERVELOAD - Cost to Serve Load	5772.19674	1282.83974		1021.744
COSTTOSERVELOADPMW - Cost to Serve Load PMW	25.665303	6.310349		5.685907
EXPORTGENERATION - Export generation	1134.48	288.26	9.86	295.22

FO - Forced Outage Rate	0.029795	0.037556	0.029574	0.0291	0.028877
FUELCONSUMED - Fuel Consumed		10685.6671	2715.12094	92.87134	2780.67718
FUELCOST - Fuel Cost		30776.469	7564.18159	294.295064	7997.63781
FUELCOSTPMMBTU - Cost, $/mmBtu		2.543876	2.082299	0.224645	1.269104
GASNLFUELCONSUMED - Native Load Gas Used		1684.94731	444.653991		274.854787
GENCAPACITY - Net Thermal Generation Capacity MWh	22058.56	19649.24	21163.04	22524.88	22079.44
GENCAPACITYMW - Net Thermal Generation Capacity	56.271836	55.821704	56.434773	56.3122	56.325102
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	22736	20416	21808	23200	22736
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58	58	58.154666	58	58
GENERATION - Thermal Generation MWh		1134.48	288.26	9.86	295.22
GENERATIONCOSTPMW - Generation Cost		30.545657	25.188346	2.64801	15.313277
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		30.545657	25.188346	2.64801	15.313277
GENERATIONCOSTS - Thermal Generation Costs		39090.0528	9686.00259	368.439264	10150.4342
GENERATIONGROSSREVENUE - Gross Generation Revenue		45541.9683	10658.6544	377.791761	11379.8929
GENERATIONNETREVENUE - Net Revenue Generation		6451.91553	972.651782	9.352497	1229.45868
GROSSREVENUE - Gross Revenue, $		45541.9683	10658.6544	377.791761	11379.8929
HOURSRUN - Runtime Hours		238.32	277.6	254.42	211.49
MARKETGENERATIONCOST - Market Sales Generation Costs		33317.8561	8403.16285	368.439264	9128.69021
MARKETSALES - Spot Sales $		38647.4005	9232.65703	377.791761	10227.0998
MARKETSALESMW - Spot Sales		47.494723	38.349962	4.06	24.035523
MARKETSALESMWH - Spot Sales MWh		955.591868	241.051804	9.86	266.039111
MCP - MCP		36.00216	32.476192		34.75505
MCPMINSPOTPRICE - MCP min spot price		21.170499	10.717079		8.99144
NETPOS - Net Position (MWh)		1134.48	288.26	9.86	295.22
NETPOSMW - Net position per MW		3.222954	0.768693	0.02465	0.753112
NETREVENUE - Net Revenue $		6451.91553	972.651782	9.352497	1229.45868
NETREVENUEUNHEDGED - Net Revenue without hedges		6451.91553	972.651782	9.352497	1229.45868
NLGENERATION - Native Load Generation MWh		178.888131	47.208195		29.180888
NLGENERATIONCOST - Native Load Generation Costs		5772.19674	1282.83974		1021.744
NonZeroMCPHour - Market sales hours greater than colstrip price		11.21	3.32	0.17	3.88
NWECOSTS - NWE Costs		-6451.9155	-972.65178	-9.352497	-1229.4587
NWECOSTSMPS - NWE Costs w/ MPS		-45099.316	-10205.309	-387.14426	-11456.559
OTHERMCPHOUR - Other MCP Hours		0.83	0.11		0.12
PORTFOLIOLOADNATIVE - Portfolio Load		4348.0261	1013.9217	31.2843	906.3486
STARTS - Number Starts		0.57	0.17	0.01	0.12

STARTUPCOST - StartupCost		213.3966	63.6446	3.7438	44.9256
TOTALCOSTOFSUPPLY - Total Cost of Supply		39090.0528	9686.00259	368.439264	10150.4342
TOTALCOSTS - Total Cost		39090.0528	9686.00259	368.439264	10150.4342
TOTALFUELCOST - Total Fuel Cost		30776.469	7564.18159	294.295064	7997.63781
TOTALGEN - All Generation		1134.48	288.26	9.86	295.22
TOTALSTARTUPCOST - TotalStartupCost		213.3966	63.6446	3.7438	44.9256
TOTALVARIABLECOST - Variable Costs $		39090.0528	9686.00259	368.439264	10150.4342
VOMCOSTS - VOM Costs		8100.1872	2058.1764	70.4004	2107.8708
zeroMCPHour - Market sales hours less than colstrip price					
Big Stone					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.869537	10.996643	11.220368	11.497652	11.35901
CAPACITYFACTOR - Net Generation Capacity Factor	0.690353	0.607939	0.494886	0.408063	0.449483
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.669306	0.586516	0.473862	0.391892	0.433374
COSTTOSERVELOAD - Cost to Serve Load	577744.265	462929.191	406267.218	409374.529	489296.928
COSTTOSERVELOADPMW - Cost to Serve Load PMW	2534.31856	2117.03914	2131.98605	2411.21915	2929.91074
EXPORTGENERATION - Export generation	29122.872	22916.384	19777.116	17400.026	18856.996
FO - Forced Outage Rate	0.032321	0.035681	0.043297	0.04105	0.036301
FUELCONSUMED - Fuel Consumed	315626.065	251312.646	221733.889	199970.358	213952.805
FUELCOST - Fuel Cost	280574.563	223619.526	197883.798	178189.222	190737.245
FUELCOSTPMMBTU - Cost, $/mmBtu	2.3267	2.3267	2.3267	2.3267	2.3267
FUELDELIVERYCOST - Fuel Delivery Cost	453459.968	361060.879	318565.079	287297.414	307385.995
GENCAPACITY - Net Thermal Generation Capacity MWh	42105.63	37677.84	39928.92	42577.38	41932.47
GENCAPACITYMW - Net Thermal Generation Capacity	107.412321	107.039318	106.47712	106.44345	106.970586
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	43512	39072	41736	44400	43512
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	111	111	111.296	111	111
GENERATION - Thermal Generation MWh	29122.872	22916.384	19777.116	17400.026	18856.996
GENERATIONCOSTPMW - Generation Cost	26.901823	27.229919	27.833458	28.592961	28.181031
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	26.661124	26.955376	27.473247	28.119622	27.796272
GENERATIONCOSTS - Thermal Generation Costs	780068.166	621850.252	550328.446	496975.751	530814.425
GENERATIONGROSSREVENUE - Gross Generation Revenue	847903.781	591026.295	413863.198	263424.138	341922.96
GENERATIONNETREVENUE - Net Revenue Generation	67835.6154	-30823.957	-136465.25	-233551.61	-188891.46
GROSSREVENUE - Gross Revenue, $	847903.781	591026.295	413863.198	263424.138	341922.96
HOURSRUN - Runtime Hours	379.33	339.44	359.72	383.58	377.77
MARKETGENERATIONCOST - Market Sales Generation Costs	196188.6	153146.661	137276.307	79950.1415	34660.3974
MARKETSALES - Spot Sales $	247620.546	183120.684	149032.546	64636.2169	36916.4302

MARKETSALESMW - Spot Sales	41.630911	43.622711	49.368322	24.837871	25.156515
MARKETSALESMWH - Spot Sales MWh	7557.60676	5881.6638	5194.53939	2920.96949	1320.64992
MCP - MCP	22.399358	20.386886	17.943585	17.202913	16.279297
MCPMINSPOTPRICE - MCP min spot price	22.152016	20.052402	17.140163	13.838789	15.823803
NETPOS - Net Position (MWh)	29122.872	22916.384	19777.116	17400.026	18856.996
NETPOSMW - Net position per MW	74.29304	65.103363	52.738976	43.500065	48.104581
NETREVENUE - Net Revenue $	-97142.129	-162185.08	-252365.55	-338076.12	-300724.6
NETREVENUEUNHEDGED - Net Revenue without hedges	-97142.129	-162185.08	-252365.55	-338076.12	-300724.6
NLGENERATION - Native Load Generation MWh	21565.2652	17034.7202	14582.5766	14479.0565	17536.3461
NLGENERATIONCOST - Native Load Generation Costs	577744.265	462929.191	406267.218	409374.529	489296.928
NonZeroMCPHour - Market sales hours greater than colstrip price	175.74	110.15	96.98	76.03	39.46
NWECOSTS - NWE Costs	-67835.615	30823.9569	136465.248	233551.612	188891.465
NWECOSTSMPS - NWE Costs w/ MPS	-315456.16	-152296.73	-12567.298	168915.395	151975.035
OTHERMCPHOUR - Other MCP Hours	193.78	201.32	245.62	259.07	317.15
PO - Planned Outage Rate					
PORTFOLIOLOADNATIVE - Portfolio Load	83672.415	71732.8325	66402.4316	63121.7514	60997.9155
STARTS - Number Starts	0.85	0.8	0.94	1.06	0.95
STARTUPCOST - StartupCost	6135.3	5774.4	6784.92	7651.08	6857.1
TOTALCOSTOFSUPPLY - Total Cost of Supply	945045.91	753211.372	666228.75	601500.257	642647.556
TOTALCOSTS - Total Cost	945045.91	753211.372	666228.75	601500.257	642647.556
TOTALFUELCOST - Total Fuel Cost	734034.531	584680.406	516448.877	465486.635	498123.241
TOTALGEN - All Generation	29122.872	22916.384	19777.116	17400.026	18856.996
TOTALSTARTUPCOST - TotalStartupCost	6135.3	5774.4	6784.92	7651.08	6857.1
TOTALVARIABLECOST - Variable Costs $	945045.91	753211.372	666228.75	601500.257	642647.556
VOMCOSTS - VOM Costs	39898.3346	31395.4461	27094.6489	23838.0356	25834.0845
zeroMCPHour - Market sales hours less than colstrip price			1.68	35.56	3.92
Clark					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.043698	0.02571	0.030239	0.0345	0.036709
FUELCONSUMED - Fuel Consumed					

FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1124.61	1028.85	1093.89	1158.6	1132.83
GENCAPACITYMW - Net Thermal Generation Capacity	2.868903	2.922869	2.91704	2.8965	2.889872
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1176	1056	1128	1200	1176
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3.008	3	3
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					
HOURSRUN - Runtime Hours					
MARKETGENERATIONCOST - Market Sales Generation Costs					
MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					
TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					

TOTALVARIABLECOST - Variable Costs $					
Coyote					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	11.329909	11.482929	11.751656	12.260532	11.95628
CAPACITYFACTOR - Net Generation Capacity Factor	0.775502	0.70546	0.58894	0.462988	0.518381
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.741454	0.673579	0.565599	0.442595	0.34286
COSTTOSERVELOAD - Cost to Serve Load	274873.18	226685.326	206485.457	175533.551	133930.867
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1213.7432	1042.62245	1079.52193	1030.79276	798.272498
EXPORTGENERATION - Export generation	12497.96	10195.3	9144.61	7612.64	5779.26
FO - Forced Outage Rate	0.044234	0.045909	0.040478	0.042975	0.050688
FUELCONSUMED - Fuel Consumed	141238.989	116558.489	107367.993	93211.816	68893.7701
FUELCOST - Fuel Cost	125574.249	103817.727	95681.694	83101.5354	61381.6607
FUELCOSTPMMBTU - Cost, $/mmBtu	1.8684	1.8684	1.868399	1.868399	1.868399
FUELDELIVERYCOST - Fuel Delivery Cost	138188.227	114040.825	105048.845	91198.4408	67405.6646
GENCAPACITY - Net Thermal Generation Capacity MWh	16110.38	14441.12	15513.54	16419.98	11121.95
GENCAPACITYMW - Net Thermal Generation Capacity	41.097908	41.025909	41.36944	41.04995	28.372321
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	16856	15136	16168	17200	16856
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	43	43	43.114666	43	43
GENERATION - Thermal Generation MWh	12497.96	10195.3	9144.61	7612.64	5779.26
GENERATIONCOSTPMW - Generation Cost	22.406884	22.765482	23.291524	24.318965	24.426762
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	22.060042	22.34367	22.843075	23.793396	23.226301
GENERATIONCOSTS - Thermal Generation Costs	278919.76	230930.77	212724.842	184823.726	140392.567
GENERATIONGROSSREVENUE - Gross Generation Revenue	343776.725	250099.812	186128.843	115666.881	106183.941
GENERATIONNETREVENUE - Net Revenue Generation	64856.965	19169.0426	-26595.999	-69156.845	-34208.625
GROSSREVENUE - Gross Revenue, $	343776.725	250099.812	186128.843	115666.881	106183.941
HOURSRUN - Runtime Hours	374.66	335.84	360.78	381.63	258.65
MARKETGENERATIONCOST - Market Sales Generation Costs	12.479545	247.043319	2383.78492	5541.67433	
MARKETSALES - Spot Sales $	14.305166	302.880231	2652.73574	5849.51692	
MARKETSALESMW - Spot Sales	0.173929	1.783216	7.453255	14.068692	
MARKETSALESMWH - Spot Sales MWh	0.579526	11.543365	110.452053	255.270805	
MCP - MCP	26.186366	20.799752	18.968546	17.270781	16.22777
MCPMINSPOTPRICE - MCP min spot price	20.945316	17.462655	18.533274	17.094253	10.710328
NETPOS - Net Position (MWh)	12497.96	10195.3	9144.61	7612.64	5779.26
NETPOSMW - Net position per MW	31.882551	28.96392	24.385626	19.0316	14.74301
NETREVENUE - Net Revenue $	-8968.6547	-41756.079	-82717.249	-117878.66	-70219.399
NETREVENUEUNHEDGED - Net Revenue without hedges	-8968.6547	-41756.079	-82717.249	-117878.66	-70219.399

NLGENERATION - Native Load Generation MWh	12497.3805	10183.7566	9034.15795	7357.36919	5779.26
NLGENERATIONCOST - Native Load Generation Costs	274873.18	226685.326	206485.457	175533.551	133930.867
NonZeroMCPHour - Market sales hours greater than colstrip price	0.01	0.1	0.83	1.06	
NWECOSTS - NWE Costs	-64856.965	-19169.043	26595.9989	69156.8449	34208.6253
NWECOSTSMPS - NWE Costs w/ MPS	-64871.27	-19471.923	23943.2632	63307.328	34208.6253
OTHERMCPHOUR - Other MCP Hours	19.91	19.42	25.21	25.15	15.52
PO - Planned Outage Rate				0.0025	0.303571
PORTFOLIOLOADNATIVE - Portfolio Load	82009.7136	70328.9897	66382.5583	62808.1203	40353.4637
STARTS - Number Starts	1.13	1.12	1.08	1.05	1.81
STARTUPCOST - StartupCost	4034.1	3998.4	3855.6	3748.5	6461.7
TOTALCOSTOFSUPPLY - Total Cost of Supply	352745.38	291855.892	268846.092	233545.542	176403.34
TOTALCOSTS - Total Cost	352745.38	291855.892	268846.092	233545.542	176403.34
TOTALFUELCOST - Total Fuel Cost	263762.476	217858.553	200730.539	174299.976	128787.325
TOTALGEN - All Generation	12497.96	10195.3	9144.61	7612.64	5779.26
TOTALSTARTUPCOST - TotalStartupCost	4034.1	3998.4	3855.6	3748.5	6461.7
TOTALVARIABLECOST - Variable Costs $	352745.38	291855.892	268846.092	233545.542	176403.34
VOMCOSTS - VOM Costs	11123.1844	9073.817	8138.7029	6775.2496	5143.5414
Faulkton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.030357	0.029857	0.03351	0.02155	0.019464
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1140.3	1024.47	1090.2	1174.14	1153.11
GENCAPACITYMW - Net Thermal Generation Capacity	2.908928	2.910426	2.9072	2.93535	2.941607
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1176	1056	1128	1200	1176
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	3	3	3.008	3	3
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					

GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder			
GENERATIONCOSTS - Thermal Generation Costs			
GENERATIONGROSSREVENUE - Gross Generation Revenue			
GENERATIONNETREVENUE - Net Revenue Generation			
GROSSREVENUE - Gross Revenue, $			
HOURSRUN - Runtime Hours			
MARKETGENERATIONCOST - Market Sales Generation Costs			
MARKETSALES - Spot Sales $			
MARKETSALESMW - Spot Sales			
MARKETSALESMWH - Spot Sales MWh			
MCP - MCP			
MCPMINSPOTPRICE - MCP min spot price			
NETPOS - Net Position (MWh)			
NETPOSMW - Net position per MW			
NETREVENUE - Net Revenue $			
NETREVENUEUNHEDGED - Net Revenue without hedges			
NLGENERATION - Native Load Generation MWh			
NLGENERATIONCOST - Native Load Generation Costs			
NonZeroMCPHour - Market sales hours greater than colstrip price			
NWECOSTS - NWE Costs			
NWECOSTSMPS - NWE Costs w/ MPS			
OTHERMCPHOUR - Other MCP Hours			
PORTFOLIOLOADNATIVE - Portfolio Load			
STARTS - Number Starts			
TOTALCOSTOFSUPPLY - Total Cost of Supply			
TOTALCOSTS - Total Cost			
TOTALFUELCOST - Total Fuel Cost			
TOTALGEN - All Generation			
TOTALVARIABLECOST - Variable Costs $			
Huron			
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	9.851586	5.323193	2.242706
CAPACITYFACTOR - Net Generation Capacity Factor	0.018247	0.002855	0.002554
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.017727	0.002797	0.002489
COSTTOSERVELOAD - Cost to Serve Load	672.257528	161.274482	195.094882
COSTTOSERVELOADPMW - Cost to Serve Load PMW	2.963679	0.906813	1.05195

EXPORTGENERATION - Export generation		312	52.6		48.8
FO - Forced Outage Rate	0.032295	0.030582	0.031422	0.032575	0.031849
FUELCONSUMED - Fuel Consumed		4405.2	737		686.8
FUELCOST - Fuel Cost		11305.1763	1640.20098		1940.90133
FUELCOSTPMMBTU - Cost, $/mmBtu		1.879655	0.884471		0.440435
GASNLFUELCONSUMED - Native Load Gas Used		332.140238	106.994404		67.556953
GENCAPACITY - Net Thermal Generation Capacity MWh	18935.2	17044.5	18240.3	19246.8	18977.1
GENCAPACITYMW - Net Thermal Generation Capacity	48.304081	48.421875	48.6408	48.117	48.410969
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	19600	17600	18800	20000	19600
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	50	50	50.133333	50	50
GENERATION - Thermal Generation MWh		312	52.6		48.8
GENERATIONCOSTPMW - Generation Cost		38.013466	13.232933		7.0924
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		26.830483	12.507071		6.174562
GENERATIONCOSTS - Thermal Generation Costs		11427.4643	1648.57298		1942.12533
GENERATIONGROSSREVENUE - Gross Generation Revenue		13103.8346	1805.84288		2149.09221
GENERATIONNETREVENUE - Net Revenue Generation		1676.37027	157.269899		206.966876
GROSSREVENUE - Gross Revenue, $		13103.8346	1805.84288		2149.09221
HOURSRUN - Runtime Hours		281.7	336.03	309.96	294.76
MARKETGENERATIONCOST - Market Sales Generation Costs		10755.2068	1487.2985		1747.03045
MARKETSALES - Spot Sales $		12234.4843	1619.49164		1937.92393
MARKETSALESMW - Spot Sales		14.81197	7.257167		3.155043
MARKETSALESMWH - Spot Sales MWh		288.275697	44.957542		43.974503
MCP - MCP		35.65743	25.586893		42.572318
MCPMINSPOTPRICE - MCP min spot price		5.626658	1.791082		1.277169
NETPOS - Net Position (MWh)		312	52.6		48.8
NETPOSMW - Net position per MW		0.886363	0.140266		0.124489
NETREVENUE - Net Revenue $		1676.37027	157.269899		206.966876
NETREVENUEUNHEDGED - Net Revenue without hedges		1676.37027	157.269899		206.966876
NLGENERATION - Native Load Generation MWh		23.724302	7.642457		4.825496
NLGENERATIONCOST - Native Load Generation Costs		672.257528	161.274482		195.094882
NonZeroMCPHour - Market sales hours greater than colstrip price		4.51	0.63		0.74
NWECOSTS - NWE Costs		-1676.3703	-157.2699		-206.96688
NWECOSTSMPS - NWE Costs w/ MPS		-13910.855	-1776.7615		-2144.8908
OTHERMCPHOUR - Other MCP Hours		0.02			0.04
PORTFOLIOLOADNATIVE - Portfolio Load		1942.5674	262.9306		235.8412

STARTS - Number Starts		0.25	0.02		
STARTUPCOST - StartupCost		109.64	8.168		
TOTALCOSTOFSUPPLY - Total Cost of Supply		11427.4643	1648.57298		1942.12533
TOTALCOSTS - Total Cost		11427.4643	1648.57298		1942.12533
TOTALFUELCOST - Total Fuel Cost		11305.1763	1640.20098		1940.90133
TOTALGEN - All Generation		312	52.6		48.8
TOTALSTARTUPCOST - TotalStartupCost		109.64	8.168		
TOTALVARIABLECOST - Variable Costs $		11427.4643	1648.57298		1942.12533
VOMCOSTS - VOM Costs		12.648	0.204		1.224
zeroMCPHour - Market sales hours less than colstrip price					
Mobile Unit					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)					
CAPACITYFACTOR - Net Generation Capacity Factor					
CAPACITYFACTORNOOUTS - Capacity Factor, %					
COSTTOSERVELOAD - Cost to Serve Load					
COSTTOSERVELOADPMW - Cost to Serve Load PMW					
EXPORTGENERATION - Export generation					
FO - Forced Outage Rate	0.029872	0.031107	0.024574	0.0277	0.035306
FUELCONSUMED - Fuel Consumed					
FUELCOST - Fuel Cost					
FUELCOSTPMMBTU - Cost, $/mmBtu					
FUELDELIVERYCOST - Fuel Delivery Cost					
GENCAPACITY - Net Thermal Generation Capacity MWh	1521.16	1364.2	1467.04	1555.68	1512.64
GENCAPACITYMW - Net Thermal Generation Capacity	3.88051	3.875568	3.912106	3.8892	3.858775
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	1568	1408	1504	1600	1568
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	4	4	4.010666	4	4
GENERATION - Thermal Generation MWh					
GENERATIONCOSTPMW - Generation Cost					
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder					
GENERATIONCOSTS - Thermal Generation Costs					
GENERATIONGROSSREVENUE - Gross Generation Revenue					
GENERATIONNETREVENUE - Net Revenue Generation					
GROSSREVENUE - Gross Revenue, $					
HOURSRUN - Runtime Hours					
MARKETGENERATIONCOST - Market Sales Generation Costs					

MARKETSALES - Spot Sales $					
MARKETSALESMW - Spot Sales					
MARKETSALESMWH - Spot Sales MWh					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)					
NETPOSMW - Net position per MW					
NETREVENUE - Net Revenue $					
NETREVENUEUNHEDGED - Net Revenue without hedges					
NLGENERATION - Native Load Generation MWh					
NLGENERATIONCOST - Native Load Generation Costs					
NonZeroMCPHour - Market sales hours greater than colstrip price					
NWECOSTS - NWE Costs					
NWECOSTSMPS - NWE Costs w/ MPS					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
STARTS - Number Starts					
TOTALCOSTOFSUPPLY - Total Cost of Supply					
TOTALCOSTS - Total Cost					
TOTALFUELCOST - Total Fuel Cost					
TOTALGEN - All Generation					
TOTALVARIABLECOST - Variable Costs $					
Neal					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.142341	10.238023	10.366394	10.732871	
CAPACITYFACTOR - Net Generation Capacity Factor	0.694769	0.627377	0.491525	0.323768	
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.657688	0.593178	0.464212	0.303844	
COSTTOSERVELOAD - Cost to Serve Load	309377.793	252151.802	214504.331	154319.474	
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1364.50053	1158.61206	1115.73286	900.116887	
EXPORTGENERATION - Export generation	15107.896	12235.604	10228.268	7122.12	
FO - Forced Outage Rate	0.056938	0.05642	0.057792	0.06085	0.063724
FUELCONSUMED - Fuel Consumed	152849.482	124545.53	105870.197	76271.9394	
FUELCOST - Fuel Cost	136003.875	110923.471	94529.6746	68017.9714	
FUELCOSTPMMBTU - Cost, $/mmBtu	1.9798	1.9798	1.9798	1.9798	
FUELDELIVERYCOST - Fuel Delivery Cost	166575.365	135729.719	115377.34	83121.1595	
GENCAPACITY - Net Thermal Generation Capacity MWh	21663.248	19463.404	20760.222	21959.178	

GENCAPACITYMW - Net Thermal Generation Capacity	55.263387	55.293761	55.360591	54.897944	
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	22971.2	20627.2	22033.6	23440	22971.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	58.599999	58.6	58.756266	58.599999	58.599999
GENERATION - Thermal Generation MWh	15107.896	12235.604	10228.268	7122.12	
GENERATIONCOSTPMW - Generation Cost	22.251849	22.783811	23.081279	25.527436	
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	20.530426	20.718697	20.971131	21.695061	
GENERATIONCOSTS - Thermal Generation Costs	332374.04	273374.059	233943.184	178959.786	
GENERATIONGROSSREVENUE - Gross Generation Revenue	437060.782	320669.382	229044.311	122812.201	
GENERATIONNETREVENUE - Net Revenue Generation	104686.742	47295.3225	-4898.8721	-56147.585	
GROSSREVENUE - Gross Revenue, $	437060.782	320669.382	229044.311	122812.201	
HOURSRUN - Runtime Hours	369.68	332.14	354.27	373.63	
MARKETGENERATIONCOST - Market Sales Generation Costs		7.409706	5.404266	24.610745	
MARKETSALES - Spot Sales $		7.500598	5.130755	26.256521	
MARKETSALESMW - Spot Sales		0.358	0.131093	0.771947	
MARKETSALESMWH - Spot Sales MWh		0.358	0.24408	1.162574	
MCP - MCP	25.862512	21.600835	20.393059	17.302053	
MCPMINSPOTPRICE - MCP min spot price	8.276003	5.832225	5.286862	8.200395	
NETPOS - Net Position (MWh)	15107.896	12235.604	10228.268	7122.12	
NETPOSMW - Net position per MW	38.540551	34.760238	27.275381	17.8053	
NETREVENUE - Net Revenue $	24792.3181	-17804.626	-60237.224	-96014.927	
NETREVENUEUNHEDGED - Net Revenue without hedges	24792.3181	-17804.626	-60237.224	-96014.927	
NLGENERATION - Native Load Generation MWh	15107.896	12235.246	10228.0239	7120.95743	
NLGENERATIONCOST - Native Load Generation Costs	309377.793	252151.802	214504.331	154319.474	
NonZeroMCPHour - Market sales hours greater than colstrip price					
NWECOSTS - NWE Costs	-104686.74	-47295.323	4898.87209	56147.5845	
NWECOSTSMPS - NWE Costs w/ MPS	-104686.74	-47302.823	4893.74134	56121.328	
OTHERMCPHOUR - Other MCP Hours	2.35	1.13	0.84	2.71	
PO - Planned Outage Rate				0.0025	1
PORTFOLIOLOADNATIVE - Portfolio Load	75634.1893	65474.6523	61522.4145	57364.1051	
STARTS - Number Starts	1.42	1.31	1.2	1.52	
STARTUPCOST - StartupCost	22996.2468	21214.8474	19433.448	24615.7008	
TOTALCOSTOFSUPPLY - Total Cost of Supply	412268.464	338474.008	289281.535	218827.128	
TOTALCOSTS - Total Cost	412268.464	338474.008	289281.535	218827.128	
TOTALFUELCOST - Total Fuel Cost	302579.24	246653.19	209907.015	151139.131	
TOTALGEN - All Generation	15107.896	12235.604	10228.268	7122.12	

TOTALSTARTUPCOST - TotalStartupCost	22996.2468	21214.8474	19433.448	24615.7008	
TOTALVARIABLECOST - Variable Costs $	412268.464	338474.008	289281.535	218827.128	
VOMCOSTS - VOM Costs	6798.5532	5506.0218	4602.7206	3204.954	
zeroMCPHour - Market sales hours less than colstrip price					
Yankton					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)		7.65	2.4		1.05
CAPACITYFACTOR - Net Generation Capacity Factor		0.012052	0.001315		0.001334
CAPACITYFACTORNOOUTS - Capacity Factor, %		0.011789	0.001276		0.001198
COSTTOSERVELOAD - Cost to Serve Load		75.307466	15.060425		1.899345
COSTTOSERVELOADPMW - Cost to Serve Load PMW		0.314745	0.08087		0.010487
EXPORTGENERATION - Export generation		58.1	6.72		6.58
FO - Forced Outage Rate	0.02102	0.029545	0.025212	0.035225	0.031045
FUELCONSUMED - Fuel Consumed		871.5	100.8		98.7
FUELCOST - Fuel Cost		2181.39839	218.881177		275.972314
FUELCOSTPMMBTU - Cost, $/mmBtu		1.325019	0.360621		0.198041
GASNLFUELCONSUMED - Native Load Gas Used		37.626931	11.724633		0.579691
GENCAPACITY - Net Thermal Generation Capacity MWh	5372.64	4782.4	5131.28	5402.74	5317.62
GENCAPACITYMW - Net Thermal Generation Capacity	13.705714	13.586363	13.683413	13.50685	13.565357
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	5488	4928	5264	5600	5488
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	14	14	14.037333	14	14
GENERATION - Thermal Generation MWh		58.1	6.72		6.58
GENERATIONCOSTPMW - Generation Cost		22.44597	5.409316		3.045628
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder		22.44597	5.409316		3.045628
GENERATIONCOSTS - Thermal Generation Costs		2317.89839	218.881177		286.472314
GENERATIONGROSSREVENUE - Gross Generation Revenue		2542.50153	238.672812		301.029844
GENERATIONNETREVENUE - Net Revenue Generation		224.603135	19.791634		14.557529
GROSSREVENUE - Gross Revenue, $		2542.50153	238.672812		301.029844
HOURSRUN - Runtime Hours		136.59	189.93	180.34	175.12
MARKETGENERATIONCOST - Market Sales Generation Costs		2242.59093	203.820751		284.572968
MARKETSALES - Spot Sales $		2434.51184	220.465134		299.093532
MARKETSALESMW - Spot Sales		7.124208	2.212785		0.960676
MARKETSALESMWH - Spot Sales MWh		55.591537	5.938357		6.541353
MCP - MCP		38.208534	19.267672		49.147184
MCPMINSPOTPRICE - MCP min spot price		1.146256	0.192676		0.491471
NETPOS - Net Position (MWh)		58.1	6.72		6.58

NETPOSMW - Net position per MW		0.165056	0.01792		0.016785
NETREVENUE - Net Revenue $		224.603135	19.791634		14.557529
NETREVENUEUNHEDGED - Net Revenue without hedges		224.603135	19.791634		14.557529
NLGENERATION - Native Load Generation MWh		2.508462	0.781642		0.038646
NLGENERATIONCOST - Native Load Generation Costs		75.307466	15.060425		1.899345
NonZeroMCPHour - Market sales hours greater than colstrip price		2.79	0.38		0.41
NWECOSTS - NWE Costs		-224.60314	-19.791634		-14.557529
NWECOSTSMPS - NWE Costs w/ MPS		-2659.115	-240.25677		-313.65106
OTHERMCPHOUR - Other MCP Hours		0.05			
PORTFOLIOLOADNATIVE - Portfolio Load		918.0878	94.1048		85.6181
STARTS - Number Starts		0.13			0.01
STARTUPCOST - StartupCost		136.5			10.5
TOTALCOSTOFSUPPLY - Total Cost of Supply		2317.89839	218.881177		286.472314
TOTALCOSTS - Total Cost		2317.89839	218.881177		286.472314
TOTALFUELCOST - Total Fuel Cost		2181.39839	218.881177		275.972314
TOTALGEN - All Generation		58.1	6.72		6.58
TOTALSTARTUPCOST - TotalStartupCost		136.5			10.5
TOTALVARIABLECOST - Variable Costs $		2317.89839	218.881177		286.472314
zeroMCPHour - Market sales hours less than colstrip price					
Generation Asset - Total					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.779489	10.89683	11.113942	11.507123	11.481697
CAPACITYFACTOR - Net Generation Capacity Factor	0.409175	0.377477	0.297667	0.228314	0.223523
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.394214	0.362576	0.286152	0.218909	0.173636
COSTTOSERVELOAD - Cost to Serve Load	1161995.24	948286.081	828716.181	739227.555	624446.533
COSTTOSERVELOADPMW - Cost to Serve Load PMW	5112.56228	4347.21738	4334.53888	4342.1288	3734.93159
EXPORTGENERATION - Export generation	56728.728	46851.868	39497.574	32144.646	24986.856
FO - Forced Outage Rate	0.034972	0.035263	0.03387	0.035652	0.036143
FUELCONSUMED - Fuel Consumed	609714.536	508379.033	438525	369546.985	286412.752
FUELCOST - Fuel Cost	542152.686	482623.768	397518.43	329603.023	262333.417
FUELCOSTPMMBTU - Cost, $/mmBtu	2.133281	2.150534	2.133022	2.139815	2.221975
FUELDELIVERYCOST - Fuel Delivery Cost	758223.56	610831.423	538991.264	461617.014	374791.66
GASNLFUELCONSUMED - Native Load Gas Used		2054.71448	563.373028		342.991432
GENCAPACITY - Net Thermal Generation Capacity MWh	138570.703	124119.274	132636.482	140712.703	111767.035
GENCAPACITYMW - Net Thermal Generation Capacity	353.496691	352.611573	353.697285	351.781757	285.119987
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	143903.2	129219.2	138029.6	146840	143903.2

GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999	368.078933	367.099999	367.099999
GENERATION - Thermal Generation MWh	56728.728	46851.868	39497.574	32144.646	24986.856
GENERATIONCOSTPMW - Generation Cost	71.560557	163.784307	118.036858	81.087374	78.0591
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.01612	24.59131	24.764045	25.675651	26.825184
GENERATIONCOSTS - Thermal Generation Costs	1391361.97	1178990.5	1008549.93	861127.702	683586.024
GENERATIONGROSSREVENUE - Gross Generation Revenue	1628741.29	1222983.79	841739.522	502281.012	461936.917
GENERATIONNETREVENUE - Net Revenue Generation	237379.322	43993.2972	-166810.41	-358846.69	-221649.11
GROSSREVENUE - Gross Revenue, $	1628741.29	1222983.79	841739.522	502281.012	461936.917
HOURSRUN - Runtime Hours	1123.67	1664.03	1878.33	1883.56	1317.79
MARKETGENERATIONCOST - Market Sales Generation Costs	196201.08	199716.767	149759.779	85884.8658	45820.691
MARKETSALES - Spot Sales $	247634.851	236747.462	162763.026	70889.7821	49380.5475
MARKETSALESMW - Spot Sales	13.934947	18.5724	16.00425	10.934627	9.410467
MARKETSALESMWH - Spot Sales MWh	7558.18628	7193.02427	5597.18323	3187.26287	1637.20489
MCP - MCP	24.053014	23.778058	20.077157	17.260683	18.296907
MCPMINSPOTPRICE - MCP min spot price	23.920343	23.597752	19.722626	15.753788	18.003585
NETPOS - Net Position (MWh)	56728.728	46851.868	39497.574	32144.646	24986.856
NETPOSMW - Net position per MW	144.716142	133.101897	105.326864	80.361615	63.741979
NETREVENUE - Net Revenue $	-81318.465	-213392.89	-394170.31	-551960.35	-369493.01
NETREVENUEUNHEDGED - Net Revenue without hedges	-81318.465	-213392.89	-394170.31	-551960.35	-369493.01
NLGENERATION - Native Load Generation MWh	49170.5417	39658.8437	33900.3908	28957.3831	23349.6511
NLGENERATIONCOST - Native Load Generation Costs	1161995.24	948286.081	828716.181	739227.555	624446.533
NonZeroMCPHour - Market sales hours greater than colstrip price	175.75	128.76	102.14	77.26	44.49
NWECOSTS - NWE Costs	-237379.32	-43993.297	166810.406	358846.689	221649.107
NWECOSTSMPS - NWE Costs w/ MPS	-485014.17	-280740.76	4047.37939	287956.907	172268.56
OTHERMCPHOUR - Other MCP Hours	216.04	222.77	271.78	286.93	332.83
PO - Planned Outage Rate				0.000454	0.118506
PORTFOLIOLOADNATIVE - Portfolio Load	241316.318	214745.156	195678.362	183325.261	102579.187
STARTS - Number Starts	3.4	4.18	3.41	3.64	2.89
STARTUPCOST - StartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALCOSTOFSUPPLY - Total Cost of Supply	1710059.75	1436376.69	1235909.83	1054241.37	831429.929
TOTALCOSTS - Total Cost	1710059.75	1436376.69	1235909.83	1054241.37	831429.929
TOTALFUELCOST - Total Fuel Cost	1300376.25	1093455.19	936509.694	791220.037	637125.077
TOTALGEN - All Generation	56728.728	46851.868	39497.574	32144.646	24986.856
TOTALSTARTUPCOST - TotalStartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALVARIABLECOST - Variable Costs $	1710059.75	1436376.69	1235909.83	1054241.37	831429.929

VOMCOSTS - VOM Costs	57820.0722	54088.1201	41894.4528	33888.6396	33086.7207
zeroMCPHour - Market sales hours less than colstrip price			1.68	35.56	3.92
Load					
South Dakota Load					
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
COSTTOSERVELOAD - Cost to Serve Load	254528.284	234906.19	192265.461	137009.888	258711.708
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1118.22953	1072.73855	997.54218	790.894765	1536.52402
EXPORTGENERATION - Export generation	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
GENERATIONLOAD - Load @ Generation	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
MARKETPURCHASES - Spot Purchases $	254528.284	234906.19	192265.461	137009.888	258711.708
MARKETPURCHASESHOURS - Market Purchase Flag	214.8	222.36	270.6	282.58	341.82
MARKETPURCHASESMAX - Max Spot Purchases	149.2413	144.332925	121.116933	102.990222	122.80247
MARKETPURCHASESMW - Spot Purchases	64.618927	65.131305	48.642858	35.561294	50.684003
MARKETPURCHASESMWH - Spot Purchases MWh	14421.1093	14932.0503	13315.7244	10334.6042	17469.9504
NETPOS - Net Position (MWh)	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
NETPOSMW - Net position per MW	-226.45456	-217.59926	-191.09911	-170.07527	-166.85971
NETREVENUE - Net Revenue $	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NETREVENUEPMW - Net Revenue $/MWh	-25.705063	-22.387854	-18.398349	-14.396074	-16.381939
NETREVENUEUNHEDGED - Net Revenue without hedges	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NWECOSTS - NWE Costs	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
NWECOSTSMPS - NWE Costs w/ MPS	2536497.68	1950457.83	1510907.06	1116212.86	1330350.29
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALCOSTS - Total Cost	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALVARIABLECOST - Variable Costs $	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
Load - Total					
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
COSTTOSERVELOAD - Cost to Serve Load	254528.284	234906.19	192265.461	137009.888	258711.708
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1118.22953	1072.73855	997.54218	790.894765	1536.52402
EXPORTGENERATION - Export generation	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
GENERATIONLOAD - Load @ Generation	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
MARKETPURCHASES - Spot Purchases $	254528.284	234906.19	192265.461	137009.888	258711.708
MARKETPURCHASESHOURS - Market Purchase Flag	214.8	222.36	270.6	282.58	341.82
MARKETPURCHASESMAX - Max Spot Purchases	149.2413	144.332925	121.116933	102.990222	122.80247
MARKETPURCHASESMW - Spot Purchases	64.618927	65.131305	48.642858	35.561294	50.684003

MARKETPURCHASESMWH - Spot Purchases MWh	14421.1093	14932.0503	13315.7244	10334.6042	17469.9504
NETPOS - Net Position (MWh)	-88770.189	-76594.939	-71662.167	-68030.107	-65409.007
NETPOSMW - Net position per MW	-226.45456	-217.59926	-191.09911	-170.07527	-166.85971
NETREVENUE - Net Revenue $	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NETREVENUEPMW - Net Revenue $/MWh	-25.705063	-22.387854	-18.398349	-14.396074	-16.381939
NETREVENUEUNHEDGED - Net Revenue without hedges	-2281969.4	-1715551.6	-1318641.6	-979202.97	-1071638.6
NWECOSTS - NWE Costs	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
NWECOSTSMPS - NWE Costs w/ MPS	2536497.68	1950457.83	1510907.06	1116212.86	1330350.29
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALCOSTS - Total Cost	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
TOTALVARIABLECOST - Variable Costs $	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
N/A					
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load					
Wind Asset					
B & H					
COSTTOSERVELOAD - Cost to Serve Load	217467.766	200328.305	211879.249	247784.927	222608.72
COSTTOSERVELOADPMW - Cost to Serve Load PMW	964.86361	925.164726	1120.01481	1465.0109	1339.95738
EXPORTGENERATION - Export generation	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461
GROSSREVENUE - Gross Revenue, $	216392.441	165113.77	142284.162	130230.161	133230.779
NETPOS - Net Position (MWh)	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461
NETPOSMW - Net position per MW	21.867691	21.16454	21.011949	23.036902	21.118608
NETREVENUE - Net Revenue $	-13635.632	-35214.535	-69595.086	-117554.77	-89377.941
NETREVENUEUNHEDGED - Net Revenue without hedges	-13635.632	-35214.535	-69595.086	-117554.77	-89377.941
NLGENERATION - Native Load Generation MWh	8095.49766	7449.91837	7879.48117	9214.76115	8278.49461
NLGENERATIONCOST - Native Load Generation Costs	217467.766	200328.305	211879.249	247784.927	222608.72
NWECOSTS - NWE Costs	13635.632	35214.5351	69595.0863	117554.766	89377.9411
NWECOSTSMPS - NWE Costs w/ MPS	13635.632	35214.5351	69595.0863	117554.766	89377.9411
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	230028.073	200328.305	211879.249	247784.927	222608.72
TOTALCOSTS - Total Cost	230028.073	200328.305	211879.249	247784.927	222608.72
TOTALGEN - All Generation	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461

TOTALVARIABLECOST - Variable Costs $	230028.073	200328.305	211879.249	247784.927	222608.72
WINDCOSTS - Wind Cost	230028.073	200328.305	211879.249	247784.927	222608.72
WINDGEN - Generation - Wind	8572.13501	7449.91837	7879.48117	9214.76115	8278.49461
WINDGROSSREVENUE - Gross Wind Revenue	216392.441	165113.77	142284.162	130230.161	133230.779
WINDNETREVENUE - Net Wind Revenue $	-13635.632	-35214.535	-69595.086	-117554.77	-89377.941
WINDTOTALCOST - Wind Total Costs	230028.073	200328.305	211879.249	247784.927	222608.72
B & H II					
COSTTOSERVELOAD - Cost to Serve Load	226363.815	208582.646	220643.58	257775.086	231705.919
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1004.32598	963.270713	1166.39158	1523.96485	1394.69607
EXPORTGENERATION - Export generation	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
GROSSREVENUE - Gross Revenue, $	243157.239	185512.267	159863.556	146236.777	149654.023
MCP - MCP	16.666984	21.900654	16.159951	13.95914	15.835575
MCPMINSPOTPRICE - MCP min spot price	0.666679	0.876026	0.807997	1.256322	10.451479
NETPOS - Net Position (MWh)	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
NETPOSMW - Net position per MW	24.573083	23.778665	23.610869	25.860261	23.719363
NETREVENUE - Net Revenue $	3679.39336	-23070.378	-60780.024	-111538.31	-82051.896
NETREVENUEUNHEDGED - Net Revenue without hedges	3679.39336	-23070.378	-60780.024	-111538.31	-82051.896
NLGENERATION - Native Load Generation MWh	9097.02906	8370.09011	8854.07625	10344.1046	9297.99033
NLGENERATIONCOST - Native Load Generation Costs	226363.815	208582.646	220643.58	257775.086	231705.919
NWECOSTS - NWE Costs	-3679.3934	23070.3781	60780.0238	111538.309	82051.8964
NWECOSTSMPS - NWE Costs w/ MPS	-3679.3934	23070.3781	60780.0238	111538.309	82051.8964
OTHERMCPHOUR - Other MCP Hours	0.21	0.47	0.4	0.25	10.76
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	239477.846	208582.646	220643.58	257775.086	231705.919
TOTALCOSTS - Total Cost	239477.846	208582.646	220643.58	257775.086	231705.919
TOTALGEN - All Generation	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
TOTALVARIABLECOST - Variable Costs $	239477.846	208582.646	220643.58	257775.086	231705.919
WINDCOSTS - Wind Cost	239477.846	208582.646	220643.58	257775.086	231705.919
WINDGEN - Generation - Wind	9632.64859	8370.09011	8854.07625	10344.1046	9297.99033
WINDGROSSREVENUE - Gross Wind Revenue	243157.239	185512.267	159863.556	146236.777	149654.023
WINDNETREVENUE - Net Wind Revenue $	3679.39336	-23070.378	-60780.024	-111538.31	-82051.896
WINDTOTALCOST - Wind Total Costs	239477.846	208582.646	220643.58	257775.086	231705.919
OakTree					
COSTTOSERVELOAD - Cost to Serve Load	185383.774	175346.551	189615.164	224030.832	169030.081
COSTTOSERVELOADPMW - Cost to Serve Load PMW	820.372525	809.952913	1002.27313	1328.84065	1016.91169

EXPORTGENERATION - Export generation	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
GROSSREVENUE - Gross Revenue, $	91120.0197	74172.3782	65832.3551	59587.8653	52248.8114
MCP - MCP					
MCPMINSPOTPRICE - MCP min spot price					
NETPOS - Net Position (MWh)	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
NETPOSMW - Net position per MW	9.231266	9.723669	9.870006	10.932599	8.416927
NETREVENUE - Net Revenue $	-94263.754	-101174.17	-123782.81	-164442.97	-116781.27
NETREVENUEUNHEDGED - Net Revenue without hedges	-94263.754	-101174.17	-123782.81	-164442.97	-116781.27
NLGENERATION - Native Load Generation MWh	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
NLGENERATIONCOST - Native Load Generation Costs	185383.774	175346.551	189615.164	224030.832	169030.081
NWECOSTS - NWE Costs	94263.7544	101174.173	123782.809	164442.967	116781.27
NWECOSTSMPS - NWE Costs w/ MPS	94263.7544	101174.173	123782.809	164442.967	116781.27
OTHERMCPHOUR - Other MCP Hours					
PORTFOLIOLOADNATIVE - Portfolio Load	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
TOTALCOSTOFSUPPLY - Total Cost of Supply	185383.774	175346.551	189615.164	224030.832	169030.081
TOTALCOSTS - Total Cost	185383.774	175346.551	189615.164	224030.832	169030.081
TOTALGEN - All Generation	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
TOTALVARIABLECOST - Variable Costs $	185383.774	175346.551	189615.164	224030.832	169030.081
WINDCOSTS - Wind Cost	185383.774	175346.551	189615.164	224030.832	169030.081
WINDGEN - Generation - Wind	3618.65653	3422.73182	3701.25246	4373.03986	3299.43551
WINDGROSSREVENUE - Gross Wind Revenue	91120.0197	74172.3782	65832.3551	59587.8653	52248.8114
WINDNETREVENUE - Net Wind Revenue $	-94263.754	-101174.17	-123782.81	-164442.97	-116781.27
WINDTOTALCOST - Wind Total Costs	185383.774	175346.551	189615.164	224030.832	169030.081
Titan					
COSTTOSERVELOAD - Cost to Serve Load	275943.895	174624.898	253670.938	303945.001	234840.78
COSTTOSERVELOADPMW - Cost to Serve Load PMW	1232.82596	811.293769	1350.34815	1803.90889	1416.77788
EXPORTGENERATION - Export generation	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
GROSSREVENUE - Gross Revenue, $	113924.333	60069.2087	70103.1322	65907.4782	58068.4764
NETPOS - Net Position (MWh)	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
NETPOSMW - Net position per MW	11.817764	7.844615	10.696645	12.015536	9.473175
NETREVENUE - Net Revenue $	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
NETREVENUEUNHEDGED - Net Revenue without hedges	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
NLGENERATION - Native Load Generation MWh	4367.35476	2761.30452	4011.2419	4806.21444	3713.48483
NLGENERATIONCOST - Native Load Generation Costs	275943.895	174624.898	253670.938	303945.001	234840.78
NWECOSTS - NWE Costs	178627.922	114555.689	183567.805	238037.523	176772.304

NWECOSTSMPS - NWE Costs w/ MPS	178627.922	114555.689	183567.805	238037.523	176772.304
PORTFOLIOLOADNATIVE - Portfolio Load	88123.4513	75044.0763	71547.8803	68030.1074	65347.8077
TOTALCOSTOFSUPPLY - Total Cost of Supply	292552.254	174624.898	253670.938	303945.001	234840.78
TOTALCOSTS - Total Cost	292552.254	174624.898	253670.938	303945.001	234840.78
TOTALGEN - All Generation	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
TOTALVARIABLECOST - Variable Costs $	292552.254	174624.898	253670.938	303945.001	234840.78
WINDCOSTS - Wind Cost	292552.254	174624.898	253670.938	303945.001	234840.78
WINDGEN - Generation - Wind	4632.5637	2761.30452	4011.2419	4806.21444	3713.48483
WINDGROSSREVENUE - Gross Wind Revenue	113924.333	60069.2087	70103.1322	65907.4782	58068.4764
WINDNETREVENUE - Net Wind Revenue $	-178627.92	-114555.69	-183567.81	-238037.52	-176772.3
WINDTOTALCOST - Wind Total Costs	292552.254	174624.898	253670.938	303945.001	234840.78
Wind Asset - Total					
COSTTOSERVELOAD - Cost to Serve Load	905159.251	758882.399	875808.93	1033535.85	858185.501
COSTTOSERVELOADPMW - Cost to Serve Load PMW	4022.38807	3509.68212	4639.02767	6121.72529	5168.34301
EXPORTGENERATION - Export generation	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
GROSSREVENUE - Gross Revenue, $	664594.033	484867.624	438083.206	401962.282	393202.089
MCP - MCP	16.666984	21.900654	16.159951	13.95914	15.835575
MCPMINSPOTPRICE - MCP min spot price	0.666679	0.876026	0.807997	1.256322	10.451479
NETPOS - Net Position (MWh)	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
NETPOSMW - Net position per MW	67.489805	62.51149	65.189471	71.8453	62.728074
NETREVENUE - Net Revenue $	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
NETREVENUEUNHEDGED - Net Revenue without hedges	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
NLGENERATION - Native Load Generation MWh	25178.538	22004.0448	24446.0518	28738.12	24589.4053
NLGENERATIONCOST - Native Load Generation Costs	905159.251	758882.399	875808.93	1033535.85	858185.501
NWECOSTS - NWE Costs	282847.915	274014.775	437725.724	631573.565	464983.411
NWECOSTSMPS - NWE Costs w/ MPS	282847.915	274014.775	437725.724	631573.565	464983.411
OTHERMCPHOUR - Other MCP Hours	0.21	0.47	0.4	0.25	10.76
PORTFOLIOLOADNATIVE - Portfolio Load	354434.018	304828.893	286534.381	272120.43	261574.828
TOTALCOSTOFSUPPLY - Total Cost of Supply	947441.948	758882.399	875808.93	1033535.85	858185.501
TOTALCOSTS - Total Cost	947441.948	758882.399	875808.93	1033535.85	858185.501
TOTALGEN - All Generation	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
TOTALVARIABLECOST - Variable Costs $	947441.948	758882.399	875808.93	1033535.85	858185.501
WINDCOSTS - Wind Cost	947441.948	758882.399	875808.93	1033535.85	858185.501
WINDGEN - Generation - Wind	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
WINDGROSSREVENUE - Gross Wind Revenue	664594.033	484867.624	438083.206	401962.282	393202.089

WINDNETREVENUE - Net Wind Revenue $	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
WINDTOTALCOST - Wind Total Costs	947441.948	758882.399	875808.93	1033535.85	858185.501
Total					
Total - Total					
Total - Total - Total					
AVERAGEHEATRATE - Average Heat Rate (mmBtu/MW)	10.779489	10.89683	11.113942	11.507123	11.481697
CAPACITYFACTOR - Net Generation Capacity Factor	0.409175	0.377477	0.297667	0.228314	0.223523
CAPACITYFACTORNOOUTS - Capacity Factor, %	0.394214	0.362576	0.286152	0.218909	0.173636
COSTOFSUPPLY - Cost of Supply	2281969.4	1715551.64	1318641.6	979202.97	1071638.58
COSTTOSERVELOAD - Cost to Serve Load	2321682.77	1942074.67	1896790.57	1909773.29	1741343.74
COSTTOSERVELOADPMW - Cost to Serve Load PMW	10253.1799	8929.63806	9971.10873	11254.7489	10439.7986
EXPORTGENERATION - Export generation	-5585.4572	-7739.026	-7718.5411	-7147.3414	-15832.746
FIXEDCOST - Fixed Cost	3076588.06	2762650.5	2951013.04	3139375.57	3076588.06
FO - Forced Outage Rate	0.034972	0.035263	0.03387	0.035652	0.036143
FUELCONSUMED - Fuel Consumed	609714.536	508379.033	438525	369546.985	286412.752
FUELCOST - Fuel Cost	542152.686	482623.768	397518.43	329603.023	262333.417
FUELCOSTPMMBTU - Cost, $/mmBtu	2.133281	2.150534	2.133022	2.139815	2.221975
FUELDELIVERYCOST - Fuel Delivery Cost	758223.56	610831.423	538991.264	461617.014	374791.66
GASNLFUELCONSUMED - Native Load Gas Used		2054.71448	563.373028		342.991432
GENCAPACITY - Net Thermal Generation Capacity MWh	138570.703	124119.274	132636.482	140712.703	111767.035
GENCAPACITYMW - Net Thermal Generation Capacity	353.496691	352.611573	353.697285	351.781757	285.119987
GENCAPACITYNOOUTS - Gross Thermal Generation Capacity (MWh)	143903.2	129219.2	138029.6	146840	143903.2
GENCAPACITYNOOUTSMW - Gross Thermal Generation Capacity	367.099999	367.099999	368.078933	367.099999	367.099999
GENERATION - Thermal Generation MWh	56728.728	46851.868	39497.574	32144.646	24986.856
GENERATIONCOSTPMW - Generation Cost	71.560557	163.784307	118.036858	81.087374	78.0591
GENERATIONCOSTPMWCA - Generation Cost PMW with costless adder	24.01612	24.59131	24.764045	25.675651	26.825184
GENERATIONCOSTS - Thermal Generation Costs	1391361.97	1178990.5	1008549.93	861127.702	683586.024
GENERATIONGROSSREVENUE - Gross Generation Revenue	1628741.29	1222983.79	841739.522	502281.012	461936.917
GENERATIONLOAD - Load @ Generation	88770.189	76594.9388	71662.1669	68030.1074	65409.0068
GENERATIONNETREVENUE - Net Revenue Generation	237379.322	43993.2972	-166810.41	-358846.69	-221649.11
GROSSREVENUE - Gross Revenue, $	2293335.32	1707851.42	1279822.73	904243.294	855139.006
HOURSRUN - Runtime Hours	1123.67	1664.03	1878.33	1883.56	1317.79
MARKETGENERATIONCOST - Market Sales Generation Costs	196201.08	199716.767	149759.779	85884.8658	45820.691
MARKETPRICE - Market Price $/Unit	20.14633	16.608704	13.843167	11.217672	12.503112
MARKETPURCHASES - Spot Purchases $	254528.284	234906.19	192265.461	137009.888	258711.708

MARKETPURCHASESHOURS - Market Purchase Flag	214.8	222.36	270.6	282.58	341.82
MARKETPURCHASESMAX - Max Spot Purchases	149.2413	144.332925	121.116933	102.990222	122.80247
MARKETPURCHASESMW - Spot Purchases	8.077365	5.427608	4.053571	3.951254	4.607636
MARKETPURCHASESMWH - Spot Purchases MWh	14,421.11	14,932.05	13,315.72	10,334.60	17,469.95
MARKETSALES - Spot Sales $	247634.851	236747.462	162763.026	70889.7821	49380.5475
MARKETSALESMW - Spot Sales	5.225605	10.8339	9.335812	4.859834	5.132982
MARKETSALESMWH - Spot Sales MWh	7,558.19	7,193.02	5,597.18	3,187.26	1,637.20
MCP - MCP	23.971969	23.762702	20.041056	17.180051	17.859663
MCPMINSPOTPRICE - MCP min spot price	23.840331	23.583427	19.690342	15.705132	17.64107
NETPOS - Net Position (MWh)	-5585.4572	-7739.026	-7718.5411	-7147.3414	-15832.746
NETPOSMW - Net position per MW	-14.248615	-21.985869	-20.582776	-17.868353	-40.389656
NETREVENUE - Net Revenue $	-5722723.8	-4965609.8	-5101550.7	-5302112.5	-4982703.1
NETREVENUEPMW - Net Revenue $/MWh	-64.483109	-64.851213	-71.213056	-77.967038	-76.18382
NETREVENUEUNHEDGED - Net Revenue without hedges	-5722723.8	-4965609.8	-5101550.7	-5302112.5	-4982703.1
NLGENERATION - Native Load Generation MWh	74349.0797	61662.8885	58346.4425	57695.5032	47939.0564
NLGENERATIONCOST - Native Load Generation Costs	2067154.49	1707168.48	1704525.11	1772763.4	1482632.03
NWECOSTS - NWE Costs	5404026.05	4708223.63	4874190.77	5108998.8	4834859.16
NWECOSTSMPS - NWE Costs w/ MPS	5410919.48	4706382.36	4903693.2	5175118.9	5044190.32
PO - Planned Outage Rate				0.000454	0.118506
PORTFOLIOLOADNATIVE - Portfolio Load	684520.525	596168.987	553874.909	523475.798	429563.022
STARTS - Number Starts	3.4	4.18	3.41	3.64	2.89
STARTUPCOST - StartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALCOSTOFSUPPLY - Total Cost of Supply	8016059.16	6673461.24	6381373.4	6206355.76	5837842.07
TOTALCOSTS - Total Cost	4939471.1	3910810.73	3430360.36	3066980.18	2761254.01
TOTALFUELCOST - Total Fuel Cost	1300376.25	1093455.19	936509.694	791220.037	637125.077
TOTALGEN - All Generation	83184.7318	68855.9128	63943.6258	60882.766	49576.2613
TOTALSTARTUPCOST - TotalStartupCost	33165.6468	31447.184	30145.7806	36019.0246	13374.2256
TOTALVARIABLECOST - Variable Costs $	4939471.1	3910810.73	3430360.36	3066980.18	2761254.01
VOMCOSTS - VOM Costs	57820.0722	54088.1201	41894.4528	33888.6396	33086.7207
WINDCOSTS - Wind Cost	947441.948	758882.399	875808.93	1033535.85	858185.501
WINDGEN - Generation - Wind	26456.0038	22004.0448	24446.0518	28738.12	24589.4053
WINDGROSSREVENUE - Gross Wind Revenue	664594.033	484867.624	438083.206	401962.282	393202.089
WINDNETREVENUE - Net Wind Revenue $	-282847.91	-274014.78	-437725.72	-631573.57	-464983.41
WINDTOTALCOST - Wind Total Costs	947441.948	758882.399	875808.93	1033535.85	858185.501

2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
-2888225.5	-3327738.1	-2951013	-3139375.6	-3076588.1	-3013800.6	-3327895.1	-3138119.8	-2817903.5	-3138119.8	-3074077
-2888225.5	-3327738.1	-2951013	-3139375.6	-3076588.1	-3013800.6	-3327895.1	-3138119.8	-2817903.5	-3138119.8	-3074077
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6

15.87	18.17	15.869999	16.42	17.37	16.62	20.27	26.77	24.419999	19.869999	18.77
0	0	0	0	0	0	0	0	0	0	0
15.74	18.04	15.739999	16.29	17.24	16.49	20.14	26.64	24.289999	19.739999	18.64
15.84	18.14	15.839999	16.39	17.34	16.59	20.24	26.74	24.389999	19.839999	18.74
15.089999	17.389999	15.09	15.64	16.589999	15.839999	19.49	25.989999	23.64	19.09	17.99
15.379999	17.679999	15.38	15.93	16.879999	16.129999	19.78	26.279999	23.93	19.38	18.28
15.82	18.12	15.819999	16.37	17.32	16.57	20.22	26.72	24.369999	19.819999	18.72
15.86	18.16	15.859999	16.41	17.36	16.61	20.26	26.76	24.409999	19.859999	18.76

17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	17.96963	18.329023	18.329023	18.329023	18.329023
0.89	0.889999	0.89	0.89	0.89	0.89	0.889999	0.969999	0.97	0.97	0.97
15.55	17.85	15.55	16.1	17.05	16.3	19.95	26.45	24.1	19.55	18.45
2.839587	2.857735	2.855461	2.847505	2.892249	3.345245	3.748458	4.017809	4.031241	3.631875	3.278932
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
12.237434	13.77228	12.238757	12.604761	13.241823	12.779573	15.246507	19.638902	18.073355	15.006741	14.243996
0.023125	0.033018	0.031409	0.032025	0.031173	0.028906	0.024693	0.021122	0.034232	0.024132	0.034843
8088.525	9225	8194.275	8711.775	8545.05	8390.25	9304.425	8633.7	7648.875	8607.15	8338.95
21.979687	21.757075	21.793284	21.779437	21.798596	21.792857	21.944398	22.024744	21.729758	22.013171	21.716015
8280	9540	8460	9000	8820	8640	9540	8820	7920	8820	8640
22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.557544	22.5

5.74559	8.853859	6.40492	5.46302	3.01408	3.67341	3.10827	8.288719	7.911959	6.21654	4.99207
0.019972	0.057938	0.022638	0.029791	0.006291	0.003596	0.002363	0.085526	0.069331	0.013144	0.010811
0.019402	0.055872	0.021914	0.028575	0.005994	0.003463	0.002311	0.083392	0.067102	0.012704	0.010468
1969.12187	16566.2733	4287.42308	3000.67094	52.996558	381.996972	519.289177	11820.8263	8024.95672	1331.95922	433.677
8.942743	63.428385	17.483893	14.200197	0.276156	1.855447	2.070273	48.85541	34.889352	6.198211	2.357251
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16

0.033152	0.031957	0.032553	0.0308	0.030765	0.032369	0.021202	0.027933	0.03392	0.029056	0.031328
3900.59628	12941.8944	4501.52848	6244.23186	1283.8097	726.58166	535.37596	17858.6124	12903.6532	2720.58396	2196.134
11223.3755	37917.0559	13255.3873	17665.6912	3452.65139	2079.18536	1976.08827	56464.909	39329.725	8539.69684	7333.966
1.759866	2.70544	1.960542	1.640795	0.846661	1.140421	1.192313	2.841539	2.654972	2.072595	1.731023
538.16541	4448.59598	1135.99561	828.566683	14.169459	105.628611	117.352981	3018.28588	2254.42555	363.989189	107.17329
20636.4	23806.1	21098.08	22485.44	22036.52	21551.06	24070.58	22100.9	19723.48	22075.38	21574.26
56.077173	56.146462	56.111914	56.2136	56.215612	55.976779	56.770235	56.379846	56.032613	56.458772	56.182968
21344	24592	21808	23200	22736	22272	24592	22736	20416	22736	22272
58	58	58	58	58	57.84935	58	58	58	58.148337	58
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
21.129403	32.370204	23.479081	19.785825	10.396439	13.685982	13.712468	33.360194	31.268481	24.578053	20.362312
21.129403	32.370204	23.479081	19.785825	10.396439	13.685982	13.712468	33.360194	31.268481	24.578053	20.362312
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
16732.1788	57807.5457	19324.5164	26229.2216	4770.16237	2836.20386	2560.47848	81302.6334	58554.0113	11781.9481	10023.7
2510.80474	9919.00356	2596.87946	3759.00664	314.37858	180.032295	163.577414	10725.3841	9094.41075	1066.94074	927.41104
16732.1788	57807.5457	19324.5164	26229.2216	4770.16237	2836.20386	2560.47848	81302.6334	58554.0113	11781.9481	10023.7
222.33	368.33	306.79	190.26	196.05	187.56	189.08	288.63	248.42	218.81	179.74
12252.2522	31322.2688	12440.2138	19469.544	4402.78723	2274.17459	1877.61189	58756.423	41434.6438	9383.04812	8662.6117
14398.2707	37715.2215	14402.4873	22722.9637	4712.29926	2427.14874	1997.43716	67486.0595	48778.2654	10265.8829	9531.7915
31.872406	41.669961	31.045403	29.6015	18.285452	20.195998	16.09156	46.153144	44.100562	35.29797	29.475651
356.983848	901.719757	357.313183	574.972414	134.795651	65.925581	44.380823	1575.57347	1130.61128	250.195856	221.78159
35.056365	35.02945	35.296834	33.870285	32.765617	35.603615	41.745254	39.625358	38.132317	39.429751	38.638852
12.962225	32.151953	20.365523	14.194861	0.982862	4.942086	9.156422	32.801026	27.312193	10.251735	3.477496
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
1.125326	3.240613	1.271063	1.65735	0.347704	0.200363	0.134056	4.836785	3.891931	0.738721	0.607187
2510.80474	9919.00356	2596.87946	3759.00664	314.37858	180.032295	163.577414	10725.3841	9094.41075	1066.94074	927.41104
2510.80474	9919.00356	2596.87946	3759.00664	314.37858	180.032295	163.577414	10725.3841	9094.41075	1066.94074	927.41104
57.136151	472.300242	120.606816	87.967585	1.504348	11.214418	12.459176	320.446531	239.348715	38.644143	11.378414
1969.12187	16566.2733	4287.42308	3000.67094	52.996558	381.996972	519.289177	11820.8263	8024.95672	1331.95922	433.677
4.25	11.83	5.08	6.98	2.06	1.11	0.88	20.67	13.12	3.84	3.47
-2510.8047	-9919.0036	-2596.8795	-3759.0066	-314.37858	-180.0323	-163.57741	-10725.384	-9094.4108	-1066.9407	-927.411
-16909.075	-47634.225	-16999.367	-26481.97	-5026.6778	-2607.181	-2161.0146	-78211.444	-57872.676	-11332.824	-10459.2
0.27	2.06	0.63	0.39		0.1	0.07	1.54	0.97	0.15	0.09
1496.3134	5949.9155	1960.195	2237.8589	423.6893	272.9302	245.8124	7809.6678	5375.6197	1039.6229	728.3295
0.11	0.43	0.16	0.19	0.08	0.07	0.04	0.81	0.41	0.19	0.17

41.1818	160.9834	59.9008	71.1322	29.9504	26.2066	14.9752	309.3147	156.5667	72.5553	64.9179
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
11223.3755	37917.0559	13255.3873	17665.6912	3452.65139	2079.18536	1976.08827	56464.909	39329.725	8539.69684	7333.966
414.12	1374.02	477.92	662.94	136.3	77.14	56.84	1896.02	1369.96	288.84	233.16
41.1818	160.9834	59.9008	71.1322	29.9504	26.2066	14.9752	309.3147	156.5667	72.5553	64.9179
14221.3741	47888.5421	16727.6369	22470.215	4455.78379	2656.17156	2396.90107	70577.2493	49459.6005	10715.0073	9096.2887
2956.8168	9810.5028	3412.3488	4733.3916	973.182	550.7796	405.8376	13803.0256	9973.3088	2102.7552	1697.4048

11.360276	11.190404	11.336745	11.289732	11.337329	11.346685	11.109756	10.855335	10.943361	11.160155	11.245465
0.449369	0.508166	0.458264	0.47432	0.460784	0.452209	0.54444	0.705645	0.643596	0.523826	0.487081
0.432266	0.491569	0.443975	0.457176	0.44828	0.435042	0.526781	0.683559	0.618075	0.503339	0.464109
444865.807	604139.406	491349.379	457794.054	397311.467	439852.537	610439.403	628948.862	499367.872	455757.603	359628.28
2569.26773	2737.87661	2366.17893	2721.69533	2331.1704	2259.26131	2622.91131	2695.81333	2238.16113	2333.83915	2076.131
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
0.039211	0.033608	0.031675	0.036475	0.027474	0.038723	0.033207	0.031785	0.039289	0.040051	0.045364
200385.438	258707.154	209878.224	228823.938	220884.402	210259.991	275111.343	321748.594	263372.053	243973.719	222123.1
178832.229	230993.926	187245.998	203948.233	197359.54	187746.3	246049.047	311859.472	254973.484	237187.453	216346.56
2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.3267	2.399699	2.3997	2.3997	2.3997
287893.759	371684.568	301532.045	328751.352	317344.621	302080.529	395252.466	460003.964	376543.024	348809.226	317569.4
39246.27	45482.25	40413.99	42780.51	42316.53	40973.43	45501.12	42128.94	37536.87	41769.3	40587.15
106.647472	107.269457	107.484015	106.951275	107.950331	106.424493	107.313962	107.471785	106.638835	106.826854	105.6957
40848	47064	41736	44400	43512	42624	47064	43512	39072	43512	42624
111	111	111	111	111	110.711688	111	111	111	111.283887	111
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
28.167786	27.727942	28.040633	28.020879	28.020407	28.173022	27.501766	27.691557	27.915743	28.534271	28.811264
27.798178	27.402818	27.742427	27.635836	27.742593	27.765275	27.213329	27.450986	27.663592	28.177304	28.379759
497051.664	641303.064	519288.569	567943.272	546695.938	522376.879	681835.564	820203.14	671215.327	623873.282	569709.23
317195.648	499362.551	336624.649	387046.151	371708.549	341831.838	568248.741	904221.951	679925.946	503246.371	420156.36
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317195.648	499362.551	336624.649	387046.151	371708.549	341831.838	568248.741	904221.951	679925.946	503246.371	420156.36
353.57	409.75	364.09	385.41	381.23	369.13	409.92	379.54	338.17	376.3	365.65
46050.5565	30234.3777	22814.4106	102714.678	144115.33	75378.5221	64827.7801	184554.858	165957.855	160900.919	201982.76
47865.679	35095.9173	25713.9189	103567.109	139090.738	77650.577	71299.5466	235828.114	205918.835	181299.91	205285.44

27.786624	23.873067	26.400229	33.110434	42.272863	43.582192	29.273888	36.789623	42.746541	48.956076	45.823183
1732.11471	1155.00973	869.672577	3850.62033	5346.75981	2830.44795	2470.11702	6908.98219	6210.80113	5933.35617	7335.3696
16.164616	16.767188	15.320935	17.453262	18.148771	16.699925	19.718	22.888488	21.551464	19.191051	19.884198
15.280727	16.698973	15.260639	15.506097	16.690225	16.242644	19.572569	22.728245	21.3316	18.562724	17.274205
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
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15925.0933	21980.2383	17660.0694	16448.0277	14158.8142	15712.7861	22322.343	22834.0778	17938.6409	15967.9598	12446.828
444865.807	604139.406	491349.379	457794.054	397311.467	439852.537	610439.403	628948.862	499367.872	455757.603	359628.28
42.5	35.81	25.61	75.1	111.59	60.85	80.81	146.49	116.62	107.71	133.37
179856.015	141940.513	182663.921	180897.121	174987.389	180545.041	113586.823	-84018.811	-8710.6185	120626.91	149552.87
131990.336	106844.595	156950.002	77330.012	35896.6513	102894.464	42287.2763	-319846.92	-214629.45	-60672.999	-55732.57
284.74	340.15	321.05	266.31	253.74	295.38	317.35	191.93	189.56	251.81	201.29
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60058.4523	87175.9545	73463.223	62857.9546	63617.8475	69753.6031	92418.0231	85684.1535	72838.613	71200.5586	61100.873
0.85	0.96	0.71	1.03	0.73	0.99	0.91	0.91	0.8	0.98	1.1
6135.3	6929.28	5124.78	7434.54	5269.14	7145.82	6568.38	6699.42	5889.6	7214.76	8098.2
601793.132	776529.293	628991.917	687549.545	662152.215	632279.777	825636.262	988381.13	808879.899	751398.344	685812.98
601793.132	776529.293	628991.917	687549.545	662152.215	632279.777	825636.262	988381.13	808879.899	751398.344	685812.98
466725.989	602678.494	488778.043	532699.584	514704.161	489826.829	641301.513	771863.436	631516.508	585996.679	533915.96
17657.208	23135.248	18529.742	20298.648	19505.574	18543.234	24792.46	29743.06	24149.442	21901.316	19782.198
6135.3	6929.28	5124.78	7434.54	5269.14	7145.82	6568.38	6699.42	5889.6	7214.76	8098.2
601793.132	776529.293	628991.917	687549.545	662152.215	632279.777	825636.262	988381.13	808879.899	751398.344	685812.98
24190.375	31695.2898	25385.7465	27809.1478	26722.6364	25404.2306	33965.6702	41640.284	33809.2188	30661.8424	27695.077
8.92	0.01	0.01	21.61	4.86	0.3				1	14.4

0.02625	0.037122	0.022473	0.029325	0.024515	0.027864	0.018726	0.039005	0.029403	0.023903	0.034843

1075.02	1224.78	1102.65	1164.81	1147.17	1119.9	1248.18	1130.13	1024.95	1147.89	1111.86
2.92125	2.888632	2.932579	2.912025	2.926454	2.908831	2.94382	2.882984	2.911789	2.93578	2.895468
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
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12.00423	11.78077	12.010657	11.998742	11.839823	11.918486	11.523317	11.307663	11.377445	11.581261	11.637739
0.517097	0.576777	0.516744	0.509935	0.563592	0.533924	0.658601	0.807793	0.756262	0.656575	0.632731
0.493903	0.551242	0.492504	0.389517	0.537331	0.504603	0.537131	0.775899	0.717352	0.627912	0.603045
181793.968	230245.447	185870.49	152551.802	201650.448	192402.01	219693.796	276365.733	230888.158	229670.981	217274.56
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7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
0.045516	0.045165	0.045106	0.0499	0.047066	0.053203	0.04316	0.039897	0.051562	0.044515	0.047447
93660.6182	118332.453	95534.6185	80087.4906	107011.598	99187.8384	112677.447	147080.892	122953.409	122192.118	115588.54
83607.829	105527.886	85314.4072	71456.6125	95801.0093	88629.1204	100751.802	142490.06	119042.261	118705.527	112360.22
1.868399	1.868399	1.868399	1.868399	1.8684	1.868399	1.8684	1.799299	1.7993	1.7993	1.7993
91637.5488	115776.472	93471.0708	78357.6008	104700.147	97045.3811	110243.614	121974.183	101965.262	101333.924	95857.576
15103.75	17408.55	15399.59	13129.19	16062.65	15593.52	14846.18	16183.48	14355.55	16105.65	15728.54
41.042798	41.0579	40.956356	32.822975	40.976147	40.502649	35.014575	41.284387	40.782812	41.19092	40.959739
15824	18232	16168	17200	16856	16512	18232	16856	15136	16856	16512
43	43	43	43	43	42.888311	43	43	43	43.109974	43
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
23.861436	23.352669	23.830691	24.546518	23.524734	23.838755	23.197862	21.585095	21.810196	22.188483	22.301641
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139305.293	210023.081	142610.886	121183.684	171491.343	152453.523	219140.66	375460.223	287393.888	233136.511	206095.12
351.25	404.85	358.13	305.33	373.55	362.64	345.26	376.36	333.85	374.55	365.78
407.231447	3.633444	1.897588	3225.14462	6911.66946	687.979941	17.372417				4.533538
424.738219	3.715319	1.885876	3556.3056	7387.22827	749.015686	17.829003				4.161864
4.447014	0.065288	0.042448	10.285339	11.871577	5.057807	0.113566				0.122067
18.718597	0.162155	0.084896	148.198972	316.529078	31.555876	0.794633				0.194295
15.747671	15.948383	14.559234	17.229356	19.537697	17.116669	20.215553	24.796865	22.088093	18.193268	17.824693
14.598959	11.642115	11.647387	16.198509	19.341786	16.216531	16.171248	7.19109	8.614356	7.095374	16.377011
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
21.237853	23.703419	21.177712	16.74925	23.105255	21.641584	23.09665	33.363673	30.846136	27.069309	25.930937
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7796.8114	10050.0878	7962.7351	6551.50103	8740.73092	8300.45412	9792.18537	13078.56	10857.84	10584.1	9957.2857
181793.968	230245.447	185870.49	152551.802	201650.448	192402.01	219693.796	276365.733	230888.158	229670.981	217274.56
0.18			0.56	1.56	0.15					0.01
47001.4062	24545.6994	47117.102	42590.0621	41533.2753	46134.2672	7889.00786	-95198.192	-52208.879	831.32195	15553.656
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21.43	21.04	18.77	17.71	15.28	23.79	17.59	3.24	3.15	4.63	6.45
		0.002659	0.1975		0.002604	0.148584				
59119.752	85280.5678	71665.4393	46732.5373	61260.4859	67365.359	76089.0704	84547.399	70976.9584	70260.5421	60933.433
1.15	1.21	1.08	2.24	1.25	1.54	2.05	1.07	1.18	1.18	1.2
4105.5	4319.7	3855.6	7996.8	4462.5	5497.8	7318.5	3896.298	4296.852	4296.852	4369.68
235263.105	296421.153	239663.933	205635.478	268959.58	250433.273	285926.17	357141.213	299452.757	297837.653	282066.91
235263.105	296421.153	239663.933	205635.478	268959.58	250433.273	285926.17	357141.213	299452.757	297837.653	282066.91
175245.378	221304.358	178785.478	149814.213	200501.156	185674.501	210995.416	264464.243	221007.523	220039.45	208217.79
7815.53	10050.25	7962.82	6699.7	9057.26	8332.01	9792.98	13078.56	10857.84	10584.1	9957.48
4105.5	4319.7	3855.6	7996.8	4462.5	5497.8	7318.5	3896.298	4296.852	4296.852	4369.68
235263.105	296421.153	239663.933	205635.478	268959.58	250433.273	285926.17	357141.213	299452.757	297837.653	282066.91
6955.8217	8944.7225	7086.9098	5962.733	8060.9614	7415.4889	8715.7522	11901.4896	9880.6344	9631.531	9061.3068
0.051413	0.036391	0.030398	0.031	0.03176	0.035911	0.024174	0.031326	0.036619	0.030408	0.028489
1047.24	1225.71	1093.71	1162.8	1138.65	1110.63	1241.25	1139.16	1017.33	1140.24	1119.18
2.84576	2.890825	2.908803	2.907	2.904719	2.884753	2.927476	2.90602	2.890142	2.916214	2.914531
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
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4.644095	11.418982	5.767336	5.065717	1.12	1.12	0.42	11.232565	10.14801	3.084406	1.540909
0.006266	0.020549	0.005794	0.009227	0.000655	0.000258	0.000056	0.023048	0.022865	0.001731	0.00104
0.006184	0.019952	0.005622	0.00883	0.000612	0.00025	0.000056	0.022438	0.022267	0.001719	0.001005
214.573538	2154.62668	222.651556	152.237657				560.852096	826.422686	79.573771	70.219739
0.954003	8.098311	0.940866	0.686518				2.306164	3.570699	0.345892	0.374166

113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
0.026182	0.031627	0.025757	0.030637	0.025816	0.032526	0.028466	0.025599	0.031448	0.032627	0.028476
1608.2	5992.2	1490.9	2495.8	168	67.2	16.8	6193.8	5546.3	473.3	270.5
4544.55875	17563.9962	4338.93385	7016.63511	428.356547	177.450459	60.231472	16887.2521	14709.5724	1251.42194	874.68669
0.954834	2.343185	1.18206	1.022782	0.194531	0.213866	0.107556	2.290983	2.019889	0.594148	0.35302
73.953049	720.577117	75.484481	51.998345				186.022465	346.003433	21.838599	21.599155
17941.5	20531.9	18369.3	19364.3	19106.9	18609.4	20623.5	19073.5	17061.8	18982.4	18580.2
48.754076	48.424292	48.854521	48.41075	48.742091	48.336103	48.64033	48.656887	48.471022	48.548337	48.385937
18400	21200	18800	20000	19600	19200	21200	19600	17600	19600	19200
50	50	50	50	50	49.870129	50	50	50	50.127877	50
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
18.576477	54.153894	25.15828	22.300215	2.723436	3.019657	1.505786	39.67966	40.967936	9.836775	5.670672
13.450949	33.263995	16.662977	14.431723	2.723436	3.019657	1.505786	32.931531	28.657089	8.34223	5.070756
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
5160.47369	20426.2739	4859.7035	7966.84305	447.988226	187.035919	62.466632	19323.7837	17194.8768	1374.34303	935.47232
606.730939	2754.21566	505.057652	918.375934	19.631678	5.50146	2.235159	2220.99362	2423.59038	118.235084	52.349627
5160.47369	20426.2739	4859.7035	7966.84305	447.988226	187.035919	62.466632	19323.7837	17194.8768	1374.34303	935.47232
353.89	604.68	487.67	297.22	177.86	122.67	117.53	340.57	319.55	214.77	152.63
4339.16921	15517.4315	4131.99429	6896.22946	428.356547	181.534459	60.231472	16541.938	13944.8637	1176.53417	812.90295
4919.54012	17988.0835	4609.21697	7789.26859	447.988226	187.035919	62.466632	18711.0548	16215.3639	1287.83868	861.72385
7.091429	17.111473	8.665533	7.891453	3.2	3.2	1.2	16.470011	15.298995	4.345529	2.1881
108.539067	371.766525	100.308251	172.885832	12	4.8	1.2	426.512681	367.185469	32.1401	17.757203
41.404682	42.489781	40.744625	40.503635				41.979235	36.454447	44.912426	47.723626
1.656187	18.683328	3.667016	2.835254				7.556262	7.655433	0.898248	0.954472
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
0.309239	0.997641	0.281117	0.4415	0.030612	0.012467	0.00283	1.121938	1.113352	0.086189	0.05026
606.730939	2754.21566	505.057652	918.375934	19.631678	5.50146	2.235159	2220.99362	2423.59038	118.235084	52.349627
606.730939	2754.21566	505.057652	918.375934	19.631678	5.50146	2.235159	2220.99362	2423.59038	118.235084	52.349627
5.260932	51.233474	5.391748	3.714167				13.287318	24.71453	1.559899	1.542796
214.573538	2154.62668	222.651556	152.237657				560.852096	826.422686	79.573771	70.219739
1.39	5.3	1.5	2.45	0.24	0.11	0.03	6.02	5.5	0.49	0.33
-606.73094	-2754.2157	-505.05765	-918.37593	-19.631678	-5.50146	-2.235159	-2220.9936	-2423.5904	-118.23508	-52.34963
-5526.2711	-20742.299	-5114.2746	-8707.6445	-467.61991	-192.53738	-64.701792	-20932.048	-18638.954	-1406.0738	-914.0735
0.03	0.37	0.01					0.09	0.1		0.02
678.7755	3106.0022	693.3049	978.4227	55.1522	24.0529	7.7027	2844.6797	2567.4383	183.4803	90.2532

0.01	0.16	0.02	0.04		0.01		0.45	0.08	0.01	0.02
4.084	84.194	11.938	23.876		4.084		202.85	41.018	4.166	8.332
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
4544.55875	17563.9962	4338.93385	7016.63511	428.356547	177.450459	60.231472	16887.2521	14709.5724	1251.42194	874.68669
113.8	423	105.7	176.6	12	4.8	1.2	439.8	391.9	33.7	19.3
4.084	84.194	11.938	23.876		4.084		202.85	41.018	4.166	8.332
4553.74275	17672.0582	4354.64585	7048.46711	428.356547	181.534459	60.231472	17102.7901	14771.2864	1256.10794	883.12269
5.1	23.868	3.774	7.956				12.688	20.696	0.52	0.104

0.03538	0.033608	0.029707	0.0202	0.02528	0.023359	0.032334	0.029821	0.031562	0.025025	0.01927

1419.92	1639	1459.32	1567.68	1528.36	1500.12	1641.16	1521.24	1363.56	1528.76	1506.4
3.858478	3.865566	3.88117	3.9192	3.898877	3.896415	3.87066	3.880714	3.87375	3.909872	3.922916
1472	1696	1504	1600	1568	1536	1696	1568	1408	1568	1536
4	4	4	4	4	3.98961	4	4	4	4.01023	4

10.521997	10.396507	10.553706	10.543499	10.395114	10.48236	10.251198	10.219755	10.277113	10.431846	10.503217
0.389476	0.45562	0.384208	0.421413	0.463737	0.418393	0.566222	0.657629	0.607756	0.463853	0.421473
0.202859	0.430293	0.360354	0.398892	0.439255	0.396628	0.53625	0.618799	0.578329	0.440626	0.397123
92991.2216	225239.405	169613.449	198175.069	212474.919	189655.445	276971.68	327786.122	276484.094	237989.966	195567.97
487.268464	998.328145	797.343738	1154.15794	1240.96316	965.030902	1186.86307	1412.78752	1245.1984	1206.76849	1121.8692
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
0.052364	0.057075	0.064893	0.05475	0.056198	0.055781	0.05599	0.061071	0.049801	0.050153	0.058177
45834.7654	111073.848	83623.8202	97820.6781	104596.573	93358.375	136399.139	144198.482	121660.584	105072.058	93415.092
41073.3471	99380.0677	74907.2518	87412.9803	93994.1448	83897.1984	122328.14	139348.822	117620.486	102407.394	91148.622
1.9798	1.9798	1.9798	1.9798	1.9798	1.9798	1.9798	2.2315	2.2315	2.2315	2.2315
49950.7273	121048.28	91133.2392	106604.975	113989.345	101741.957	148647.782	181906.385	153474.827	132548.401	117843.14
11157.44	23428.28	20603.76	22156.66	21680.242	21247.188	23455.236	21568.316	19599.942	21819.124	21138.192

30.31913	55.255377	54.797234	55.391649	55.306739	55.187501	55.318952	55.021214	55.681653	55.803386	55.047374
21564.8	24846.4	22033.6	23440	22971.2	22502.4	24846.4	22971.2	20627.2	22971.2	22502.4
58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.749872	58.599999
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
28.579968	23.648992	24.856162	23.940441	23.993573	24.410233	22.921457	25.342194	25.455471	26.35036	26.688859
21.276912	21.029649	21.337856	21.322596	21.022154	21.19633	20.740573	23.266658	23.396036	23.735854	23.89215
119713.65	250988.723	194553.04	218630.594	238111.466	214595.043	303044.889	352571.557	297396.018	263233.146	234906.75
92025.627	250414.813	162417.258	198164.158	211764.479	182707.786	314547.755	436873.896	344620.505	249804.276	206490.36
-27688.023	-573.91072	-32135.782	-20466.436	-26346.987	-31887.257	11502.8664	84302.3393	47224.4868	-13428.87	-28416.39
92025.627	250414.813	162417.258	198164.158	211764.479	182707.786	314547.755	436873.896	344620.505	249804.276	206490.36
190.4	399.8	351.6	378.1	369.97	362.58	400.26	368.06	334.47	372.34	360.62
1.4373			50.404008	49.173979	0.006378		7.790218	98.702326	1621.82524	17534.455
1.337925			53.984187	57.743661	0.006225		10.181442	122.765968	1922.66328	20900.35
0.067347			1.053589	0.693134	0.000289		0.126554	1.27829	6.551016	15.997108
0.067347			2.366792	2.411987	0.000289		0.34102	4.301947	70.407677	759.10107
16.388998	16.269963	15.621863	17.720012	19.650477	16.749016	18.321906	25.983665	23.4584	20.516463	20.795323
3.764417	4.23019	4.061684	8.135067	7.857298	6.191489	8.611295	21.306605	19.703968	19.850943	20.371379
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222
11.887586	25.215183	21.116771	23.3751	25.740382	23.182083	31.424306	36.261673	33.89009	25.886777	23.271411
-51645.855	-58632.211	-75845.953	-71597.305	-81019.616	-80685.68	-59792.964	8929.79271	-16367.501	-68350.035	-77244.46
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4374.56465	10691.238	7939.906	9347.67321	10087.818	8925.10171	13323.906	14214.235	11925.0101	10051.3223	8177.1209
92991.2216	225239.405	169613.449	198175.069	212474.919	189655.445	276971.68	327786.122	276484.094	237989.966	195567.97
								0.05	0.78	3.59
27688.0229	573.910717	32135.7821	20466.4361	26346.9871	31887.2573	-11502.866	-84302.339	-47224.487	13428.8703	28416.387
27686.685	573.910717	32135.7821	20412.4519	26289.2434	31887.2511	-11502.866	-84312.521	-47347.253	11506.207	7516.0368
1.15	2.28	1.99	6.09	2.35	2.02	6.19	16.97	18.87	20.68	20.52
0.453804										0.002604
30501.1094	78383.8452	65424.4102	57991.2159	56850.9495	63651.3193	83156.8032	76756.5237	67257.0652	65509.6206	56456.216
1.65	1.59	1.54	1.26	1.58	1.54	1.61	1.5	1.26	1.43	1.32
26720.991	25749.3186	24939.5916	20405.1204	25587.3732	24939.5916	26073.2094	24777.645	20813.2218	23621.3549	21804.328
143671.482	309047.024	238263.211	269761.462	292784.095	263393.466	374340.719	427944.104	360988.006	318154.311	283734.82
143671.482	309047.024	238263.211	269761.462	292784.095	263393.466	374340.719	427944.104	360988.006	318154.311	283734.82
91024.0745	220428.348	166040.491	194017.955	207983.49	185639.155	270975.922	321255.207	271095.313	234955.795	208991.76
4374.632	10691.238	7939.906	9350.04	10090.23	8925.102	13323.906	14214.576	11929.312	10121.73	8936.222

26720.991	25749.3186	24939.5916	20405.1204	25587.3732	24939.5916	26073.2094	24777.645	20813.2218	23621.3549	21804.328
143671.482	309047.024	238263.211	269761.462	292784.095	263393.466	374340.719	427944.104	360988.006	318154.311	283734.82
1968.5844	4811.0571	3572.9577	4207.518	4540.6035	4016.2959	5995.7577	6538.70496	5487.48352	4655.9958	4110.6621
3.9	11.1	4.35	4.5	0.45	0.15		8.1	7.8	1.65	0.6
0.005037	0.016675	0.003783	0.006793	0.000153	0.000026		0.01529	0.017124	0.000997	0.000354
0.004918	0.01625	0.003723	0.0064	0.000153	0.000026		0.014897	0.016448	0.000943	0.000312
20.776374	272.542492	14.430454					52.228419	52.898811	0.028443	
0.092543	1.008856	0.060988					0.210114	0.222946	0.000116	
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
0.026793	0.028325	0.03601	0.033775	0.039183	0.026692	0.022783	0.024821	0.033295	0.024336	0.031276
380.1	1446.9	294	537.6	12.6	2.1		1226.4	1215.9	77.7	25.2
1069.97702	4249.5997	860.636449	1507.41747	32.26095	5.172174		3198.85289	3059.68573	201.941606	79.790333
0.745279	2.142874	0.832023	0.838689	0.075829	0.024629		1.488289	1.390576	0.301967	0.121596
7.186502	89.023725	5.141053					15.590864	18.401006	0.006823	
5013.96	5767.86	5074.44	5410.86	5272.96	5232.5	5800.76	5351.78	4763.92	5354.44	5207.86
13.624891	13.603443	13.495851	13.52715	13.451428	13.590909	13.681037	13.6525	13.533863	13.694219	13.562135
5152	5936	5264	5600	5488	5376	5936	5488	4928	5488	5376
14	14	14	14	14	13.963636	14	14	14	14.035805	14
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
11.179188	33.074473	12.587488	12.905335	1.137441	0.369441		24.936821	22.380145	4.904519	1.823947
11.179188	33.074473	12.587488	12.905335	1.137441	0.369441		24.936821	22.380145	4.904519	1.823947
1069.97702	4323.0997	871.136449	1528.41747	32.26095	5.172174		3429.85289	3143.68573	212.441606	79.790333
1195.35491	4872.23814	954.872204	1681.72837	33.23268	5.256304		3642.66047	3595.19437	218.550797	81.913571
125.377891	549.138443	83.735754	153.310902	0.97173	0.08413		212.807579	451.508645	6.109191	2.123237
1195.35491	4872.23814	954.872204	1681.72837	33.23268	5.256304		3642.66047	3595.19437	218.550797	81.913571
198.16	337.38	263.57	159.72	95.87	75.92	49.34	182.84	184.97	136.85	98.19
1049.20064	4050.5572	856.705995	1528.41747	32.26095	5.172174		3377.62447	3090.78692	212.413163	79.790333
1172.434	4570.43826	938.445973	1681.72837	33.23268	5.256304		3587.89049	3549.77222	218.521186	81.913571
3.625778	10.309513	4.021918	4.2	0.42	0.14		7.395018	7.245359	1.539772	0.56
24.860899	90.525084	19.257263	35.84	0.84	0.14		80.720609	79.833266	5.179545	1.68
44.066753	47.776186	42.103592					46.46827	39.526083	62.523519	
0.440667	10.032999	0.421035					2.788096	2.371564	0.625235	
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68

0.068858	0.2275	0.052127	0.0896	0.002142	0.000363		0.208571	0.230284	0.013248	0.004375
125.377891	549.138443	83.735754	153.310902	0.97173	0.08413		212.807579	451.508645	6.109191	2.123237
125.377891	549.138443	83.735754	153.310902	0.97173	0.08413		212.807579	451.508645	6.109191	2.123237
0.4791	5.934915	0.342736					1.03939	1.226733	0.000454	
20.776374	272.542492	14.430454					52.228419	52.898811	0.028443	
1.3	4.29	1.04	1.88	0.06	0.01		4.73	3.78	0.32	0.12
-125.37789	-549.13844	-83.735754	-153.3109	-0.97173	-0.08413		-212.80758	-451.50865	-6.109191	-2.123237
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0.01	0.28						0.03	0.07		
386.1172	1733.8198	333.5299	503.7417	11.0092	2.1035		1402.3878	1322.7501	77.5945	22.0339
	0.07	0.01	0.02				0.22	0.08	0.01	
	73.5	10.5	21				231	84	10.5	
1069.97702	4323.0997	871.136449	1528.41747	32.26095	5.172174		3429.85289	3143.68573	212.441606	79.790333
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1069.97702	4249.5997	860.636449	1507.41747	32.26095	5.172174		3198.85289	3059.68573	201.941606	79.790333
25.34	96.46	19.6	35.84	0.84	0.14		81.76	81.06	5.18	1.68
	73.5	10.5	21				231	84	10.5	
1069.97702	4323.0997	871.136449	1528.41747	32.26095	5.172174		3429.85289	3143.68573	212.441606	79.790333

11.393647	11.118096	11.299851	11.214822	11.205078	11.260917	10.95444	10.793161	10.873402	11.084578	11.16681
0.251644	0.30564	0.263771	0.269986	0.279436	0.265059	0.324492	0.428191	0.393122	0.309903	0.288515
0.225035	0.294057	0.253827	0.253498	0.269641	0.254545	0.308173	0.413151	0.377494	0.298359	0.276165
721855.468	1078617.7	851357.823	811673.834	811489.831	822291.99	1107624.17	1245534.62	1015644.4	924830.111	772974.7
4100.19496	4847.18057	4070.44365	4814.98857	4752.25358	4209.98583	4747.8851	5352.40783	4564.76882	4722.31901	4455.1835
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
0.035051	0.03632	0.034158	0.034502	0.033186	0.03526	0.030291	0.032544	0.036598	0.032439	0.035272
345769.718	508494.449	395323.092	416009.739	433956.982	403602.086	524740.105	638306.78	527651.9	474509.479	433618.56
320351.317	495632.532	365922.614	389007.569	391067.963	362534.427	471165.308	670249.367	548735.214	468293.435	428143.84
2.16456	2.166291	2.150683	2.167434	2.131692	2.13518	2.139606	2.24654	2.239046	2.211461	2.207924
429482.036	608509.32	486136.355	513713.927	536034.113	500867.867	654143.863	763884.533	631983.114	582691.55	531270.11
619.304961	5258.19683	1216.62114	880.565029	14.169459	105.628611	117.352981	3219.89921	2618.82999	385.834612	128.77244
120730.025	149739.43	132809.115	137934.025	138835.032	135327.998	147732.391	138831.146	124096.277	138530.334	134892.59
328.07072	353.159033	353.215731	344.835062	354.171	351.501293	348.42545	354.161086	352.546241	354.297529	351.28279
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4

367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.1
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
131.49426	194.328176	137.952338	131.499215	89.796033	93.497091	88.839341	172.595524	169.797974	116.392462	105.6587
25.838239	25.287961	25.416687	25.448534	24.918026	25.081784	24.456093	25.4912	25.554395	25.604901	25.74209
822917.107	1196744.27	925523.017	981394.712	1002748.42	938402.591	1214367.25	1544146.62	1271170.93	1133257.82	1036324
571614.576	1042906.5	666791.885	742271.786	760215.754	680021.643	1104560.1	1820825.15	1391284.42	999562	843782.93
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1669.6	2524.79	2131.85	1716.04	1594.53	1480.5	1511.39	1936	1759.43	1693.62	1522.61
64099.8473	81128.2687	40245.2223	133884.418	155939.579	78527.3896	66782.9958	263238.634	224526.852	173294.739	229077.05
68781.9999	95373.3759	45665.955	139371.359	151729.23	81019.0398	73377.2794	325623.3	274585.003	194994.816	236665.38
11.711718	15.734396	11.263009	13.433395	12.790504	12.029381	9.335803	17.629194	17.995534	14.433699	13.764887
2241.28447	2519.18326	1346.63617	4784.88434	5813.33653	2932.86969	2516.49247	8992.12997	7792.7331	6291.27935	8335.8838
18.65935	25.681451	19.581493	19.505582	19.003121	17.598068	21.220903	28.74784	25.973861	21.055115	20.03941
18.260156	25.626466	19.516049	18.672321	18.295537	17.35973	21.1463	28.666221	25.848667	20.781219	19.067068
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
82.610407	107.948622	93.180021	93.05942	98.985214	93.201106	113.130627	151.667795	138.578164	109.807841	101.38031
-428958.24	-408974.67	-462080.6	-451721.8	-468596.54	-468927.75	-383800.18	-43751.191	-145410.81	-380011.87	-417891
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28159.3455	43251.0327	33689.0518	32438.8837	32988.8675	32949.5563	45450.8935	50461.646	40986.7809	36643.5866	30594.156
721855.468	1078617.7	851357.823	811673.834	811489.831	822291.99	1107624.17	1245534.62	1015644.4	924830.111	772974.7
49.62	57.23	33.23	86.97	115.51	62.23	81.72	177.91	139.07	113.14	140.89
251302.531	153837.765	258731.132	239122.926	242532.669	258380.948	109807.152	-276678.53	-120113.49	133695.817	192541.03
182520.531	58464.3892	213065.177	99751.5663	90803.4395	177361.908	36429.8724	-602301.83	-394698.5	-61298.998	-44124.35
307.63	366.18	342.45	290.5	271.37	321.29	341.2	213.8	212.72	277.27	228.37
0.041254		0.000241	0.017954		0.000236	0.013507				0.000473
152240.52	261630.105	213540.102	171301.731	182219.134	201069.368	251917.412	259044.812	220338.445	208271.419	179331.14
3.77	4.42	3.52	4.78	3.64	4.15	4.61	4.96	3.81	3.8	3.81
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
1000572.81	1451881.17	1128872.48	1193993.58	1228812.29	1148949.39	1488360.28	1864576.34	1536695.23	1379573.87	1261673.9
1000572.81	1451881.17	1128872.48	1193993.58	1228812.29	1148949.39	1488360.28	1864576.34	1536695.23	1379573.87	1261673.9
749833.352	1104141.85	852058.969	902721.497	927102.076	863402.294	1125309.17	1434133.9	1180718.33	1050984.99	959413.95
30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
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36076.69798.92	55285.44020.01	39461.73680.01	42720.746421.61	40297.38334.86	37386.7950.3	49083.0177	73896.1922	59171.3415	47052.64441	42564.55514.4
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
1222.82486	2013.18645	1782.04398	1101.4052	941.582443	1391.40952	1967.57369	1165.90436	1127.22989	1117.4151	731.88605
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64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
307.59	365.8	342.15	288.79	269.48	320.36	340.85	212.55	211.97	276.29	225.31
139.950312	176.239542	167.133772	130.824196	110.229222	135.609489	168.268764	155.347273	148.869783	127.864392	108.35265
49.726081	80.648907	78.116561	46.455575	41.884512	59.843789	78.939543	67.854367	68.69117	50.912852	36.832757
15483.4682	29709.9507	26870.4808	13742.5267	11470.9743	19321.2943	27298.2419	15330.6928	15078.7356	14301.33	8501.4981
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1280027.25	2190683.07	1644773.37	1330773.79	1330056.31	1525411.48	2463151.32	2716416.98	2166095.4	1755962.95	1380200.4
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
1222.82486	2013.18645	1782.04398	1101.4052	941.582443	1391.40952	1967.57369	1165.90436	1127.22989	1117.4151	731.88605
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64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56
307.59	365.8	342.15	288.79	269.48	320.36	340.85	212.55	211.97	276.29	225.31
139.950312	176.239542	167.133772	130.824196	110.229222	135.609489	168.268764	155.347273	148.869783	127.864392	108.35265
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15483.4682	29709.9507	26870.4808	13742.5267	11470.9743	19321.2943	27298.2419	15330.6928	15078.7356	14301.33	8501.4981
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1280027.25	2190683.07	1644773.37	1330773.79	1330056.31	1525411.48	2463151.32	2716416.98	2166095.4	1755962.95	1380200.4
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
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1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9

170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	223929.743	228019.886	210611.547	231903.41	248689.57
993.535887	718.162591	658.718474	1098.89061	1166.41472	1031.17704	973.291931	988.003003	953.22177	1198.06271	1444.4331
6328.97222	5743.43986	5014.01642	6730.73993	7349.50477	7435.8018	8347.15622	8573.79308	7463.20151	8217.69701	8812.529
99297.2408	102233.609	78127.761	108611.046	126631.102	122548.787	167941.147	227779.66	181274.126	161989.878	163806.57
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170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	223929.743	228019.886	210611.547	231903.41	248689.57
70888.8221	52207.4888	56699.1404	72378.5502	70997.0809	77399.9234	56540.6093	13533.5061	29337.4202	69913.532	84883.002
70888.8221	52207.4888	56699.1404	72378.5502	70997.0809	77399.9234	56540.6093	13533.5061	29337.4202	69913.532	84883.002
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
6328.97222	5743.43986	5014.01642	6730.73993	7349.50477	7435.8018	8347.15622	8573.79308	7463.20151	8217.69701	8812.529

170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
6328.97222	5743.43986	5014.01642	6730.73993	7349.50477	7435.8018	8347.15622	8573.79308	7463.20151	8217.69701	8812.529
99297.2408	102233.609	78127.761	108611.046	126631.102	122548.787	167941.147	227779.66	181274.126	161989.878	163806.57
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170186.063	154441.098	134826.901	180989.597	197628.183	199948.71	224481.756	241313.166	210611.547	231903.41	248689.57
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233228.065	235762.566	217667.062	239723.644	256887.22
1036.67548	746.935313	685.208915	1145.09247	1215.59594	1073.93569	1013.78092	1021.55682	985.137583	1238.51828	1491.9153
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19.362674	15.203366	14.968294	18.918698	21.081309	21.704472	22.125801	24.577875	23.820197	23.617255	25.769534
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7125.46439	6446.22756	5628.07857	7567.47925	8263.87318	8356.22209	9358.70338	9094.35325	8384.70963	9234.34683	9895.5014
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233228.065	235762.566	217667.062	239723.644	256887.22
65828.2194	45814.6231	52520.9711	66521.3457	63580.5697	70521.7469	45078.7607	-6405.1749	14010.2114	57710.5025	72910.38
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1.83	0.58	0.31	0.92	0.26	0.18	1.08	0.29	0.21	0.59	0.34
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
7125.46439	6446.22756	5628.07857	7567.47925	8263.87318	8356.22209	9381.33992	9634.52706	8384.70963	9234.34683	9895.5014
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
7125.46439	6446.22756	5628.07857	7567.47925	8263.87318	8356.22209	9381.33992	9634.52706	8384.70963	9234.34683	9895.5014
111738.353	114825.368	87730.747	122060.237	142355.15	137715.308	188727.772	255955.717	203656.851	182013.141	183976.84
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177566.573	160639.991	140251.718	188581.583	205935.72	208237.054	233806.533	249550.542	217667.062	239723.644	256887.22
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
1133.09963	1019.90462	922.950614	972.833192	767.588682	754.798172	834.052902	797.437592	799.166124	1026.25253	1239.6025

3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
59719.5661	75027.6093	57189.445	48601.201	42527.015	46421.5702	75409.7429	95142.132	82470.2016	75432.719	75211.165

3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
10.360685	10.116427	9.832714	7.780049	6.444562	7.418727	8.847551	9.182693	9.781736	9.915382	10.80799
-135606.71	-144716.57	-132213.03	-110827.58	-86893.722	-99902.07	-116772.51	-89266.181	-93923.458	-123181.62	-137407.1
-135606.71	-144716.57	-132213.03	-110827.58	-86893.722	-99902.07	-116772.51	-89266.181	-93923.458	-123181.62	-137407.1
3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
135606.713	144716.565	132213.03	110827.578	86893.7222	99902.0701	116772.514	89266.1806	93923.4583	123181.618	137407.08
135606.713	144716.565	132213.03	110827.578	86893.7222	99902.0701	116772.514	89266.1806	93923.4583	123181.618	137407.08

64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	69701.7769	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25
3812.73237	4289.36511	3697.10082	3112.01989	2526.26854	2856.21004	3751.36163	3599.61571	3443.17119	3876.91463	4150.2683
59719.5661	75027.6093	57189.445	48601.201	42527.015	46421.5702	75409.7429	95142.132	82470.2016	75432.719	75211.165
-135606.71	-144716.57	-132213.03	-110827.58	-86893.722	-99902.07	-116772.51	-89266.181	-93923.458	-123181.62	-137407.1
195326.279	219744.174	189402.475	159428.779	129420.737	146323.64	192182.256	184408.313	176393.66	198614.337	212618.25

228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	253825.671	282282.159	182031.328	272270.045	293372.24
1336.58376	972.792415	943.305124	1415.67921	1632.35055	1291.96472	1112.73566	1233.4081	829.658857	1417.40303	1711.8474
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4025.9407	4635.22794	2808.25869	4200.40181	4525.9525
54456.2571	54440.5485	44514.1589	55784.954	73293.2511	64175.4566	79192.1876	120741.131	67801.0325	80607.8663	82303.054
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4025.9407	4635.22794	2808.25869	4200.40181	4525.9525
9.810443	7.756951	8.10012	9.135338	11.089817	10.267249	9.495143	11.824561	7.978007	10.742715	11.786334
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-173855.51	-153552.49	-148092.44	-175302.56	-201624.22	-185805.38	-175427.97	-179275.87	-114230.3	-191662.18	-211069.2
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4013.49309	4357.71151	2808.25869	4200.40181	4525.9525
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	253825.671	282282.159	182031.328	272270.045	293372.24
173855.513	153552.494	148092.439	175302.56	201624.219	185805.385	175427.969	179275.868	114230.296	191662.179	211069.18

173855.513	153552.494	148092.439	175302.56	201624.219	185805.385	175427.969	179275.868	114230.296	191662.179	211069.18
64448.1706	91357.1584	77944.3736	66999.041	66946.6968	74821.0261	98199.7556	90374.6479	76859.9734	76361.4492	66479.906
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4025.9407	4635.22794	2808.25869	4200.40181	4525.9525
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
3610.24304	3288.94754	3045.64512	3654.13527	4347.20857	3952.89123	4025.9407	4635.22794	2808.25869	4200.40181	4525.9525
54456.2571	54440.5485	44514.1589	55784.954	73293.2511	64175.4566	79192.1876	120741.131	67801.0325	80607.8663	82303.054
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228311.77	207993.043	192606.598	231087.514	274917.47	249980.842	254620.157	300016.999	182031.328	272270.045	293372.24
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	903165.735	930472.924	786703.597	942511.435	1011567.3
4499.89476	3457.79494	3210.18313	4632.49547	4781.9499	4151.87563	3933.86141	4040.40552	3567.18434	4880.23655	5887.7983
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
325211.417	346527.135	267562.112	335057.439	384806.518	370861.121	511270.849	699618.64	535202.211	500043.604	505297.62
14.586583	19.09322	12.997324	14.546163	14.603217	15.562124	19.57467	25.925253	24.504346	20.212389	18.700111
2.333853	0.954661	0.779839	1.454616	0.73016	0.622484	1.565973	1.03701	0.73513	1.212743	2.431014
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
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20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25450.6201	25144.8163	22099.341	25529.3603	27384.251
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	903165.735	930472.924	786703.597	942511.435	1011567.3
446179.268	396291.171	389525.58	425030.035	423095.591	433629.125	393819.853	275670.38	251501.386	442467.831	506269.65
446179.268	396291.171	389525.58	425030.035	423095.591	433629.125	393819.853	275670.38	251501.386	442467.831	506269.65
1.83	0.58	0.31	0.92	0.26	0.18	1.08	0.29	0.21	0.59	0.34
258008.848	369544.049	311777.494	268736.395	267786.787	294266.755	392799.022	363186.113	311354.546	305784.28	265919.62
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
325211.417	346527.135	267562.112	335057.439	384806.518	370861.121	511270.849	699618.64	535202.211	500043.604	505297.62

-446179.27	-396291.17	-389525.58	-425030.03	-423095.59	-433629.13	-393819.85	-275670.38	-251501.39	-442467.83	-506269.6
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
11.393647	11.118096	11.299851	11.214822	11.205078	11.260917	10.95444	10.793161	10.873402	11.084578	11.16681
0.251644	0.30564	0.263771	0.269986	0.279436	0.265059	0.324492	0.428191	0.393122	0.309903	0.288515
0.225035	0.294057	0.253827	0.253498	0.269641	0.254545	0.308173	0.413151	0.377494	0.298359	0.276165
1058174.79	1747117.25	1270635.88	1137889.67	1166074.12	1251882.27	2007080.87	2444394.82	1914021.22	1535577.26	1251573.9
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9822.91457	10318.162	9062.67076	10548.8892	10475.7859	9753.27098	10649.3202	10558.7177	9259.18304	10719.9707	11074.868
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2888225.53	3327738.11	2951013.04	3139375.57	3076588.06	3013800.55	3327895.08	3138119.82	2817903.52	3138119.82	3074076.6
0.035051	0.03632	0.034158	0.034502	0.033186	0.03526	0.030291	0.032544	0.036598	0.032439	0.035272
345769.718	508494.449	395323.092	416009.739	433956.982	403602.086	524740.105	638306.78	527651.9	474509.479	433618.56
320351.317	495632.532	365922.614	389007.569	391067.963	362534.427	471165.308	670249.367	548735.214	468293.435	428143.84
2.16456	2.166291	2.150683	2.167434	2.131692	2.13518	2.139606	2.24654	2.239046	2.211461	2.207924
429482.036	608509.32	486136.355	513713.927	536034.113	500867.867	654143.863	763884.533	631983.114	582691.55	531270.11
619.304961	5258.19683	1216.62114	880.565029	14.169459	105.628611	117.352981	3219.89921	2618.82999	385.834612	128.77244
120730.025	149739.43	132809.115	137934.025	138835.032	135327.998	147732.391	138831.146	124096.277	138530.334	134892.59
328.07072	353.159033	353.215731	344.835062	354.171	351.501293	348.42545	354.161086	352.546241	354.297529	351.28279
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
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30400.63	45770.216	35035.688	37223.768	38802.204	35882.426	47967.386	59453.776	48779.514	42934.866	38930.04
131.49426	194.328176	137.952338	131.499215	89.796033	93.497091	88.839341	172.595524	169.797974	116.392462	105.6587
25.838239	25.287961	25.416687	25.448534	24.918026	25.081784	24.456093	25.4912	25.554395	25.604901	25.74209
822917.107	1196744.27	925523.017	981394.712	1002748.42	938402.591	1214367.25	1544146.62	1271170.93	1133257.82	1036324
571614.576	1042906.5	666791.885	742271.786	760215.754	680021.643	1104560.1	1820825.15	1391284.42	999562	843782.93
64520.2258	92728.9635	77944.3736	67245.7847	66946.6968	74871.9758	98199.7556	90937.1551	78164.8575	76474.2769	66479.906
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1669.6	2524.79	2131.85	1716.04	1594.53	1480.5	1511.39	1936	1759.43	1693.62	1522.61
64099.8473	81128.2687	40245.2223	133884.418	155939.579	78527.3896	66782.9958	263238.634	224526.852	173294.739	229077.05
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221852.463	443565.826	374137.494	192884.119	163982.195	273529.21	456070.448	272022.16	252074.18	220385.697	128626.56

307.59	365.8	342.15	288.79	269.48	320.36	340.85	212.55	211.97	276.29	225.31
139.950312	176.239542	167.133772	130.824196	110.229222	135.609489	168.268764	155.347273	148.869783	127.864392	108.35265
4.14384	6.720742	6.509713	3.871297	3.807682	5.440344	7.893954	5.65453	5.724264	4.242737	3.069396
15,483.47	29,709.95	26,870.48	13,742.53	11,470.97	19,321.29	27,298.24	15,330.69	15,078.74	14,301.33	8,501.50
68781.9999	95373.3759	45665.955	139371.359	151729.23	81019.0398	73377.2794	325623.3	274585.003	194994.816	236665.38
6.831835	9.178398	6.570088	7.836147	6.976638	6.56148	4.667901	10.283696	10.497395	8.419657	8.029517
2,241.28	2,519.18	1,346.64	4,784.88	5,813.34	2,932.87	2,516.49	8,992.13	7,792.73	6,291.28	8,335.88
18.521782	25.623799	19.480056	19.355179	18.945248	17.595911	21.187727	28.747033	25.983465	21.051891	19.947292
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49036.7576	63019.0128	51073.8928	53503.258	55475.7225	55550.6815	70901.5137	75606.4623	63086.1219	62172.9469	57978.407
1493246.15	1821436.01	1508445.51	1571761.31	1619391.94	1626782.24	2010789.9	2176007.55	1802348	1867341.55	1784542
4643882.12	5624984.29	4869905.63	4941418.2	4908290.44	4957692.89	5838602.95	5581506.5	4863312.62	5249860.73	5024461.1
4796952.58	5973176.74	5198377.17	4994930.96	4920543.41	5150203.06	6221296.12	5527905.36	4840801.8	5275251.61	4916422.3
0.041254		0.000241	0.017954		0.000236	0.013507				0.000473
474769.594	723903.117	603261.97	507283.911	516952.618	570208.098	742916.19	713168.08	609857.848	590529.976	511730.67
3.77	4.42	3.52	4.78	3.64	4.15	4.61	4.96	3.81	3.8	3.81
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
5718363.82	7269554.83	6007609.09	6231346.3	6279376.58	6219122.46	7728426.93	8422380.01	7055323.56	6995782.38	6598891.6
2830138.29	3941816.72	3056596.05	3091970.73	3202788.52	3205321.91	4400531.86	5284260.18	4237420.05	3857662.56	3524815
749833.352	1104141.85	852058.969	902721.497	927102.076	863402.294	1125309.17	1434133.9	1180718.33	1050984.99	959413.95
51278.042	65538.1961	52420.5289	58288.1423	61289.0591	58483.5512	73473.1845	85896.9398	70878.855	68464.2263	66314.291
37007.0568	37316.976	34002.3104	35952.4686	35348.9636	37613.5022	39975.0646	36116.5277	31281.2585	35220.1882	34345.458
2830138.29	3941816.72	3056596.05	3091970.73	3202788.52	3205321.91	4400531.86	5284260.18	4237420.05	3857662.56	3524815
36076.6979	55285.4402	39461.7368	42720.7464	40297.3833	37386.795	49083.0177	73896.1922	59171.3415	47052.6444	42564.555
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3
20877.412	19767.9801	17384.8409	21064.3743	22486.8551	22601.1252	25505.7985	26443.1638	22099.341	25529.3603	27384.251
325211.417	346527.135	267562.112	335057.439	384806.518	370861.121	511270.849	699618.64	535202.211	500043.604	505297.62
-446179.27	-396291.17	-389525.58	-425030.03	-423095.59	-433629.13	-393819.85	-275670.38	-251501.39	-442467.83	-506269.6
771390.685	742818.306	657087.692	760087.473	807902.11	804490.247	905090.702	975289.02	786703.597	942511.435	1011567.3

2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
-3138119.8	-3074076.6	-3266206.3	-3010033.3	-3330249.6	-3010033.3	-3074076.6	-3394453	-3200882.2	-2874261.6	-3331530.5
-3138119.8	-3074076.6	-3266206.3	-3010033.3	-3330249.6	-3010033.3	-3074076.6	-3394453	-3200882.2	-2874261.6	-3331530.5
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
14.87	15.519999	17.169999	16.819999	14.82	16.42	17.27	18.019999	29.240345	26.670345	21.690276
0	0	0	0	0	0	0	0	0	0	0
14.74	15.389999	17.039999	16.689999	14.69	16.29	17.14	17.889999	29.114267	26.544267	21.564226
14.84	15.489999	17.139999	16.789999	14.79	16.39	17.24	17.989999	29.21125	26.64125	21.661188
14.089999	14.74	16.39	16.04	14.039999	15.639999	16.489999	17.24	28.483878	25.913877	20.933977
14.379999	15.03	16.68	16.33	14.329999	15.929999	16.779999	17.53	28.765129	26.195128	21.215165
14.82	15.469999	17.119999	16.769999	14.77	16.37	17.22	17.969999	29.191853	26.621854	21.641795
14.86	15.509999	17.159999	16.809999	14.81	16.41	17.26	18.009999	29.230646	26.660647	21.68058

18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.329023	18.695603	18.695603	18.695603
0.97	0.969999	0.97	0.97	0.969999	0.969999	0.969999	0.97	0.989999	0.99	0.989999
14.55	15.2	16.85	16.5	14.5	16.1	16.95	17.7	28.93	26.36	21.38
3.088624	3.100873	3.127452	3.117214	3.115298	3.162432	3.665525	4.095906	4.410663	4.398186	3.946946
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
0.033545	0.023437	0.024607	0.030744	0.030096	0.032393	0.026953	0.037311	0.033035	0.034005	0.026348
8524.125	8437.5	8954.1	8199.9	9078.3	8185.95	8407.125	9184.05	8528.625	7650.675	8938.125
21.745216	21.972656	21.946323	21.808244	21.822836	21.771143	21.836688	21.660495	21.756696	21.734872	21.960995
8820	8640	9180	8460	9360	8460	8640	9540	8820	7920	9180
22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.555282

3.12

2.18

2.54313	3.95598	6.875869	4.7095	3.20246	0.75352	1.60123	0.56514	7.911959	7.535199	6.12235
0.007231	0.010718	0.023899	0.01525	0.014261	0.001152	0.001643	0.000239	0.100649	0.083868	0.021504
0.006989	0.01039	0.023259	0.01468	0.013966	0.001117	0.001614	0.000235	0.097295	0.081306	0.020906
1786.24097	1207.43426	8326.36021	3021.06737	1873.28577		60.16421	48.50589	12904.1837	8749.94606	1721.88948
10.012583	5.281149	31.067549	12.47842	8.170051		0.27793	0.186186	52.317288	37.356734	8.045702
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74

0.030688	0.030651	0.03348	0.029707	0.02798	0.032021	0.027005	0.023938	0.027295	0.030937	0.03397
1496.86748	2179.74498	5184.40598	3015.58704	3174.01462	229.44684	338.70724	54.6302	20835.9583	15635.1632	4659.95606
4495.21331	6952.57736	16545.75	9734.26178	9578.66164	735.860889	1086.01434	232.325259	73173.1233	54587.5903	17135.3618
0.807338	1.314594	2.297678	1.582223	1.05806	0.246834	0.540662	0.244939	2.971744	2.849507	2.267655
470.081002	297.646891	2082.93419	749.216819	488.168603		15.301907	9.695985	3073.69294	2101.80186	412.798823
22038.26	21589.34	22871.72	21160.14	23452.88	21109.68	21670.54	24003.3	22115.4	19784.38	22860.12
56.220051	56.222239	56.058137	56.276968	56.377115	56.142765	56.287116	56.611556	56.416836	56.205625	56.167371
22736	22272	23664	21808	24128	21808	22272	24592	22736	20416	23664
58	58	58	58	58	58	57.84935	58	58	58	58.142506
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
9.707582	15.482511	27.164232	18.574697	12.502601	2.952401	6.39045	2.743889	34.444872	32.920752	26.462608
9.707582	15.482511	27.164232	18.574697	12.502601	2.952401	6.39045	2.743889	34.444872	32.920752	26.462608
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
6226.12657	10048.6963	24637.8361	13961.1659	14280.4599	962.24139	1448.86904	288.314552	105411.141	81523.3507	23730.3996
562.519561	1392.28783	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.3978	2837.32253
6226.12657	10048.6963	24637.8361	13961.1659	14280.4599	962.24139	1448.86904	288.314552	105411.141	81523.3507	23730.3996
146.75	186.64	267.39	218.08	139.08	169.88	140.67	129.23	267.65	233.31	218.01
3877.36605	7448.97421	12321.9149	9070.69011	10185.3212	928.476489	1299.09503	226.043369	77039.9698	58362.0069	19171.1876
4306.10136	8553.60237	14775.1653	10522.6778	12069.8956	962.24139	1386.38537	238.777386	90228.9737	70640.3467	21777.4786
11.829364	22.3634	26.972728	21.992024	17.05665	4.64	8.959026	3.203952	43.923267	42.447177	35.657783
109.01226	199.81931	329.278245	240.616861	285.151928	24.36	34.335421	4.770592	1885.79099	1436.81509	450.913816
36.599208	37.13098	37.962853	38.064081	36.629567		39.816581	46.431311	42.670388	41.860998	40.82369
7.639039	7.79749	26.147866	16.743631	8.781972		1.538186	1.392939	34.94873	26.354309	13.020759
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
0.405408	0.602656	1.349068	0.851489	0.810048	0.064787	0.093402	0.013679	5.643163	4.715795	1.215577
562.519561	1392.28783	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.3978	2837.32253
562.519561	1392.28783	3989.56092	1869.40841	2221.85299	33.7649	89.6098	13.765292	15466.988	14411.3978	2837.32253
49.907739	31.600689	221.141754	79.543138	51.828071		1.624578	1.029407	326.329009	223.144905	43.826183
1786.24097	1207.43426	8326.36021	3021.06737	1873.28577		60.16421	48.50589	12904.1837	8749.94606	1721.88948
1.8	3	5.25	3.49	3.35	0.42	0.58	0.09	24.08	16.27	6.46
-562.51956	-1392.2878	-3989.5609	-1869.4084	-2221.853	-33.7649	-89.6098	-13.765292	-15466.988	-14411.398	-2837.3225
-4868.6209	-9945.8902	-18764.726	-12392.086	-14291.749	-996.00629	-1475.9952	-252.54268	-105695.96	-85051.744	-24614.801
0.52	0.11	1.08	0.58	0.18		0.01	0.01	1.38	0.95	0.19
490.2062	867.2993	2475.6405	1325.6842	1174.4926	78.1616	128.4995	26.4554	9263.0047	6604.8708	1795.3147
0.03	0.05	0.25	0.07	0.07	0.04	0.03		0.86	0.49	0.21

11.4561	19.0935	95.4675	26.7309	26.7309	15.2748	11.4561		334.9786	190.8599	81.7971
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
4495.21331	6952.57736	16545.75	9734.26178	9578.66164	735.860889	1086.01434	232.325259	73173.1233	54587.5903	17135.3618
158.92	231.42	550.42	320.16	336.98	24.36	35.96	5.8	2212.12	1659.96	494.74
11.4561	19.0935	95.4675	26.7309	26.7309	15.2748	11.4561		334.9786	190.8599	81.7971
5663.60701	8656.40846	20648.2751	12091.7575	12058.6069	928.476489	1359.25924	274.549259	89944.1535	67111.953	20893.0771
1156.9376	1684.7376	4007.0576	2330.7648	2453.2144	177.3408	261.7888	42.224	16436.0516	12333.5028	3675.9182

11.420911	11.397074	11.301002	11.344154	11.385415	11.449437	11.340637	11.308853	10.843652	10.92799	11.10734
0.41796	0.438622	0.469878	0.456573	0.444915	0.426857	0.456734	0.467941	0.735243	0.673341	0.55782
0.21493	0.422425	0.454524	0.441102	0.430816	0.4135	0.441249	0.454292	0.710941	0.647932	0.53782
244694.51	463841.888	572645.276	504981.094	503370.02	428997.736	470680.879	585789.844	682017.34	542052.417	507238.959
1445.4171	2593.76944	2559.91723	2380.66524	2929.63147	2479.77415	2368.96352	2473.85426	2867.07166	2378.21094	2530.94605
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
0.034515	0.037786	0.033161	0.034175	0.03262	0.031968	0.034687	0.029834	0.033903	0.040625	0.035735
106657.742	205005.096	232379.224	208603.796	226099.178	197361.076	213070.256	241514.715	333467.603	274756.163	269576.792
103447.797	198966.324	225961.036	202981.518	218555.45	192613.342	207976.906	235575.193	329991.99	272542.763	267473.433
2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.3997	2.475999	2.476	2.476
152488.573	293095.785	332232.577	298240.847	323253.995	282167.13	304626.545	345293.588	495532.858	408287.658	400591.112
22349.85	41013.39	43786.17	40309.65	44669.73	40401.78	41145.48	45659.85	42036.81	37484.7	43669.62
57.014923	106.805703	107.319044	107.206515	107.379158	107.451542	106.871376	107.688325	107.23676	106.490625	107.296363
43512	42624	45288	41736	46176	41736	42624	47064	43512	39072	45288
111	111	111	111	111	111	110.711688	111	111	111	111.272727
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
30.029258	29.161338	28.865128	28.915483	29.089435	29.204167	28.992336	28.87424	28.530118	28.815995	29.220897
28.807404	28.748008	28.514276	28.617519	28.724819	28.865762	28.604919	28.528965	28.278282	28.48552	28.929501
279924.995	524190.056	593858.567	532149.566	576359.631	504462.956	545707.464	617722.24	876669.449	723865.512	709502.687
156222.535	314107.296	409184.537	350485.327	338322.876	304980.101	361729.887	428737.944	1033178.44	791603.355	619707.602
-123702.46	-210082.76	-184674.03	-181664.24	-238036.76	-199482.86	-183977.58	-188984.3	156508.993	67737.8434	-89795.085
156222.535	314107.296	409184.537	350485.327	338322.876	304980.101	361729.887	428737.944	1033178.44	791603.355	619707.602
201.35	369.49	394.47	363.15	402.43	363.98	370.68	411.35	378.71	337.7	393.42
24334.7247	53427.8874	14366.631	22015.0719	66290.1909	69943.7197	68253.5452	25012.1163	187743.829	174979.904	195655.808
25299.1818	54594.9523	16312.4397	24455.5638	66567.7282	67861.8697	72647.3234	26801.3704	253297.901	230895.565	232318.164

26.980643	30.357411	20.278193	27.471082	27.995959	32.699156	44.312282	26.053732	34.151257	38.021276	49.120131
900.293508	1954.14901	529.742737	812.185169	2445.09401	2492.17835	2489.62128	919.993556	6812.11611	6341.75919	7023.3706
15.364522	16.18645	16.39915	16.383575	15.641823	17.140174	17.158832	17.844509	23.915835	22.416938	20.110462
14.72163	15.070793	16.368227	16.327935	14.251112	16.148445	16.87531	17.802934	23.816575	22.28522	19.719887
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
23.85726	46.88926	50.452196	48.962388	47.820682	45.898526	48.851527	50.426514	78.914515	71.920494	59.844712
-179452.46	-317238.92	-306138.65	-290701.44	-356218.8	-302643.49	-295349.4	-315224.04	-17794.523	-75877.203	-230702.87
-179452.46	-317238.92	-306138.65	-290701.44	-356218.8	-302643.49	-295349.4	-315224.04	-17794.523	-75877.203	-230702.87
8451.75249	16051.327	20054.7533	17597.6728	17448.31	14765.6677	16318.2167	20460.8484	24122.3739	18974.2548	17333.4274
244694.51	463841.888	572645.276	504981.094	503370.02	428997.736	470680.879	585789.844	682017.34	542052.417	507238.959
21.21	41.52	20.83	24.56	50.93	58.52	52.98	33.61	150.12	122.23	119.08
123702.46	210082.76	184674.03	181664.239	238036.756	199482.855	183977.577	188984.296	-156508.99	-67737.843	89795.085
98403.2779	155487.807	168361.59	157208.675	171469.027	131620.986	111330.254	162182.926	-409806.89	-298633.41	-142523.08
163.22	300.94	353.46	323.53	318.23	291.44	306.6	366.59	182.62	176.89	255.73
0.466836										
31983.7737	64743.2739	85390.1855	74845.1262	67419.3224	61709.4284	71691.2677	94580.3156	87274.5875	74022.2005	76531.669
1.48	0.94	0.93	0.7	0.91	0.75	0.92	0.94	0.92	0.91	0.88
10895.76	6920.28	6846.66	5153.4	6699.42	5521.5	6773.04	6920.28	6908.28	6833.19	6607.92
335674.996	631346.219	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050972.97	867480.558	850410.476
335674.996	631346.219	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050972.97	867480.558	850410.476
255936.37	492062.109	558193.613	501222.365	541809.445	474780.472	512603.45	580868.781	825524.849	680830.422	668064.546
9352.046	18005.476	20584.496	18409.858	19893.404	17257.846	18807.838	21380.842	30934.49	25316.014	24356.798
10895.76	6920.28	6846.66	5153.4	6699.42	5521.5	6773.04	6920.28	6908.28	6833.19	6607.92
335674.996	631346.219	715323.188	641186.77	694541.672	607623.59	657079.286	743961.981	1050972.97	867480.558	850410.476
13092.8644	25207.6664	28818.2944	25773.8012	27850.7656	24160.9844	26330.9732	29933.1788	44236.3207	36201.9	34830.2211
2.54	12.16			15.79	4.58	0.1				0.16

0.029362	0.034322	0.033725	0.030425	0.028581	0.028164	0.023671	0.027783	0.019285	0.032982	0.023602

1141.47	1112.46	1182.72	1093.68	1212.33	1096.23	1124.73	1236.66	1153.32	1021.17	1195.11
2.911913	2.897031	2.898823	2.908723	2.914254	2.915505	2.921376	2.91665	2.942142	2.901051	2.936388
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

12.046299	11.993596	11.834613	11.869709	12.065908	11.927806	11.803615	11.684142	11.391681	11.506097	11.707037
0.503256	0.521539	0.56248	0.554289	0.502771	0.542238	0.571293	0.5993	0.775285	0.728753	0.623612
0.292162	0.497906	0.538665	0.525637	0.390339	0.518106	0.54012	0.486621	0.741125	0.698146	0.593703
110467.638	184649.558	210021.513	189231.898	156732.592	187502.834	197890.863	194774.831	307949.045	262801.017	263009.43
646.98226	1019.84621	932.835985	887.137969	933.633502	1078.47466	991.79078	813.413082	1303.21922	1161.12003	1314.88898
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
0.047857	0.045989	0.043357	0.050372	0.045456	0.04468	0.053515	0.046509	0.043928	0.043494	0.049289
59058.9463	98382.5299	111706.521	100682.919	83755.0597	99642.2677	105051.569	103502.094	141088.956	120289.331	121153.549
57008.5858	95579.5201	108783.477	98001.918	80927.5227	97246.659	102655.79	100866.943	139510.753	119322.291	120142.425
1.7993	1.7993	1.7993	1.7993	1.799299	1.7993	1.7993	1.7993	2.1015	2.1015	2.1015
48977.5842	81588.6321	92638.2175	83496.3449	69458.071	82633.3326	87119.2659	85834.2867	156820.375	133701.592	134662.17
9771.75	15752.62	16783.33	15311.87	13865.35	15445.6	15589.22	14800.17	16115.54	14477.67	16679.27
24.927933	41.022447	41.135612	40.723058	33.330168	41.078723	40.49148	34.906061	41.111071	41.129744	40.981007
16856	16512	17544	16168	17888	16168	16512	18232	16856	15136	17544
43	43	43	43	43	43	42.888311	43	43	43	43.105651
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
23.885562	23.105407	22.669076	22.839093	23.858956	22.888577	22.745646	22.853909	25.265649	25.521403	26.013119
22.593945	22.487744	22.195769	22.258558	22.630156	22.354211	22.133777	21.92036	24.868486	25.106723	25.531642
116439.534	189456.311	214209.123	193856.476	164677.821	191654.03	202988.823	202713.083	312554.712	266602.693	269097.052
81461.2358	142975.363	184548.955	159716.942	114789.385	148814.12	170004.249	176834.026	400517.911	316150.262	256406.053
-34978.298	-46480.947	-29660.168	-34139.534	-49888.435	-42839.91	-32984.574	-25879.057	87963.1985	49547.569	-12690.999
81461.2358	142975.363	184548.955	159716.942	114789.385	148814.12	170004.249	176834.026	400517.911	316150.262	256406.053
227.03	366.34	390.31	356.09	322.45	359.2	362.54	344.19	374.78	336.69	387.89
	0.104355			6.976226				0.024474	50.305235	1481.97967
	0.094904			5.713669				0.037293	60.189649	1784.15973
	0.005168			0.285867				0.001053	0.431169	5.938422
	0.005168			0.327046				0.001053	2.024017	61.089042
14.438355	15.172918	16.597518	15.032525	14.777366	15.452891	16.200354	16.6575	27.660666	23.677942	21.298428
14.438355	4.69262	4.149379	4.359432	4.659013	5.253983	5.670124	4.6641	22.128533	20.597513	20.404678
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
12.562984	21.41	23.162622	22.602393	16.784591	22.27859	23.164857	20.92474	31.868392	30.020284	25.591965
-65848.409	-97905.496	-88049.166	-86766.495	-93667.205	-94922.923	-87895.029	-79979.601	14216.001	-13327.664	-76017.959
-65848.409	-97905.496	-88049.166	-86766.495	-93667.205	-94922.923	-87895.029	-79979.601	14216.001	-13327.664	-76017.959

4924.69	8221.43483	9450.35	8498.5	6982.06295	8376.75	8918.47	8872.09	12492.4089	10565.116	10354.841
110467.638	184649.558	210021.513	189231.898	156732.592	187502.834	197890.863	194774.831	307949.045	262801.017	263009.43
									0.09	0.4
34978.2981	46480.9472	29660.1677	34139.5335	49888.4355	42839.9098	32984.5742	25879.0568	-87963.199	-49547.569	12690.9989
34978.2981	46480.8523	29660.1677	34139.5335	49882.7218	42839.9098	32984.5742	25879.0568	-87963.236	-49607.759	10906.8392
108.94	3.39	2.7	2.34	3.43	3.48	3.31	2.35	17.95	21.95	21
0.387755			0.002659	0.189903		0.002604	0.148584			
36298.6049	63519.4998	83580.8777	72523.095	50860.8753	60109.7265	69004.0426	77244.6049	85252.0643	73583.2977	74552.7343
1.64	1.32	1.15	1.27	2.18	1.14	1.4	2.18	1.24	1.01	1.24
5971.896	4806.648	4187.61	4624.578	7938.252	4151.196	5097.96	7938.252	4605.64272	3751.37028	4605.64272
147309.645	240880.859	272598.121	246483.438	208456.59	243737.043	257899.278	256813.628	386301.91	329477.926	332424.012
147309.645	240880.859	272598.121	246483.438	208456.59	243737.043	257899.278	256813.628	386301.91	329477.926	332424.012
105986.17	177168.152	201421.694	181498.263	150385.594	179879.992	189775.056	186701.229	296331.128	253023.882	254804.594
4924.69	8221.44	9450.35	8498.5	6982.39	8376.75	8918.47	8872.09	12492.41	10567.14	10415.93
5971.896	4806.648	4187.61	4624.578	7938.252	4151.196	5097.96	7938.252	4605.64272	3751.37028	4605.64272
147309.645	240880.859	272598.121	246483.438	208456.59	243737.043	257899.278	256813.628	386301.91	329477.926	332424.012
4481.4679	7481.5104	8599.8185	7733.635	6353.9749	7622.8425	8115.8077	8073.6019	11617.9413	9827.4402	9686.8149
0.020535	0.042265	0.048161	0.028351	0.024543	0.027739	0.027031	0.024174	0.029642	0.033011	0.025661
1151.85	1103.31	1165.05	1096.02	1217.37	1096.71	1120.86	1241.25	1141.14	1021.14	1192.59
2.938392	2.873203	2.855514	2.914946	2.92637	2.916781	2.911324	2.927476	2.911071	2.900965	2.930196
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

1.121139	2.255511	5.780576	3.650712	2.953673	0.42	10.959117	9.731199	5.501745
0.001103	0.001989	0.007199	0.003152	0.004746	0.000064	0.027911	0.028848	0.003642
0.001015	0.001911	0.006911	0.003101	0.004629	0.000062	0.02702	0.02775	0.003549
94.840562	76.907228	604.509511	57.189541	41.912825		1108.79978	931.50336	17.55626
0.532505	0.349827	2.209241	0.255409	0.173619		4.566332	3.9422	0.074985

19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
0.024948	0.024257	0.031875	0.030824	0.032788	0.022686	0.032213	0.032912	0.031352	0.025482	0.031237
279.5	520.7	1999.8	821.9	1361.1		16.8		7464.8	6912	1018.4
794.014468	1683.80737	6386.86263	2614.15289	4023.2318		48.89333		22770.683	21482.5099	3348.03838
0.240671	0.510242	1.286237	0.825619	0.648873		0.087309		2.546135	2.237376	1.25071
33.6	24.316804	188.002412	17.686751	13.707674				356.650414	288.648348	4.697295
19099	18707.7	19814.7	18291.9	20064.6	18361.5	18583.6	20500.6	19007.4	17141	19792.6
48.721938	48.717968	48.565441	48.64867	48.232211	48.833776	48.26909	48.350471	48.488265	48.696022	48.630466
19600	19200	20400	18800	20800	18800	19200	21200	19600	17600	20400
50	50	50	50	50	50	49.870129	50	50	50	50.12285
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
3.888294	9.469216	28.321223	14.995078	14.641609		1.222333		45.798364	46.620775	22.043214
3.43357	7.200753	18.228249	11.702251	9.301471		1.222333		36.261182	31.701522	17.815532
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333		23040.815	21567.6299	3370.65238
853.301524	1987.35414	7514.47508	2936.54714	4559.13714		52.18403		26158.6135	25564.1926	3731.90198
50.643055	301.154771	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.56264	361.249591
853.301524	1987.35414	7514.47508	2936.54714	4559.13714		52.18403		26158.6135	25564.1926	3731.90198
258.25	268.62	395.11	306.12	202.19	122.94	83.96	59.21	314.86	299.3	243.28
707.817906	1609.29215	5823.98312	2563.10535	4006.29997		48.89333		21932.0152	20636.1266	3353.09612
751.33765	1878.73939	6826.62707	2875.66324	4513.23431		52.18403		24918.2757	24424.4661	3714.28775
1.65	3.350956	8.713413	5.432545	4.66928		1.2		16.21147	14.801028	7.958059
17.5	34.963085	127.597146	57.03666	95.32088		1.2		504.134166	467.78226	72.064478
40.638393	47.156196	48.17345	45.762633	43.434381				47.221923	46.105251	52.325359
0.812767	0.943123	5.868496	2.745758	1.303031				10.384388	11.526312	0.523253
19.9	36.7	141	58.3	96.3		1.2		529.6	488.4	72.4
0.050765	0.095572	0.345588	0.155053	0.23149		0.003116		1.35102	1.3875	0.177886
50.643055	301.154771	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.56264	361.249591
50.643055	301.154771	1085.98244	316.25225	510.924347		3.290699		3117.7985	3996.56264	361.249591
2.4	1.736914	13.402853	1.263339	0.979119				25.465833	20.617739	0.335521
94.840562	76.907228	604.509511	57.189541	41.912825				1108.79978	931.50336	17.55626
0.3	0.5	1.92	0.84	1.22		0.03		7.31	6.89	1.11
-50.643055	-301.15477	-1085.9824	-316.25225	-510.92435		-3.290699		-3117.7985	-3996.5626	-361.24959
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0.02		0.06	0.01					0.19	0.07	
93.9643	235.6471	1083.9315	380.7935	548.6188		6.1061		3511.8229	3268.2025	402.5856

0.02		0.06	0.01	0.04			0.52	0.12	0.04
8.332		32.686	4.166	20.509			252.324	58.832	20.918
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333	23040.815	21567.6299	3370.65238
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333	23040.815	21567.6299	3370.65238
794.014468	1683.80737	6386.86263	2614.15289	4023.2318		48.89333	22770.683	21482.5099	3348.03838
19.9	36.7	141	58.3	96.3		1.2	529.6	488.4	72.4
8.332		32.686	4.166	20.509			252.324	58.832	20.918
802.658468	1686.19937	6428.49263	2620.29489	4048.2128		48.89333	23040.815	21567.6299	3370.65238
0.312	2.392	8.944	1.976	4.472			17.808	26.288	1.696

0.029362	0.034843	0.03522	0.038085	0.024471	0.027792	0.026354	0.032122	0.03079	0.039119	0.028529

1521.96	1482.48	1574.52	1446.72	1623.28	1462.2	1495.52	1641.52	1519.72	1352.92	1585.44
3.882551	3.860625	3.859117	3.847659	3.902115	3.888829	3.884467	3.871509	3.876836	3.843522	3.895429
1568	1536	1632	1504	1664	1504	1536	1696	1568	1408	1632
4	4	4	4	4	4	3.98961	4	4	4	4.009828

10.819721	10.776439	10.625278	10.679926	10.798298	10.762547	10.638053	10.5825	10.234215	10.313534	10.410828
0.300058	0.316071	0.35911	0.343956	0.319636	0.319837	0.361396	0.378342	0.679048	0.63164	0.502724
0.212967	0.299767	0.34103	0.323587	0.302707	0.302289	0.341514	0.358828	0.646149	0.599842	0.47577
118359.212	164316.431	196915.311	172768.106	177792.505	161325.812	186024.655	214923.554	349843.832	292731.037	273505.965
691.92418	893.830439	859.596274	799.031464	1017.70871	920.292167	928.431816	899.872942	1478.90414	1291.43581	1360.50522
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
0.069387	0.055625	0.051911	0.062207	0.055096	0.057553	0.055182	0.053797	0.048877	0.052869	0.053308
52520.487	72326.8847	86379.7049	75789.4861	78994.067	71283.6052	81443.2125	94020.3001	150305.33	125846.252	117373.905
50856.2344	70407.3544	84196.643	73879.9604	76423.2591	70284.4636	79937.748	92215.7713	148928.734	124536.271	116713.345
2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2315	2.2803	2.2803	2.2803
66254.5944	91240.3651	108967.998	95608.4367	99651.0156	89924.268	102740.613	118606.609	193938.967	162379.419	151447.55
16249.194	21250.704	22667.652	20662.946	23034.488	20765.496	21260.666	23509.734	21848.424	19536.654	22634.25

41.452025	55.340374	55.55797	54.954643	55.371365	55.227382	55.222509	55.447485	55.735775	55.501857	55.612407
22971.2	22502.4	23908.8	22033.6	24377.6	22033.6	22502.4	24846.4	22971.2	20627.2	23908.8
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.74398
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
32.645267	29.133998	27.335526	28.048017	28.754681	28.510373	27.149956	27.764382	25.611573	26.650986	26.892471
24.607884	24.506586	24.164839	24.28574	24.560888	24.46019	24.185533	24.062481	23.806019	23.984959	24.211117
153719.538	189858.66	220701.85	196224.277	205072.313	186893.932	206696.267	243335.254	373432.152	315308.429	298274.929
92712.6142	134025.747	181327.217	152038.569	143577.415	131938.754	164250.125	195647.544	504464.916	395791.173	305652.016
-61006.924	-55832.913	-39374.633	-44185.708	-61494.898	-54955.179	-42446.142	-47687.709	131032.764	80482.7447	7377.08716
92712.6142	134025.747	181327.217	152038.569	143577.415	131938.754	164250.125	195647.544	504464.916	395791.173	305652.016
277.29	362.64	386.82	352.61	393.08	354.36	362.81	401.19	372.84	333.39	386.25
1001.99203	434.216141			1676.24086	1946.76499	188.759194				1.227784
1174.00103	498.605418			1956.38258	2131.28312	223.919458				1.188677
6.106882	3.402716			7.262832	6.496816	1.91777				0.048392
44.717825	18.645011			73.369216	83.159368	7.98842				0.048392
14.508848	15.648116	16.215971	15.826946	16.664933	17.650945	17.868809	17.321117	27.318748	25.154691	22.962797
14.498034	14.478098	13.134937	13.136365	15.202145	16.622633	14.636459	13.510471	13.932561	9.055688	12.850697
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104
12.479897	17.56639	19.984387	18.962239	17.738668	17.714186	19.960774	21.027349	37.864367	35.150789	27.948658
-88459.383	-93638.176	-84525.305	-83800.872	-102785.1	-92215.119	-85016.509	-96832.12	52468.1686	14702.9086	-53974.253
-88459.383	-93638.176	-84525.305	-83800.872	-102785.1	-92215.119	-85016.509	-96832.12	52468.1686	14702.9086	-53974.253
4847.40217	6726.84899	8153.63	7129.802	7305.91678	6577.37463	7676.90958	8915.596	14842.832	12373.078	11375.0556
118359.212	164316.431	196915.311	172768.106	177792.505	161325.812	186024.655	214923.554	349843.832	292731.037	273505.965
2.44	0.03			0.24	0.22	0.05				
61006.9242	55832.913	39374.6332	44185.708	61494.8978	54955.1786	42446.142	47687.7093	-131032.76	-80482.745	-7377.0872
59832.9232	55334.3075	39374.6332	44185.708	59538.5153	52823.8954	42222.2225	47687.7093	-131032.76	-80482.745	-7378.2758
79.49	21.8	21.04	19.68	19.89	17.08	20.11	20.83	2.85	1.78	2.72
0.242346										
40903.2043	59625.8775	77786.1536	67285.9337	61011.2013	55515.7023	65474.7566	84867.9682	79954.3024	68853.7914	69765.521
2.08	1.52	1.44	1.42	1.55	1.43	1.24	1.72	1.4	1.34	1.47
34358.3344	25108.0136	23786.5392	23456.1706	25603.5665	23621.3549	20482.8532	28411.6996	23588.32	22577.392	24767.736
181171.997	227663.923	265852.521	235839.441	246362.512	224153.873	249266.634	292479.664	451996.748	381088.265	359626.269
181171.997	227663.923	265852.521	235839.441	246362.512	224153.873	249266.634	292479.664	451996.748	381088.265	359626.269
117110.829	161647.719	193164.641	169488.397	176074.275	160208.732	182678.361	210822.38	342867.701	286915.69	268160.894
4892.12	6745.494	8153.63	7129.802	7379.286	6660.534	7684.898	8915.596	14842.832	12373.078	11375.104

34358.3344	25108.0136	23786.5392	23456.1706	25603.5665	23621.3549	20482.8532	28411.6996	23588.32	22577.392	24767.736
181171.997	227663.923	265852.521	235839.441	246362.512	224153.873	249266.634	292479.664	451996.748	381088.265	359626.269
2250.3752	3102.92724	3750.6698	3279.70892	3394.47156	3063.84564	3535.05308	4101.17416	6976.13104	5815.34666	5346.29888
0.75	1.65	4.5	2.7	2.4				7.2	7.8	3.3
0.000584	0.001566	0.0055	0.00224	0.003898				0.018055	0.021381	0.002194
0.000535	0.001536	0.005392	0.002101	0.00375				0.017755	0.020625	0.002107
23.651171		93.637127						85.062075	37.959813	
0.133705		0.33597						0.3371	0.15905	
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
0.032168	0.030677	0.022426	0.03109	0.032307	0.037632	0.02888	0.026367	0.025357	0.03534	0.03223
44.1	123.9	462	165.9	327.6				1461.6	1524.6	180.6
123.083651	398.278959	1479.13449	532.924157	959.133938				4220.19147	4663.24759	580.567887
0.14818	0.351881	0.939189	0.579092	0.49237				1.479735	1.68146	0.696588
8.4		28.660022						22.766286	11.948024	
5311.46	5211.08	5583.9	5100.34	5635.84	5065.9	5220.74	5779.48	5348.84	4753.84	5527.9
13.549642	13.57052	13.686029	13.564734	13.547692	13.473138	13.560363	13.630849	13.645	13.505227	13.582063
5488	5376	5712	5264	5824	5264	5376	5936	5488	4928	5712
14	14	14	14	14	14	13.963636	14	14	14	14.034398
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
2.222707	5.278229	14.375346	8.769714	8.88556				23.004878	25.85789	10.823822
2.222707	5.278229	14.375346	8.769714	8.88556				23.004878	25.85789	10.823822
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887
131.695252	457.646311	1714.13989	598.037885	1070.36838				4871.09638	5535.00185	640.072253
8.6116	59.367352	214.005394	54.613728	90.234438				440.904911	766.754263	49.004366
131.695252	457.646311	1714.13989	598.037885	1070.36838				4871.09638	5535.00185	640.072253
149.37	162.49	222.55	168.51	107.9	66.46	47.21	39.63	159.42	149.56	121.08
99.43248	398.278959	1406.49736	543.424157	980.133938				4345.12939	4730.28777	591.067887
107.168246	457.646311	1612.54184	598.037885	1070.36838				4774.52785	5482.76739	640.072253
0.7	1.54	4.005866	2.52	2.24				6.695247	7.237674	3.08
2.38	8.26	28.889331	11.06	21.84				95.922247	100.843465	12.04
44.068224		50.120824						49.784442	49.513164	
0.440682		3.007249						2.987066	1.980526	
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04

0.0075	0.02151	0.07549	0.029414	0.0525				0.248571	0.28875	0.029582
8.6116	59.367352	214.005394	54.613728	90.234438				440.904911	766.754263	49.004366
8.6116	59.367352	214.005394	54.613728	90.234438				440.904911	766.754263	49.004366
0.56		1.910668						1.517752	0.796534	
23.651171		93.637127						85.062075	37.959813	
0.13	0.4	1.32	0.6	1.13				5.02	4.86	0.71
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38.3247	128.8311	573.0886	186.2648	313.2553				1681.9216	1683.4726	180.2451
		0.02	0.01	0.02				0.2	0.1	0.01
		21	10.5	21				210	105	10.5
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887
123.083651	398.278959	1479.13449	532.924157	959.133938				4220.19147	4663.24759	580.567887
2.94	8.26	30.8	11.06	21.84				97.44	101.64	12.04
		21	10.5	21				210	105	10.5
123.083651	398.278959	1500.13449	543.424157	980.133938				4430.19147	4768.24759	591.067887

11.411005	11.409336	11.278099	11.325382	11.386549	11.428281	11.302027	11.228348	10.802976	10.901615	11.063927
0.180635	0.245013	0.269473	0.259487	0.2411	0.242926	0.261267	0.265477	0.440328	0.406329	0.324496
0.134469	0.235863	0.259791	0.249422	0.227289	0.234148	0.251466	0.251681	0.424652	0.390857	0.311977
475426.093	814092.219	988606.606	870059.355	839810.316	777826.383	854656.561	995536.735	1353908.26	1107303.88	1045493.8
2795.00234	4513.07707	4385.96225	4079.5685	4889.31735	4478.54098	4289.46404	4187.32647	5706.41574	4872.22477	5214.46094
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
0.034301	0.034919	0.035436	0.036073	0.033339	0.03321	0.033428	0.033424	0.032256	0.035759	0.033741
220057.642	378538.855	438111.656	389079.588	393711.02	368516.395	399920.544	439091.74	654624.248	544963.51	513963.202
216724.929	373987.862	443352.903	387744.735	390467.26	360880.325	391705.351	428890.232	718595.475	597134.672	525393.171
2.202277	2.216516	2.225421	2.218446	2.244757	2.205237	2.208511	2.222168	2.3867	2.383402	2.354074
267720.752	465924.782	533838.792	477345.628	492363.082	454724.73	494486.423	549734.483	846292.2	704368.669	686700.832
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273.364589	353.28277	353.882014	352.854164	345.803288	353.69959	352.255794	348.010882	354.120456	352.909514	353.99269
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8

367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
102.378673	111.630701	148.730533	122.142085	117.732845	83.55552	86.500723	82.236421	182.655455	186.387804	141.456133
26.212093	26.411519	26.249067	26.248846	26.712232	26.273744	26.029525	26.017102	27.064578	27.229947	27.185728
556673.416	914245.913	1057346.44	937485.795	963196.718	883939.395	956800.707	1064045.13	1680071.47	1399224.46	1301729.47
337607.508	603602.104	808927.16	679736.589	616599.641	586695.216	697485.314	801507.829	2074602.12	1616167.34	1209868.05
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1260.04	1716.22	2056.65	1764.56	1570.25	1436.82	1367.87	1384.8	1868.26	1692.13	1749.93
30021.3331	63318.7532	33919.0264	34192.2915	83145.1631	72818.9612	69790.2927	25238.1597	291060.968	258758.631	220254.367
31637.79	65983.6407	39526.7739	38451.9426	86183.3227	70955.3942	74309.8122	27040.1477	373219.716	331503.335	260235.351
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15.99218	17.268758	22.554574	19.477849	17.179162	17.177877	17.46674	17.788847	30.560561	27.550745	22.528857
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19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
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475426.093	814092.219	988606.606	870059.355	839810.316	777826.383	854656.561	995536.735	1353908.26	1107303.88	1045493.8
25.88	45.45	29.32	29.49	56.87	59.16	53.64	33.7	186.53	150.34	127.76
219065.908	310643.81	248419.282	257749.206	346597.077	297244.179	259315.393	262537.297	-394530.65	-216942.87	91861.4203
187428.118	244660.169	208892.508	219297.263	260413.754	226288.785	185005.581	235497.149	-767750.36	-548446.21	-168373.93
352.23	326.24	378.42	346.14	341.73	312	330.03	389.78	205.07	201.65	279.64
0.099721			0.000241	0.017263		0.000236	0.013507			
109808.078	189120.429	250889.877	216546.897	181327.766	177413.019	206304.673	256719.344	266937.703	228015.836	223228.07
5.25	3.83	3.85	3.48	4.77	3.36	3.59	4.84	5.14	3.97	3.85
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
670745.987	1110631.89	1282350.73	1138765.13	1166447.73	1076442.98	1165653.35	1293529.82	2006686.78	1671494.58	1567315.55
670745.987	1110631.89	1282350.73	1138765.13	1166447.73	1076442.98	1165653.35	1293529.82	2006686.78	1671494.58	1567315.55
484445.68	839912.645	977191.695	865090.363	882830.341	815605.056	886191.774	978624.716	1564887.68	1301503.34	1212094
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
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20981.9571	37479.2336	45184.7843	39119.8859	40056.8985	35025.0133	38243.6228	42150.1789	79284.2526	64204.4777	53540.9491
2.54	12.16			15.79	4.58	0.1				0.16
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02
1904.1625	1266.43417	2274.00682	2013.643	1307.63039	1148.21303	1560.31309	2464.50095	1184.2272	1137.61562	1268.22327
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362.68	324.56	377.81	346.1	340.83	310.14	329.55	389.47	203.61	200.87	279.22
136.501027	145.570433	183.337212	173.19758	145.203779	114.079814	140.391929	176.147609	157.358235	151.456053	129.322231
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996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
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996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02
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66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
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362.68	324.56	377.81	346.1	340.83	310.14	329.55	389.47	203.61	200.87	279.22
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23929.2993	16894.2726	33798.693	28861.9639	18179.8396	13951.8596	21003.3853	36428.5796	15642.4144	15703.2695	15930.6558
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996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
1322776.02	1354512.2	2122940.75	1801147.84	1320516.34	1281623.72	1640266.12	2405644.85	3004664.27	2396349.37	2038992.96
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94

232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235011.948	240602.082	221653.413	254252.024
1376.85135	1052.08234	713.546019	678.9337	1164.53218	1153.86076	1058.81785	1001.54629	1022.21689	981.668967	1281.26488
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019
121406.43	100785.99	93186.051	83293.4135	101740.279	114838.928	126948.138	149179.967	248854.845	197562.855	184128.584
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019
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8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8327.26304	8104.26844	7453.04011	8549.16019
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235011.948	240602.082	221653.413	254252.024
111475.412	84768.6598	63090.0268	58410.0319	95181.4593	84295.907	82467.3359	86409.3955	5562.6709	24090.558	70123.4395
111475.412	84768.6598	63090.0268	58410.0319	95181.4593	84295.907	82467.3359	86409.3955	5562.6709	24090.558	70123.4395
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019

232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
8252.36861	6575.28881	5537.77738	5021.38361	6978.09137	7056.51435	7420.81763	8347.23613	8578.98753	7453.04011	8549.16019
121406.43	100785.99	93186.051	83293.4135	101740.279	114838.928	126948.138	149179.967	248854.845	197562.855	184128.584
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232881.842	185554.65	156276.078	141703.445	196921.739	199134.835	209415.474	235589.363	254417.516	221653.413	254252.024
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	242967.979	246266.135	226755.082	260144.476
1422.70588	1089.02027	736.574662	700.975781	1204.33133	1194.08185	1094.52596	1035.50961	1046.28324	1004.24716	1310.99899
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
136383.204	113322.91	104647.544	93511.3994	114332.425	129127.183	142640.96	167641.376	279636.534	221969.047	206884.263
14.15664	11.911494	14.817608	16.891589	12.397571	16.903649	18.46684	16.685875	31.884164	14.554803	20.027396
10.19278	0.357344	0.592704	1.182411	1.239757	0.845182	0.923342	1.168011	1.913049	0.145548	1.001369
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
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9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9358.95266	9106.96572	8373.52593	9606.51685
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	242967.979	246266.135	226755.082	260144.476
104258.922	78724.0986	56687.1059	52799.8132	89309.7447	76924.859	73833.0575	75925.9662	-19171.636	4786.03459	53260.2135
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11.35	0.15	0.26	0.37	1.61	0.26	0.23	0.52	0.4	0.01	0.44
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
9269.7275	7397.80463	6214.73997	5636.02514	7844.45954	7937.28975	8338.75258	9381.43903	9640.41201	8373.52593	9606.51685
136383.204	113322.91	104647.544	93511.3994	114332.425	129127.183	142640.96	167641.376	279636.534	221969.047	206884.263
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240642.126	192047.008	161334.65	146311.213	203642.17	206052.042	216474.017	243567.342	260464.897	226755.082	260144.476
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
983.432455	1123.41184	973.591828	911.479434	970.218974	738.788255	728.958899	816.443342	790.783285	775.599946	1032.14322

3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
46857.9654	58655.388	68752.1134	60901.208	45296.5085	39056.7419	47080.6004	66641.6299	105587.08	89180.0205	85334.1183
3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
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119493.626	140045.208	144784.089	129159.704	118701.384	87886.069	96971.294	125406.353	80997.6999	85668.0086	119826.512
119493.626	140045.208	144784.089	129159.704	118701.384	87886.069	96971.294	125406.353	80997.6999	85668.0086	119826.512
66610.6127	69404.7757	90815.3515	77752.873	68997.7259	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
3247.15188	3878.59839	4168.18666	3709.95339	3201.20813	2477.89988	2811.86598	3748.74064	3642.09994	3413.00076	4004.69706
46857.9654	58655.388	68752.1134	60901.208	45296.5085	39056.7419	47080.6004	66641.6299	105587.08	89180.0205	85334.1183
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166351.591	198700.596	213536.203	190060.912	163997.892	126942.811	144051.894	192047.983	186584.78	174848.029	205160.63
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	260573.361	292441.409	184957.649	288973.32
1397.30144	1341.34395	954.589204	959.288493	1439.77403	1604.32338	1280.45268	1117.80293	1251.60786	824.45792	1464.14056
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
52190.0055	52934.7218	50264.0677	48830.4027	51912.0099	67142.634	65135.229	70150.0882	131720.968	72456.5561	91413.8198
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
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3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4019.83461	4405.26572	2783.82976	4349.38772
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	260573.361	292441.409	184957.649	288973.32
183453.578	182093.711	157209.582	150172.644	190404.698	208178.478	187394.798	191191.109	177643.833	112501.093	197559.501

183453.578	182093.711	157209.582	150172.644	190404.698	208178.478	187394.798	191191.109	177643.833	112501.093	197559.501
66565.6271	69241.3168	89584.1086	78434.4951	71454.5265	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81415.9536
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
3635.35303	3625.8629	3200.76597	3070.08711	3738.30158	4247.47164	3895.8659	4031.50706	4662.57745	2783.82976	4349.38772
52190.0055	52934.7218	50264.0677	48830.4027	51912.0099	67142.634	65135.229	70150.0882	131720.968	72456.5561	91413.8198
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235643.583	235028.433	207473.65	199003.046	242316.708	275321.112	252530.027	261341.197	309364.801	184957.649	288973.32
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	930601.271	965894.406	808214.174	1008530.45
5180.29112	4605.8584	3378.30172	3250.67741	4778.85651	4691.05424	4162.75539	3971.30217	4110.89128	3585.97399	5088.54766
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
356837.604	325699.01	316849.776	286536.424	313281.223	350165.487	381804.927	453613.061	765799.427	581168.479	567760.785
14.15664	11.911494	14.817608	16.891589	12.397571	16.903649	18.46684	16.685875	31.884164	14.554803	20.027396
10.19278	0.357344	0.592704	1.182411	1.239757	0.845182	0.923342	1.168011	1.913049	0.145548	1.001369
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
62.256635	55.931132	46.866348	46.376194	52.312645	57.763764	58.356628	60.162553	67.663461	62.566467	65.134549
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24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25454.7909	25258.5998	22023.3966	26509.7618
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	930601.271	965894.406	808214.174	1008530.45
518681.538	485631.677	421770.804	390542.193	493597.286	457285.313	440666.486	478932.823	245032.568	227045.694	440769.666
518681.538	485631.677	421770.804	390542.193	493597.286	457285.313	440666.486	478932.823	245032.568	227045.694	440769.666
11.35	0.15	0.26	0.37	1.61	0.26	0.23	0.52	0.4	0.01	0.44
266397.465	277455.644	362030.163	315399.757	283914.247	261563.31	305543.633	400531.738	370847.767	319534.696	326059.664
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
356837.604	325699.01	316849.776	286536.424	313281.223	350165.487	381804.927	453613.061	765799.427	581168.479	567760.785

-518681.54	-485631.68	-421770.8	-390542.19	-493597.29	-457285.31	-440666.49	-478932.82	-245032.57	-227045.69	-440769.67
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
11.411005	11.409336	11.278099	11.325382	11.386549	11.428281	11.302027	11.228348	10.802976	10.901615	11.063927
0.180635	0.245013	0.269473	0.259487	0.2411	0.242926	0.261267	0.265477	0.440328	0.406329	0.324496
0.134469	0.235863	0.259791	0.249422	0.227289	0.234148	0.251466	0.251681	0.424652	0.390857	0.311977
996037.098	1113192.23	1609143.8	1368607.73	1085863.45	1078050.5	1327097.68	1820943.74	2723425.12	2135831.23	1783265.94
1677684.16	1866742.88	2241024.13	1979678.09	1881341.72	1788850.4	1990296.41	2510839.11	2601041.82	2176036.2	2309751.27
9879.45596	10385.3696	10038.2708	9343.88891	10975.8043	10317.8082	10012.5325	10623.1296	11001.5342	9595.81438	11571.2319
-22855.396	-14678.431	-32783.186	-27741.065	-15258.736	-11352.162	-18470.24	-35449.684	-5078.9728	-7354.0454	-8311.1295
3138119.82	3074076.56	3266206.35	3010033.3	3330249.61	3010033.3	3074076.56	3394452.98	3200882.22	2874261.59	3331530.47
0.034301	0.034919	0.035436	0.036073	0.033339	0.03321	0.033428	0.033424	0.032256	0.035759	0.033741
220057.642	378538.855	438111.656	389079.588	393711.02	368516.395	399920.544	439091.74	654624.248	544963.51	513963.202
216724.929	373987.862	443352.903	387744.735	390467.26	360880.325	391705.351	428890.232	718595.475	597134.672	525393.171
2.202277	2.216516	2.225421	2.218446	2.244757	2.205237	2.208511	2.222168	2.3867	2.383402	2.354074
267720.752	465924.782	533838.792	477345.628	492363.082	454724.73	494486.423	549734.483	846292.2	704368.669	686700.832
512.081002	321.963695	2299.59662	766.90357	501.876278		15.301907	9.695985	3453.10964	2402.39823	417.496118
107158.919	135660.584	144383.862	132673.166	143854.168	132991.046	135618.481	147556.614	138815.219	124224.149	144075.025
273.364589	353.28277	353.882014	352.854164	345.803288	353.69959	352.255794	348.010882	354.120456	352.909514	353.99269
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
19350.616	33248.79	38910.696	34427.68	34710.2	32319.49	35448.366	39174.328	61108.892	50506.232	46727.012
102.378673	111.630701	148.730533	122.142085	117.732845	83.55552	86.500723	82.236421	182.655455	186.387804	141.456133
26.212093	26.411519	26.249067	26.248846	26.712232	26.273744	26.029525	26.017102	27.064578	27.229947	27.185728
556673.416	914245.913	1057346.44	937485.795	963196.718	883939.395	956800.707	1064045.13	1680071.47	1399224.46	1301729.47
337607.508	603602.104	808927.16	679736.589	616599.641	586695.216	697485.314	801507.829	2074602.12	1616167.34	1209868.05
66610.6127	69404.7757	90815.3515	79606.1945	71730.9971	65390.8275	76385.9083	100132.934	92711.9417	79883.674	81547.9033
-219065.91	-310643.81	-248419.28	-257749.21	-346597.08	-297244.18	-259315.39	-262537.3	394530.647	216942.872	-91861.42
694445.113	929301.113	1125776.94	966273.013	929880.864	936860.703	1079290.24	1255120.89	2840401.55	2197335.81	1777628.83
1260.04	1716.22	2056.65	1764.56	1570.25	1436.82	1367.87	1384.8	1868.26	1692.13	1749.93
30021.3331	63318.7532	33919.0264	34192.2915	83145.1631	72818.9612	69790.2927	25238.1597	291060.968	258758.631	220254.367
11.628137	12.062491	13.164706	12.930519	11.597026	12.667621	13.276212	13.812077	21.355303	19.64093	16.283313
326738.926	241319.973	513796.948	432540.115	234652.893	203573.217	313168.437	584701.105	281239.152	260518.144	255727.02

362.68	324.56	377.81	346.1	340.83	310.14	329.55	389.47	203.61	200.87	279.22
136.501027	145.570433	183.337212	173.19758	145.203779	114.079814	140.391929	176.147609	157.358235	151.456053	129.322231
5.473969	4.278815	7.409385	6.91174	4.362051	4.959136	6.332008	10.335355	5.847035	6.087272	4.630217
23,929.30	16,894.27	33,798.69	28,861.96	18,179.84	13,951.86	21,003.39	36,428.58	15,642.41	15,703.27	15,930.66
31637.79	65983.6407	39526.7739	38451.9426	86183.3227	70955.3942	74309.8122	27040.1477	373219.716	331503.335	260235.351
4.076407	5.364217	5.723634	5.237349	5.348322	4.870663	5.638907	3.250853	9.766147	9.811612	9.146737
1,073.90	2,215.84	1,015.51	1,120.90	2,921.10	2,599.70	2,533.15	924.76	9,297.96	8,349.22	7,619.53
15.772734	17.223525	22.481082	19.394846	17.08364	17.191293	17.492309	17.738599	30.557799	27.528943	22.541491
15.595842	16.684929	22.321031	19.368586	16.409159	16.666804	17.323842	17.715984	30.337127	27.478254	22.374418
-22855.396	-14678.431	-32783.186	-27741.065	-15258.736	-11352.162	-18470.24	-35449.684	-5078.9728	-7354.0454	-8311.1295
-58.30458	-38.22508	-80.350944	-73.779428	-36.679655	-30.191919	-47.974649	-83.607744	-12.956563	-20.892174	-20.420465
-4985976.9	-5179930.3	-5770544.5	-5228211.8	-5459558.4	-5035116.9	-5310008.8	-6186351.5	-6101424.6	-5292465.8	-5913013.6
-74.857191	-74.665124	-63.577776	-65.71291	-76.164958	-77.014963	-69.531637	-61.7992	-65.830408	-66.272088	-72.526011
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42681.3134	52510.5031	57016.6585	50744.2306	53551.1575	51438.9679	55382.523	63704.3548	77069.5273	64180.4045	65617.2475
1350945.23	1625422.91	1727227.19	1547137.97	1646688.83	1585277.18	1677127.97	1926138.01	2319802.67	1915518.05	2054024.25
4871904.37	4983544.28	5545540.23	5026932.42	5256307.42	4842613.29	5101156.12	5956866.84	5774809.26	5020195.64	5647427.5
5167005.5	5158880.61	6019810.41	5421020.6	5404776.99	4975231.12	5340014.74	6514527.8	5682828.7	4949210.45	5642919.17
0.099721			0.000241	0.017263		0.000236	0.013507			
442816.156	535980.848	703735.392	611552.849	536973.009	504367.156	588234.214	757384.016	730497.412	627434.206	630835.637
5.25	3.83	3.85	3.48	4.77	3.36	3.59	4.84	5.14	3.97	3.85
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
5680422.05	6109231.36	6896321.46	6194484.77	6389439.29	5971977.58	6389299.01	7441472.43	8941826.12	7489801.57	7690642.42
2542302.23	3035154.8	3630115.11	3184451.47	3059189.69	2961944.28	3315222.44	4047019.45	5740943.9	4615539.98	4359111.95
484445.68	839912.645	977191.695	865090.363	882830.341	815605.056	886191.774	978624.716	1564887.68	1301503.34	1212094
43755.217	54726.3447	58032.166	51865.1292	56472.2606	54038.6656	57915.6681	64683.2509	87632.9689	72529.6286	73236.7738
51245.7785	36854.0351	34969.9627	33275.5455	40309.4784	33309.3257	32365.3093	43270.2316	35899.5453	33516.6442	36094.5138
2542302.23	3035154.8	3630115.11	3184451.47	3059189.69	2961944.28	3315222.44	4047019.45	5740943.9	4615539.98	4359111.95
20981.9571	37479.2336	45184.7843	39119.8859	40056.8985	35025.0133	38243.6228	42150.1789	79284.2526	64204.4777	53540.9491
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45
24404.601	21477.5547	19121.47	17437.4492	21762.0606	21719.1756	22467.3021	25508.9229	26524.0769	22023.3966	26509.7618
356837.604	325699.01	316849.776	286536.424	313281.223	350165.487	381804.927	453613.061	765799.427	581168.479	567760.785
-518681.54	-485631.68	-421770.8	-390542.19	-493597.29	-457285.31	-440666.49	-478932.82	-245032.57	-227045.69	-440769.67
875519.142	811330.687	738620.58	677078.617	806878.509	807450.799	822471.412	932545.884	1010831.99	808214.174	1008530.45

2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	2020-02
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
-3004910	-3200882.2	-3266206.3	-3200882.2	-3200882.2	-3266206.3	-3070234	-3266206.3	-3331671	-3255956	-3123059.8
-3004910	-3200882.2	-3266206.3	-3200882.2	-3200882.2	-3266206.3	-3070234	-3266206.3	-3331671	-3255956	-3123059.8
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
20.490312	16.220249	16.930291	18.7404	18.350198	16.170409	17.920308	18.850292	19.67038	31.819922	29.019947
0	0	0	0	0	0	0	0	0	0	0
20.364247	16.09421	16.804235	18.6143	18.22418	16.044305	17.794245	18.724236	19.544288	31.698079	28.898094
20.46122	16.191163	16.901201	18.7113	18.321117	16.141308	17.891216	18.821202	19.641282	31.791804	28.991827
19.733926	15.464015	16.173955	17.9838	17.594089	15.413786	17.163931	18.093953	18.913827	31.088861	28.288825
20.015146	15.745179	16.455157	18.2651	17.875206	15.695094	17.445148	18.375156	19.19511	31.360666	28.560652
20.441826	16.171773	16.881808	18.6919	18.30173	16.121908	17.871822	18.801809	19.621883	31.773059	28.97308
20.480615	16.210554	16.920595	18.7307	18.340505	16.160709	17.910611	18.840596	19.660681	31.81055	29.010574

18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	18.695603	19.069515	19.069515
0.99	0.989999	0.99	0.99	0.99	0.99	0.99	0.989999	0.99	1.01	1.01
20.18	15.91	16.62	18.43	18.04	15.86	17.61	18.54	19.36	31.52	28.72
3.587167	3.380853	3.394446	3.421353	3.414619	3.407638	3.453368	4.007485	4.483509	4.795435	4.805875
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
0.030353	0.028877	0.02665	0.026836	0.025561	0.037925	0.032047	0.0295	0.032328	0.030816	0.035106
8028.675	8565.3	8760.15	8583.3	8594.55	8658.675	8188.875	8734.5	8883.225	8548.2	8163
21.817051	21.850255	21.900375	21.896173	21.924872	21.646687	21.778922	21.781795	21.77261	21.806632	21.710106
8280	8820	9000	8820	8820	9000	8460	9000	9180	8820	8460
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5	22.5

	10.4		2.74	3.07	6.23				3.32	5.01

0.035163	0.02903	0.02945	0.029336	0.030331	0.028175	0.025452	0.028975	0.023039	0.022372	0.032712
2955.4938	4310.32278	4244.76654	6315.25112	3927.91138	5594.13248	174.81664	409.7265	43.70416	23299.7803	18628.8982
10888.068	14044.5562	14881.6175	22492.4545	13959.3842	18958.6228	625.61972	1519.25875	200.059491	91472.6783	69813.1162
1.875648	1.283829	1.516209	2.52051	2.013861	1.650764	0.208167	0.713272	0.232379	3.270445	3.028408
98.416007	648.890188	782.526036	2751.49922	1296.89706	1265.80941	113.586287	20.009481	4.040331	4477.18767	2649.9465
20593.48	22075.96	22516.76	22069	22046.38	22546.34	21252.94	22527.78	23118.8	22227.34	21094.6
55.960543	56.316224	56.2919	56.298469	56.240765	56.36585	56.523776	56.179002	56.663725	56.702397	56.102659
21344	22736	23200	22736	22736	23200	21808	23200	23664	22736	21808
58	58	58	58	58	58	58	57.855361	58	58	58
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
21.599414	15.235987	17.815248	29.238418	23.474634	19.28472	2.478163	8.194372	2.644232	37.441636	34.710605
21.599414	15.235987	17.815248	29.238418	23.474634	19.28472	2.478163	8.194372	2.644232	37.441636	34.710605
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
14886.745	20481.2867	22010.3769	33776.4722	20210.6793	28647.3846	873.236162	1965.02084	247.822672	129459.109	104138.238
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.2421	19095.0176
14886.745	20481.2867	22010.3769	33776.4722	20210.6793	28647.3846	873.236162	1965.02084	247.822672	129459.109	104138.238
163.93	127.29	157.34	259.39	216.49	126.5	135.59	133.34	110.01	262.2	242.95
12832.616	14871.7312	14865.8576	15430.5149	11497.4583	18174.7917	273.95227	1763.90019	218.917635	89094.9777	72976.0608
14402.735	17487.3557	18003.0218	18730.6696	13356.8069	21924.4607	289.675909	1864.80019	223.712173	104173.593	89211.2593
28.567441	20.097335	21.556992	27.761637	23.189211	24.096704	1.023997	10.309223	2.471044	42.498417	41.943936
303.33133	388.728377	367.580476	378.357777	279.330536	459.531061	6.500727	41.375625	4.211044	1998.36422	1696.45946
41.434235	39.118346	41.249986	41.475393	41.094586	40.453296	42.655347	45.35589	54.901166	46.748032	44.981279
4.972108	10.094458	13.956041	28.153906	20.532373	15.341612	2.506824	1.360676	1.647034	38.224869	30.996232
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
0.852663	1.167397	1.12665	1.710408	1.063826	1.4848	0.049361	0.108478	0.011372	6.310459	5.260106
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.2421	19095.0176
1628.3406	2970.39726	3725.82419	6224.44931	3086.61976	5162.97833	101.925442	106.976687	5.497781	18874.2421	19095.0176
10.448668	68.891622	83.079523	292.122222	137.689463	134.388938	12.059272	2.124374	0.428955	475.335775	281.340535
425.78895	2639.15829	3418.69516	12121.5081	5626.60116	5309.61459	497.35845	94.143953	23.407255	21489.8896	12067.1594
4.59	5.15	4.69	5.91	4.53	6.08	0.22	0.73	0.08	27.49	19.35
-1628.341	-2970.3973	-3725.8242	-6224.4493	-3086.6198	-5162.9783	-101.92544	-106.97669	-5.497781	-18874.242	-19095.018
-16031.08	-20457.753	-21728.846	-24955.119	-16443.427	-27087.439	-391.60135	-1971.7769	-229.20996	-123047.84	-108306.28
0.02	0.49	0.35	1.34	0.64	0.47	0.06	0.02		2.6	1.19
997.0249	1435.5813	1754.7481	3066.7741	1811.2982	2069.8661	57.5671	165.4412	21.1413	10549.1746	7988.559
0.1	0.17	0.14	0.2	0.17	0.29	0.02	0.04	0.02	0.91	0.6

38.951	66.2167	54.5314	77.902	66.2167	112.9579	7.7902	15.5804	7.7902	361.543	238.38
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
10888.068	14044.5562	14881.6175	22492.4545	13959.3842	18958.6228	625.61972	1519.25875	200.059491	91472.6783	69813.1162
313.78	457.62	450.66	670.48	417.02	593.92	18.56	43.5	4.64	2473.7	1977.8
38.951	66.2167	54.5314	77.902	66.2167	112.9579	7.7902	15.5804	7.7902	361.543	238.38
13258.405	17510.8895	18284.5527	27552.0229	17124.0595	23484.4063	771.31072	1858.04415	242.324891	110584.867	85043.2202
2331.3854	3400.1166	3348.4038	4981.6664	3098.4586	4412.8256	137.9008	323.205	34.4752	18750.646	14991.724

11.169292	11.299768	11.344918	11.260323	11.305482	11.272681		11.279351	11.243621	10.830021	10.890884
0.524176	0.476799	0.458326	0.483267	0.471307	0.495528		0.471913	0.490591	0.752839	0.706949
0.503126	0.459962	0.442023	0.467068	0.454742	0.390784		0.457291	0.473772	0.726412	0.681402
357972.73	527661.8	537035.773	579671.53	555612.088	412328.045		512353.971	597649.503	731677.559	643125.494
2033.5179	3032.62575	2912.47412	2540.85061	2551.84128	2319.2718		2508.57669	2471.94019	3017.98217	2770.14496
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
0.041086	0.03602	0.036375	0.034693	0.036326	0.037525	0.037845	0.03135	0.035122	0.035408	0.036968
228827.01	225405.589	222204.845	228490.342	223299.703	194629.482		228691.616	240911.783	339913.752	307544.971
227823.96	222814.835	220204.247	226636.837	221470.596	192312.776		226946.916	239158.916	342891.431	310078.54
2.476	2.476	2.476	2.476	2.476	2.476		2.476	2.476	2.546699	2.5467
340036.93	334952.706	330196.399	339536.648	331823.359	289219.41		339835.742	357994.91	522345.463	472604.357
39169.68	41944.68	42784.95	42002.4	41931.36	35001.63	104.34	43008.06	43697.37	41971.32	40193.1
106.43935	107.001734	106.962375	107.148979	106.967755	87.504075	0.2775	107.252019	107.101397	107.069693	106.896542
40848	43512	44400	43512	43512	44400	41736	44400	45288	43512	41736
111	111	111	111	111	111	111	110.723192	111	111	111
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
29.479698	29.829301	29.921882	29.680316	29.777695	29.726925		29.676974	29.639809	29.323162	29.435784
29.078488	29.410943	29.519129	29.307112	29.418922	29.344081		29.35428	29.26521	29.042378	29.19745
604984.12	594121.659	585899.539	602143.767	588272.02	512200.907	7058.46	601974.392	635270.085	919502.626	830024.704
484641.26	386150.588	385322.472	447018.062	415702.923	349906.152		432949.591	472259.664	1147396.1	962207.409
-120342.9	-207971.07	-200577.07	-155125.71	-172569.1	-162294.76	-7058.46	-169024.8	-163010.42	227893.477	132182.705
484641.26	386150.588	385322.472	447018.062	415702.923	349906.152		432949.591	472259.664	1147396.1	962207.409
352.88	377.88	385.45	378.4	377.76	315.33	0.94	387.46	393.67	378.12	362.1
239277.12	58725.5889	41429.8556	15563.9575	25976.9223	94015.8425		83463.0417	30186.6719	179706.527	181078.369
256685.64	68339.4297	47098.5313	17923.1514	29133.1251	104036.189		91424.9802	32802.51	252861.56	250357.837

49.970011	27.642598	26.849697	19.797303	26.000297	31.382216		42.424722	24.442689	31.120756	34.299808
8479.5316	2128.75399	1484.84441	559.624279	930.857097	3387.2156		2986.3858	1084.59242	6337.99706	6391.26135
20.66291	15.587904	16.40055	17.619454	17.608273	16.207753		18.566109	19.364581	25.209837	23.608974
18.519326	15.420554	16.118582	17.592279	17.551602	15.163704		18.329433	19.315068	25.136509	23.508963
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
55.847065	51.055816	49.064655	51.844586	50.476408	43.3771		50.632778	52.588696	80.631801	75.635686
-239950.7	-325790.57	-316723.54	-274557.61	-289287.85	-264027.59	-7058.46	-288561.91	-288935.01	50220.5587	-28571.051
-239950.7	-325790.57	-316723.54	-274557.61	-289287.85	-264027.59	-7058.46	-288561.91	-288935.01	50220.5587	-28571.051
12072.188	17885.126	18141.0176	19763.4537	18855.8949	13963.6244		17317.3582	20371.5956	25269.6689	22047.7567
357972.73	527661.8	537035.773	579671.53	555612.088	412328.045		512353.971	597649.503	731677.559	643125.494
133.44	45.06	35.71	21.87	29.71	60.64		64.36	40.81	147.52	133.99
120342.87	207971.071	200577.066	155125.705	172569.097	162294.756	7058.46	169024.801	163010.421	-227893.48	-132182.71
-136342.8	139631.641	153478.535	137202.554	143435.972	58258.5663	7058.46	77599.8211	130207.911	-480755.04	-382540.54
189.81	313.09	328.35	333.66	331.23	230.17		306.33	341.66	178.96	185.75
					0.1825	0.99734				
59930.882	63676.5878	69650.3984	82978.5641	79776.8992	54500.8862		75891.2182	92165.9757	88316.9939	81359.2611
1.03	1.03	0.99	0.92	0.89	0.78	0.94	0.82	0.99	1.06	0.76
7734.27	7734.27	7433.91	6908.28	6683.01	5857.02	7058.46	6157.38	7433.91	8118.54	5820.84
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.54	990778.46
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.54	990778.46
567860.89	557767.541	550400.646	566173.486	553293.955	481532.186		566782.658	597153.826	865236.894	782682.897
20551.72	20013.88	19625.862	20323.078	19786.752	17350.84		20303.744	21456.188	31607.666	28439.018
7734.27	7734.27	7433.91	6908.28	6683.01	5857.02	7058.46	6157.38	7433.91	8118.54	5820.84
724592	711941.161	702046.011	721575.669	704990.775	613933.737	7058.46	721511.5	761194.674	1097175.54	990778.46
29388.96	28619.8484	28064.9827	29062.0015	28295.0554	24811.7012		29034.3539	30682.3488	46147.1924	41520.9663
12.69	0.46	2.65			7.73		0.05			

0.024429	0.027933	0.0425	0.024948	0.032244	0.036425	0.027021	0.025025	0.044828	0.02602	0.029042

1077.03	1143.15	1149	1146.66	1138.08	1156.29	1097.52	1169.97	1169.13	1145.4	1095.24
2.926711	2.916198	2.8725	2.925153	2.903265	2.890725	2.918936	2.91763	2.865514	2.921938	2.912872
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1128
3	3	3	3	3	3	3	2.992518	3	3	3

11.772411		12.036038	11.953258	12.008427	12.084636	12.051604	11.9375	11.824193	11.338286	11.388704
0.594446		0.489909	0.535781	0.52266	0.513061	0.512923	0.535663	0.560204	0.821532	0.783742
0.563168		0.234648	0.516072	0.497427	0.411686	0.491744	0.505179	0.474357	0.786852	0.746554
208089.62		105148.85	226298.826	218936.085	179980.295	205035.458	225321.425	214319.435	292156.196	266857.608
1180.0987		522.94356	989.134164	1004.04241	1051.80471	1156.63113	1101.81189	881.066962	1214.0062	1157.59397
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
0.051277	0.052551	0.048275	0.037729	0.046989	0.0494	0.041941	0.05575	0.044411	0.042984	0.048191
104302.12		48301.5035	103707.087	100350.916	84638.7946	95465.4904	103399.542	98136.7627	148818.352	136001.41
103747.95		47893.791	102938.412	99623.5595	83515.6573	94875.5092	102571.039	97500.8519	150277.663	137246.408
2.1015		2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	2.1015	1.8787	1.8787
115931.81		53687.1212	115270.427	111540.043	94076.0202	106109.893	114928.591	109079.012	129278.503	118144.424
14973.03		8214.72	16220.03	16023.09	13789.24	15489.89	16200.68	14836.72	16131.45	15388.84
40.687581		20.5368	41.377627	40.875229	34.4731	41.196515	40.400698	36.364509	41.151658	40.927765
15824	16856	17200	16856	16856	17200	16168	17200	17544	16856	16168
43	43	43	43	43	43	43	42.892768	43	43	43
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
26.280947		27.808599	26.539942	26.681448	27.539048	26.807671	26.679773	26.721178	22.614648	22.823822
25.663156		26.223883	26.04381	26.158394	26.333848	26.24737	26.010974	25.77209	22.252185	22.347194
232944.6		111239.977	230273.05	223084.111	192014.038	212465.045	231003.248	221822.176	296285.672	271934.211
203846.78		83605.3694	188011.134	173139.547	133801.596	154746.324	181396.115	181790.56	458201.923	385734.511
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203846.78		83605.3694	188011.134	173139.547	133801.596	154746.324	181396.115	181790.56	458201.923	385734.511
348.21		191.04	377.21	372.56	320.68	360.23	376.58	345.04	375.15	357.88
19877.909		185.505151		25.232998	4196.72138	3343.93684	259.050228			
23084.719		193.976195		24.705289	4841.61546	3592.48892	271.607597			
15.52726		2.034166		0.147852	8.463006	8.937666	2.016949			
816.12099		7.595836		0.969562	176.75963	135.557822	10.658607			
22.092595		17.685488	17.522906	16.825241	14.58406	17.651346	16.92217	19.381034	27.157825	26.997979
20.864139		11.829182	13.667867	12.617754	14.566845	17.644868	16.907071	15.117207	8.418926	5.669575
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
24.21625		10.0899	22.191096	21.389387	17.702525	21.145026	21.668528	20.397352	33.834668	32.101835
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8095.459		4028.36416	8698.91	8383.67044	6904.25037	7814.97218	8678.42139	8322.12	13263.19	12070.29
208089.62		105148.85	226298.826	218936.085	179980.295	205035.458	225321.425	214319.435	292156.196	266857.608
3.45		0.09			2.56	10.92	0.19			
29097.815		27634.6081	42261.9157	49944.5642	58212.4415	57718.7217	49607.1325	40031.6159	-161916.25	-113800.3
6013.096		27440.6319	42261.9157	49919.8589	53370.826	54126.2328	49335.5249	40031.6159	-161916.25	-113800.3
19.82		10.44	22.67	21.4	75.55	328.91	24.91	19.31	3.46	2.01
0.002717	1	0.4975		0.002551	0.1575		0.0025	0.115196		
58453.33		34569.2516	82438.395	77772.4144	51601.356	61485.4648	73323.2948	78938.4235	87346.3803	78965.0607
1.34		1.59	1.07	1.11	2.11	1.1	1.46	2.02	1.09	1.34
4977.0655		5905.62252	3974.22396	4122.79308	7837.02108	4085.6508	5422.77288	7502.74056	4129.4759	5076.6034
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.025	343022.148
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.025	343022.148
219679.76		101580.912	218208.839	211163.603	177591.678	200985.402	217499.631	206579.864	279556.165	255390.832
8911.58		4035.96	8698.91	8384.64	7081.01	7950.53	8689.08	8322.12	13263.19	12070.29
4977.0655		5905.62252	3974.22396	4122.79308	7837.02108	4085.6508	5422.77288	7502.74056	4129.4759	5076.6034
287463.32		136487.173	284480.744	275537.535	236254.736	262364.857	285050.189	273118.262	374073.025	343022.148
8287.7694		3753.4428	8089.9863	7797.7152	6585.3393	7393.9929	8080.8444	7739.5716	12600.0305	11466.7755

0.031114	0.025357	0.031425	0.044693	0.018622	0.024775	0.029468	0.031225	0.023848	0.029438	0.030372

1069.65	1146.18	1162.29	1123.44	1154.1	1170.27	1094.76	1162.53	1194.81	1141.38	1093.74
2.906657	2.923928	2.905725	2.865918	2.944132	2.925675	2.911595	2.899077	2.928455	2.911683	2.908882
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1128
3	3	3	3	3	3	3	2.992518	3	3	3

2.247115	2.392721	3.941803	6.485692	2.814952	2.823302	0.143333	9.40993	10.016141
0.001867	0.005399	0.005877	0.009722	0.004602	0.00824	0.00011	0.026985	0.031606
0.001793	0.005285	0.00583	0.009464	0.004566	0.00804	0.000095	0.026244	0.030329
	176.066629	108.199002	1399.60011	575.623089	480.317098	73.234507	1247.38522	1628.2581
	0.959473	0.461959	5.161825	2.120694	2.07379	0.419824	4.830816	6.546129

33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
0.033505	0.028507	0.0279	0.027869	0.025561	0.031912	0.027234	0.0317	0.027487	0.02454	0.033324
465	1468.4	1647.4	2632.7	1268.3	2283.6	25.8			7234	8077
1670.408	4700.44135	5768.69615	9376.44157	4550.79009	7719.54736	98.719424			25007.2399	27529.0144
0.578322	0.543293	0.962711	1.635182	0.71576	0.68503	0.038263			2.35708	2.528219
	54.625404	30.684665	386.31883	161.904376	142.363724	19.139599			347.010647	458.194718
17728.3	19014.7	19534.1	19025.7	19178.8	19332.2	18250.5	19392.7	19787.2	19072.2	18114.1
48.174728	48.506887	48.83525	48.534948	48.92551	48.3305	48.538563	48.360847	48.498039	48.653571	48.175797
18400	19600	20000	19600	19600	20000	18800	20000	20400	19600	18800
50	50	50	50	50	50	50	49.875311	50	50	50
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
9.35279	10.64914	20.152192	36.502122	14.91781	17.038766	1.196763			45.211351	54.253591
8.145695	7.670184	13.593309	23.149691	10.086574	9.722852	0.549619			33.471095	36.032199
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1842.5854	5455.72579	6616.05286	11077.457	5257.7966	9207.6149	122.965512			28443.4958	32735.4275
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.22182	5032.14308
1842.5854	5455.72579	6616.05286	11077.457	5257.7966	9207.6149	122.965512			28443.4958	32735.4275
143.49	203.6	232.57	366.82	269.65	167.38	129.93	84.78	72.49	301.13	315.96
1675.717	4543.15472	5678.54415	8018.87146	3984.822	7284.01626	25.696917			23994.8887	26075.0263
1842.5854	5267.06869	6495.64485	9474.872	4572.9781	8610.99434	29.5004			27043.8212	30819.8522
3.3	3.443281	6.076303	9.142628	4.132188	4.547414	0.07911			14.06492	15.44228
33	99.698185	114.408238	158.022971	77.935401	150.722219	0.432885			489.634629	537.700695
	43.766906	49.900751	51.821096	50.300754	49.07756	53.56868			53.601524	49.171404
	1.750676	2.994045	10.88243	4.527067	2.944653	0.535686			13.27219	11.801137
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
0.089673	0.264285	0.2915	0.473214	0.228316	0.402	0.004787			1.312244	1.516489
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.22182	5032.14308
166.86838	736.504438	829.309708	1658.98547	697.351505	1443.28154	24.034087			3201.22182	5032.14308
	3.901814	2.191761	27.477028	11.564598	10.07778	1.367114			24.76537	32.499304
	176.066629	108.199002	1399.60011	575.623089	480.317098	73.234507			1247.38522	1628.2581
0.6	1.45	1.53	2.38	1.26	2.05	0.02			6.86	7.75
-166.8684	-736.50444	-829.30971	-1658.9855	-697.35151	-1443.2815	-24.034087			-3201.2218	-5032.1431
-2009.454	-6003.5731	-7324.9546	-11133.857	-5270.3296	-10054.276	-53.534487			-30245.043	-35851.995
	0.02		0.2	0.06	0.07				0.2	0.24
164.7957	551.374	750.5176	1478.7668	673.0947	987.1801	10.5061			3386.2279	3907.0508

0.01	0.02	0.03	0.06	0.01	0.06				0.46	0.25
4.249	12.42	12.747	29.416	4.249	33.338				223.37	140.358
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1670.408	4700.44135	5768.69615	9376.44157	4550.79009	7719.54736	98.719424			25007.2399	27529.0144
33	103.6	116.6	185.5	89.5	160.8	1.8			514.4	570.2
4.249	12.42	12.747	29.416	4.249	33.338				223.37	140.358
1675.717	4719.22135	5786.74315	9418.47157	4560.44509	7764.33336	98.931424			25242.2739	27703.2844
1.06	6.36	5.3	12.614	5.406	11.448	0.212			11.664	33.912

0.019836	0.028622	0.034775	0.037806	0.04028	0.02335	0.022367	0.025575	0.038431	0.035714	0.031888

1442.8	1523.12	1544.36	1508.72	1504.84	1562.64	1470.36	1559.08	1569.28	1512	1456.04
3.920652	3.88551	3.8609	3.848775	3.838877	3.9066	3.910531	3.88798	3.846274	3.857142	3.872446
1472	1568	1600	1568	1568	1600	1504	1600	1632	1568	1504
4	4	4	4	4	4	4	3.990024	4	4	4

10.443003	10.707151	10.718721	10.576693	10.621568	10.712244	10.626104	10.545144	10.484965	10.246081	10.294387
0.480022	0.368172	0.345953	0.386435	0.37145	0.38766	0.369027	0.406652	0.43021	0.686133	0.651012
0.45152	0.262387	0.327036	0.367006	0.349121	0.365131	0.344655	0.386637	0.408253	0.651716	0.613724
234596.43	147405.91	189629.528	206845.79	197261.246	208339.192	186962.511	221364.56	237620.008	371132.188	335972.109
1335.4005	844.770984	998.216332	886.194068	891.014843	1188.1904	1052.13138	1075.567	974.930246	1539.75235	1458.84807
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
0.056983	0.065561	0.056625	0.0525	0.064438	0.05915	0.068377	0.05095	0.053357	0.05176	0.058484
100772.24	63508.0276	81482.7721	88770.4374	84593.9357	89964.7604	80141.1858	95068.8098	101871.22	151439.05	137268.958
100329.42	62632.2323	80905.1792	88342.9169	84340.4157	88400.3016	80009.7783	94437.7615	101587.972	152779.637	138153.508
2.2803	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.280299	2.4044	2.4044
130026.42	81944.4081	105137.221	114540.495	109151.555	116081.53	103406.172	122667.285	131444.436	211166.611	191407.836
20282.632	16318.928	22112.71	21765.212	21490.964	22053.524	20526.994	22245.732	22633.078	21782.206	20744.986

55.115847	41.629918	55.281774	55.523499	54.823887	55.133809	54.593069	55.47564	55.47323	55.566852	55.172835
21564.8	22971.2	23440	22971.2	22971.2	23440	22033.6	23440	23908.8	22971.2	22033.6
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.599999
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
27.129623	31.584418	29.022559	27.994972	28.473929	28.826117	28.641863	27.15996	27.437921	27.147242	27.398351
24.279768	24.890404	24.909327	24.584436	24.683997	24.902088	24.693213	24.511561	24.374539	25.116797	25.233339
258183.55	179590.703	216266.396	231950.502	223208.398	233609.128	212595.307	242594.048	263061.696	395020.422	357534.399
246677.07	134717.89	170373.728	206587.212	188335.275	194698.391	165174.764	210761.05	232214.808	557477.392	470104.475
-11506.48	-44872.813	-45892.668	-25363.29	-34873.123	-38910.738	-47420.544	-31832.998	-30846.888	162456.969	112570.076
246677.07	134717.89	170373.728	206587.212	188335.275	194698.391	165174.764	210761.05	232214.808	557477.392	470104.475
345.89	278.48	377.35	371.42	366.74	376.34	350.29	379.62	386.23	371.71	354.01
335.77163	3.585318	15.764095			165.224298	22.620042				80.065336
359.64501	5.527792	16.851806			183.669729	20.926939				128.053123
4.079802	0.022658	0.197144			2.277567	0.908874				0.464843
13.955045	0.159622	0.667321			6.996323	0.908874				3.237595
22.940578	16.654864	16.301843	22.412482	20.513342	19.346346	19.655098	20.535127	20.092496	29.279251	26.514151
18.216557	12.15805	11.73177	12.10274	8.41047	14.647214	19.452627	10.883617	10.448098	22.837816	21.741017
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564
26.459114	15.375892	19.16432	21.506607	20.458505	21.396725	20.196813	22.600483	23.923656	38.190586	35.964265
-64180.13	-78068.459	-88483.713	-71763.597	-79090.373	-85935.318	-89310.342	-81525.465	-84094.975	83299.7781	40819.591
-64180.13	-78068.459	-88483.713	-71763.597	-79090.373	-85935.318	-89310.342	-81525.465	-84094.975	83299.7781	40819.591
9722.999	6027.19038	7665.06068	8430.59	8019.734	8551.69368	7593.09313	9062.794	9760.852	14970.71	13519.3264
234596.43	147405.91	189629.528	206845.79	197261.246	208339.192	186962.511	221364.56	237620.008	371132.188	335972.109
0.07					0.13	0.08				0.03
11506.482	44872.8127	45892.6681	25363.2898	34873.123	38910.7375	47420.5437	31832.998	30846.8882	-162456.97	-112570.08
11146.837	44867.2849	45875.8163	25363.2898	34873.123	38727.0678	47399.6168	31832.998	30846.8882	-162456.97	-112698.13
2.68	14.25	12.13	1.81	1.74	10.54	31.25	2.52	5.23	19.08	19.64
0.002717	0.242346									
54848.843	42397.4561	63867.5587	76437.7832	71152.4269	58954.4475	55597.1498	70422.2474	83621.6314	80855.595	74131.7187
1.38	1.91	1.58	1.49	1.54	1.49	1.52	1.26	1.51	1.39	1.25
23251.344	32181.208	26621.104	25104.712	25947.152	25104.712	25610.176	21229.488	25441.688	23888.2342	21482.225
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.614	429284.884
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.614	429284.884
230355.84	144576.64	186042.4	202883.412	193491.971	204481.832	183415.95	217105.047	233032.408	363946.247	329561.343
9736.954	6027.35	7665.728	8430.59	8019.734	8558.69	7594.002	9062.794	9760.852	14970.71	13522.564

23251.344	32181.208	26621.104	25104.712	25947.152	25104.712	25610.176	21229.488	25441.688	23888.2342	21482.225
310857.2	212786.349	258857.441	278350.809	267425.648	280633.708	254485.105	292286.515	316309.783	474177.614	429284.884
4576.3684	2832.8545	3602.89216	3962.3773	3769.27498	4022.5843	3569.18094	4259.51318	4587.60044	7185.9408	6490.83072
1.05	1.95	3.45	5.1	2.25	2.55	0.15			7.35	9
0.000851	0.00408	0.004339	0.007878	0.003412	0.007061	0.000053			0.017726	0.025066
0.000815	0.004005	0.00425	0.00778	0.003265	0.006825	0.000053			0.017372	0.024175
			213.193349	29.282324	89.938133				110.892699	234.998355
			0.788106	0.109377	0.378318				0.424299	0.922877
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
0.034157	0.034489	0.02685	0.024464	0.035918	0.03565	0.029122	0.0207	0.019803	0.020637	0.033457
63	329.7	357	640.5	268.8	573.3	4.2			1430.1	1908.9
226.64449	1054.56679	1250.00964	2282.05554	969.602674	1933.16738	16.070604			4850.06515	6380.82296
0.260422	0.421519	0.795754	1.213646	0.530934	0.583582	0.038263			1.670533	2.089654
			58.07422	8.392691	27.345681				30.694244	63.910613
4976.02	5298.72	5449.64	5353.74	5290.88	5400.36	5110.7	5484.08	5598.88	5374.74	5087.88
13.521793	13.517142	13.6241	13.6575	13.497142	13.5009	13.592287	13.676009	13.722745	13.711071	13.531595
5152	5488	5600	5488	5488	5600	5264	5600	5712	5488	5264
14	14	14	14	14	14	14	13.965087	14	14	14
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26
3.906331	6.322795	12.019648	18.422883	8.339012	9.292031	0.94895			27.509842	32.258425
3.906331	6.322795	12.019648	18.422883	8.339012	9.292031	0.94895			27.509842	32.258425
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604			5133.56515	6538.32296
254.68754	1217.49223	1412.97495	2657.09029	1115.73012	2263.70979	18.542416			5489.04913	7556.35537
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187			355.483975	1018.03241
254.68754	1217.49223	1412.97495	2657.09029	1115.73012	2263.70979	18.542416			5489.04913	7556.35537
87.1	140.07	154.09	178	121.11	79.67	70.91	64.37	61.75	156.06	171.06
226.64449	1054.56679	1260.50964	2089.86219	950.820349	1885.22925	26.570604			5022.67245	6303.3246
254.68754	1217.49223	1412.97495	2419.06405	1084.58015	2154.99488	18.542416			5370.84816	7280.08655
0.98	1.82	3.22	4.739189	2.092672	2.353559	0.14			6.658548	8.341065
4.2	21.98	23.8	38.828385	17.360487	36.396954	0.28			93.293717	122.999292
			57.554033	52.942313	52.425459				59.717262	51.138258
			5.755403	1.588269	1.572763				2.747995	5.625208
4.2	21.98	23.8	42.7	17.92	38.22	0.28			95.34	127.26

0.011413	0.056071	0.0595	0.108928	0.045714	0.09555	0.000744				0.243214	0.338457
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187				355.483975	1018.03241
28.04305	162.925442	152.465309	354.034747	135.627443	288.542401	-8.028187				355.483975	1018.03241
			3.871614	0.559512	1.823045					2.046282	4.260707
			213.193349	29.282324	89.938133					110.892699	234.998355
0.2	0.97	1.26	1.68	0.76	1.63	0.02				5.65	5.86
-28.04305	-162.92544	-152.46531	-354.03475	-135.62744	-288.5424	8.028187				-355.48398	-1018.0324
-282.7306	-1380.4177	-1565.4403	-2773.0988	-1220.2076	-2443.5373	-10.514229				-5726.3321	-8298.119
			0.19	0.03	0.05					0.07	0.09
55.0873	284.5324	387.934	819.0162	327.6034	557.0257	3.4714				1689.8144	2136.4033
		0.01	0.02	0.01	0.04	0.01				0.27	0.15
		10.5	21	10.5	42	10.5				283.5	157.5
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604				5133.56515	6538.32296
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604				5133.56515	6538.32296
226.64449	1054.56679	1250.00964	2282.05554	969.602674	1933.16738	16.070604				4850.06515	6380.82296
4.2	21.98	23.8	42.7	17.92	38.22	0.28				95.34	127.26
		10.5	21	10.5	42	10.5				283.5	157.5
226.64449	1054.56679	1260.50964	2303.05554	980.102674	1975.16738	26.570604				5133.56515	6538.32296

11.118066	11.149406	11.269129	11.257356	11.307087	11.29535	11.363908	11.252645	11.178867	10.789688	10.857888
0.305805	0.227534	0.239449	0.276198	0.265227	0.258721	0.168071	0.26915	0.277384	0.452891	0.428261
0.29277	0.185016	0.217369	0.266507	0.25514	0.23007	0.112766	0.25946	0.264018	0.437273	0.410833
801084.58	677882.935	835341.045	1026550.45	978040.925	806527.402	392568.562	959134.099	1049612.35	1417814.11	1259885.63
4551.3011	3892.87714	4448.63346	4466.53503	4470.63413	4587.443	2211.93476	4686.34775	4328.0199	5862.0071	5444.24507
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
0.035583	0.035041	0.035338	0.033522	0.034712	0.036018	0.033464	0.03295	0.033649	0.031294	0.036624
437384.86	295022.04	358238.287	430556.318	413709.566	377684.069	175811.493	427569.695	440963.471	672135.034	609430.137
444686.46	305246.632	370903.54	452069.118	424914.348	392840.072	175625.697	425474.976	438447.799	767278.714	689201.41
2.34994	2.448097	2.396608	2.366798	2.357174	2.36271	2.183486	2.343369	2.347892	2.41734	2.409137
585995.16	416897.114	489020.741	569347.571	552514.957	499376.961	209516.065	577431.619	598518.357	862790.576	782156.617
98.416007	703.515593	813.210702	3195.89227	1467.19413	1435.51882	132.725887	20.009481	4.040331	4854.89256	3172.05184
129341.3	117030.738	133228.68	138798.202	138353.044	130671.169	92586.879	141485.112	142488.493	138906.236	132431.526
351.47092	298.547801	333.0717	354.077045	352.941438	326.677922	246.241699	352.830703	349.236502	354.352642	352.211505
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	138029.6

367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
117.74881	93.621643	136.74013	168.378656	131.664531	131.70761	60.073412	91.711081	86.443141	189.247883	200.88058
27.245567	28.597312	28.211317	27.832149	27.809536	27.861774	25.517922	27.46262	27.333647	27.403113	27.448973
1111273	796997.04	938737.718	1103640.87	1057229.14	971047.98	433015.625	1077429.73	1120396.28	1751769.43	1578778.14
952149.12	548022.983	669340.975	889127.427	803761.951	718524.848	320935.831	827071.777	886512.854	2326467.07	1962476.42
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952149.12	548022.983	669340.975	889127.427	803761.951	718524.848	320935.831	827071.777	886512.854	2326467.07	1962476.42
1441.5	1137.72	1497.84	1933.98	1727.38	1392.13	1047.89	1426.15	1369.19	1847.69	1808.97
274225.78	79198.6269	63436.0362	41103.206	42435.256	125721.825	3692.77667	85485.9922	30405.5895	297819.066	286512.846
296630.02	92316.874	73221.0009	48547.757	48172.1955	141751.924	3951.13458	93561.388	33026.2221	389449.823	377797.088
15.103502	9.411525	9.430086	10.083341	8.527772	11.095411	1.861459	13.687723	6.728433	15.486794	16.56203
9650.139	2639.32018	1998.89629	1134.83341	1306.45309	4217.62179	143.68031	3038.42003	1088.80347	8919.28963	8751.6584
22.0531	17.831443	19.465261	25.381437	22.117564	18.038266	19.157616	18.329133	19.935305	32.926483	30.031632
21.073687	17.719725	19.31287	25.356874	22.086862	17.656521	19.134222	18.227165	19.909998	32.786576	29.980336
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
107.47618	67.919464	79.796525	97.834841	93.662158	84.4587	41.396734	95.010269	96.921078	160.522974	150.81684
-385924.2	-399989.2	-453381.46	-434553.35	-466856.61	-445521.24	-203869.4	-473634.47	-464352.19	240080.183	80106.096
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29901.095	23985.1098	29919.7137	37216.4246	35409.1129	29565.8582	15421.4917	35060.698	38454.9965	54005.7164	47955.4736
801084.58	677882.935	835341.045	1026550.45	978040.925	806527.402	392568.562	959134.099	1049612.35	1417814.11	1259885.63
142.35	52.63	43.28	31.84	36.26	73.09	11.26	65.28	40.89	187.52	166.98
159123.91	248974.057	269396.743	214513.441	253467.186	252523.132	112079.794	250357.955	233883.428	-574697.65	-383698.27
-137506.1	156657.183	196175.742	165965.684	205294.99	110771.208	108128.659	156796.567	200857.205	-964147.47	-761495.36
212.33	327.85	351.27	359.87	355.1	316.85	360.22	333.78	366.2	204.37	208.92
0.000494	0.11294	0.045227		0.000231	0.030909	0.090667	0.000227	0.010472		
174449.96	108345.532	170980.408	247219.299	231513.737	168670.762	117154.159	219802.202	254747.172	272144.186	248488.054
3.86	3.13	4.34	3.76	3.73	4.77	3.59	3.58	4.54	5.18	4.35
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
1338073.3	948012.187	1122722.43	1323680.77	1270618.57	1164046.09	524805.235	1300706.25	1350865.04	2086386.89	1882370.32
1338073.3	948012.187	1122722.43	1323680.77	1270618.57	1164046.09	524805.235	1300706.25	1350865.04	2086386.89	1882370.32
1030681.6	722143.746	859924.281	1021416.69	977429.305	892217.033	385141.762	1002906.59	1036966.16	1630069.29	1471358.03
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
1338073.3	948012.187	1122722.43	1323680.77	1270618.57	1164046.09	524805.235	1300706.25	1350865.04	2086386.89	1882370.32

44585.543	34859.1795	38775.0214	46108.6455	42965.9101	39843.8984	11101.2866	41697.9165	43043.9961	84695.4737	74504.2085
12.69	0.46	2.65			7.73		0.05			
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
723.56614	1500.26893	1729.76799	2339.723	2307.74329	1313.78727	2724.54487	1803.84918	2529.84838	1178.93751	1192.23645
-64667.47	-68238.156	-74464.451	-88768.168	-85041.515	-69903.316	-66689.204	-81597.947	-98298.264	-94502.396	-86889.195
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
210.05	338.23	352.87	359.36	355.05	317.44	364.17	333.93	366.16	202.66	207.74
106.56647	132.217236	157.863458	190.312688	181.603919	148.202345	146.905662	147.35923	181.334999	161.681485	157.270422
37.938915	58.320838	61.801149	91.575075	88.088137	59.084387	80.834656	68.474261	95.722728	67.215323	71.885991
8218.0826	19895.1849	22093.7001	33127.5789	31522.674	19251.4102	29550.2657	23087.9182	35360.1953	15336.5923	16250.0111
-64667.47	-68238.156	-74464.451	-88768.168	-85041.515	-69903.316	-66689.204	-81597.947	-98298.264	-94502.396	-86889.195
-175.7268	-174.07693	-186.16113	-226.44941	-216.94264	-174.75829	-177.3649	-203.48615	-240.92712	-241.07754	-231.08828
-1329034	-1110305.5	-1307077.8	-1719021.7	-1595825.2	-1152848.9	-1198394.2	-1549517	-1949118.1	-3022614.7	-2525930.6
-20.55964	-16.271321	-17.539286	-19.345701	-18.74947	-16.478289	-17.972672	-18.996087	-19.834576	-31.978665	-29.053151
-1329034	-1110305.5	-1307077.8	-1719021.7	-1595825.2	-1152848.9	-1198394.2	-1549517	-1949118.1	-3022614.7	-2525930.6
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1458441	1373337.86	1639506.24	2254696.06	2101690.08	1387219.09	1687207.81	1919809.92	2560837.92	3308722.28	2803797.19
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
723.56614	1500.26893	1729.76799	2339.723	2307.74329	1313.78727	2724.54487	1803.84918	2529.84838	1178.93751	1192.23645
-64667.47	-68238.156	-74464.451	-88768.168	-85041.515	-69903.316	-66689.204	-81597.947	-98298.264	-94502.396	-86889.195
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594
210.05	338.23	352.87	359.36	355.05	317.44	364.17	333.93	366.16	202.66	207.74
106.56647	132.217236	157.863458	190.312688	181.603919	148.202345	146.905662	147.35923	181.334999	161.681485	157.270422
37.938915	58.320838	61.801149	91.575075	88.088137	59.084387	80.834656	68.474261	95.722728	67.215323	71.885991

8218.0826	19895.1849	22093.7001	33127.5789	31522.674	19251.4102	29550.2657	23087.9182	35360.1953	15336.5923	16250.0111
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-175.7268	-174.07693	-186.16113	-226.44941	-216.94264	-174.75829	-177.3649	-203.48615	-240.92712	-241.07754	-231.08828
-1329034	-1110305.5	-1307077.8	-1719021.7	-1595825.2	-1152848.9	-1198394.2	-1549517	-1949118.1	-3022614.7	-2525930.6
-20.55964	-16.271321	-17.539286	-19.345701	-18.74947	-16.478289	-17.972672	-18.996087	-19.834576	-31.978665	-29.053151
-1329034	-1110305.5	-1307077.8	-1719021.7	-1595825.2	-1152848.9	-1198394.2	-1549517	-1949118.1	-3022614.7	-2525930.6
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1458441	1373337.86	1639506.24	2254696.06	2101690.08	1387219.09	1687207.81	1919809.92	2560837.92	3308722.28	2803797.19
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59

252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238292.214	254025.988	241739.756
1445.4425	1415.45543	1124.93384	711.238407	725.51412	1168.36732	1192.21455	1134.93433	995.3398	1059.06352	1051.03132
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354
172423.19	132502.534	114865.661	98021.7132	94695.34	107654.791	125520.546	144719.418	156826.747	270458.712	222029.664
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354
23.072416	21.043422	17.141521	13.587322	13.320759	16.833867	18.766497	19.288503	19.686013	21.859856	20.449264
-80088.72	-112823.36	-89049.882	-60380.383	-60599.134	-92600.899	-84330.937	-85310.264	-82075.757	1854.69349	-19710.092
-80088.72	-112823.36	-89049.882	-60380.383	-60599.134	-92600.899	-84330.937	-85310.264	-82075.757	1854.69349	-19710.092
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8011.8975	8094.15779	7688.92354
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238292.214	254025.988	241739.756
80088.721	112823.365	89049.8822	60380.3827	60599.1344	92600.8994	84330.9367	85310.2641	82075.7566	-1854.6935	19710.0917
80088.721	112823.365	89049.8822	60380.3827	60599.1344	92600.8994	84330.9367	85310.2641	82075.7566	-1854.6935	19710.0917
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354

252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
8490.6493	8249.02148	6856.6087	5326.23053	5221.73754	6733.54709	7056.20318	7734.69004	8031.89344	8569.06357	7688.92354
172423.19	132502.534	114865.661	98021.7132	94695.34	107654.791	125520.546	144719.418	156826.747	270458.712	222029.664
-80088.72	-112823.36	-89049.882	-60380.383	-60599.134	-92600.899	-84330.937	-85310.264	-82075.757	1854.69349	-19710.092
252511.91	245325.899	203915.543	158402.096	155294.474	200255.69	209851.483	230029.682	238902.504	268604.019	241739.756
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	243848.499	256398.793	243868.25
1477.1662	1447.74046	1152.81841	726.687301	741.542334	1196.20801	1221.21305	1161.30528	1018.62318	1068.96	1060.26998
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
193573.86	148850.537	129194.448	110064.829	106317.547	121020.838	141169.381	162620.003	176231.517	303906.449	249456.836
20.371075	15.754044	15.675736	15.692825	16.355835	17.679075	16.164475	18.732527	18.955501	49.710432	36.236188
2.85195	10.082588	3.291904	0.470784	1.308466	3.889396	4.849342	1.685927	1.705995	1.491312	0.724723
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
25.897039	23.638027	19.28897	15.247445	14.952771	18.926948	21.108544	21.67493	22.124752	24.564206	22.975053
-64501.53	-102075.63	-79743.676	-51792.291	-52411.503	-83995.863	-73759.504	-72749.801	-68242.799	32688.7186	5588.58617
-64501.53	-102075.63	-79743.676	-51792.291	-52411.503	-83995.863	-73759.504	-72749.801	-68242.799	32688.7186	5588.58617
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9004.38429	9095.51109	8638.62027
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	243848.499	256398.793	243868.25
64501.53	102075.631	79743.6758	51792.291	52411.5031	83995.8634	73759.5039	72749.8015	68242.7994	-32688.719	-5588.5862
64501.53	102075.631	79743.6758	51792.291	52411.5031	83995.8634	73759.5039	72749.8015	68242.7994	-32688.719	-5588.5862
0.63	11.06	2.8	0.29	0.64	2.33	4.52	0.89	0.91	0.11	0.1
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
9530.1104	9266.10661	7715.58805	5976.99852	5861.48635	7570.77922	7936.81261	8691.64714	9026.89898	9629.16887	8638.62027
193573.86	148850.537	129194.448	110064.829	106317.547	121020.838	141169.381	162620.003	176231.517	303906.449	249456.836
-64501.53	-102075.63	-79743.676	-51792.291	-52411.503	-83995.863	-73759.504	-72749.801	-68242.799	32688.7186	5588.58617
258075.39	250926.167	208938.124	161857.12	158729.05	205016.701	214928.885	235369.805	244474.316	271217.731	243868.25
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
1198.3406	952.035469	1147.43278	923.737605	922.770617	932.0256	725.064355	746.296585	770.968318	768.479912	781.75806

4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
80704.163	50748.5732	67644.8941	72940.2841	70105.2469	48810.9052	43444.0947	54682.7525	69996.755	112851.221	100383.502
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
11.064199	8.214026	10.178011	10.262936	9.866053	7.785064	6.596856	7.358799	8.845185	9.203149	9.328717
-127885.2	-114206.81	-140922.92	-133161.65	-128026.43	-110720.63	-83627.726	-96490.758	-114883.89	-71967.908	-79310.724
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4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
127885.21	114206.811	140922.919	133161.653	128026.426	110720.627	83627.726	96490.7576	114883.89	71967.9081	79310.7239
127885.21	114206.811	140922.919	133161.653	128026.426	110720.627	83627.726	96490.7576	114883.89	71967.9081	79310.7239
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	75865.1219	98298.264	94502.3961	86889.1949
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
4071.6255	3219.89819	4071.20463	4023.07118	3867.49312	3114.02561	2480.41813	2950.87859	3608.83556	3607.63477	3507.59761
80704.163	50748.5732	67644.8941	72940.2841	70105.2469	48810.9052	43444.0947	54682.7525	69996.755	112851.221	100383.502
-127885.2	-114206.81	-140922.92	-133161.65	-128026.43	-110720.63	-83627.726	-96490.758	-114883.89	-71967.908	-79310.724
208589.38	164955.384	208567.813	206101.937	198131.673	159531.532	127071.821	151173.51	184880.646	184819.129	179694.226
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	256330.89	296861.234	193987.536
1701.9392	1392.82571	1407.28202	931.013216	983.527836	1429.09052	1611.58439	1339.09826	1079.95773	1247.26397	847.844411
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.22796	2848.56881
88657.922	56897.8877	61431.9378	53550.9602	55299.4214	57048.482	74300.5361	75122.9917	73656.3429	141112.24	81341.4371
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.22796	2848.56881
12.108447	9.241925	9.519088	7.902715	8.058702	9.169237	11.287267	10.1549	9.484655	11.783744	7.57598
-207392.6	-183803.25	-191547.35	-152271.16	-154585.3	-186633.18	-207671.65	-195428.33	-183468.71	-173031.49	-112646.1
-207392.6	-183803.25	-191547.35	-152271.16	-154585.3	-186633.18	-207671.65	-195428.33	-183468.71	-173031.49	-112646.1
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3857.95483	4362.78379	2848.56881
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	256330.89	296861.234	193987.536
207392.65	183803.247	191547.348	152271.157	154585.303	186633.183	207671.649	195428.329	183468.713	173031.487	112646.099

207392.65	183803.247	191547.348	152271.157	154585.303	186633.183	207671.649	195428.329	183468.713	173031.487	112646.099
64667.472	68238.1557	74320.1588	87751.9685	85041.5154	69655.3663	66689.2037	81597.9469	97649.2643	93865.8922	85366.5491
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.22796	2848.56881
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
4455.9086	3622.83465	3807.63525	3097.8645	3159.0115	3667.69514	4244.01242	4072.11501	3869.73951	4619.22796	2848.56881
88657.922	56897.8877	61431.9378	53550.9602	55299.4214	57048.482	74300.5361	75122.9917	73656.3429	141112.24	81341.4371
-207392.6	-183803.25	-191547.35	-152271.16	-154585.3	-186633.18	-207671.65	-195428.33	-183468.71	-173031.49	-112646.1
296050.57	240701.134	252979.286	205822.117	209884.724	243681.665	281972.185	270551.321	257125.055	314143.727	193987.536
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	923352.249	992105.144	859289.768
5822.8886	5208.05707	4832.46705	3292.67653	3373.35491	4725.69146	4750.07634	4381.63447	3864.88903	4143.7674	3740.90378
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
535359.14	388999.531	373136.941	334577.786	326417.556	334535.016	384434.558	437145.165	476711.362	828328.623	653211.439
20.371075	15.754044	15.675736	15.692825	16.355835	17.679075	16.164475	18.732527	18.955501	49.710432	36.236188
2.85195	10.082588	3.291904	0.470784	1.308466	3.889396	4.849342	1.685927	1.705995	1.491312	0.724723
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
72.142102	62.1374	56.127591	47.00042	46.198287	52.715117	57.759165	58.477134	60.140606	67.410957	60.329016
-479868.1	-512909.05	-501263.83	-397605.48	-395622.37	-473950.57	-449389.82	-449979.15	-448671.16	-210455.98	-206078.33
-479868.1	-512909.05	-501263.83	-397605.48	-395622.37	-473950.57	-449389.82	-449979.15	-448671.16	-210455.98	-206078.33
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24483.0722	25160.0874	22683.7102
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	923352.249	992105.144	859289.768
479868.11	512909.053	501263.826	397605.483	395622.366	473950.573	449389.816	449979.153	448671.159	210455.983	206078.328
479868.11	512909.053	501263.826	397605.483	395622.366	473950.573	449389.816	449979.153	448671.159	210455.983	206078.328
0.63	11.06	2.8	0.29	0.64	2.33	4.52	0.89	0.91	0.11	0.1
258669.89	272952.623	297713.51	354056.473	340166.062	279365.313	266756.815	320658.963	392544.056	377373.081	346034.134
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
535359.14	388999.531	373136.941	334577.786	326417.556	334535.016	384434.558	437145.165	476711.362	828328.623	653211.439

-479868.1	-512909.05	-501263.83	-397605.48	-395622.37	-473950.57	-449389.82	-449979.15	-448671.16	-210455.98	-206078.33
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
11.118066	11.149406	11.269129	11.257356	11.307087	11.29535	11.363908	11.252645	11.178867	10.789688	10.857888
0.305805	0.227534	0.239449	0.276198	0.265227	0.258721	0.168071	0.26915	0.277384	0.452891	0.428261
0.29277	0.185016	0.217369	0.266507	0.25514	0.23007	0.112766	0.25946	0.264018	0.437273	0.410833
1329034.5	1110305.52	1307077.8	1719021.69	1595825.22	1152848.93	1198394.21	1549517.01	1949118.11	3022614.68	2525930.59
1945718.3	1842823.86	2042170.26	2294408.09	2205945.71	1849383.15	1715206.54	2216551.33	2584684.41	2696026.85	2397041.99
11097.756	10601.2031	11010.8685	10098.9346	10151.7323	10626.9217	9686.55598	10871.8314	10722.7573	11184.712	10377.3853
1432.0564	-17255.865	-20094.804	-31992.745	-30216.221	-15033.788	-29406.585	-20049.498	-34217.097	-5152.2949	-7498.3527
3004909.8	3200882.22	3266206.35	3200882.22	3200882.22	3266206.35	3070233.97	3266206.35	3331670.97	3255955.95	3123059.79
0.035583	0.035041	0.035338	0.033522	0.034712	0.036018	0.033464	0.03295	0.033649	0.031294	0.036624
437384.86	295022.04	358238.287	430556.318	413709.566	377684.069	175811.493	427569.695	440963.471	672135.034	609430.137
444686.46	305246.632	370903.54	452069.118	424914.348	392840.072	175625.697	425474.976	438447.799	767278.714	689201.41
2.34994	2.448097	2.396608	2.366798	2.357174	2.36271	2.183486	2.343369	2.347892	2.41734	2.409137
585995.16	416897.114	489020.741	569347.571	552514.957	499376.961	209516.065	577431.619	598518.357	862790.576	782156.617
98.416007	703.515593	813.210702	3195.89227	1467.19413	1435.51882	132.725887	20.009481	4.040331	4854.89256	3172.05184
129341.3	117030.738	133228.68	138798.202	138353.044	130671.169	92586.879	141485.112	142488.493	138906.236	132431.526
351.47092	298.547801	333.0717	354.077045	352.941438	326.677922	246.241699	352.830703	349.236502	354.352642	352.211505
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	138029.6
367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
39551.234	26624.43	31918.61	38351.258	36715.566	33783.48	15565.172	38099.118	39543.8	62925.006	56707.132
117.74881	93.621643	136.74013	168.378656	131.664531	131.70761	60.073412	91.711081	86.443141	189.247883	200.88058
27.245567	28.597312	28.211317	27.832149	27.809536	27.861774	25.517922	27.46262	27.333647	27.403113	27.448973
1111273	796997.04	938737.718	1103640.87	1057229.14	971047.98	433015.625	1077429.73	1120396.28	1751769.43	1578778.14
952149.12	548022.983	669340.975	889127.427	803761.951	718524.848	320935.831	827071.777	886512.854	2326467.07	1962476.42
64667.472	68238.1557	74464.4505	88768.1682	85041.5154	69903.3155	66689.2037	81597.9469	98298.264	94502.3961	86889.1949
-159123.9	-248974.06	-269396.74	-214513.44	-253467.19	-252523.13	-112079.79	-250357.96	-233883.43	574697.645	383698.274
1487508.3	937022.514	1042477.92	1223705.21	1130179.51	1053059.86	705370.39	1264216.94	1363224.22	3154795.69	2615687.85
1441.5	1137.72	1497.84	1933.98	1727.38	1392.13	1047.89	1426.15	1369.19	1847.69	1808.97
274225.78	79198.6269	63436.0362	41103.206	42435.256	125721.825	3692.77667	85485.9922	30405.5895	297819.066	286512.846
15.453338	12.589467	13.063941	14.272871	14.01227	12.558397	13.728854	14.395028	14.98138	23.144824	21.279032
129406.5	263032.341	332428.445	535674.372	505864.858	234370.159	488813.606	370292.913	611719.81	286107.597	277866.594

210.05	338.23	352.87	359.36	355.05	317.44	364.17	333.93	366.16	202.66	207.74
106.56647	132.217236	157.863458	190.312688	181.603919	148.202345	146.905662	147.35923	181.334999	161.681485	157.270422
3.161576	5.301894	5.150095	7.631256	7.340678	4.923698	7.348605	7.608251	10.635858	5.601276	5.990499
8,218.08	19,895.18	22,093.70	33,127.58	31,522.67	19,251.41	29,550.27	23,087.92	35,360.20	15,336.59	16,250.01
296630.02	92316.874	73221.0009	48547.757	48172.1955	141751.924	3951.13458	93561.388	33026.2221	389449.823	377797.088
8.810376	5.133559	5.500884	5.881948	4.974534	6.472323	1.015341	6.083432	2.990414	9.033963	9.661184
9,650.14	2,639.32	1,998.90	1,134.83	1,306.45	4,217.62	143.68	3,038.42	1,088.80	8,919.29	8,751.66
21.99485	17.429717	19.250575	25.340474	22.069361	17.982184	18.871499	18.350603	19.921019	32.994849	30.070421
21.049141	17.342017	19.109659	25.315956	22.039524	17.620661	18.853094	18.250225	19.896234	32.855192	30.019424
1432.0564	-17255.865	-20094.804	-31992.745	-30216.221	-15033.788	-29406.585	-20049.498	-34217.097	-5152.2949	-7498.3527
3.891457	-44.020063	-50.237009	-81.614146	-77.082196	-37.584471	-78.209003	-49.998748	-83.865432	-13.143609	-19.942427
-5199737	-5224086	-5527929.4	-5752062.7	-5659186.4	-5338527.1	-4921887.4	-5739337	-6193812.4	-6248946.4	-5774962.6
-80.42918	-76.563421	-74.275817	-64.835034	-66.573131	-76.411974	-73.820883	-70.35345	-63.036538	-66.144927	-66.483113
-5199737	-5224086	-5527929.4	-5752062.7	-5659186.4	-5338527.1	-4921887.4	-5739337	-6193812.4	-6248946.4	-5774962.6
56449.389	48342.9708	52370.7504	55640.5893	53518.8414	50651.9053	37138.938	58510.0287	62938.0687	79165.8038	70639.1838
1816311.8	1579791.52	1709741.81	1758733.72	1700080.85	1615012.99	1226392.94	1846258.42	1972964.6	2409919.25	2119175.39
4972936.3	5073070.85	5343944.71	5532022.83	5445796.99	5145528.98	4830097.78	5516060.47	5963343.67	5914328.97	5471370.44
4805712.8	5243786.32	5603152.16	6019149.45	5903489.66	5238147.22	5314960.26	5792791.99	6542037.25	5810986.75	5371439.94
0.000494	0.11294	0.045227		0.000231	0.030909	0.090667	0.000227	0.010472		
497787.32	449536.31	543158.369	690043.941	656721.314	517939.39	450600.178	622059.111	745589.492	744019.663	681411.382
3.86	3.13	4.34	3.76	3.73	4.77	3.59	3.58	4.54	5.18	4.35
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
6687244.8	6161108.51	6570407.34	6975767.95	6789365.93	6391586.96	5627257.78	7003553.92	7557036.64	9403742.13	8390650.47
3682335	2960226.29	3304201	3774885.73	3588483.71	3125380.61	2557023.82	3737347.58	4225365.67	6147786.18	5267590.68
1030681.6	722143.746	859924.281	1021416.69	977429.305	892217.033	385141.762	1002906.59	1036966.16	1630069.29	1471358.03
66099.528	50982.2909	54369.6466	56775.4227	54825.2945	54869.5271	37282.6183	61548.4488	64081.1675	89350.1012	79390.8422
36005.88	39994.1147	40038.4149	36115.534	36833.9208	38987.049	36772.577	32825.2213	40386.1288	37004.6631	32915.9064
3682335	2960226.29	3304201	3774885.73	3588483.71	3125380.61	2557023.82	3737347.58	4225365.67	6147786.18	5267590.68
44585.543	34859.1795	38775.0214	46108.6455	42965.9101	39843.8984	11101.2866	41697.9165	43043.9961	84695.4737	74504.2085
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768
26548.294	24357.8609	22451.0366	18424.1647	18109.7285	21086.0471	21717.4463	23449.3308	24537.3675	26425.0952	22683.7102
535359.14	388999.531	373136.941	334577.786	326417.556	334535.016	384434.558	437145.165	476711.362	828328.623	653211.439
-479868.1	-512909.05	-501263.83	-397605.48	-395622.37	-473950.57	-449389.82	-449979.15	-448671.16	-210455.98	-206078.33
1015227.2	901908.585	874400.767	732183.27	722039.922	808485.589	833824.374	887124.318	925382.521	1038784.61	859289.768

2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
-3255956	-3056611.7	-3521748.3	-3056611.7	-3123059.8	-3388852.1	-3189507.9	-3255956	-3322404	-3256145.3	-3602050.7
-3255956	-3056611.7	-3521748.3	-3056611.7	-3123059.8	-3388852.1	-3189507.9	-3255956	-3322404	-3256145.3	-3602050.7
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
3255955.95	3056611.7	3521748.28	3056611.71	3123059.79	3388852.12	3189507.87	3255955.95	3322404.04	3256145.35	3602050.75
23.60004	22.289948	17.639935	18.420124	20.379981	19.970019	17.580032	19.48999	20.499953	21.400088	33.389068
0	0	0	0	0	0	0	0	0	0	21.11
23.478148	22.168094	17.518086	18.298198	20.258113	19.848136	17.458144	19.368119	20.378097	21.278177	33.263509
23.571911	22.261828	17.611816	18.391987	20.351858	19.941892	17.551904	19.461866	20.471832	21.371955	33.360093
22.868692	21.558823	16.908843	17.688571	19.648776	19.238722	16.848703	18.758764	19.768816	20.668622	32.635713
23.140603	21.830652	17.180659	17.960558	19.920634	19.510614	17.120607	19.03063	20.040649	20.940577	32.915807
23.553158	22.243081	17.59307	18.373229	20.333109	19.923141	17.533152	19.443116	20.453085	21.3532	33.340776
23.590663	22.280575	17.630562	18.410745	20.370606	19.960643	17.570656	19.480615	20.49058	21.390711	33.37941

19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.069515	19.450905
1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.03
23.3	21.99	17.34	18.12	20.08	19.67	17.28	19.19	20.2	21.1	33.08
4.307969	3.907202	3.690458	3.697729	3.721525	3.720869	3.706986	3.763385	4.364653	4.87507	5.011922
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
0.029795	0.035625	0.026438	0.026331	0.026037	0.033676	0.031536	0.025943	0.029725	0.027142	0.032995
8557.2	7985.025	9287.775	8061.975	8239.725	8870.85	8367.525	8591.175	8732.475	8580.6	9225.225
21.885421	21.698437	21.905129	21.90754	21.914162	21.742279	21.790429	21.916262	21.776745	21.889285	21.757606
8820	8280	9540	8280	8460	9180	8640	8820	9000	8820	9540
22.557544	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5

2.24	7.77	2	2.64	9.84						6.74

5.55721	5.55721	3.10827	3.7676	6.875869	4.89788	3.67341	0.84771	1.60123	0.28257	7.5352
0.023676	0.026399	0.016501	0.01593	0.035688	0.021567	0.01709	0.001133	0.00153	0.000103	0.117272
0.022857	0.02538	0.016297	0.015407	0.034707	0.020833	0.016588	0.001122	0.001475	0.000102	0.113867
1553.80119	425.3827	3258.8146	2718.17513	15509.24	8924.9035	2245.19123	87.040666	60.251981	5.320337	23291.1351
7.343761	2.34528	17.222831	11.125492	56.712222	32.878077	10.746229	0.450485	0.258565	0.020507	90.124164
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24

0.032321	0.034456	0.027452	0.036467	0.026409	0.0325	0.030572	0.026505	0.02945	0.029311	0.027405
4894.86592	5102.4607	3774.94682	3097.53234	7129.2411	4643.567	3479.94374	240.37288	322.31818	21.85208	26375.4606
19465.3458	20595.88	13436.0368	12081.4212	27684.4692	18007.6875	12717.7499	821.354008	1324.60535	106.552084	105446.969
2.296897	2.331374	1.195097	1.540939	2.770677	1.96373	1.42275	0.319101	0.707156	0.144662	3.199687
382.763553	85.844843	752.598618	580.598738	3302.43597	1918.68216	517.789902	21.072404	11.783655	0.96053	4722.76525
22001.14	20608.56	23916.88	20565.64	21232.06	22894.92	21591.08	22133.38	22516.76	22069.58	23918.04
56.2689	56.001521	56.407735	55.884891	56.468244	56.115	56.22677	56.462704	56.151521	56.299948	56.410471
22736	21344	24592	21344	21808	23664	22272	22736	23200	22736	24592
58.148337	58	58	58	58	58	58	58	57.855361	58	58
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
26.330807	26.690487	13.978566	17.609403	31.791549	22.564366	16.462101	3.722067	7.983556	1.658473	36.495781
26.330807	26.690487	13.978566	17.609403	31.791549	22.564366	16.462101	3.722067	7.983556	1.658473	36.495781
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
26725.8182	28580.022	19043.3957	17499.284	41182.9724	25464.551	19049.1074	1082.3676	1702.55284	132.99554	149895.073
3202.108	3770.634	2545.6085	2885.37394	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
26725.8182	28580.022	19043.3957	17499.284	41182.9724	25464.551	19049.1074	1082.3676	1702.55284	132.99554	149895.073
193.46	157.3	126.95	147.56	248.79	223.51	109.2	152.47	133.53	113.22	282.01
21969.9091	24384.006	13238.9726	11895.7349	17995.9642	12891.238	13304.8494	935.700941	1527.71397	122.790347	104235.296
24910.3844	28087.145	15195.199	14273.8643	21928.1714	14958.3232	16236.336	987.844299	1631.9716	127.066435	122287.252
32.277665	33.635365	16.125659	19.487269	27.773773	21.123806	19.962914	5.130231	9.848618	1.664802	41.745844
479.042612	532.60599	320.877821	267.21877	406.285713	289.296617	314.487083	23.282776	32.968948	2.218022	2298.83165
44.999522	46.894027	41.809534	44.839972	44.435297	44.5387	42.701967	43.033247	49.514994	52.019389	48.435325
14.724073	5.158342	8.769121	12.992588	30.553805	20.419446	9.768622	0.860664	0.990299	1.040387	38.685169
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
1.329104	1.472065	0.945235	0.893641	2.013031	1.208333	0.962135	0.065102	0.085336	0.005918	6.604339
3202.108	3770.634	2545.6085	2885.37394	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
3202.108	3770.634	2545.6085	2885.37394	7677.76814	3648.40946	3499.0667	59.625988	114.586885	4.884856	22368.6424
40.637387	9.114008	79.902178	61.641229	350.614286	203.703382	54.972916	2.237223	1.251051	0.101977	501.40835
1553.80119	425.3827	3258.8146	2718.17513	15509.24	8924.9035	2245.19123	87.040666	60.251981	5.320337	23291.1351
7.14	7.41	4.86	3.53	6.61	5.13	3.82	0.42	0.55	0.04	30.93
-3202.108	-3770.634	-2545.6085	-2885.3739	-7677.7681	-3648.4095	-3499.0667	-59.625988	-114.58689	-4.884856	-22368.642
-28112.492	-31857.779	-17740.808	-17159.238	-29605.94	-18606.733	-19735.403	-1047.4703	-1746.5585	-131.95129	-144655.89
0.18	0.04	0.2	0.4	1.57	1.31	0.3	0.02	0.02		2.8
1903.9896	1738.0067	1290.3496	1283.6638	3454.1581	2191.6417	1293.2841	86.1975	131.0083	10.5793	12200.0645
0.3	0.27	0.06	0.1	0.21	0.18	0.08	0.02	0.01	0.01	1.07

119.19	107.271	23.838	39.73	83.433	71.514	31.784	7.946	3.973	3.973	433.6068
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
19465.3458	20595.88	13436.0368	12081.4212	27684.4692	18007.6875	12717.7499	821.354008	1324.60535	106.552084	105446.969
519.68	541.72	400.78	328.86	756.9	493	369.46	25.52	34.22	2.32	2800.24
119.19	107.271	23.838	39.73	83.433	71.514	31.784	7.946	3.973	3.973	433.6068
23523.7102	24809.388	16497.7872	14613.91	33505.2042	21816.1415	15550.0407	1022.74161	1587.96595	128.110684	127526.431
3939.1744	4106.2376	3037.9124	2492.7588	5737.302	3736.94	2800.5068	193.4416	259.3876	17.5856	21645.8552
11.046984	11.112282	11.284003	11.296532	11.215004	11.236195	11.292489	11.326168	11.232178	11.180647	10.810755
0.588153	0.553214	0.480824	0.4712	0.500477	0.493562	0.475759	0.464833	0.493482	0.520418	0.768524
0.568472	0.532121	0.462186	0.453655	0.484535	0.479039	0.457497	0.446914	0.475239	0.504922	0.747639
509214.852	363813.55	541188.75	483940.394	586717.352	621597.012	481382.648	470040.113	536908.457	620007.966	863937.942
2499.93782	2024.8461	3043.52684	2576.86325	2541.74793	2798.06801	2734.28526	2589.24746	2578.37906	2531.08694	3474.83895
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
0.034438	0.039402	0.039929	0.037744	0.032898	0.030367	0.039348	0.038775	0.0383	0.030382	0.028066
272241.881	240611.62	244756.677	209039.626	226481.735	243420.778	219705.759	219871.018	236693.738	245117.156	377982.099
276299.68	244186.53	247000.57	211705.086	229388.922	246750.757	221519.05	223017.673	239978.744	249295.386	389616.86
2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.5467	2.618499
418354.099	369747.87	376117.585	321231.194	348034.482	374064.71	337621.84	337875.794	363727.267	376671.533	600424.565
42013.5	39238.5	45184.77	39306.21	40362.93	43912.71	40946.79	41824.8	42699.48	42189.99	45743.1
107.451406	106.62636	106.567853	106.810353	107.348218	107.629191	106.632265	106.695918	106.482493	107.627525	107.884669
43512	40848	47064	40848	41736	45288	42624	43512	44400	43512	47064
111.283887	111	111	111	111	111	111	111	110.723192	111	111
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
29.884243	30.112591	30.619218	30.646432	30.348775	30.404765	30.611064	30.666292	30.449148	30.22372	30.004285
29.589072	29.754802	30.199018	30.22555	30.017035	30.070025	30.221223	30.297449	30.059769	29.923671	29.78624
737354.154	652715.41	663224.897	567420.638	613152.172	659306.298	594657.724	596101.365	642018.733	664247.172	1048836.36
686696.717	568436.53	450866.814	394650.303	487995.528	502831.143	402665.442	416427.013	487090.765	530118.504	1330533.03
-50657.437	-84278.887	-212358.08	-172770.34	-125156.64	-156475.15	-191992.28	-179674.35	-154927.97	-134128.67	281696.667
686696.717	568436.53	450866.814	394650.303	487995.528	502831.143	402665.442	416427.013	487090.765	530118.504	1330533.03
378.5	353.5	407.07	354.11	363.63	395.61	368.89	376.8	384.68	380.09	412.1
221552.561	281855.59	113687.836	76051.0135	20231.0307	30892.7758	106228.797	119244.742	97604.4559	38035.4152	178180.098
267568.31	322553.09	122860.763	83356.6783	23563.5766	34931.7103	114892.825	121623.64	107742.652	41926.9145	251676.973

50.5446	52.993275	37.107449	34.75481	22.561589	25.013576	34.428662	41.728192	42.634879	25.208565	30.432815
7727.57351	9756.5563	3960.10511	2633.60361	706.537259	1072.58778	3706.89912	4085.92224	3398.01598	1322.80034	6112.58623
21.715405	21.536316	17.485327	18.347908	18.965046	19.083706	17.748913	19.752802	20.046627	20.968394	26.844452
21.247083	19.646481	16.614713	17.480762	18.933249	19.017689	16.53788	18.883249	19.773865	20.912977	26.791206
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
63.261805	59.065538	51.302712	50.355733	53.783478	53.173382	50.782239	49.60754	52.619995	56.046377	82.987976
-192958.27	-210046.58	-340292.4	-282035.35	-243538.65	-283711.2	-306832.48	-294600.93	-278647.79	-262251.41	84125.4238
-192958.27	-210046.58	-340292.4	-282035.35	-243538.65	-283711.2	-306832.48	-294600.93	-278647.79	-262251.41	84125.4238
17007.7925	11979.562	17792.2449	15897.3064	19516.0507	20622.1522	15793.4809	15360.2338	17702.602	20647.3797	29074.3158
509214.852	363813.55	541188.75	483940.394	586717.352	621597.012	481382.648	470040.113	536908.457	620007.966	863937.942
132.26	146.65	72.01	57.03	25.89	35.98	72.97	86.84	74.94	49.34	148.38
50657.437	84278.887	212358.083	172770.335	125156.645	156475.155	191992.282	179674.352	154927.968	134128.668	-281696.67
-216910.87	-238274.21	89497.3202	89413.6567	101593.068	121543.444	77099.4567	58050.7123	47185.3159	92201.7536	-533373.64
227.85	179.08	310.53	275.11	314.52	340.61	270.44	278.5	297.73	321.73	207.36
74757.819	61239.28	70207.6435	64694.2533	80811.3397	84954.6181	63145.0163	66737.8387	77663.6916	90508.4857	99512.1223
0.86	0.92	1.09	0.97	0.81	0.89	0.92	0.89	0.98	0.81	0.86
6586.74	7046.28	8348.31	7429.23	6203.79	6816.51	7046.28	6816.51	7505.82	6203.79	6718.32
879654.985	778483.11	791159.212	676685.65	731534.175	786542.339	709497.924	711027.946	765738.55	792369.909	1246407.6
879654.985	778483.11	791159.212	676685.65	731534.175	786542.339	709497.924	711027.946	765738.55	792369.909	1246407.6
694653.779	613934.4	623118.156	532936.279	577423.404	620815.467	559140.889	560893.467	603706.011	625966.919	990041.425
24735.366	21736.118	21752.35	18530.91	20222.588	21694.74	19500.38	19446.156	21100.618	21970.18	35186.902
6586.74	7046.28	8348.31	7429.23	6203.79	6816.51	7046.28	6816.51	7505.82	6203.79	6718.32
879654.985	778483.11	791159.212	676685.65	731534.175	786542.339	709497.924	711027.946	765738.55	792369.909	1246407.6
36113.6344	31734.732	31758.431	27055.1286	29524.9785	31674.3204	28470.5548	28391.3878	30806.9023	32076.4628	52076.615
0.19	7.35	5.65	5.92			8.44	1.07	0.01		

1158.51	1072.8	1230.6	1072.29	1081.8	1190.55	1114.56	1131.24	1162.29	1132.68	1231.86
2.962941	2.915217	2.902358	2.913831	2.877127	2.918014	2.9025	2.885816	2.898478	2.889489	2.90533
1176	1104	1272	1104	1128	1224	1152	1176	1200	1176	1272
3.007672	3	3	3	3	3	3	3	2.992518	3	3

11.467516	11.523147	11.840787	11.792088	11.660943	11.668914	11.846779	11.625157	11.569716	11.488706	11.317476
0.716398	0.691666	0.575148	0.585172	0.617128	0.619564	0.565778	0.63636	0.657898	0.672012	0.822498
0.684015	0.654815	0.351483	0.560712	0.591412	0.591065	0.493184	0.607304	0.626497	0.590955	0.786088
258494.604	233071.63	147169.226	204499.513	218592.048	237244.845	186962.584	233133	244471.588	224481.3	343318.595
1277.51913	1307.5871	828.77397	1082.03317	946.796479	1069.3221	1065.34446	1284.16526	1173.79161	912.725163	1389.5937
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
0.046147	0.050896	0.050566	0.042391	0.042632	0.044166	0.053255	0.047066	0.046	0.046301	0.045495
131533.172	118668.97	75120.2777	104234.846	111368.657	120801.496	95524.5726	118680.146	124427.917	114114.3	160791.87
133278.466	120140.19	75824.403	105521.628	112762.234	122453.418	96244.0916	120310.673	126144.094	115887.125	165762.618
1.8787	1.8787	1.878699	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	1.8787	2.0478
114262.866	103087.74	65256.9853	90548.811	96745.9521	104940.259	82982.1962	103097.443	108090.531	99131.0925	163653.966
16078.13	14978.19	11137	15153.2	15478.71	16730.01	14364.15	16062.65	16367.95	14805.33	17402.53
41.120537	40.701603	26.266509	41.177173	41.166781	41.004926	37.40664	40.976147	40.81783	37.768698	41.043702
16856	15824	18232	15824	16168	17544	16512	16856	17200	16856	18232
43.109974	43	43	43	43	43	43	43	42.892768	43	43
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
22.965127	23.098647	24.389857	23.636189	23.35454	23.367416	24.414225	23.332068	23.13474	23.352873	24.542875
22.489272	22.594243	23.19732	23.10248	22.85153	22.865436	23.21202	22.78291	22.68002	22.523899	24.143656
263457.552	238072.47	154064.314	209007.84	223214.03	242207.793	195600.387	238247.489	249055.685	232247.746	348148.947
300656.451	256927.06	130446.179	186596.392	221200.69	232000.492	168027.153	216801.435	242009.536	233352.191	517711.085
37198.8986	18854.595	-23618.135	-22411.448	-2013.3402	-10207.301	-27573.234	-21446.054	-7046.1489	1104.44473	169562.137
300656.451	256927.06	130446.179	186596.392	221200.69	232000.492	168027.153	216801.435	242009.536	233352.191	517711.085
373.91	348.33	259	352.4	359.97	389.07	334.05	373.55	380.65	344.31	404.71

22.17863	19.559346	17.089285	19.259585	19.12481	18.918732	16.818566	18.832662	21.291515	19.873955	26.193156
5.766443	5.67221	3.759642	4.429704	4.207458	6.432369	4.036456	5.649798	7.45203	4.37227	8.905673
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
29.487877	28.157065	15.113797	24.110625	25.430744	25.415808	21.206953	26.114081	26.872194	25.411071	33.801816
-31553.49	-43173.676	-62883.504	-76895.002	-60225.737	-73350.243	-77503.929	-83480.166	-72084.621	-58543.1	85516.2268
-31553.49	-43173.676	-62883.504	-76895.002	-60225.737	-73350.243	-77503.929	-83480.166	-72084.621	-58543.1	85516.2268

11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
258494.604	233071.63	147169.226	204499.513	218592.048	237244.845	186962.584	233133	244471.588	224481.3	343318.595
-37198.899	-18854.595	23618.1346	22411.4478	2013.34019	10207.3011	27573.2345	21446.054	7046.14888	-1104.4447	-169562.14
-37198.899	-18854.595	23618.1346	22411.4478	2013.34019	10207.3011	27573.2345	21446.054	7046.14888	-1104.4447	-169562.14
2.78	4.27	2.79	2.6	2.55	3.81	2.61	4.76	3.87	3.07	2.68
	0.002717	0.356132			0.00245	0.080729		0.0025	0.079081	
72906.489	59486.906	42921.51	63952.4269	79106.7638	82924.4264	54303.5512	65241.0962	76311.0293	78629.7253	96819.143
1.31	1.32	1.82	1.19	1.22	1.31	2.28	1.35	1.21	2.05	1.25
4962.9481	5000.8332	6895.0882	4508.3269	4621.9822	4962.9481	8637.8028	5114.4885	4584.0971	7766.4455	4830.3525
332209.941	300100.74	193329.683	263491.394	281426.427	305350.735	245531.081	300281.601	314094.157	291895.291	432194.858
332209.941	300100.74	193329.683	263491.394	281426.427	305350.735	245531.081	300281.601	314094.157	291895.291	432194.858
247541.332	223227.92	141081.388	196070.439	209508.186	227393.678	179226.288	223408.116	234234.625	215018.217	329416.584
11529.76	10361.8	6408.25	8872.71	9561.96	10369.65	8143.47	10236.72	10775.75	9961.14	14331.97
4962.9481	5000.8332	6895.0882	4508.3269	4621.9822	4962.9481	8637.8028	5114.4885	4584.0971	7766.4455	4830.3525
332209.941	300100.74	193329.683	263491.394	281426.427	305350.735	245531.081	300281.601	314094.157	291895.291	432194.858
10953.272	9843.71	6087.8375	8429.0745	9083.862	9851.1675	7736.2965	9724.884	10236.9625	9463.083	13902.0109
0.0325	0.026603	0.020849	0.043858	0.039946	0.022009	0.028437	0.023061	0.03495	0.02079	0.027523
1137.78	1074.63	1245.48	1055.58	1082.94	1197.06	1119.24	1148.88	1158.06	1151.55	1236.99
2.909923	2.92019	2.937452	2.868423	2.880159	2.93397	2.914687	2.930816	2.88793	2.937627	2.917429
1176	1104	1272	1104	1128	1224	1152	1176	1200	1176	1272
3.007672	3	3	3	3	3	3	3	2.992518	3	3

4.380787	3.367072	2.246386	3.10005	7.332652	3.942877	3.244685	0.14	9.849246
0.003263	0.004314	0.003659	0.004416	0.01127	0.004444	0.005626	0.00004	0.028896
0.003158	0.00419	0.003528	0.004184	0.011031	0.004338	0.005322	0.00004	0.028301
217.79574		99.986264	203.568032	1491.54761	971.229173	130.776561		2136.08982
1.053493		0.549766	0.770451	5.308072	3.434549	0.628815		8.1173

61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
0.026224	0.033029	0.028761	0.028288	0.029321	0.028676	0.03427	0.029426	0.026462	0.035153	0.026167
873.5	1085.1	1052	1089.4	2936.6	1250.1	1453		11.2		8464.8
2983.78907	4331.9192	3635.8509	4309.85127	11440.5646	4952.71184	5194.53352		40.367809		28999.5014
1.114316	0.958661	0.56527	0.83308	2.002067	1.069695	0.851719		0.036042		2.474521
101.829731		28	51.237576	374.84898	254.419194	37.152169				613.421549
19058.1	17786.1	20669	17888.8	18287.3	19822.8	18432.2	19061.2	19519.5	18922.4	20621.7
48.741943	48.331793	48.747641	48.610869	48.636436	48.585294	48.00052	48.62551	48.677057	48.271428	48.636084
19600	18400	21200	18400	18800	20400	19200	19600	20000	19600	21200
50.127877	50	50	50	50	50	50	50	49.875311	50	50
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
18.280162	16.875989	10.977836	18.058107	45.750894	25.266254	20.219995		0.504597		49.173864
15.818574	13.474262	7.945832	12.007812	28.289981	15.190269	12.081381		0.504597		35.355448
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
3349.3889	4764.881	4025.45901	4918.04296	13279.6378	5596.58612	6187.06258		42.173006		33572.4521
350.113829	422.24182	383.546116	569.748695	1810.19019	631.210283	962.867057		1.805196		4217.96875
3349.3889	4764.881	4025.45901	4918.04296	13279.6378	5596.58612	6187.06258		42.173006		33572.4521
221.61	149.95	198.77	218.17	385.06	322.72	166.73	123.51	93.17	65.26	303.63
2781.47933	4342.6392	3541.92663	4144.72623	9977.89996	3994.14667	5093.41896		40.367809		27218.3936
3089.48257	4764.881	3921.19914	4704.99693	11508.0191	4506.14957	6026.67703		42.173006		31008.5619
6.0163	5.05	3.45	4.348647	10.480447	5.669897	4.999875		0.4		14.477225
54.626447	77.1	72.8	73.340173	180.839358	70.391486	99.58913		0.8		556.544884
42.653806		52.210389	57.19408	56.182084	55.575962	55.167227				53.651956
1.279614		1.044207	2.287763	16.854625	9.447913	2.758361				17.162726
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
0.158312	0.20951	0.176415	0.209239	0.551595	0.216911	0.266145		0.001995		1.415094
350.113829	422.24182	383.546116	569.748695	1810.19019	631.210283	962.867057		1.805196		4217.96875
350.113829	422.24182	383.546116	569.748695	1810.19019	631.210283	962.867057		1.805196		4217.96875
7.273552		2	3.659826	26.560641	18.108513	2.610869				43.455115
217.79574		99.986264	203.568032	1491.54761	971.229173	130.776561				2136.08982
1	1.16	0.96	1.05	2.53	1.07	1.32		0.01		7.84
-350.11383	-422.24182	-383.54612	-569.7487	-1810.1902	-631.21028	-962.86706		-1.805196		-4217.9688
-3439.5964	-5187.1228	-4304.7453	-5274.7456	-13318.209	-5137.3599	-6989.5441		-43.978202		-35226.531
		0.05	0.02	0.18	0.17	0.02				0.35
368.5069	386.9871	371.7878	503.8366	1599.7649	662.2043	635.6778		4.4321		4217.4591

0.03	0.02	0.01	0.07	0.03	0.02	0.05				0.62
13.002	8.668	4.334	34.339	17.003	8.668	21.67				331.222
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
2983.78907	4331.9192	3635.8509	4309.85127	11440.5646	4952.71184	5194.53352		40.367809		28999.5014
61.9	77.1	74.8	77	207.4	88.5	102.2		0.8		600
13.002	8.668	4.334	34.339	17.003	8.668	21.67				331.222
2999.27507	4342.6392	3641.9129	4348.29427	11469.4476	4965.37584	5224.19552		40.367809		29354.4834
2.484	2.052	1.728	4.104	11.88	3.996	7.992				23.76

0.025918	0.020869	0.029787	0.034755	0.037978	0.036691	0.025598	0.026479	0.030025	0.034311	0.030707

1527.36	1441.28	1645.48	1420.84	1446.88	1572.12	1496.68	1526.48	1551.96	1514.2	1643.92
3.906291	3.916521	3.880849	3.860978	3.848085	3.853235	3.897604	3.894081	3.870224	3.862755	3.877169
1568	1472	1696	1472	1504	1632	1536	1568	1600	1568	1696
4.01023	4	4	4	4	4	4	4	3.990024	4	4

10.376217	10.430862	10.698545	10.646836	10.538186	10.5437	10.692099	10.570466	10.500479	10.455863	10.221934
0.519981	0.492043	0.335689	0.364263	0.396787	0.393236	0.36445	0.388602	0.421245	0.452689	0.689159
0.487623	0.464176	0.245359	0.344259	0.378113	0.369813	0.343298	0.365042	0.402628	0.429659	0.655448
281730.47	233295.09	152866.683	191833.707	214933.959	228241.578	197070.311	214437.651	242287.603	252786.102	420168.152
1384.23443	1298.8042	858.107768	996.52882	915.259577	1011.54752	1103.34597	1172.09535	1154.92356	1027.33981	1698.91817
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
0.061377	0.055108	0.067099	0.059402	0.048696	0.061666	0.058828	0.063571	0.04625	0.051811	0.051061
115316.991	103400.53	64459.9102	78537.8797	87523.2815	92866.5934	81759.8796	88199.8057	98692.5302	102638.755	164657.793
117109.347	105048.81	64919.7304	79655.6835	88892.5231	94504.3373	82139.5909	89835.8226	100300.733	104929.65	169779.04
2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.4044	2.5022
160798.013	144181.7	89882.8987	109513.219	122042.464	129493.178	114005.976	122985.809	137616.864	143119.48	242409.203
21561.284	20321.894	18073.998	20283.804	20960.634	22434.424	21178.626	21510.888	22355.9	21781.034	23577.71

55.143948	55.222538	42.627353	55.119032	55.746367	54.986333	55.152671	54.874714	55.750374	55.563862	55.607806
22971.2	21564.8	24846.4	21564.8	22033.6	23908.8	22502.4	22971.2	23440	22971.2	24846.4
58.749872	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
27.906779	28.668651	33.885843	29.982986	28.848029	29.328762	30.059979	29.504759	28.760122	28.330672	28.512683
25.424684	25.556245	26.206662	26.077118	25.812966	25.824044	26.191727	25.886937	25.722095	25.610353	26.065497
308203.36	279126.49	195881.29	216105.03	237447.331	254879.537	224772.964	243140.896	267195.17	276159.291	449617.695
324108.469	278712.73	138661.458	178223.621	220312.966	225152.885	179310.709	195974.702	235791.286	253508.679	628648.543
15905.1097	-413.75508	-57219.832	-37881.409	-17134.365	-29726.652	-45462.256	-47166.194	-31403.883	-22650.612	179030.847
324108.469	278712.73	138661.458	178223.621	220312.966	225152.885	179310.709	195974.702	235791.286	253508.679	628648.543
367.94	346.63	308.43	346.14	357.69	382.84	361.41	367.08	381.5	371.69	402.35
1553.50828	20740.156	4862.17629	898.662183			2783.27194	2409.0013	160.043548	0.528536	
1907.46182	26101.61	5823.23686	978.87638			3183.74519	2704.19144	181.116612	0.510894	
4.904007	14.708378	9.367014	5.307426			8.469078	7.890379	1.385429	0.020849	
62.718302	838.47003	199.120319	36.288884			114.01107	96.454465	6.37053	0.020849	
21.753455	22.672176	20.10629	18.297778	18.184951	18.706612	18.705674	21.178293	20.56272	21.02523	30.037
20.630651	22.031377	18.378417	16.907757	14.366111	14.591157	17.281002	20.666034	18.49961	15.558402	23.42886
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53
28.6478	27.200728	14.378094	20.173608	22.157425	21.671073	20.117276	21.391479	23.535167	25.17804	38.409268
-44371.082	-54461.214	-90913.027	-78933.158	-62882.784	-78268.02	-88198.145	-93268.232	-82990.469	-76299.89	92964.2188
-44371.082	-54461.214	-90913.027	-78933.158	-62882.784	-78268.02	-88198.145	-93268.232	-82990.469	-76299.89	92964.2188
11138.5717	9171.398	5897.19168	7387.59912	8331.192	8841.798	7611.02293	8289.00553	9431.23147	9869.77115	16285.53
281730.47	233295.09	152866.683	191833.707	214933.959	228241.578	197070.311	214437.651	242287.603	252786.102	420168.152
0.09	3.62	0.87	0.11			0.55	0.42	0.03		
-15905.11	413.75508	57219.8323	37881.4086	17134.3646	29726.6521	45462.2556	47166.1937	31403.8833	22650.6123	-179030.85
-17812.572	-25687.855	51396.5955	36902.5323	17134.3646	29726.6521	42278.5104	44462.0023	31222.7666	22650.1015	-179030.85
19.78	17.18	15.51	21.41	19.71	19	21.53	19.67	22.08	16.89	16.65
	0.002717	0.224056								
67332.8272	55865.376	45469.0214	59144.7513	73925.7097	76075.3984	57745.2003	60635.049	71831.5027	81618.7245	89171.9848
1.45	1.46	2.22	1.36	1.31	1.55	1.45	1.53	1.44	1.36	1.68
24919.381	25091.239	38152.4316	23372.6608	22513.3718	26637.959	24919.381	26294.2434	24747.5232	23372.6608	29449.5432
368479.551	333173.95	229574.486	257156.78	283195.75	303420.906	267508.853	289242.934	318781.755	329808.568	535684.324
368479.551	333173.95	229574.486	257156.78	283195.75	303420.906	267508.853	289242.934	318781.755	329808.568	535684.324
277907.359	249230.51	154802.629	189168.903	210934.987	223997.515	196145.567	212821.632	237917.598	248049.13	412188.243
11201.29	10009.868	6096.312	7423.888	8331.192	8841.798	7725.034	8385.46	9437.602	9869.792	16285.53

24919.381	25091.239	38152.4316	23372.6608	22513.3718	26637.959	24919.381	26294.2434	24747.5232	23372.6608	29449.5432
368479.551	333173.95	229574.486	257156.78	283195.75	303420.906	267508.853	289242.934	318781.755	329808.568	535684.324
5376.6192	4804.7366	2926.22976	3563.46624	3998.97216	4244.06304	3708.01632	4025.0208	4530.04896	4737.50016	7979.9097
2.7	2.7	1.8	2.4	6.45	3.15	2.85		0.15		8.1
0.001909	0.002822	0.00247	0.003126	0.009005	0.003241	0.004821		0.000025		0.021189
0.001862	0.002771	0.002429	0.00307	0.008909	0.003161	0.004791		0.000025		0.021037
7.56232			5.251189	238.594714	127.731017	28.496269				249.053018
0.039321			0.022037	0.843658	0.424988	0.130524				0.938751
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88
0.036071	0.035733	0.030778	0.027934	0.024414	0.036911	0.030416	0.029897	0.028275	0.0275	0.022783
153.3	214.2	216.3	237.3	703.5	270.9	386.4		2.1		1873.2
562.400119	849.17836	733.145397	937.013265	2733.56021	1077.42308	1387.62074		7.568964		6096.3306
0.695356	0.717687	0.417268	0.616655	1.663106	0.81394	0.692767		0.036042		1.815123
1.596084			1.516917	58.740321	33.184013	8.4				75.580238
5290.04	4967.9	5753.3	5008.08	5135.48	5501.16	5212.48	5323.92	5441.66	5337.08	5800.76
13.529514	13.499728	13.569103	13.608913	13.658191	13.483235	13.574166	13.581428	13.570224	13.615	13.681037
5488	5152	5936	5152	5264	5712	5376	5488	5600	5488	5936
14.035805	14	14	14	14	14	14	14	13.965087	14	14
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88
10.430352	10.823008	6.25902	9.249838	25.884092	12.209103	10.641505		0.54064		28.926669
10.430352	10.823008	6.25902	9.249838	25.884092	12.209103	10.641505		0.54064		28.926669
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074		7.568964		6400.8306
644.930771	933.26138	806.181921	1047.46794	3123.67609	1207.82702	1620.85714		7.583515		7031.89622
82.530652	73.583028	73.036523	110.454673	369.115884	130.403941	222.736402		0.014551		631.065614
644.930771	933.26138	806.181921	1047.46794	3123.67609	1207.82702	1620.85714		7.583515		7031.89622
131.1	104.58	125.07	122.4	206.64	170.22	108.18	65.92	59.44	43.32	168.14
554.837798	859.67836	733.145397	931.762076	2515.96549	949.692058	1369.62447		7.568964		6151.77759
637.307495	933.26138	806.181921	1042.2034	2847.20101	1065.00181	1586.17501		7.583515		6725.07839
2.493398	2.52	1.68	2.189436	5.717329	2.858253	2.52		0.14		7.532887
10.113594	14.28	14.42	15.718872	42.983978	15.847732	25.2		0.14		119.841317
71.070682			51.926245	61.89327	62.056803	55.538857				54.095954
0.710706			0.519262	6.808259	3.723408	1.110777				4.689024
10.22	14.28	14.42	15.82	46.9	18.06	25.76		0.14		124.88

0.026138	0.038804	0.034009	0.042989	0.124734	0.044264	0.067083	0.000349	0.294528		
82.530652	73.583028	73.036523	110.454673	369.115884	130.403941	222.736402	0.014551	631.065614		
82.530652	73.583028	73.036523	110.454673	369.115884	130.403941	222.736402	0.014551	631.065614		
0.106405			0.101127	3.916021	2.212267	0.56		5.038682		
7.56232			5.251189	238.594714	127.731017	28.496269		249.053018		
0.5	0.83	0.86	0.78	2.07	0.8	1.07	0.01	6.6		
-82.530652	-73.583028	-73.036523	-110.45467	-369.11588	-130.40394	-222.7364	-0.014551	-631.06561		
-719.83815	-1006.8444	-879.21844	-1152.6581	-3216.3169	-1195.4058	-1808.9114	-7.598067	-7356.144		
				0.17	0.12	0.02		0.13		
156.5593	190.0741	193.4555	256.1137	896.8847	346.5587	379.8135	2.1886	2264.6123		
	0.01			0.02		0.01		0.29		
	10.5			21		10.5		304.5		
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074	7.568964	6400.8306		
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074	7.568964	6400.8306		
562.400119	849.17836	733.145397	937.013265	2733.56021	1077.42308	1387.62074	7.568964	6096.3306		
10.22	14.28	14.42	15.82	46.9	18.06	25.76	0.14	124.88		
	10.5			21		10.5		304.5		
562.400119	859.67836	733.145397	937.013265	2754.56021	1077.42308	1398.12074	7.568964	6400.8306		

10.982253	11.042006	11.266932	11.273854	11.166498	11.184774	11.275733	11.235775	11.150933	11.083534	10.770898
0.347373	0.330073	0.251419	0.27146	0.293398	0.287938	0.268034	0.275373	0.292066	0.304006	0.460628
0.333962	0.316381	0.223236	0.260925	0.283467	0.277117	0.254431	0.264718	0.281593	0.290496	0.445418
1051219.09	830605.65	844583.459	883200.609	1037482.74	1097107.3	867820.007	917697.805	1023727.9	1097280.69	1653100.97
5170.12796	4633.5827	4748.18117	4667.34322	4466.66794	4915.67525	4914.48125	5045.95855	4907.3528	4471.17242	6662.53104
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
0.033262	0.035728	0.034815	0.035834	0.034419	0.034788	0.036276	0.034383	0.033393	0.034063	0.031811
525013.711	469082.88	389380.112	396236.584	436143.014	463253.435	402309.555	426991.343	460149.803	461892.063	740145.223
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2.360153	2.362213	2.405604	2.355686	2.376575	2.358732	2.372509	2.331951	2.336173	2.349861	2.520385
693414.978	617017.31	531257.469	521293.224	566822.898	608498.147	534610.012	563959.045	609434.662	618922.106	1006487.73
486.189369	85.844843	780.598618	633.353232	3736.02527	2206.28537	563.342072	21.072404	11.783655	0.96053	5411.76704
138383.044	129474.88	138144.283	129816.419	133308.459	144126.604	133823.331	138314.613	141506.035	137484.444	150401.835
353.920828	351.83391	325.811988	352.762008	354.543773	353.25148	348.498257	352.8434	352.88288	350.725622	354.721308
143903.2	135092.8	155650.4	135092.8	138029.6	149776.8	140966.4	143903.2	146840	143903.2	155650.4

368.038874	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
135.797472	136.26937	120.110341	129.182957	185.977881	143.140667	132.408871	87.225187	91.372806	83.565739	197.65616
27.08188	27.250903	28.3594	27.730328	27.758824	27.560671	27.944658	27.306934	27.154567	27.144161	28.500059
1336100.45	1199926.1	1034043.35	1012432.73	1121542.75	1184252.57	1037203.43	1078512.49	1159905.49	1172782.32	2009884.75
1342181.77	1138354.5	743849.488	782935.111	987095.47	992253.484	776860.331	830285.517	966643.896	1017112.37	2667392.08
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1668.76	1460.29	1433.06	1542.78	1921.78	1886.61	1458.3	1459.33	1432.97	1317.89	1979.68
248412.296	332182.07	136064.057	93921.8989	50720.8604	48727.8525	128779.961	122589.444	99340.1502	38158.7341	315785.565
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23.633893	21.663844	19.332611	20.760729	27.590513	24.340781	19.32548	19.932288	20.284696	21.030822	34.240235
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
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39724.1415	31521.874	30179.5888	32223.0177	37790.2937	40057.6244	31606.1176	33888.1965	37910.8345	40478.3928	60241.7179
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140.99	159.67	79.56	62.5	37.1	42.98	79.73	87.68	75.54	49.38	193.75
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250.59	200.57	329.08	299.54	338.7	365.02	294.92	302.95	323.7	341.69	229.97
	0.000494	0.052744			0.000222	0.007339		0.000227	0.007189	
217426.191	178906.63	160453.768	189835.046	239794.621	247154.848	177502.543	192700.181	225943.853	250767.515	304185.386
3.95	4	5.2	3.69	3.6	3.95	4.79	3.79	3.64	4.23	5.77
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
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1243114.01	1112169.8	936807.206	935503.907	1039725.17	1096244.48	953812.648	997944.569	1077230.78	1089140.82	1872189.05
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
1607429.86	1441769.5	1234936.23	1217233.04	1343885.56	1423172.92	1244710.22	1301575.22	1400250.36	1414201.88	2377568.53

56385.184	50491.469	43812.1387	41544.5321	48356.9946	49510.4869	42723.3664	42334.7342	45833.3013	46294.6316	95628.1508
0.19	7.35	5.65	5.92			8.44	1.07	0.01		
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579
1160.8804	683.98586	1510.61884	1315.74059	2252.16883	2388.92685	1224.24589	1325.73285	1800.90589	2367.63887	1406.78414
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79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579
249.66	198.29	336.91	297.77	338.14	364.03	293.7	301.26	323.58	341.42	227.63
131.01791	107.07987	135.057445	149.628811	186.017002	181.295312	143.292184	121.933093	147.748325	181.036114	168.896468
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1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
2127571.2	1595106.8	1607967.38	1580781.96	2326392.8	2378193.32	1437984.5	1640631.14	2095491.18	2639278.32	3869377.01
79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
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1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579
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1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43
1889467.93	1470677.3	1336276.3	1321991.72	1807353.36	1844536.35	1214844.54	1394986.77	1718073.67	2060594.36	3518663.43

258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242127.5	289041.713
1283.79277	1498.6155	1585.58577	1081.71211	716.441805	783.306398	1171.1171	1279.54844	1174.37314	998.418217	1173.71759
8219.60819	8472.3574	8929.4545	6330.93848	5136.44164	5421.64095	6458.18317	7351.01561	7727.70194	7720.98733	9225.82851
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21.022015	23.02271	21.060034	17.203637	13.660749	13.288335	16.818185	18.75259	19.271077	19.696396	21.759029
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258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242127.5	289041.713
65604.7573	79061.693	124245.999	83712.6001	58647.4345	63725.2502	90693.3994	88743.4058	85674.6227	78723.1864	-1297.935
65604.7573	79061.693	124245.999	83712.6001	58647.4345	63725.2502	90693.3994	88743.4058	85674.6227	78723.1864	-1297.935
79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
8219.60819	8472.3574	8929.4545	6330.93848	5136.44164	5421.64095	6458.18317	7351.01561	7727.70194	7720.98733	9225.82851

258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
8219.60819	8472.3574	8929.4545	6330.93848	5136.44164	5421.64095	6458.18317	7351.01561	7727.70194	7720.98733	9225.82851
192819.724	187309.22	156496.051	115332.106	102842.29	106731.141	112351.879	142372.525	157284.326	164058.312	305872.433
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258424.482	266370.92	280742.05	199044.706	161489.725	170456.391	203045.279	231115.931	242958.949	242781.498	304574.498
260750.333	268500.26	283150.939	201223.923	162672.023	171820.812	204974.327	233354.541	245135.204	244342.013	288205.055
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9236.63951	9511.1674	10030.1431	7128.0171	5762.38127	6086.46162	7260.86883	8266.1899	8683.49997	8677.86088	10367.1475
216665.508	210319.62	175783.66	129764.304	115446.521	119857.519	126295.761	160096.225	176729.903	184360.697	343708.191
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79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
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9236.63951	9511.1674	10030.1431	7128.0171	5762.38127	6086.46162	7260.86883	8266.1899	8683.49997	8677.86088	10367.1475
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198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
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3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
90221.4281	87090.13	61457.1141	68294.2448	76817.1447	77873.642	51118.0423	48863.6112	58905.6902	73346.5172	129905.877
3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
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198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
108320.516	119746.3	119418.692	125739.084	122277.3	126960.015	101475.427	81450.715	91113.4815	103996.387	69137.8254
108320.516	119746.3	119418.692	125739.084	122277.3	126960.015	101475.427	81450.715	91113.4815	103996.387	69137.8254
79474.0829	65805.32	69140.3306	68049.0009	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
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198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
3875.50155	4037.4084	3530.66184	3787.49422	3886.28624	3998.31461	2978.59593	2543.71123	2928.34612	3461.70026	3885.29578
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198541.945	206836.43	180875.806	194033.329	199094.444	204833.657	152593.47	130314.326	150019.172	177342.904	199043.703
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	253652.993	325371.541
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4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
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4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
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286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	253652.993	325371.541
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189735.879	204581.21	199580.409	183376.026	150383.382	160095.909	179215.31	213474.822	194695.512	177332.09	182961.851
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286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
4211.63232	4408.0531	3936.08623	3615.64964	3052.98569	3240.05582	3503.06761	4364.00439	4048.58995	3738.1238	4943.93906
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286812.161	300188.42	268047.472	246225.741	207908.326	220647.801	238558.904	297188.699	275708.975	254589.22	344613.863
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	917465.411	1101662.01
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25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
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25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
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143903.2	135092.8	155650.4	135092.8	138029.6	149776.8	140966.4	143903.2	146840	143903.2	155650.4
368.038874	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999
48058.216	42740.886	34746.912	35249.188	39126.94	41505.748	35866.304	38093.856	41349.13	41803.432	69329.522
135.797472	136.26937	120.110341	129.182957	185.977881	143.140667	132.408871	87.225187	91.372806	83.565739	197.65616
27.08188	27.250903	28.3594	27.730328	27.758824	27.560671	27.944658	27.306934	27.154567	27.144161	28.500059
1336100.45	1199926.1	1034043.35	1012432.73	1121542.75	1184252.57	1037203.43	1078512.49	1159905.49	1172782.32	2009884.75
1342181.77	1138354.5	743849.488	782935.111	987095.47	992253.484	776860.331	830285.517	966643.896	1017112.37	2667392.08
79474.0829	65805.32	75447.9358	69377.2635	86030.0253	90160.0439	67830.6441	71342.2256	83233.5644	95601.8872	104924.349
6081.3238	-61571.588	-290193.86	-229497.61	-134447.28	-191999.08	-260343.1	-248226.97	-193261.59	-155669.95	657507.329
1938964.72	1718680.7	1206053.38	1159175.48	1339726.37	1357267.68	1125969.61	1265331.75	1440577.28	1516135.02	3608530.59
1668.76	1460.29	1433.06	1542.78	1921.78	1886.61	1458.3	1459.33	1432.97	1317.89	1979.68
248412.296	332182.07	136064.057	93921.8989	50720.8604	48727.8525	128779.961	122589.444	99340.1502	38158.7341	315785.565
17.624225	16.717476	13.599412	14.120055	15.428676	15.155296	13.560808	14.838833	15.562265	16.204826	25.997267
238103.269	124429.47	271691.078	258790.245	519039.436	533656.975	223139.966	245644.376	377417.51	578683.958	350713.579

249.66	198.29	336.91	297.77	338.14	364.03	293.7	301.26	323.58	341.42	227.63
131.01791	107.07987	135.057445	149.628811	186.017002	181.295312	143.292184	121.933093	147.748325	181.036114	168.896468
4.564512	3.169912	4.591995	4.482547	7.436128	7.119327	4.439367	5.431057	6.094517	10.150704	5.653315
14,206.56	7,854.46	18,842.00	16,292.15	30,401.64	31,355.95	16,023.81	14,929.11	21,934.59	31,581.48	17,562.79
298112.946	382439.99	148606.58	104356.619	59846.9681	55461.1849	141925.759	125315.675	109605.497	42054.4918	411697.865
8.521022	9.496418	5.931676	5.869686	6.417799	5.027952	6.2817	6.0832	4.946266	2.988246	9.055499
8,334.07	11,219.01	4,567.32	3,026.17	1,336.65	1,448.12	4,260.19	4,205.66	3,438.30	1,325.04	9,087.80
23.892704	22.476142	19.312248	21.165533	27.642346	24.389461	19.846189	20.345956	20.380133	21.012645	34.253282
23.656591	21.595591	18.944696	20.74428	27.597217	24.340781	19.25742	19.910415	20.252839	20.981709	34.19033
-5872.4853	3364.5521	-14274.678	-13265.976	-29064.99	-29907.823	-11763.625	-10723.448	-18496.296	-30199.783	-7172.616
-15.019144	9.142804	-33.666693	-36.048848	-77.300506	-73.303487	-30.634438	-27.355735	-46.125427	-77.040262	-16.916547
-5818418	-5292273.9	-5899723.7	-5277188.7	-5665736.9	-6067052.4	-5322265	-5579159.7	-5913973.1	-6134522.3	-7041849.5
-73.23777	-80.449243	-78.20011	-76.101893	-65.899387	-67.34804	-78.501561	-78.214937	-71.067354	-64.182988	-67.136799
-5818418	-5292273.9	-5899723.7	-5277188.7	-5665736.9	-6067052.4	-5322265	-5579159.7	-5913973.1	-6134522.3	-7041849.5
65267.5231	57950.86	56605.9344	53085.1171	55628.3885	58804.0974	51806.8331	56413.1176	61298.9725	64020.4063	87361.5574
2055748.01	1872501.7	1857399.73	1723728.31	1768647.26	1864865.96	1666991.99	1809671.3	1937550.2	2014746.1	2754762.98
5547088.54	5050430.5	5698830.81	5072388.37	5443394.05	5828132.01	5114758.21	5356096.95	5673628.22	5893102.7	6674165.75
5487078.87	4792420	5821915.31	5226822	5902586.52	6306327.8	5195972.42	5476425.65	5941440.23	6429732.17	6613181.46
	0.000494	0.052744			0.000222	0.007339		0.000227	0.007189	
614796.606	507933.23	531313.006	535393.101	668860.915	697955.067	516411.402	549411.309	642080.043	728121.178	828097.752
3.95	4	5.2	3.69	3.6	3.95	4.79	3.79	3.64	4.23	5.77
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
7757382.67	7010954.6	7105777.07	6436364.17	7005463.24	7424320.04	6448234.61	6844491.44	7354550.37	7650657.29	10650380.1
4501426.72	3954342.9	3584028.79	3379752.46	3882403.44	4035467.93	3258726.73	3588535.48	4032146.34	4394511.94	7048329.37
1243114.01	1112169.8	936807.206	935503.907	1039725.17	1096244.48	953812.648	997944.569	1077230.78	1089140.82	1872189.05
73601.5976	69169.872	61173.2576	56111.2874	56965.0348	60252.221	56067.0195	60618.7771	64737.268	65402.1043	97751.7329
36601.2611	37264.791	53424.0018	35384.2867	33460.58	38497.5991	40667.4178	38233.1879	36841.4133	37346.8693	42067.5445
4501426.72	3954342.9	3584028.79	3379752.46	3882403.44	4035467.93	3258726.73	3588535.48	4032146.34	4394511.94	7048329.37
56385.184	50491.469	43812.1387	41544.5321	48356.9946	49510.4869	42723.3664	42334.7342	45833.3013	46294.6316	95628.1508
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42
25543.3816	26428.986	26426.3456	20862.0994	17838.0948	18746.473	20200.7155	22524.9211	23388.138	23598.6723	28422.2109
596782.942	580326.18	462203.888	376240.37	352630.9	365014.194	349109.277	435046.237	473933.383	499022.657	941138.513
-407745.98	-461569.84	-550612.38	-464287.33	-378533.62	-402744.47	-450062.7	-456927.26	-439888.92	-420693.04	-210958.9
1004528.92	1041896	1012816.27	840527.698	731164.518	767758.662	799171.98	891973.497	913822.3	919715.696	1152097.42

2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
-2990381.8	-3194271.4	-3126308.2	-3602050.7	-3126308.2	-3330197.9	-3330197.9	-3262234.6	-3466124.3	-3262234.6	-3194441.3
-2990381.8	-3194271.4	-3126308.2	-3602050.7	-3126308.2	-3330197.9	-3330197.9	-3262234.6	-3466124.3	-3262234.6	-3194441.3
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33

30.449029	24.759004	23.38915	18.509129	19.319105	21.389147	20.949068	18.449094	20.449103	21.509066	22.449109
21.110102	21.11002	21.109918	21.109918	21.109959	21.110081	21.11004	21.11002	21.110061	21.109979	21.109979
30.323486	24.633471	23.263557	18.383545	19.193531	21.263556	20.823509	18.323525	20.323529	21.383507	22.323534
30.420057	24.730035	23.360167	18.480148	19.290127	21.360164	20.920093	18.420117	20.420124	21.480091	22.42013
29.69577	24.005805	22.635596	17.755626	18.56566	20.6356	20.195713	17.695676	19.695664	20.755717	21.695654
29.975828	24.285841	22.915763	18.035774	18.845787	20.915765	20.475807	17.975793	19.975788	21.035808	21.975785
30.400743	24.710722	23.340845	18.460827	19.270807	21.340843	20.900776	18.400798	20.400805	21.460774	22.400811
30.439371	24.749348	23.379489	18.499469	19.309446	21.379486	20.93941	18.439435	20.439443	21.499407	22.43945

19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905	19.450905
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
30.14	24.45	23.08	18.2	19.01	21.08	20.64	18.14	20.14	21.2	22.14
5.035151	4.515553	4.106789	3.869956	3.887101	3.911873	3.900348	3.888702	3.951111	4.58711	5.120944
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
0.02946	0.028138	0.029266	0.030919	0.023722	0.031352	0.029948	0.040625	0.028431	0.032369	0.023244
7686.675	8221.95	8037.675	9245.025	8083.575	8543.475	8555.85	8289	8919	8360.325	8263.35
21.837144	21.9252	21.841508	21.804304	21.966236	21.794579	21.826147	21.585937	21.860294	21.715129	21.976994
7920	8460	8280	9540	8280	8820	8820	8640	9180	8640	8460
22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5

8.22	0.24		4.48	2.56	1.92	16.36

7.535199	5.46302	4.89788	2.91989	4.42693	6.40492	4.52112	4.33274	1.22447	1.69542	0.56514
0.088177	0.026201	0.022796	0.017782	0.017338	0.03277	0.02236	0.022534	0.001259	0.001565	0.000159
0.085369	0.025212	0.022092	0.017287	0.016983	0.031556	0.021785	0.021718	0.00125	0.00151	0.000159
10415.5879	1674.77861	832.47413	9624.22736	3897.80577	18103.9444	8014.65345	2740.58676	2.517602	169.865468	94.27939
43.279131	7.627821	4.147178	50.606698	16.061812	64.526616	30.292548	12.173517	0.011883	0.744962	0.331303
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48

0.028494	0.037446	0.032418	0.029316	0.023016	0.035535	0.03028	0.031171	0.028946	0.033828	0.024787
16416.3751	5178.94296	4441.4353	4004.39366	3414.3875	6757.75574	4665.41908	4556.15868	278.61402	316.85516	32.77812
63687.4266	21886.3506	19248.663	15146.8482	14339.7051	28280.3441	19684.4123	17272.3056	1126.35202	1390.91881	171.819983
3.226456	2.335591	2.194224	1.174822	1.908121	2.742598	1.960867	1.795438	0.535109	0.791786	0.314514
2249.38981	373.052464	166.24069	2071.12275	772.97941	3598.3254	1574.73434	606.159134	0.465644	32.036528	15.529151
19834.26	20991.36	20652.06	23871.06	20852.74	21928.06	22047.54	21577.74	22979.02	21518.58	21267.44
56.347329	55.97696	56.119728	56.299669	56.665054	55.938928	56.243724	56.192031	56.321127	55.892415	56.56234
20416	21808	21344	24592	21344	22736	22736	22272	23664	22272	21808
58	58.154666	58	58	58	58	58	58	58	57.84935	58
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
36.723214	26.721093	24.964813	13.601655	21.761536	31.225027	22.30711	20.689016	6.138253	8.933078	3.426213
36.723214	26.721093	24.964813	13.601655	21.761536	31.225027	22.30711	20.689016	6.138253	8.933078	3.426213
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
94052.625	30187.6103	26275.435	21511.3422	21270.9325	42435.5642	28246.4377	26531.3948	1485.44789	1751.58217	207.648494
16657.5422	3953.73885	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.337669	80.364164	8.92811
94052.625	30187.6103	26275.435	21511.3422	21270.9325	42435.5642	28246.4377	26531.3948	1485.44789	1751.58217	207.648494
230.65	163.76	154.59	112.5	166.86	240.93	200.44	120	159.99	123.67	106.58
66979.4949	24559.0928	22170.607	8898.10589	13288.6007	15811.5183	15547.2113	18343.8176	1360.59262	1501.35254	104.440992
81378.8787	28304.8736	25328.969	10259.4485	16448.1093	19717.4539	18713.7281	23193.3025	1482.49522	1568.81291	108.943111
43.167601	31.914797	29.763351	11.253462	23.606383	22.419201	19.963558	24.312159	7.523521	8.783717	1.831295
1504.08592	510.233623	453.89049	205.252246	280.434025	335.43161	328.133001	419.365064	29.530563	30.238733	1.831295
48.180245	47.100563	49.753337	45.504382	46.739966	47.274097	47.602259	45.39482	50.925745	50.842457	57.103558
37.066851	17.843512	6.467933	13.184403	15.885458	31.63163	20.43123	12.666715	0.509257	2.033698	3.426213
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
4.95142	1.46624	1.281358	1.002688	0.985054	1.830255	1.263571	1.259687	0.0725	0.087376	0.009255
16657.5422	3953.73885	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.337669	80.364164	8.92811
16657.5422	3953.73885	3272.3539	2989.009	4084.52599	8520.10143	4684.57298	5446.99046	122.337669	80.364164	8.92811
238.814078	39.606376	17.649505	219.887753	82.065974	382.028389	167.186998	64.354935	0.049436	3.401266	1.648704
10415.5879	1674.77861	832.47413	9624.22736	3897.80577	18103.9444	8014.65345	2740.58676	2.517602	169.865468	94.27939
17.63	7.12	6.68	3.21	3.7	5.65	5.08	4.4	0.43	0.55	0.06
-16657.542	-3953.7389	-3272.3539	-2989.009	-4084.526	-8520.1014	-4684.573	-5446.9905	-122.33767	-80.364164	-8.92811
-98036.421	-32258.612	-28601.323	-13248.457	-20532.635	-28237.555	-23398.301	-28640.293	-1604.8329	-1649.1771	-117.87122
1.1	0.19	0.16	2.15	0.38	2.2	1.01	0.43		0.03	
7113.0888	2049.7612	1577.0555	1410.666	1432.5491	3350.0567	2166.3596	1723.6161	101.8134	132.288	16.9987
0.58	0.24	0.27	0.22	0.11	0.22	0.12	0.18	0.02	0.05	

235.0392	97.2576	109.4148	89.1528	44.5764	89.1528	48.6288	72.9432	8.1048	20.262	
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
63687.4266	21886.3506	19248.663	15146.8482	14339.7051	28280.3441	19684.4123	17272.3056	1126.35202	1390.91881	171.819983
1742.9	549.84	471.54	425.14	362.5	717.46	495.32	483.72	29.58	33.64	3.48
235.0392	97.2576	109.4148	89.1528	44.5764	89.1528	48.6288	72.9432	8.1048	20.262	
77395.0828	26233.8714	23003.082	18522.3332	17186.4065	33915.4627	23561.8647	21084.4044	1363.11022	1671.21801	198.720383
13472.617	4250.2632	3645.0042	3286.3322	2802.125	5545.9658	3828.8236	3739.1556	228.6534	260.0372	26.9004

10.872012	11.025998	11.086042	11.260645	11.278102	11.201103	11.250813	11.247428	11.2692	11.219614	11.160415
0.715176	0.597788	0.565452	0.468882	0.480807	0.506447	0.489529	0.496958	0.487483	0.497849	0.527197
0.689977	0.575421	0.544065	0.240306	0.463965	0.486857	0.470307	0.475492	0.471975	0.480905	0.50979
632520.924	511599.321	392239.5	294706.112	511275.098	634631.517	606633.148	502380.736	517707.465	545128.676	619651.427
2668.55034	2464.05809	2126.8551	1621.11533	2673.5192	2674.31579	2681.10556	2768.33128	2776.19359	2565.22931	2486.13717
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
0.033693	0.037978	0.03663	0.029551	0.03557	0.039285	0.040612	0.044765	0.032328	0.034947	0.033457
291355.224	263748.752	245502.07	126911.689	213364.761	236875.034	229801.904	227058.232	240380.772	229599.872	236910.462
299900.307	272669.5	254602.78	130387.861	220539.89	244827.338	237596.719	233924.545	248979.394	237793.824	245267.207
2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185	2.6185
462817.774	418964.892	389980.04	201599.218	338929.923	376275.991	365040.324	360682.001	381844.856	364719.397	376332.269
37755.54	40150.92	39242.94	24121.41	39395.01	41802.6	41744.88	40715.91	43823.91	41134.38	40339.62
107.260056	107.06912	106.63842	56.890117	107.051657	106.639285	106.49204	106.031015	107.411544	106.842545	107.286223
39072	41736	40848	47064	40848	43512	43512	42624	45288	42624	41736
111	111.296	111	111	111	111	111	111	111	110.711688	111
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
30.17319	30.692044	30.826781	32.012466	31.372129	31.157477	31.331777	31.419511	31.304642	31.281851	31.054153
29.949088	30.346766	30.49998	30.966627	31.006983	30.804331	30.933678	30.930186	30.979536	30.850459	30.697136
808476.125	734833.542	684036.37	360052.929	594002.842	659564.785	640188.947	633429.823	668942.977	641053.041	660119.661
944297.44	701161.706	607854.66	246087.666	426123.584	537331.799	496151.46	453944.489	489227.396	498572.992	539826.486
135821.315	-33671.836	-76181.71	-113965.26	-167879.26	-122232.99	-144037.49	-179485.33	-179715.58	-142480.05	-120293.18
944297.44	701161.706	607854.66	246087.666	426123.584	537331.799	496151.46	453944.489	489227.396	498572.992	539826.486
340.14	361.72	353.54	217.31	354.91	376.6	376.08	366.81	394.81	370.58	363.42
170096.201	215578.461	285234.78	54019.4175	76243.7842	17824.3475	26290.6394	122221.527	144751.552	87721.7655	33437.4341
235552.031	264628.627	330729.41	61436.3629	85838.4121	20993.2123	30556.762	139411.779	154628.682	98852.49	37315.2238

35.612089	47.832689	56.665064	34.009083	35.204662	21.341005	25.817341	35.382846	47.740307	40.437486	22.550491
5836.92856	7328.65563	9618.7824	1852.92935	2566.31371	603.680296	893.363075	4160.45731	4857.80799	2965.18084	1135.49362
24.872813	22.445171	21.816022	17.705057	18.840224	19.989439	19.926519	17.951022	20.203043	20.869681	21.98609
24.792935	22.079519	20.584793	17.423542	18.184552	19.96286	19.879324	17.090024	19.624443	20.660685	21.942269
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
76.587539	64.042144	60.391217	26.673971	51.500201	54.041188	52.204122	52.779625	52.389318	53.241875	56.586734
-16470.061	-171533.31	-204505.64	-180302	-279405.02	-246047.57	-264154.94	-298168.67	-305362.61	-262491.9	-244126.27
-16470.061	-171533.31	-204505.64	-180302	-279405.02	-246047.57	-264154.94	-298168.67	-305362.61	-262491.9	-244126.27
21121.8854	16687.1484	12605.186	9456.83465	16385.7603	20580.4657	19570.6529	16106.9187	16517.034	17532.9412	20141.1184
632520.924	511599.321	392239.5	294706.112	511275.098	634631.517	606633.148	502380.736	517707.465	545128.676	619651.427
126.04	125.49	141.36	35.5	53.8	23.1	30.6	74.25	90.67	69.59	44.33
-135821.31	33671.8362	76181.71	113965.263	167879.258	122232.986	144037.487	179485.334	179715.581	142480.05	120293.176
-371373.35	-230956.79	-254547.7	52528.9	82040.8457	101239.774	113480.725	40073.5549	25086.899	43627.5596	82977.9517
176.52	215.84	190.63	161.01	280.75	329.88	326.53	266.5	294.21	288.01	308.66
		0.002717	0.469339							
78243.3831	72396.2487	63084.234	36511.0712	66295.1876	85851.7723	82289.9131	64380.9166	72086.7878	76014.4092	87644.132
0.75	0.98	0.84	1.45	0.83	0.91	0.93	1.13	0.83	1.05	0.9
5859	7655.76	6562.08	11327.4	6483.96	7108.92	7265.16	8827.56	6483.96	8202.6	7030.8
960767.501	872695.015	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.006	761064.894	783952.76
960767.501	872695.015	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.006	761064.894	783952.76
762718.081	691634.392	644582.81	331987.079	559469.812	621103.329	602637.044	594606.546	630824.251	602513.221	621599.476
26958.814	24015.804	22223.968	11309.764	18952.074	21184.146	20464.016	20267.376	21374.842	20498.122	21276.612
5859	7655.76	6562.08	11327.4	6483.96	7108.92	7265.16	8827.56	6483.96	8202.6	7030.8
960767.501	872695.015	812360.3	426389.669	705528.602	783379.365	760306.402	752113.16	794590.006	761064.894	783952.76
39899.0447	35543.3899	32891.473	16738.4507	28049.0695	31352.5361	30286.7437	29995.7165	31634.7662	30337.2206	31489.3858
	0.08	3.56	0.59	5.12	0.02		6.18	0.75	0.02	0.16

0.02784	0.022739	0.035896	0.03165	0.035733	0.031147	0.029464	0.030625	0.028088	0.022994	0.02984

1026.6	1102.35	1064.37	1231.74	1064.55	1139.37	1141.35	1116.72	1189.62	1125.51	1094.34
2.916477	2.9396	2.892309	2.905047	2.892798	2.906556	2.911607	2.908125	2.915735	2.923402	2.910478
1056	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

11.376722	11.508623	11.553294	11.847599	11.86486	11.730394	11.744603	11.896022	11.696242	11.640496	11.541988
0.782759	0.701211	0.680842	0.564245	0.562189	0.595581	0.597955	0.560028	0.614533	0.63044	0.653248
0.739945	0.6666	0.647419	0.344262	0.538195	0.569435	0.569468	0.469081	0.589805	0.600932	0.550527
269456.888	263083.135	251501.77	156770.774	214582.542	239767.098	239956.782	194131.634	257611.03	246178.727	218648.561
1145.05518	1275.42249	1370.9149	860.161658	1116.76872	1010.93183	1062.43466	1087.79811	1382.34946	1158.77171	872.768858
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
0.055539	0.050904	0.050298	0.046556	0.043885	0.04403	0.04551	0.048515	0.041544	0.045078	0.039175
126291.128	123213.382	117655.77	73619.2182	100617.555	112383.889	112455.167	91089.4097	120646.467	115247.185	102344.894
130053.962	127222.293	121821.14	75752.8417	103913.087	116072.328	116188.922	93908.4763	124779.932	119255.22	105848.026
2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478	2.0478
128539.111	125406.58	119750.04	74929.6403	102408.547	114384.322	114456.869	92710.8011	122793.974	117298.585	104166.633
14295.35	15344.98	15028.07	11103.46	15129.55	16113.82	16048.89	13815.04	16815.15	15727.25	13602.62
40.611789	40.919946	40.837146	26.187405	41.112907	41.106683	40.941045	35.976666	41.213602	40.85	36.17718
15136	16168	15824	18232	15824	16856	16856	16512	17544	16512	16168
43	43.114666	43	43	43	43	43	43	43	42.888311	43
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
24.774169	25.07853	25.054568	26.547931	25.863691	25.559023	25.4952	26.513869	25.400323	25.267911	25.464859
24.267442	24.532379	24.619883	25.23281	25.262824	24.983846	25.010464	25.325782	24.91235	24.79766	24.599304
274519.098	268377.202	255604.73	164151.553	219335.609	245022.521	244400.706	202324.671	262209.526	250584.009	225836.126
374166.115	298447.892	268558.4	137063.08	187395.364	235242.128	225025.276	168782.95	233781.315	234177.93	220450.768
99647.0172	30070.6909	12953.67	-27088.473	-31940.245	-9780.3931	-19375.431	-33541.721	-28428.211	-16406.078	-5385.3578
374166.115	298447.892	268558.4	137063.08	187395.364	235242.128	225025.276	168782.95	233781.315	234177.93	220450.768
332.45	356.86	349.49	258.22	351.85	374.74	373.23	321.28	391.05	365.75	316.34
		6.819581					0.759144			
		6.448139					0.242939			
		0.245999					0.028207			
		0.245999					0.028207			
27.396117	20.515696	21.829362	18.078901	18.692542	20.05726	19.531804	16.950639	20.162241	19.999427	21.618407
10.684485	8.411435	20.012678	18.078901	6.729315	6.418323	7.617403	5.166722	5.847049	7.799776	5.404601
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
31.817642	28.74024	27.839021	14.803278	23.142391	24.485714	24.487142	20.17052	25.361642	25.772987	23.672686
33634.6444	-34332.944	-48544.999	-65569.238	-84533.041	-68523.452	-78155.746	-81154.155	-91490.119	-76645.782	-58881.034
33634.6444	-34332.944	-48544.999	-65569.238	-84533.041	-68523.452	-78155.746	-81154.155	-91490.119	-76645.782	-58881.034

11199.81	10777.59	10244.514	6276.59	8516.4	9598.4	9598.96	7745.45179	10347.55	9922.6	8900.93
269456.888	263083.135	251501.77	156770.774	214582.542	239767.098	239956.782	194131.634	257611.03	246178.727	218648.561
-99647.017	-30070.691	-12953.67	27088.4727	31940.2453	9780.39308	19375.4307	33541.7207	28428.2105	16406.0782	5385.3578
-99647.017	-30070.691	-12960.118	27088.4727	31940.2453	9780.39308	19375.4307	33541.4778	28428.2105	16406.0782	5385.3578
2.18	4.28	5.66	135	3.71	2.54	4.39	2.37	2.49	4.31	2.66
			0.35849			0.002551	0.122395		0.002604	0.125
75306.2619	70564.2138	61725.201	43296.6234	64726.9936	84506.1162	81191.5046	53508.7786	70365.8639	74595.0506	73530.2174
1.31	1.37	1.06	1.91	1.23	1.36	1.15	2.12	1.19	1.14	1.86
5062.20942	5294.06634	4096.1389	7380.77862	4753.06686	5255.42352	4443.9243	8192.27784	4598.49558	4405.28148	7187.56452
340531.47	332780.836	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.434	310823.712	279331.802
340531.47	332780.836	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.434	310823.712	279331.802
258593.072	252628.873	241571.18	150682.482	206321.634	230456.65	230645.791	186619.277	247573.907	236553.805	210014.659
11199.81	10777.59	10244.76	6276.59	8516.4	9598.4	9598.96	7745.48	10347.55	9922.6	8900.93
5062.20942	5294.06634	4096.1389	7380.77862	4753.06686	5255.42352	4443.9243	8192.27784	4598.49558	4405.28148	7187.56452
340531.47	332780.836	317103.4	202632.318	271928.405	303765.58	303181.022	249937.105	325271.434	310823.712	279331.802
10863.8157	10454.2623	9937.4172	6088.2923	8260.908	9310.448	9310.9912	7513.1156	10037.1235	9624.922	8633.9021

10.145833	4.351182	3.086073	2.386103	3.253089	6.219476	4.087329	2.965402	0.14
0.028659	0.00478	0.003119	0.003894	0.005119	0.010289	0.005525	0.008214	0.000156
0.027812	0.004643	0.00301	0.003858	0.005027	0.010035	0.005382	0.007958	0.000156
1241.18869	116.785275	21.85606	1273.26371	214.659931	2808.30834	587.834014	375.658703	
5.161605	0.523544	0.107596	6.68711	0.843856	9.750316	2.204347	1.647922	

489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
0.029588	0.02988	0.033668	0.028879	0.029103	0.029706	0.02667	0.034166	0.026556	0.032669	0.032433
6929.5	1227.3	779.8	1150.6	1316.9	2796.7	1495.9	2172.8	44.8		
23611.7766	4628.83108	3405.1813	4285.20333	5663.6217	11905.1128	6375.6621	8087.64788	170.078002		
2.617227	1.193522	0.94408	0.63866	0.941884	1.803441	1.205352	0.813494	0.037963		
409.483154	33.374983	5.6	338.109143	50.329393	655.351544	133.702429	111.871906			
17087.8	18274.7	17645.8	20649.4	17922.4	19002.9	19071.4	18547.9	19857.2	18568.1	18164.6
48.544886	48.732533	47.950543	48.701415	48.702173	48.476785	48.65153	48.301822	48.669607	48.228831	48.310106
17600	18800	18400	21200	18400	19600	19600	19200	20400	19200	18800
50	50.133333	50	50	50	50	50	50	50	49.870129	50
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
52.213561	22.411733	15.653235	11.933905	21.876763	45.154901	28.04419	19.84404	0.531493		
37.112619	16.821364	13.39722	9.028264	13.336499	25.535603	17.055485	11.606367	0.531493		
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002		
28267.2945	5156.83938	3777.7143	4750.93258	6714.44947	14182.2818	7347.51141	9803.53655	179.071494		
4544.49192	508.454302	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
28267.2945	5156.83938	3777.7143	4750.93258	6714.44947	14182.2818	7347.51141	9803.53655	179.071494		
279.62	223.15	165.97	171.03	206.69	346.6	283.25	170.96	159.85	90.82	57.19
22481.6139	4531.5998	3406.9702	3057.44763	5456.99177	9116.95546	5807.68009	7733.15118	170.078002		
26746.4117	5029.74642	3755.1278	3312.79983	6472.66126	10838.2763	6669.77944	9320.86045	179.071494		
15.311956	6.551065	4.35	3.082353	4.857613	8.664802	5.952297	4.810962	0.4		
460.358346	84.916072	55	57.713632	88.905043	150.247412	95.960992	144.916292	3.2		
51.639443	46.520748	56.891207	54.380386	60.875282	61.147794	61.333858	54.312841			
12.370523	1.860829	0.568912	5.961116	4.261269	17.73286	7.331338	2.715642			
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2		
1.390625	0.2328	0.150543	0.192924	0.251358	0.501785	0.269132	0.397916	0.007843		
4544.49192	508.454302	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
4544.49192	508.454302	348.88797	420.221247	1042.79776	2257.01797	951.997308	1694.72666	8.993491		
29.141653	2.383927	0.4	24.086367	3.594956	46.452587	9.539007	7.883707			
1241.18869	116.785275	21.85606	1273.26371	214.659931	2808.30834	587.834014	375.658703			
6.14	1.27	0.83	0.89	1.27	2.42	1.47	1.92	0.06		
-4544.4919	-508.4543	-348.88797	-420.22125	-1042.7978	-2257.018	-951.99731	-1694.7267	-8.993491		
-31290.904	-5538.2007	-4104.0158	-3733.0211	-7515.459	-13095.294	-7621.7767	-11015.587	-188.06499		
0.13	0.03	0.01	0.26	0.02	0.34	0.05	0.06			
3343.6995	501.1912	295.9658	418.7838	643.1134	1634.7431	786.7179	956.628	16.0845		

0.16	0.04	0.05	0.08		0.01	0.02	0.02	
82.976	17.684	22.105	43.528		4.421	12.922	8.842	
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002
23611.7766	4628.83108	3405.1813	4285.20333	5663.6217	11905.1128	6375.6621	8087.64788	170.078002
489.5	87.3	55.4	81.8	92.5	196.7	105.5	152.8	3.2
82.976	17.684	22.105	43.528		4.421	12.922	8.842	
23722.8026	4648.38508	3428.8263	4330.71133	5671.6517	11925.2638	6395.5141	8108.80988	170.078002
28.05	1.87	1.54	1.98	8.03	15.73	6.93	12.32	

0.026363	0.02851	0.022065	0.033844	0.030135	0.043239	0.033392	0.024218	0.027794	0.033984	0.031462

1370.88	1461.12	1439.52	1638.6	1427.64	1500.2	1515.64	1498.8	1586.64	1483.8	1456.68
3.894545	3.89632	3.911739	3.864622	3.879456	3.82704	3.866428	3.903125	3.888823	3.854025	3.874148
1408	1504	1472	1696	1472	1568	1568	1536	1632	1536	1504
4	4.010666	4	4	4	4	4	4	4	3.98961	4

10.278127	10.383388	10.418151	10.670558	10.647519	10.552662	10.582391	10.675914	10.548869	10.501678	10.452951
0.655717	0.526431	0.492915	0.346141	0.363538	0.396618	0.382036	0.388853	0.400032	0.422155	0.456964
0.623099	0.498124	0.462873	0.240734	0.346528	0.373558	0.357043	0.36998	0.38036	0.39966	0.430996
332647.803	287393.653	248020.05	158867.141	201315.579	230490.194	220785.505	219784.304	241800.419	240394.118	252264.314
1413.33802	1384.95596	1341.9549	873.397493	1028.82376	956.585624	963.325862	1202.93144	1290.65057	1124.43523	1008.11019
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
0.050539	0.057499	0.060788	0.064669	0.049375	0.05875	0.067882	0.052421	0.051029	0.055572	0.06125
130476.275	112787.351	103062.9	63004.7134	79057.1024	90174.1324	86357.849	87674.5697	95399.4415	93979.6204	98602.3536
134267.764	116909.629	107186.6	64824.9089	81968.1499	93531.1078	89630.642	90331.8701	99146.7119	97702.3705	102448.693
2.5022	2.5022	2.5022	2.502199	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022
192087.172	166045.539	151729.21	92755.539	116387.866	132754.358	127136.025	129074.502	140447.058	138356.797	145162.385
19584.706	20766.668	20200.006	17202.03	20500.038	21621.642	21411.854	21322.782	22688.748	21251.876	20684.042

55.638369	55.377781	54.89132	40.570825	55.706624	55.157249	54.622076	55.528078	55.609676	55.199677	55.010749
20627.2	22033.6	21564.8	24846.4	21564.8	22971.2	22971.2	22502.4	23908.8	22502.4	22033.6
58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
28.376483	29.846104	29.884022	35.429927	30.852716	30.115947	30.727172	30.561659	30.183602	30.237785	29.996342
26.20795	26.4679	26.549553	27.190969	27.126589	26.888028	26.960554	27.198777	26.876537	26.757721	26.639675
352811.716	314627.39	289925.82	198900.904	226734.274	255382.069	247956.215	245748.297	271045.227	266234.25	277857.37
462913.662	336032.898	290082.3	145052.986	188500.975	237011.129	217962.579	208586.309	226346.389	236377.102	256486.417
110101.946	21405.5084	156.47805	-53847.918	-38233.299	-18370.94	-29993.636	-37161.989	-44698.837	-29857.147	-21370.953
462913.662	336032.898	290082.3	145052.986	188500.975	237011.129	217962.579	208586.309	226346.389	236377.102	256486.417
334.21	354.38	344.49	293.55	349.83	368.97	365.39	363.87	387.18	362.66	352.97
4.999297	939.501397	15786.831	1644.17968	702.114118			3701.54138	2249.39254	71.781407	
7.199212	1167.78643	19863.214	2007.78294	773.420538			4384.02597	2611.19288	80.409279	
0.080698	3.997875	12.817061	6.446501	4.757928			8.638251	6.808199	0.813194	
0.191999	36.701814	613.83728	64.771044	27.10426			145.704936	86.203486	2.743012	
29.706894	23.082804	23.7089	17.559816	19.556665	19.558415	19.41895	18.800996	22.219054	20.773375	22.263537
23.171377	21.681016	23.327943	17.549366	17.933635	16.624652	14.952592	17.799926	20.806535	17.029903	18.2561
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4
36.513607	29.267957	27.12438	14.107014	20.306548	21.890505	20.922729	21.680875	22.289127	23.359298	25.256382
41901.9973	-37548.44	-53714.502	-86780.482	-79556.446	-65504.959	-75132.884	-82989.486	-94564.125	-78980.295	-72910.403
41901.9973	-37548.44	-53714.502	-86780.482	-79556.446	-65504.959	-75132.884	-82989.486	-94564.125	-78980.295	-72910.403
12852.598	10938.7822	9367.9347	5916.60296	7445.70574	8581.078	8201.71	8179.75106	9007.76051	8990.58699	9496.4
332647.803	287393.653	248020.05	158867.141	201315.579	230490.194	220785.505	219784.304	241800.419	240394.118	252264.314
	0.14	2.56	3.44	0.19			0.76	0.37	0.06	
-110101.95	-21405.508	-156.47805	53847.9184	38233.2987	18370.94	29993.636	37161.9886	44698.8374	29857.1473	21370.953
-110109.15	-22573.295	-20019.692	51840.1354	37459.8782	18370.94	29993.636	32777.9627	42087.6445	29776.738	21370.953
16.56	20.5	15.48	67.94	17.95	23.77	21.59	24.69	18.94	20.95	19.01
		0.002717	0.261792							
71795.2179	65553.2684	56887.43	43647.1661	60729.0676	78661.1675	73959.5114	60464.051	65563.0373	69115.3581	78493.0553
1.15	1.5	1.49	2.19	1.41	1.42	1.55	1.27	1.54	1.47	1.46
20158.9135	26294.235	26118.94	38389.5831	24716.5809	24891.8758	27170.7095	22262.4523	26995.4146	25768.3503	25593.0554
421011.665	373581.338	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.515	315357.397	329396.82
421011.665	373581.338	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.515	315357.397	329396.82
326354.935	282955.167	258915.81	157580.448	198356.016	226285.465	216766.667	219406.372	239593.77	236059.168	247611.078
12852.79	10975.484	9981.772	5981.374	7472.81	8581.078	8201.71	8325.456	9093.964	8993.33	9496.4

20158.9135	26294.235	26118.94	38389.5831	24716.5809	24891.8758	27170.7095	22262.4523	26995.4146	25768.3503	25593.0554
421011.665	373581.338	343796.8	231833.468	268057.421	302516.088	293095.463	291575.795	320910.515	315357.397	329396.82
6297.8671	5377.98716	4891.0683	2930.87326	3661.6769	4204.72822	4018.8379	4079.47344	4456.04236	4406.7317	4653.236
8.1	3.6	1.65	1.95	2.7	5.55	3.3	2.7	0.15		
0.022996	0.002734	0.001889	0.002414	0.004378	0.008716	0.004153	0.007286	0.000051		
0.022471	0.002686	0.001793	0.002358	0.004293	0.008596	0.00403	0.007005	0.000049		
117.819016	2.27611		65.130243	16.522255	476.436195	57.447661	75.975305			
0.492	0.010747		0.339828	0.053588	1.663706	0.205295	0.327249			
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		
0.027755	0.032632	0.033777	0.027216	0.022391	0.03176	0.040229	0.03414	0.031225	0.030963	0.024308
1661.1	212.1	138.6	210	331.8	707.7	331.8	564.9	4.2		
5508.34599	843.536447	607.67237	792.679124	1426.25229	3010.77424	1422.8438	2085.31642	15.944812		
1.91555	0.988668	0.476281	0.485703	0.746125	1.534677	0.91274	0.702867	0.037963		
34.921334	0.773339		13.414136	4.2	110.444198	13.123402	23.1			
4791.22	5092.22	4977.98	5774.44	5036.64	5313.7	5267.22	5192.46	5533.64	5209.54	5136.04
13.61142	13.579253	13.527119	13.618962	13.686521	13.555357	13.436785	13.522031	13.562843	13.531272	13.65968
4928	5264	5152	5936	5152	5488	5488	5376	5712	5376	5264
14	14.037333	14	14	14	14	14	14	14	13.963636	14
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		
28.925185	14.830029	7.144229	8.455738	11.249581	23.020166	13.691113	10.54301	0.569457		
28.925185	14.830029	7.144229	8.455738	11.249581	23.020166	13.691113	10.54301	0.569457		
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812		
6539.13464	925.79693	663.62436	858.811467	1656.89806	3544.01042	1624.22494	2470.40655	16.361991		
999.288643	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178		
6539.13464	925.79693	663.62436	858.811467	1656.89806	3544.01042	1624.22494	2470.40655	16.361991		
158.71	118.5	96.02	116.91	129.11	185.3	143.52	119.18	89.1	42.43	34.59
5422.02698	841.260336	607.67237	780.048881	1420.23004	2534.33804	1365.39614	2009.34112	15.944812		
6397.34725	923.163843	663.62436	801.191679	1639.77372	2990.66887	1560.76978	2375.29732	16.361991		
7.40002	3.354271	1.54	1.587732	2.38	4.90267	3.008551	2.52	0.14		
108.411911	14.088444	9.24	13.105724	21.84	39.817053	21.245106	36.12	0.28		
54.286611	44.148339		64.427632	61.419153	64.65447	69.0674	54.408844			
3.800062	0.441483		3.35557	0.614191	9.69817	4.144044	0.544088			
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28		

0.314602	0.037706	0.025108	0.033018	0.060108	0.120357	0.056428	0.098072	0.000686			
999.288643	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178			
999.288643	82.260483	55.951992	13.632343	220.145764	533.236181	201.381139	385.090132	0.417178			
2.328088	0.051555		0.894275	0.28	7.362946	0.874893	1.54				
117.819016	2.27611		65.130243	16.522255	476.436195	57.447661	75.975305				
5.34	0.84	0.51	0.84	0.87	1.67	0.98	1.57	0.02			
-999.28864	-82.260483	-55.951992	-13.632343	-220.14576	-533.23618	-201.38114	-385.09013	-0.417178			
-7396.6359	-1005.4243	-719.57636	-814.82402	-1859.9195	-3523.9051	-1762.1509	-2760.3875	-16.77917			
0.09			0.01	0.02	0.27	0.03	0.06				
1868.5869	222.1683	132.3098	191.4517	350.0085	918.6386	399.3753	549.7977	3.9979			
0.03			0.05	0.01							
31.5			52.5	10.5							
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812			
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812			
5508.34599	843.536447	607.67237	792.679124	1426.25229	3010.77424	1422.8438	2085.31642	15.944812			
110.74	14.14	9.24	14	22.12	47.18	22.12	37.66	0.28			
31.5			52.5	10.5							
5539.84599	843.536447	607.67237	845.179124	1436.75229	3010.77424	1422.8438	2085.31642	15.944812			

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0.429013	0.350232	0.332181	0.207301	0.271356	0.292005	0.281782	0.277822	0.282471	0.291055	0.302502	
0.412899	0.336305	0.318201	0.154761	0.262178	0.280222	0.270234	0.262562	0.272735	0.279837	0.287455	
1246400.21	1063869.95	892615.66	621306.649	931302.206	1126277.5	1076035.37	919488.894	1017121.43	1031871.39	1090658.58	
5275.87628	5132.59865	4843.9796	3412.30812	4836.07093	4717.77389	4739.56827	5073.20952	5449.2055	4849.18121	4367.34752	
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422	
0.03448	0.03536	0.035331	0.033636	0.032922	0.037942	0.036015	0.036799	0.031408	0.034384	0.032558	
573129.602	506367.828	471580.58	268900.614	398102.505	449695.21	435108.039	413116.07	456754.295	439143.533	437890.488	
657029.582	544160.139	506872.03	291190.342	427850.706	497627.005	470899.201	445610.161	474218.413	456142.333	453735.746	
2.509579	2.469193	2.466433	2.453161	2.468283	2.48326	2.466888	2.485275	2.44411	2.444538	2.458982	
783444.056	710417.011	661459.29	369284.397	557726.336	623414.67	606633.219	582467.304	645085.889	620374.779	625661.287	
2693.7943	407.200786	171.84069	2422.64603	827.508804	4364.12115	1721.56017	741.13104	0.465644	32.036528	15.529151	
124446.341	132496.648	129370.16	116085.615	130471.863	138091.367	137950.624	133193.822	144588.788	135504.691	131107.692	
353.540741	353.324394	351.54935	273.786827	354.543105	352.273895	351.914857	346.858911	354.384284	351.960236	348.69067	
129219.2	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6	

367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
201.185804	149.579535	133.52765	127.981625	142.976419	186.232544	151.596566	139.571108	94.127773	95.720627	89.941568
28.499035	28.297461	28.389832	28.785838	29.031913	28.99197	28.88078	29.167683	28.536163	28.406614	28.365588
1542464.67	1349563.93	1256606.5	746803.61	1064367.53	1208820.88	1163926.09	1112781.32	1203746.86	1159542.52	1164011.88
1910236.27	1371912.74	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.982	970879.606	1016971.32
367771.601	22348.8168	-59394.369	-191478.79	-232705.33	-139073.96	-187568.6	-242662.24	-252710.88	-188662.91	-147040.56
1910236.27	1371912.74	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.982	970879.606	1016971.32
1684	1578.61	1464.1	1174	1561.81	1895.06	1741.91	1478.46	1581.98	1355.91	1231.09
264984.337	246449.915	327213.68	68399.1995	97111.7208	45287.1593	49010.9269	154010.137	148547.56	89294.8995	33541.8751
350081.868	300054.197	380346.8	77817.5858	111172.377	54539.6113	57501.0394	178685.508	158917.803	100501.712	37424.1669
16.69776	14.314537	15.675925	8.494498	10.809171	9.427497	8.670578	11.500484	10.435338	12.508599	6.095446
7909.97674	7974.59558	10750.996	2193.772	2984.59704	1129.17637	1338.70218	4906.59181	4977.02204	2998.16259	1137.32491
32.15542	25.016555	23.275238	20.610075	22.105267	28.831374	24.827244	20.051218	21.02289	20.96477	22.565901
32.114653	24.848394	22.790064	20.432749	21.804325	28.809708	24.781675	19.645643	20.724001	20.858692	22.542911
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
151.575437	123.787088	116.81163	56.812896	96.245663	102.869806	99.203127	96.386697	100.121117	102.461537	105.525058
81267.9037	-238870.24	-303087.95	-329228.86	-438147.04	-368765.62	-411605.62	-454785.51	-491285.11	-418037.62	-375908.78
81267.9037	-238870.24	-303087.95	-329228.86	-438147.04	-368765.62	-411605.62	-454785.51	-491285.11	-418037.62	-375908.78
45444.5773	38445.5624	32235.684	21894.896	32433.807	39195.7876	37548.9238	32105.9002	35872.394	36449.5294	38540.0971
1246400.21	1063869.95	892615.66	621306.649	931302.206	1126277.5	1076035.37	919488.894	1017121.43	1031871.39	1090658.58
155.15	134.86	151.94	43.88	59.83	32.84	38.13	82.9	91.55	70.2	44.39
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196.58	240.84	211.94	366.37	302.83	359	353.6	294.11	315.64	313.3	330.33
		0.000494	0.099056			0.000231	0.011126		0.000236	0.011363
237670.238	211286.852	183702.2	125475.762	194176.92	254922.494	240793.382	181583.788	208137.585	219857.106	239684.403
3.98	4.13	3.71	5.9	3.59	3.92	3.77	4.72	3.58	3.71	4.22
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
1828968.37	1610782.98	1500300.1	884553.679	1269809.24	1438512.53	1387963.11	1324904.59	1442321.09	1388917.22	1392880.1
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53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
1828968.37	1610782.98	1500300.1	884553.679	1269809.24	1438512.53	1387963.11	1324904.59	1442321.09	1388917.22	1392880.1

70561.3945	55627.7726	51366.502	29045.9285	42781.8094	50429.4081	47452.3264	45339.7811	46356.5854	44628.9115	44803.4243
	0.08	3.56	0.59	5.12	0.02		6.18	0.75	0.02	0.16
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
1228.05465	1226.29335	797.56101	2543.82551	1433.76785	2637.72036	2581.4062	1263.86385	1512.56339	1912.56378	2483.50968
-83127.342	-77697.952	-67671.757	-77150.756	-70691.388	-92259.396	-88303.939	-69690.476	-76229.255	-81468.359	-93297.614
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
195.44	239.89	210.24	379.01	301.49	358.32	353.12	293.29	314.33	313.11	330.41
160.416037	140.550909	114.67883	150.313103	153.28505	197.936073	189.30919	151.345341	126.67133	153.385434	187.62775
74.272352	59.324927	41.053679	76.015697	56.553637	95.963782	91.679814	57.409714	53.310919	71.261639	95.924862
15627.8041	14790.3134	8921.3766	28965.903	17352.3824	34689.5052	32658.7315	17296.7367	16978.4716	22565.8422	32124.609
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-236.15722	-207.19454	-183.89065	-181.95933	-192.09616	-235.3556	-225.26515	-181.48562	-186.83641	-211.60613	-248.13195
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-30.476667	-24.951681	-23.463775	-18.559578	-19.967709	-22.037444	-21.351342	-18.752197	-20.518457	-21.674815	-22.612092
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2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2824700.2	2193795.45	1737480.1	1898106.15	1698592.42	2659797.32	2471005.06	1542302.1	1851567.93	2173383.07	2727605.38
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
1228.05465	1226.29335	797.56101	2543.82551	1433.76785	2637.72036	2581.4062	1263.86385	1512.56339	1912.56378	2483.50968
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292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101
195.44	239.89	210.24	379.01	301.49	358.32	353.12	293.29	314.33	313.11	330.41
160.416037	140.550909	114.67883	150.313103	153.28505	197.936073	189.30919	151.345341	126.67133	153.385434	187.62775
74.272352	59.324927	41.053679	76.015697	56.553637	95.963782	91.679814	57.409714	53.310919	71.261639	95.924862

15627.8041	14790.3134	8921.3766	28965.903	17352.3824	34689.5052	32658.7315	17296.7367	16978.4716	22565.8422	32124.609
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-236.15722	-207.19454	-183.89065	-181.95933	-192.09616	-235.3556	-225.26515	-181.48562	-186.83641	-211.60613	-248.13195
-2531873.3	-1938065.8	-1588604.9	-1432012.7	-1411930.1	-2032161.4	-1884476.2	-1306140.1	-1563878.7	-1765135.5	-2109414.3
-30.476667	-24.951681	-23.463775	-18.559578	-19.967709	-22.037444	-21.351342	-18.752197	-20.518457	-21.674815	-22.612092
-2531873.3	-1938065.8	-1588604.9	-1432012.7	-1411930.1	-2032161.4	-1884476.2	-1306140.1	-1563878.7	-1765135.5	-2109414.3
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2824700.2	2193795.45	1737480.1	1898106.15	1698592.42	2659797.32	2471005.06	1542302.1	1851567.93	2173383.07	2727605.38
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28

246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	244635.777
1050.43553	1270.98104	1535.7409	1628.3638	1118.09395	761.086668	776.782178	1201.20881	1365.77779	1164.2066	992.078789
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061
226294.466	194032.917	197077.78	163604.437	121084.52	111747.034	107781.125	118464.643	155451.425	158393.857	165285.309
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061
21.189834	21.016118	23.055185	21.01261	17.207576	13.574764	13.306815	16.845152	18.745393	19.266966	19.707953
-20592.53	-66829.648	-83752.815	-131294.94	-88517.524	-64388.25	-64877.465	-95643.984	-97701.368	-87134.732	-80023.352
-20592.53	-66829.648	-83752.815	-131294.94	-88517.524	-64388.25	-64877.465	-95643.984	-97701.368	-87134.732	-80023.352
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7390.22148
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	244635.777
20592.5304	66829.648	83752.815	131294.939	88517.5235	64388.2502	64877.4654	95643.9838	97701.3676	87134.7319	80023.3518
20592.5304	66829.648	83752.815	131294.939	88517.5235	64388.2502	64877.4654	95643.9838	97701.3676	87134.7319	80023.3518
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061

246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
7458.82163	7881.04426	8484.3081	8909.34671	6332.38801	5321.30769	5216.27161	6468.53856	7648.12063	7417.78214	7410.19061
226294.466	194032.917	197077.78	163604.437	121084.52	111747.034	107781.125	118464.643	155451.425	158393.857	165285.309
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246886.996	260862.565	280830.6	294899.376	209602.043	176135.284	172658.59	214108.626	253152.793	245528.589	245308.661
246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	243970.352
1047.14557	1267.31621	1529.4812	1623.08326	1117.17301	757.800878	773.701034	1198.45056	1362.72262	1160.78731	989.453335
8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8328.95845
254236.213	218027.391	221243.51	183793.963	136255.457	125490.011	121027.933	133195.137	174786.127	177974.549	185762.145
24.414943	21.032549	20.3643	18.552768	13.450926	25.953959	15.86838	16.858413	21.209271	22.786757	20.339831
1.220747	0.630976	3.258288	12.615882	0.538037	0.519079	0.952102	1.854425	0.212092	1.139337	2.033983
8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8328.95845
23.806503	23.61587	25.879194	23.604695	19.374725	15.234098	14.937731	18.940213	21.076183	21.649905	22.151485
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8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8306.477
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0.27	0.22	0.56	13.16	0.22	0.14	0.27	0.81	0.06	0.48	1.12
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
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246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	244645.79
8379.88911	8855.95134	9523.5435	10008.3907	7129.89895	5971.76656	5855.59058	7273.04213	8599.08267	8335.21361	8328.95845
246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	244645.79
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254236.213	218027.391	221243.51	183793.963	136255.457	125490.011	121027.933	133195.137	174786.127	177974.549	185762.145
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246117.343	260099.291	279706.47	293946.434	209405.132	175390.784	171978.695	213609.247	252555.058	244805.224	244645.79
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
747.075709	924.764002	1142.9803	986.509575	1037.3476	885.418867	893.593999	865.590361	727.949511	683.523228	692.247543

3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
104012.688	90611.462	92632.169	63543.6239	72454.0889	82796.1317	79774.9861	55339.8234	53105.4885	59349.312	74273.3753
3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
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3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
71511.9328	99156.9299	115747.21	115343.543	122856.064	122199.721	119271.138	98917.1729	81204.3577	84894.1134	96667.6707
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83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
3426.2077	3704.24345	4067.5265	3491.84397	3812.41758	4001.48063	3885.34304	3011.06766	2621.70303	2815.60463	3336.73719
104012.688	90611.462	92632.169	63543.6239	72454.0889	82796.1317	79774.9861	55339.8234	53105.4885	59349.312	74273.3753
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175524.62	189768.392	208379.38	178887.167	195310.152	204995.853	199046.124	154256.996	134309.846	144243.425	170941.046
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	251254.333
833.140639	1377.4531	1700.9421	1498.31481	1360.24084	935.825794	989.399971	1389.29685	1708.53961	1287.38403	1027.67457
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3611.09152
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-110233.33	-183007.29	-208183.06	-200779.93	-186804.87	-154430.45	-157357.31	-182815.37	-223778.43	-189612.1	-173044.01
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3599.47199
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	251254.333
110233.334	183007.292	208183.06	200779.927	186804.869	154430.447	157357.311	182815.374	223778.434	189612.105	173044.014

110233.334	183007.292	208183.06	200779.927	186804.869	154430.447	157357.311	182815.374	223778.434	189612.105	173044.014
81432.4509	77578.529	67671.757	77062.7212	70551.7356	90929.5984	87102.9421	69410.5741	76229.2549	81396.7136	92709.4988
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3611.09152
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
2790.04231	4020.8366	4439.3188	3880.37571	3630.49377	3079.54819	3139.078	3535.19102	4509.48296	3884.38674	3611.09152
84511.6192	97647.1021	101681.39	70070.2981	66603.596	60522.0172	61750.3337	63940.9594	90983.4765	81518.0897	79030.3923
-110233.33	-183007.29	-208183.06	-200779.93	-186804.87	-154430.45	-157357.31	-182815.37	-223778.43	-189612.1	-173044.01
194744.953	280654.394	309864.45	270850.225	253408.465	214952.464	219107.645	246756.334	314761.911	271130.195	252074.406
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	910801.508
3677.79746	4840.51435	5909.1444	5736.27144	4632.85539	3340.13221	3433.47718	4654.54658	5164.98954	4295.90116	3701.45424
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
669054.985	600318.872	612634.86	481012.322	396397.662	380555.195	370334.378	370940.563	474326.518	477235.807	504351.221
24.414943	21.032549	20.3643	18.552768	13.450926	25.953959	15.86838	16.858413	21.209271	22.786757	20.339831
1.220747	0.630976	3.258288	12.615882	0.538037	0.519079	0.952102	1.854425	0.212092	1.139337	2.033983
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
62.656138	65.232201	72.050806	62.004615	56.807604	46.872711	46.163987	52.832915	57.299973	58.319447	60.337706
-194218.93	-391065.77	-466146.05	-557570.88	-471328.13	-390919.19	-392456.68	-457790.64	-480453.09	-428471.62	-408618.68
-194218.93	-391065.77	-466146.05	-557570.88	-471328.13	-390919.19	-392456.68	-457790.64	-480453.09	-428471.62	-408618.68
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22632.9077
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	910801.508
194218.927	391065.77	466146.05	557570.88	471328.131	390919.19	392456.676	457790.641	480453.09	428471.625	408618.681
194218.927	391065.77	466146.05	557570.88	471328.131	390919.19	392456.676	457790.641	480453.09	428471.625	408618.681
0.27	0.22	0.56	13.16	0.22	0.14	0.27	0.81	0.06	0.48	1.12
330814.477	310672.384	270687.03	308514.99	282625.899	367707.786	352014.758	278482.003	304917.02	325801.79	372602.34
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
669054.985	600318.872	612634.86	481012.322	396397.662	380555.195	370334.378	370940.563	474326.518	477235.807	504351.221

-194218.93	-391065.77	-466146.05	-557570.88	-471328.13	-390919.19	-392456.68	-457790.64	-480453.09	-428471.62	-408618.68
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
10.836854	10.980181	11.032523	11.247618	11.277224	11.179819	11.221693	11.247141	11.214295	11.160589	11.077232
0.429013	0.350232	0.332181	0.207301	0.271356	0.292005	0.281782	0.277822	0.282471	0.291055	0.302502
0.412899	0.336305	0.318201	0.154761	0.262178	0.280222	0.270234	0.262562	0.272735	0.279837	0.287455
2531873.34	1938065.78	1588604.9	1432012.68	1411930.05	2032161.41	1884476.18	1306140.15	1563878.67	1765135.48	2109414.28
2402500.99	2310984.26	2120271.8	2125983.32	2085690.37	2525387.79	2425355.3	1984382.05	2259590.29	2345826.41	2619651.19
10181.7284	11199.4064	11550.685	11692.4051	10902.6942	10695.6265	10754.4517	10991.6199	12126.7584	11057.6462	10552.3114
-7717.8274	-6815.7179	1829.6195	-26772.131	-14367.785	-33560.329	-31320.029	-12390.145	-12001.45	-19567.68	-30933.214
2990381.75	3194271.42	3126308.2	3602050.75	3126308.2	3330197.86	3330197.86	3262234.64	3466124.31	3262234.64	3194441.33
0.03448	0.03536	0.035331	0.033636	0.032922	0.037942	0.036015	0.036799	0.031408	0.034384	0.032558
573129.602	506367.828	471580.58	268900.614	398102.505	449695.21	435108.039	413116.07	456754.295	439143.533	437890.488
657029.582	544160.139	506872.03	291190.342	427850.706	497627.005	470899.201	445610.161	474218.413	456142.333	453735.746
2.509579	2.469193	2.466433	2.453161	2.468283	2.48326	2.466888	2.485275	2.44411	2.444538	2.458982
783444.056	710417.011	661459.29	369284.397	557726.336	623414.67	606633.219	582467.304	645085.889	620374.779	625661.287
2693.7943	407.200786	171.84069	2422.64603	827.508804	4364.12115	1721.56017	741.13104	0.465644	32.036528	15.529151
124446.341	132496.648	129370.16	116085.615	130471.863	138091.367	137950.624	133193.822	144588.788	135504.691	131107.692
353.540741	353.324394	351.54935	273.786827	354.543105	352.273895	351.914857	346.858911	354.384284	351.960236	348.69067
129219.2	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6
367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
53354.554	46420.158	42986.68	24088.668	35418.404	40324.964	38887.626	37012.492	40849.416	39447.692	39677.422
201.185804	149.579535	133.52765	127.981625	142.976419	186.232544	151.596566	139.571108	94.127773	95.720627	89.941568
28.499035	28.297461	28.389832	28.785838	29.031913	28.99197	28.88078	29.167683	28.536163	28.406614	28.365588
1542464.67	1349563.93	1256606.5	746803.61	1064367.53	1208820.88	1163926.09	1112781.32	1203746.86	1159542.52	1164011.88
1910236.27	1371912.74	1197212.1	555324.819	831662.202	1069746.91	976357.489	870119.086	951035.982	970879.606	1016971.32
83127.3421	77697.9515	67671.757	77150.7561	70691.3877	92259.3959	88303.9386	69690.4763	76229.2549	81468.3587	93297.6138
367771.601	22348.8168	-59394.369	-191478.79	-232705.33	-139073.96	-187568.6	-242662.24	-252710.88	-188662.91	-147040.56
2579291.26	1972231.61	1809847	1036337.14	1228059.86	1450302.11	1346691.87	1241059.65	1425362.5	1448115.41	1521322.54
1684	1578.61	1464.1	1174	1561.81	1895.06	1741.91	1478.46	1581.98	1355.91	1231.09
264984.337	246449.915	327213.68	68399.1995	97111.7208	45287.1593	49010.9269	154010.137	148547.56	89294.8995	33541.8751
24.039203	20.202559	19.255182	15.982108	16.523536	17.905618	17.611306	15.943672	17.282211	18.041864	18.713025
292826.865	255729.672	148875.23	466093.464	286662.367	627635.909	586528.88	236161.954	287689.255	408247.591	618191.101

195.44	239.89	210.24	379.01	301.49	358.32	353.12	293.29	314.33	313.11	330.41
160.416037	140.550909	114.67883	150.313103	153.28505	197.936073	189.30919	151.345341	126.67133	153.385434	187.62775
6.189362	4.943743	3.421139	6.334641	4.712803	7.996981	7.639984	4.784142	4.846447	7.917959	10.658318
15,627.80	14,790.31	8,921.38	28,965.90	17,352.38	34,689.51	32,658.73	17,296.74	16,978.47	22,565.84	32,124.61
350081.868	300054.197	380346.8	77817.5858	111172.377	54539.6113	57501.0394	178685.508	158917.803	100501.712	37424.1669
9.74036	8.350147	9.144289	4.955123	6.30535	5.499373	5.057837	6.708615	5.692002	5.559377	2.709087
7,909.98	7,974.60	10,751.00	2,193.77	2,984.60	1,129.18	1,338.70	4,906.59	4,977.02	2,998.16	1,137.32
32.118166	24.975488	23.101957	20.371498	22.053643	28.854876	24.716112	19.962873	21.017724	20.999904	22.483145
32.07756	24.80876	22.645496	20.212864	21.75534	28.833235	24.670744	19.568618	20.719468	20.894142	22.460937
-7717.8274	-6815.7179	1829.6195	-26772.131	-14367.785	-33560.329	-31320.029	-12390.145	-12001.45	-19567.68	-30933.214
-21.925645	-18.175247	4.971792	-63.141818	-39.042895	-85.613083	-79.898034	-32.266002	-29.415317	-50.825141	-82.269186
-5635206.1	-5762273.2	-5484147.1	-5920863.2	-5447713.4	-6122044.1	-6018736.3	-5480950.9	-6001741.2	-5873879.4	-6088383.1
-67.818394	-74.184339	-81.064701	-76.749878	-77.104113	-66.431005	-68.19986	-78.698833	-78.751641	-72.116705	-65.281146
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67499.538	62907.6381	58750.381	48184.8531	53339.0053	57569.8907	55645.2071	52393.7396	59250.7833	58902.5165	61173.0048
2109674.12	2055254.59	1971396.6	1659889.85	1799028	1897751.88	1838826.42	1748220.1	1971901.04	1937578.82	2001460.09
5348702.42	5501054.15	5240453.5	5783113.1	5242271.71	5892352.43	5794699.32	5268827.67	5763166.95	5644504.65	5859514.85
5291447.42	5456729.62	5008981.9	6171388.98	5417761.7	6465448.73	6323727.17	5326304.11	5891938.4	5952250.53	6440281.78
		0.000494	0.099056			0.000231	0.011126		0.000236	0.011363
651612.057	599657.187	522060.98	511141.508	547494.206	714889.676	681112.078	529756.267	589283.859	627127.254	705584.357
3.98	4.13	3.71	5.9	3.59	3.92	3.77	4.72	3.58	3.71	4.22
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
8214497.37	7734504.82	7293994	6957200.31	6675773.28	7572346.19	7365428.21	6722010.58	7427103.67	7321994.77	7609705.61
5224115.62	4540233.4	4167685.8	3355149.56	3549465.08	4242148.33	4035230.35	3459775.94	3960979.37	4059760.13	4415264.29
1440473.64	1254577.15	1168331.3	660474.739	985577.041	1121041.68	1077532.42	1028077.47	1119304.3	1076517.11	1079397.03
75409.5147	70882.2336	69501.377	50378.6251	56323.6023	58699.0671	56983.9092	57300.3314	64227.8053	61900.6791	62364.3998
31429.6381	39359.0029	36908.679	57282.9425	36008.6842	37349.7931	38941.3446	39364.0753	38085.975	38396.4938	39811.4199
5224115.62	4540233.4	4167685.8	3355149.56	3549465.08	4242148.33	4035230.35	3459775.94	3960979.37	4059760.13	4415264.29
70561.3945	55627.7726	51366.502	29045.9285	42781.8094	50429.4081	47452.3264	45339.7811	46356.5854	44628.9115	44803.4243
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902
22054.9607	24462.0756	26514.697	26289.9571	20905.1983	18374.1031	18096.2832	20287.8394	23378.3893	22452.9871	22686.9778
669054.985	600318.872	612634.86	481012.322	396397.662	380555.195	370334.378	370940.563	474326.518	477235.807	504351.221
-194218.93	-391065.77	-466146.05	-557570.88	-471328.13	-390919.19	-392456.68	-457790.64	-480453.09	-428471.62	-408618.68
863273.912	991384.642	1078780.9	1038583.2	867725.793	771474.385	762791.054	828731.204	954779.608	905707.432	912969.902

2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
-3535446.8	-3050189.4	-3258156.8	-3327479.3	-3535446.8	-3188834.4	-3674091.8	-3258156.8	-3327479.3	-3535446.8	-3327479.3
-3535446.8	-3050189.4	-3258156.8	-3327479.3	-3535446.8	-3188834.4	-3674091.8	-3258156.8	-3327479.3	-3535446.8	-3327479.3
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33

34.573772	31.523668	25.633681	24.213828	19.163839	20.003784	22.133674	21.683688	19.093817	21.163681	22.263711
21.532179	21.532159	21.532098	21.53222	21.532139	21.532301	21.532179	21.532139	21.53224	21.532159	21.532199
34.446302	31.39624	25.506248	24.086335	19.036342	19.876309	22.006244	21.556252	18.966328	21.036248	22.136266
34.544356	31.494261	25.604274	24.184407	19.134417	19.974367	22.104267	21.654279	19.064396	21.134273	22.234301
33.808952	30.759101	24.869082	23.448871	18.398855	19.238934	21.369092	20.919073	18.328887	20.399083	21.499039
34.093308	31.043363	25.153356	23.733278	18.683272	19.523301	21.65336	21.203353	18.613284	20.683356	21.78334
34.524745	31.474657	25.584669	24.164792	19.114802	19.954755	22.084663	21.634674	19.044783	21.114668	22.214694
34.563966	31.513866	25.623879	24.204021	19.154032	19.993979	22.123872	21.673885	19.08401	21.153878	22.253908

19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924	19.839924
1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
34.26	31.21	25.32	23.9	18.85	19.69	21.82	21.37	18.78	20.85	21.95
5.224674	5.219629	4.681158	4.253371	4.01319	4.016728	4.052445	4.042372	4.026894	4.099883	4.749163
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
0.033014	0.027982	0.026808	0.034921	0.037254	0.030244	0.025636	0.024414	0.028151	0.030759	0.033125
8876.925	7698.375	8233.2	8338.275	8838	8029.575	9295.425	8253.45	8396.775	8897.625	8353.8
21.757169	21.870383	21.9552	21.714257	21.661764	21.819497	21.923172	21.950664	21.866601	21.807904	21.698181
9180	7920	8460	8640	9180	8280	9540	8460	8640	9180	8640
22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558

9.74	9.57			6.4	0.64			10.24		
7.15844	7.252629	6.31073	5.74559	3.20246	4.33274	7.252629	4.61531	3.7676	0.9419	1.50704
0.11335	0.089372	0.024728	0.020703	0.014341	0.019692	0.035654	0.019672	0.020214	0.001032	0.001141
0.109583	0.086107	0.024095	0.02026	0.013872	0.018913	0.034858	0.019148	0.019557	0.00098	0.001119
28642.4012	14551.0315	2373.36009	919.99998	6640.4128	9470.46716	24821.2104	7775.35422	2684.32824	427.777448	103.097385
108.30318	58.479671	10.683859	4.525198	34.006503	42.420977	85.727062	29.114877	11.794328	2.051374	0.434926
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94

0.028382	0.037414	0.029414	0.025989	0.032107	0.036222	0.028207	0.025079	0.031536	0.029656	0.031171
24425.1624	16558.4136	4949.49612	4250.2296	3092.06932	3802.26192	8074.34356	3933.3744	4102.72802	218.5208	234.90986
101466.19	66419.9954	20899.8894	18365.815	11597.4532	15545.3428	33763.4913	16663.1287	16044.5987	803.491238	1089.30921
3.204209	3.226073	2.783858	2.588993	1.288385	1.875362	3.155851	2.014854	1.599816	0.36133	0.732321
5540.45291	3161.0715	495.916864	177.31273	1431.37011	1918.04338	4915.2706	1520.85551	549.943335	92.95321	15.746928
22992.36	19652.14	21166.52	21693.16	22904.2	20570.86	23898.32	21261.06	21569.62	22962.2	21577.74
56.353823	55.829943	56.444053	56.492604	56.137745	55.899076	56.363962	56.545372	56.170885	56.279901	56.046077
23664	20416	21808	22272	23664	21344	24592	21808	22272	23664	22272
58	58	58.154666	58	58	58	58	58	58	58	57.84935
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
36.292779	36.681962	31.729749	29.495039	14.908237	21.553535	35.959204	22.956612	18.414575	4.203246	8.479241
36.292779	36.681962	31.729749	29.495039	14.908237	21.553535	35.959204	22.956612	18.414575	4.203246	8.479241
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
143533.224	97769.2717	28470.865	24500.01	16144.8522	22770.4477	48483.9102	23787.006	24120.1729	1062.71637	1383.73482
21269.0272	17248.3839	3314.45517	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
143533.224	97769.2717	28470.865	24500.01	16144.8522	22770.4477	48483.9102	23787.006	24120.1729	1062.71637	1383.73482
253.41	224.93	196.52	185.45	135.13	159.2	287.44	200.01	99.75	155.48	124.68
93621.7955	65969.8563	22783.0497	21084.256	7614.15628	9322.01003	15808.9366	12219.7975	16850.5099	562.663289	1203.40652
110170.672	79879.3129	25735.8533	23437.778	8652.11588	11395.2417	18758.5512	14684.3677	20819.1561	606.495331	1282.51433
38.566682	39.524063	37.159616	34.120771	10.109108	15.464102	23.90254	18.908022	21.356515	3.915963	8.290366
2004.95907	1422.37415	472.829308	432.41499	176.313749	200.044435	335.393668	256.133229	377.193405	13.331307	23.268174
49.858022	49.808936	50.486791	48.265414	44.206684	47.694827	47.794758	47.743629	45.870299	44.026582	55.59086
37.863581	35.802937	15.631427	7.718435	14.92685	21.355096	36.715523	21.407859	11.464588	2.633725	2.724754
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
6.355833	4.994261	1.40128	1.175104	0.804607	1.096956	2.021792	1.110638	1.134322	0.056862	0.064779
21269.0272	17248.3839	3314.45517	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
21269.0272	17248.3839	3314.45517	2495.7535	1890.28315	3977.9705	7853.76319	3791.85427	4585.33478	72.275634	77.230908
588.220926	335.60585	52.650691	18.825005	151.96625	203.635564	521.846331	161.46677	58.386594	9.868692	1.671825
28642.4012	14551.0315	2373.36009	919.99998	6640.4128	9470.46716	24821.2104	7775.35422	2684.32824	427.777448	103.097385
27.46	17.33	6.73	6.96	4.26	3.31	7.36	4.43	4.41	0.33	0.42
-21269.027	-17248.384	-3314.4552	-2495.7535	-1890.2831	-3977.9705	-7853.7632	-3791.8543	-4585.3348	-72.275634	-77.230908
-131439.7	-97127.697	-29050.308	-25933.532	-10542.399	-15373.212	-26612.314	-18476.222	-25404.491	-678.77097	-1359.7452
3.7	1.1	0.22	0.04	0.27	1.25	3.08	0.82	0.29	0.06	0.01
11502.6161	7378.3001	2010.8566	1527.3026	1099.2099	1574.1387	4167.3432	1846.8905	1581.21	82.8878	101.0953
0.88	0.6	0.28	0.2	0.17	0.16	0.27	0.1	0.14	0.01	0.05

363.748	248.01	115.738	82.67	70.2695	66.136	111.6045	41.335	57.869	4.1335	20.6675
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
101466.19	66419.9954	20899.8894	18365.815	11597.4532	15545.3428	33763.4913	16663.1287	16044.5987	803.491238	1089.30921
2593.18	1757.98	525.48	451.24	328.28	403.68	857.24	417.6	435.58	23.2	24.94
363.748	248.01	115.738	82.67	70.2695	66.136	111.6045	41.335	57.869	4.1335	20.6675
122264.197	80520.8878	25156.4098	22004.256	14254.5691	18792.4772	40630.147	19995.1517	19534.8381	990.440738	1306.50391
20434.2584	13852.8824	4140.7824	3555.7712	2586.8464	3180.9984	6755.0512	3290.688	3432.3704	182.816	196.5272
0.17	0.54	0.32								
10.830153	10.871923	11.023089	11.077446	11.271739	11.28162	11.17291	11.229019	11.244639	11.279593	11.211974
0.76503	0.718654	0.599153	0.569622	0.486235	0.476553	0.51778	0.49591	0.498804	0.454106	0.501128
0.742379	0.694818	0.577672	0.547258	0.473417	0.458407	0.500287	0.475559	0.480197	0.22396	0.480661
877849.113	682683.935	554818.239	442673.05	677079.122	570154.653	734711.408	608512.822	536217.356	268866.693	568306.7
3476.66952	2824.57093	2616.39669	2348.3981	3648.45352	2927.78792	3000.67513	2650.66736	2879.81737	1378.49646	2618.68554
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
0.029362	0.033977	0.035904	0.039765	0.027132	0.039076	0.034363	0.042819	0.037057	0.034485	0.041718
361356.879	293221.029	264821.469	257504.94	241071.95	210848.825	262793.746	222448.722	229278.331	114108.336	229311.935
382365.705	310883.084	282516.667	273891.09	255092.016	224375.525	279373.773	236932.706	242516.483	121412.985	243819.503
2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049	2.7049
594395.931	482319.271	435604.835	423569.87	396539.251	346825.233	432269.432	365905.902	377139.926	187696.802	377195.203
43958.22	37744.44	40237.5	40929.03	44059.23	39251.82	45446.73	39948.9	40935.69	22277.7	40845.78
107.740735	107.228522	107.3	106.58602	107.988308	106.662554	107.185683	106.247074	106.603359	54.602205	106.092935
45288	39072	41736	42624	45288	40848	47064	41736	42624	45288	42624
111	111	111.296	111	111	111	111	111	111	111	110.711688
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
31.03394	31.163162	31.585428	31.787647	32.319165	32.484646	32.059645	32.301935	32.395682	33.234356	32.270085
30.805695	30.915523	31.317902	31.468831	32.001934	32.020645	31.726738	31.877611	31.92774	32.013418	31.832082
1034302.82	840252.182	760583.674	739616.8	690301.379	607444.556	754608.146	640379.551	658850.747	335980.368	660238.899
1321009.56	984507.208	722974.784	655236.17	479376.561	436374.263	617041.847	499490.015	472155.284	239207.124	513165.536
286706.742	144255.026	-37608.89	-84380.631	-210924.82	-171070.29	-137566.3	-140889.54	-186695.46	-96773.244	-147073.36
1321009.56	984507.208	722974.784	655236.17	479376.561	436374.263	617041.847	499490.015	472155.284	239207.124	513165.536
396.02	340.04	362.5	368.73	396.93	353.62	409.43	359.9	368.79	200.7	367.98
149680.058	151511.807	199708.995	290010.72	6926.74677	29320.9033	12485.5678	24296.1788	114345.632	55558.6256	83644.4395
213926.67	206933.44	242785.475	333196.93	7705.26243	33116.5277	14353.3718	27551.9192	128436.19	58661.8001	92806.8971

27.417884	31.318881	44.95211	55.066401	10.282116	29.353029	17.517168	22.904012	35.454476	40.732262	37.699888
4991.0046	5027.24085	6576.79573	9514.689	231.690723	957.879727	410.037849	794.782892	3785.8469	1817.64046	2753.01346
27.981854	26.031982	23.261705	22.809928	18.612936	19.156889	20.725426	20.812369	18.587602	21.122983	21.585316
27.944599	25.955687	22.936256	21.718014	18.601775	19.065843	20.709103	20.763893	17.886492	20.742526	21.415053
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
82.404127	77.124823	64.292682	60.745739	52.549348	50.883239	55.531943	52.787079	53.301906	24.859647	53.214815
97825.5017	-9011.6057	-176031.07	-218978.46	-336933.13	-281280.97	-274928.59	-257163.48	-306539.25	-156417.67	-266934.71
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28629.8794	22120.6971	17532.9603	13811.675	21208.4433	17767.1523	23135.5062	19053.1591	16682.0851	8325.09554	17734.6905
877849.113	682683.935	554818.239	442673.05	677079.122	570154.653	734711.408	608512.822	536217.356	268866.693	568306.7
88.08	69.28	47.43	37.27	3.24	6.06	5.32	7.36	13.18	5.02	16.31
-286706.74	-144255.03	37608.8897	84380.631	210924.818	171070.294	137566.3	140889.535	186695.463	96773.2441	147073.363
-500633.41	-351188.47	-205176.59	-248816.3	203219.555	137953.766	123212.928	113337.616	58259.2723	38111.4441	54266.4664
211.99	181.89	221.07	204.41	365.64	310.03	365.83	312.91	276.73	146.21	288.16
								0.002604	0.487745	
97274.8387	79727.7653	74323.3398	67242.988	71663.1967	66881.1509	96611.5965	79495.1583	66496.9518	35870.1088	77025.7897
0.85	0.76	0.76	0.87	0.79	1	0.93	0.95	1.04	1.45	1.04
6773.65	6056.44	6056.44	6933.03	6295.51	7969	7411.17	7570.55	8287.76	11555.05	8287.76
1223184.06	993518.814	899005.856	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
1223184.06	993518.814	899005.856	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
976761.636	793202.355	718121.502	697460.96	651631.267	571200.758	711643.205	602838.608	619656.41	309109.787	621014.706
33620.884	27147.938	24109.756	23326.364	21440.134	18725.032	23545.544	19847.942	20467.932	10142.736	20487.704
6773.65	6056.44	6056.44	6933.03	6295.51	7969	7411.17	7570.55	8287.76	11555.05	8287.76
1223184.06	993518.814	899005.856	874214.63	816309.688	717655.237	891970.437	756653.497	778694.531	395624.795	780100.248
50767.5348	40993.3864	36405.7316	35222.81	32374.6023	28274.7983	35553.7714	29970.3924	30906.5773	15315.5314	30936.433
43.42	51.27	75.19	108.57	12.36	19.07	13.9	21.28	60.55	32.3	50.75

0.034705	0.028039	0.027074	0.036406	0.031519	0.031956	0.03125	0.026489	0.029062	0.026078	0.025182

1181.52	1026.39	1097.46	1110.06	1185.42	1068.72	1232.25	1098.12	1118.52	1192.08	1122.99
2.895882	2.91588	2.92656	2.890781	2.905441	2.90413	2.90625	2.920531	2.912812	2.921764	2.916857
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

11.340475	11.369255	11.494635	11.537873		11.760233	11.689337	11.701444	11.874783	11.681454	11.63146
0.812993	0.788621	0.707829	0.689107		0.578107	0.60611	0.611177	0.56989	0.622182	0.634278
0.776951	0.749429	0.674569	0.652163		0.28058	0.577121	0.580708	0.458588	0.598809	0.602559
334293.511	279547.364	272551.948	269880.42		113431.377	268397.908	239264.33	193454.815	267427.049	251941.843
1332.76526	1165.34021	1293.8045	1437.7229		541.916976	1094.68976	1044.46743	1067.366	1408.46209	1162.21403
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
0.044583	0.051477	0.047074	0.050703	0.048897	0.038097	0.048372	0.04851	0.041822	0.039044	0.048906
153085.274	127762.751	124579.931	123481.48		51952.544	122861.918	109570.689	88823.6033	122307.865	115331.019
162126.093	135891.346	132627.474	131231.02		55187.0637	130634.671	116399.311	93892.6627	130254.482	122551.266
2.0965	2.0965	2.0965	2.0965		2.0965	2.0965	2.0965	2.0965	2.0965	2.0965
158672.887	132426.091	129127.099	127988.55		53848.8118	127346.378	113570.019	92065.6648	126772.102	119540.601
16761.83	14356.84	15406.9	15634.37		7672.06	17350.07	15342.83	13254.32	16859.01	15663.61
41.082916	40.786477	41.085066	40.714505		20.847989	40.919976	40.805398	34.516458	41.321102	40.684701
17544	15136	16168	16512	17544	15824	18232	16168	16512	17544	16512
43	43	43.114666	43	43	43	43	43	43	43	42.888311
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
25.20788	25.29252	25.592565	25.670061		26.971315	26.053655	26.059835	27.039198	25.930709	25.92622
24.764634	24.819971	25.078476	25.173638		25.640348	25.48884	25.516418	25.887825	25.469306	25.368274
339654.044	284158.999	277675.986	274846.8		118949.572	273994.934	243994.212	201219.704	271802.189	257144.712
510608.258	390590.779	310979.957	289441.37		105293.67	266953.326	227325.099	168778.756	244397.033	242913.969
170954.214	106431.78	33303.9709	14594.568		-13655.902	-7041.6082	-16669.114	-32440.949	-27405.156	-14230.744
510608.258	390590.779	310979.957	289441.37		105293.67	266953.326	227325.099	168778.756	244397.033	242913.969
389.81	333.88	358.3	363.41		178.42	403.49	356.81	308.24	392.07	364.27

33.737945	28.854699	23.494341	23.09339	19.952318	23.06801	19.449455	14.901171	20.671033	20.79251
10.121383	7.213674	7.988076	7.389884	3.79094	5.997682	6.807309	5.662445	17.156957	6.653603
13630.84	11343.36	10906.44	10768.53	4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
33.408921	32.225454	29.08384	28.043046	12.064945	24.816226	24.970452	19.719296	25.748823	25.842779
90936.5414	39650.1903	-31813.959	-49949.202	-40811.496	-71261.533	-73941.713	-78869.046	-91335.477	-74514.267
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13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
334293.511	279547.364	272551.948	269880.42		113431.377	268397.908	239264.33	193454.815	267427.049	251941.843
-170954.21	-106431.78	-33303.971	-14594.568		13655.9017	7041.60817	16669.1135	32440.9486	27405.1558	14230.7437
-170954.21	-106431.78	-33303.971	-14594.568		13655.9017	7041.60817	16669.1135	32440.9486	27405.1558	14230.7437
3.72	1.83	3.56	3.26		2.08	3.5	3.91	3.89	32.82	4.33
			0.002604	1	0.497282		0.002659	0.164062		0.002604
94308.0948	76997.9725	72417.3895	65558.253		34538.1077	93723.6778	78396.1294	52288.9769	72056.3686	75349.9606
1.36	1.17	1.3	1.26		1.4	1.42	1.2	1.97	1.11	1.32
5360.53248	4611.63456	5124.0384	4966.3757		5518.1952	5597.02656	4729.8816	7764.88896	4375.14048	5202.86976
419671.717	350940.589	342793.917	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
419671.717	350940.589	342793.917	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
320798.98	268317.438	261754.572	259219.58		109035.876	257981.048	229969.329	185958.328	257026.584	242091.867
13630.84	11343.36	10906.44	10768.53		4439.9	10522.08	9388.89	7572.21	10505.52	9949.47
5360.53248	4611.63456	5124.0384	4966.3757		5518.1952	5597.02656	4729.8816	7764.88896	4375.14048	5202.86976
419671.717	350940.589	342793.917	339390.57		146105.166	338214.859	301266.811	247647.802	335732.51	317428.236
13494.5316	11229.9264	10797.3756	10660.845		4395.501	10416.8592	9295.0011	7496.4879	10400.4648	9849.9753

0.026151	0.033863	0.026755	0.025989	0.023946	0.043097	0.044787	0.027101	0.024244	0.039215	0.033281

1191.99	1020.24	1097.82	1122.06	1194.69	1056.42	1215.03	1097.43	1124.07	1176	1113.66
2.921544	2.898409	2.92752	2.922031	2.928161	2.870706	2.865636	2.918696	2.927265	2.882352	2.892623
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

9.411778	8.465061	4.767124	2.24	1.406952	3.246861	7.048445	3.375587	2.264507	0.14
0.028135	0.028833	0.003795	0.001716	0.002368	0.005663	0.008754	0.004458	0.006618	0.000019
0.026965	0.027818	0.003702	0.001625	0.002348	0.005614	0.008556	0.004377	0.006505	0.000019
1311.08801	1840.72074	113.192773	13.000031	27.178462	729.45015	2497.83968	271.159555	208.044586	
4.892752	7.395329	0.543594	0.062628	0.140037	3.106078	8.224406	0.987663	0.937356	

550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
0.033909	0.035781	0.025771	0.038177	0.024252	0.02379	0.032558	0.030093	0.024101	0.031348	0.027187
7744.9	6948	976.8	436.8	677.5	1463.3	2566.6	1165.1	1780.1	5.6	
27826.4424	24110.8903	3641.77894	1892.5203	2435.14441	5953.89922	10674.4519	4963.18671	6853.53181	21.174162	
2.538767	2.254336	1.289007	0.692909	0.372772	0.934118	2.075207	1.009911	0.636876	0.037811	
362.608075	592.726703	46.212126	2.956941	6.879216	175.716891	591.117904	61.232008	51.01707		
19656.2	16966.5	18356.3	18399.5	19940.5	18036.8	20482.6	18252.4	18701.7	19792.3	18695.4
48.17696	48.200284	48.950133	47.915364	48.873774	49.013043	48.308018	48.543617	48.702343	48.510539	48.55948
20400	17600	18800	19200	20400	18400	21200	18800	19200	20400	19200
50	50	50.133333	50	50	50	50	50	50	50	49.870129
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
45.440687	49.133343	22.214578	9.790103	7.838918	22.300141	49.191121	20.863165	16.45174	0.529354	
36.147113	32.141997	18.219429	9.790103	5.272238	13.197333	29.467294	14.271581	9.020199	0.529354	
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
31823.6262	29103.2195	3982.87716	2029.6561	2738.41444	6858.95116	12172.0958	5733.34442	8237.86075	23.474384	
3703.32278	4881.46122	322.158223	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
31823.6262	29103.2195	3982.87716	2029.6561	2738.41444	6858.95116	12172.0958	5733.34442	8237.86075	23.474384	
272.64	284.58	214.05	158.56	224.45	231.7	391.34	283.01	154.93	132.23	94.82
26809.2154	22381.0376	3547.52616	1897.5563	2428.25395	5230.89007	8227.01624	4705.90415	6657.35222	21.174162	
30317.7733	26820.6559	3853.10124	2015.7755	2710.50446	6016.88532	9352.84509	5447.90823	7991.22279	23.474384	
13.873025	12.995219	6.849996	6.359174	2.137191	4.908742	10.010296	5.102722	3.684486	0.4	
524.287197	447.513993	66.299133	30.988789	47.408627	90.79165	139.422361	77.926285	121.255923	0.4	
53.534765	51.288336	51.785545	65.152251	54.491926	56.208151	61.59762	62.223141	58.871061		
16.547513	12.822084	2.071421	1.291785	1.089838	6.744978	19.64962	7.396575	2.943553		
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
1.348284	1.390909	0.1856	0.08125	0.117401	0.280706	0.42783	0.218882	0.32526	0.00098	
3703.32278	4881.46122	322.158223	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
3703.32278	4881.46122	322.158223	119.09979	282.982027	898.610934	1447.23987	756.280713	1372.46394	2.300222	
25.812802	42.086006	3.300866	0.21121	0.491372	12.508349	41.977638	4.373714	3.644076		
1311.08801	1840.72074	113.192773	13.000031	27.178462	729.45015	2497.83968	271.159555	208.044586		
7.07	6.36	1.06	0.58	0.66	1.26	2.1	1.09	1.8		
-3703.3228	-4881.4612	-322.15822	-119.09979	-282.98203	-898.61093	-1447.2399	-756.28071	-1372.4639	-2.300222	
-34021.096	-31702.117	-4175.2595	-2134.8752	-2993.4865	-6915.4963	-10800.085	-6204.1889	-9363.6867	-25.774607	
0.26	0.16				0.04	0.39	0.04	0.02		
3827.0796	3551.3626	398.8127	155.1649	266.7297	688.3162	1478.0566	599.971	824.2153	1.7125	

0.56	0.14	0.04	0.04	0.03		0.08	0.02			
277.476	75.612	18.036	18.036	17.689		40.234	9.018			
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
27826.4424	24110.8903	3641.77894	1892.5203	2435.14441	5953.89922	10674.4519	4963.18671	6853.53181	21.174162	
550.1	489.6	69.6	31.2	47.9	103.3	181.4	82.3	124.9	0.4	
277.476	75.612	18.036	18.036	17.689		40.234	9.018			
28120.3034	24221.7583	3660.71894	1910.5563	2455.43241	5960.34022	10724.8559	4977.06371	6865.39681	21.174162	
16.385	35.256	0.904		2.599	6.441	10.17	4.859	11.865		
	0.08	0.08								

0.028995	0.028125	0.024015	0.027734	0.038431	0.032527	0.039433	0.0275	0.02151	0.025171	0.027708

1584.68	1368.4	1467.88	1493.4	1569.28	1424.12	1629.12	1462.64	1502.96	1590.92	1493.44
3.884019	3.8875	3.914346	3.889062	3.846274	3.869891	3.842264	3.89	3.913958	3.899313	3.879064
1632	1408	1504	1536	1632	1472	1696	1504	1536	1632	1536
4	4	4.010666	4	4	4	4	4	4	4	3.98961

10.255527	10.278262	10.371021	10.424883		10.634169	10.518639	10.570805	10.681961	10.556607	10.518131
0.679145	0.649858	0.53142	0.493915		0.353031	0.403611	0.385369	0.381198	0.396511	0.420973
0.641495	0.614333	0.502724	0.465552		0.183457	0.38201	0.364	0.359414	0.3718	0.398945
413214.634	343017.221	303377.547	277325.78		111300.196	265573.634	225251.332	223324.477	248017.879	250753.582
1646.30659	1429.6145	1431.21895	1470.8239		524.541399	1061.40253	964.95961	1196.97268	1297.20405	1148.99361
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
0.05875	0.055369	0.054441	0.057291	0.071911	0.055217	0.055518	0.058457	0.058229	0.062794	0.055208
155212.765	128604.261	113871.775	108189.44		41760.0981	99579.0993	84345.2154	85268.5146	93308.6643	93913.5587
164191.063	136729.895	121442.933	115345.75		44542.0788	105972.384	90080.3819	90017.9346	99680.0677	100261.666
2.6151	2.6151	2.6151	2.6151		2.615099	2.6151	2.6151	2.6151	2.6151	2.6151
241371.371	199992.486	177081.997	168245.4		64941.1285	154855.457	131165.244	132601.067	145104.304	146044.975
22504.158	19485.086	20834.058	21158.702		11135.172	23466.956	20745.572	21192.104	22407.468	21260.08

55.157249	55.355357	55.557487	55.100786		30.258619	55.346594	55.174393	55.18777	54.920264	55.220987
23908.8	20627.2	22033.6	22502.4	23908.8	21564.8	24846.4	22033.6	22502.4	23908.8	22502.4
58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
29.935042	30.060404	30.347112	30.517112		37.758576	31.261927	32.136401	32.740492	31.753944	31.108081
27.318974	27.374136	27.612486	27.757727		28.304487	28.001392	28.137246	28.436381	28.097194	28.000313
442375.663	366660.08	328559.055	312609.69		142572.658	293287.758	253685.078	252767.764	277658.353	273860.565
617053.855	470860.106	348861.634	312232.24		104571.829	272043.099	218873.692	207090.549	229389.107	242168.883
174678.193	104200.026	20302.5792	-377.44922		-38000.828	-21244.659	-34811.385	-45677.215	-48269.246	-31691.682
617053.855	470860.106	348861.634	312232.24		104571.829	272043.099	218873.692	207090.549	229389.107	242168.883
384.03	332.51	355.53	360.52		190.02	400.46	354.02	361.64	382.38	362.8
16.498184	41.153273	685.798127	11503.4		161.121843		4.418313	3338.36955	1211.14607	41.679327
24.189399	51.028218	792.238041	14163.662		174.948659		4.313059	3874.38397	1370.95711	47.679754
0.492605	0.788355	3.531015	10.690886		1.052282		0.145675	8.390835	5.553376	0.582214
0.51912	1.436974	25.068357	427.98611		5.713982		0.145675	126.15684	45.030559	1.487786
31.944351	29.800442	25.275139	24.691725		20.127755	20.132214	20.413067	19.354675	21.079534	22.71304
25.555481	22.648336	22.734903	23.581533		14.288155	16.105771	17.963499	18.879408	21.075053	19.077822
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24
37.591656	35.99996	29.538213	27.281375		10.750603	22.385811	21.330446	21.061692	21.787519	23.317506
93548.4804	36978.5785	-39218.198	-56928.071		-59828.831	-73294.654	-78898.63	-90247.068	-97041.685	-80780.299
93548.4804	36978.5785	-39218.198	-56928.071		-59828.831	-73294.654	-78898.63	-90247.068	-97041.685	-80780.299
15336.8769	12670.549	11051.7616	10048.062		3950.50802	9491.584	8020.10232	7961.53316	8844.27744	8975.75221
413214.634	343017.221	303377.547	277325.78		111300.196	265573.634	225251.332	223324.477	248017.879	250753.582
0.06	0.02	0.08	0.62		0.04			0.11	0.49	0.03
-174678.19	-104200.03	-20302.579	377.44922		38000.8282	21244.6589	34811.3855	45677.215	48269.2458	31691.6816
-174702.38	-104251.05	-21094.817	-13786.212		37825.8796	21244.6589	34807.0724	41802.831	46898.2887	31644.0019
15.49	16.55	19.25	19.74		11.82	20.14	22.72	20.87	184.79	23.82
			0.002604	1	0.453804					
87055.9476	71962.1938	67590.4372	61314.704		33868.8447	88010.7248	72385.3116	60881.3698	65758.9029	71293.9653
1.63	1.32	1.37	1.33		1.74	1.55	1.59	1.46	1.59	1.29
29144.5304	23601.7056	24495.7096	23780.506		31111.3392	27714.124	28429.3272	26104.9168	28429.3272	23065.3032
523505.375	433881.528	388079.832	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
523505.375	433881.528	388079.832	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
405562.434	336722.382	298524.931	283591.16		109483.207	260827.842	221245.626	222619.002	244784.372	246306.641
15337.396	12671.986	11076.83	10476.048		3956.222	9491.584	8020.248	8087.69	8889.308	8977.24

29144.5304	23601.7056	24495.7096	23780.506		31111.3392	27714.124	28429.3272	26104.9168	28429.3272	23065.3032
523505.375	433881.528	388079.832	369160.31		164400.661	345337.753	297772.322	297337.616	326430.792	322949.182
7668.698	6335.993	5538.415	5238.024		1978.111	4745.792	4010.124	4043.845	4444.654	4488.62
	0.03	0.37	1.8		0.09		0.01	0.36	3.63	0.04
7.5	7.65	3.15	0.75	0.75	3.15	6.45	3	2.1	0.15	
0.019485	0.024418	0.001882	0.000523	0.001783	0.004755	0.00668	0.003378	0.005437	0.000028	
0.019142	0.023352	0.001835	0.00052	0.00174	0.004646	0.006462	0.003324	0.00539	0.000024	
206.124909	261.932393				64.657723	334.852307	45.088203	35.324237		
0.759298	1.032481				0.274613	1.091706	0.159573	0.163905		
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
0.021102	0.027812	0.035159	0.040729	0.037205	0.022581	0.031462	0.033696	0.025468	0.032156	0.028802
1640.1	1726.2	144.9	42	149.1	359.1	575.4	262.5	434.7	2.1	
5758.67796	5869.21621	523.843576	180.28761	530.649984	1463.77935	2388.61067	1117.66924	1682.77895	7.94031	
1.835497	1.862086	0.776032	0.219339	0.182198	0.85936	1.773116	0.838194	0.562445	0.037811	
46.212228	84.226216				14.828568	79.268125	10.5	8.4		
5591.46	4790.94	5078.92	5157.04	5499.48	5035.66	5749.24	5086.62	5239.08	5528.32	5221.16
13.704558	13.610625	13.543786	13.429791	13.479117	13.683858	13.559528	13.528244	13.643437	13.549803	13.561454
5712	4928	5264	5376	5712	5152	5936	5264	5376	5712	5376
14	14	14.037333	14	14	14	14	14	14	14	13.963636
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
29.565089	28.657526	11.64049	3.29009	2.760761	12.984158	27.909252	12.57292	8.436684	0.567165	
29.565089	28.657526	11.64049	3.29009	2.760761	12.984158	27.909252	12.57292	8.436684	0.567165	
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
6571.39543	7059.3073	564.458481	188.86745	590.022614	1653.56006	2681.24301	1278.04745	1994.29485	8.239364	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
6571.39543	7059.3073	564.458481	188.86745	590.022614	1653.56006	2681.24301	1278.04745	1994.29485	8.239364	
162.85	162.78	110.57	89.04	138.89	137.8	207.99	145.53	89.69	71.67	48.96
5825.55305	5701.78381	523.843576	180.28761	541.149984	1409.62162	2106.25837	1072.58104	1647.45471	7.94031	
6359.96276	6740.74791	564.458481	188.86745	590.022614	1582.58788	2311.05784	1231.38348	1957.12876	8.239364	
6.81601	7.048541	2.94	0.7	0.7	2.922567	5.778744	2.66	1.82	0.14	
106.259184	109.464918	9.66	2.8	9.94	22.951428	33.075458	16.8	28.42	0.14	
64.139995	55.189935				63.953754	65.227298	69.087947	66.699332		
3.066364	4.967094				2.55815	9.784094	2.072638	1.333986		
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	

0.26799	0.326931	0.02576	0.007291	0.024362	0.065054	0.090471	0.046542	0.075468	0.000343	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
539.717466	1095.59109	40.614904	8.579834	48.87263	179.280717	240.132333	160.37821	311.515899	0.299053	
3.080815	5.615081				0.988571	5.284541	0.7	0.56		
206.124909	261.932393				64.657723	334.852307	45.088203	35.324237		
6.23	4.88	0.54	0.2	0.48	1.1	1.64	0.78	1.03	0.01	
-539.71747	-1095.5911	-40.614904	-8.579834	-48.87263	-179.28072	-240.13233	-160.37821	-311.5159	-0.299053	
-6899.6802	-7836.339	-605.07339	-197.44728	-638.89524	-1761.8686	-2551.1902	-1391.7617	-2268.6447	-8.538418	
0.12	0.12				0.04	0.22	0.04	0.04		
2013.0739	2000.6696	152.8232	39.2665	139.156	394.3852	777.0681	316.6052	438.3744	1.7125	
0.26	0.09			0.01	0.01	0.05				
273	94.5			10.5	10.5	52.5				
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
5758.67796	5869.21621	523.843576	180.28761	530.649984	1463.77935	2388.61067	1117.66924	1682.77895	7.94031	
109.34	115.08	9.66	2.8	9.94	23.94	38.36	17.5	28.98	0.14	
273	94.5			10.5	10.5	52.5				
6031.67796	5963.71621	523.843576	180.28761	541.149984	1474.27935	2441.11067	1117.66924	1682.77895	7.94031	
	0.08									

10.796981	10.839264	10.969233	11.024938	11.257679	11.251098	11.139839	11.196279	11.240547	11.199818	11.157991
0.45657	0.431253	0.351339	0.333741	0.207395	0.244044	0.298015	0.284792	0.275687	0.240946	0.291252
0.439599	0.414225	0.338317	0.319623	0.145725	0.204689	0.286772	0.273669	0.260468	0.197369	0.279778
1655516.87	1321902.21	1133234.29	990812.26	683746.714	805150.801	1296336.85	1081120.09	955924.345	784739.398	1071105.22
6569.6966	5486.43313	5352.64759	5261.5328	3682.60006	4040.04797	5251.81059	4690.35652	5157.05165	4086.21398	4930.32811
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
0.033897	0.035965	0.032562	0.037807	0.036082	0.034236	0.03674	0.034023	0.031389	0.034732	0.034498
703465.081	574820.655	509344.372	493904.89	244990.619	310186.129	496451.106	421725.6	409687.977	329951.086	438791.423
843734.172	679904.427	561652.586	540906.5	269655.264	347067.689	562807.382	466156.383	451007.99	352180.141	467721.745
2.604235	2.592416	2.549894	2.545802	2.71913	2.613011	2.566256	2.544513	2.570431	2.453929	2.526535
994440.189	814737.849	741813.931	719803.83	396539.251	465615.173	714471.267	610641.165	601806.658	459573.207	642780.779
5949.27321	3838.02442	542.128991	180.26967	1438.24933	2108.58884	5585.65663	1592.58752	609.360405	92.95321	15.746928
144299.343	124109.351	132976.558	135035.6	105190.8	113281.207	149765.741	132549.022	133034.839	122683.623	135347.66
353.67486	352.583383	354.604154	351.6552	257.820588	307.829366	353.221087	352.523994	346.444893	300.695154	351.552363
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4

367.099999	367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
197.47542	200.98892	153.109924	130.55005	57.827083	154.052374	202.434807	146.890871	135.478373	96.218775	97.783628
29.486896	29.42291	29.174344	29.271133	32.200406	30.754799	29.862361	29.70587	30.139935	28.502306	29.340576
1972748.71	1601777.62	1396159.69	1351168.4	707552.531	895193.882	1375686.95	1164148.72	1140921.23	886460.465	1192550.68
2630599.92	1979889.89	1415834.58	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
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2630599.92	1979889.89	1415834.58	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
1868.5	1688.29	1597.47	1525.71	901.8	1251.4	2100.15	1699.28	1393.28	1334.53	1363.51
275953.12	245605.638	227249.212	324676.22	17510.307	45444.5469	38627.779	42298.8798	142839.318	57361.5494	84889.5254
360799.267	320425.185	273731.126	373003.01	19657.9054	52286.1912	44775.8259	48919.8916	163078.082	60670.9663	94137.0912
14.434176	14.952897	14.611819	17.822872	5.073121	8.37278	9.60272	7.831879	10.627257	8.456933	11.643117
7627.02918	7008.03089	7150.65253	10408.879	465.3531	1277.38123	917.929338	1145.78808	4438.87307	1876.54232	2777.76942
35.2643	33.710415	26.236405	24.692911	22.728132	24.990809	31.488581	25.342861	20.699629	21.28029	22.382535
35.196727	33.662423	26.0947	24.170881	22.667312	24.913278	31.432155	25.28594	20.377552	21.14385	22.281576
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
161.376813	152.06234	124.527376	117.33381	53.49572	75.141505	105.274075	100.464042	95.617947	72.454176	102.43988
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58214.7108	46517.9131	39547.1135	34647.303	21360.9009	26374.6928	43718.2787	36628.6919	32278.4189	27684.7617	36661.5846
1655516.87	1321902.21	1133234.29	990812.26	683746.714	805150.801	1296336.85	1081120.09	955924.345	784739.398	1071105.22
128.9	97.87	55.84	45.63	8.64	11.77	16.42	13.66	20.53	5.85	16.76
-657851.22	-378112.27	-19674.889	67540.079	208702.68	217671.161	156311.431	187661.521	258544.312	172372.771	192918.558
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235.28	201.65	244.1	227.45	365.91	325.26	393.16	340.44	301.84	363.88	316.32
			0.000473	0.181818	0.086462		0.000241	0.015151	0.04434	0.000236
295981.651	241618.264	216893.659	195837.68	73168.2923	137944.943	284768.467	233040.066	182511.098	173771.693	223770.811
5.54	4.08	3.75	3.7	1	4.31	4.3	3.86	4.61	4.16	3.7
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
2322777.33	1889047.29	1659220.58	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17
2322777.33	1889047.29	1659220.58	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17
1838174.36	1494642.28	1303466.52	1260710.3	666194.514	812682.862	1277278.65	1076797.55	1052814.65	811753.348	1110502.52
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
2322777.33	1889047.29	1659220.58	1606860.6	833560.839	1054388.16	1629319.16	1381782.51	1351762.96	1058807.65	1421784.17

92381.4078	72447.4442	56883.2086	54677.45	34964.0477	37835.8497	57481.6438	46571.0645	45891.1456	30343.4662	45471.5555
43.59	52	75.96	110.37	12.36	19.16	13.9	21.29	60.91	35.93	50.79
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637
1532.06699	1310.4265	1310.37922	924.81603	2634.86951	2235.7245	3033.65656	2582.60495	1423.06143	2604.57573	2075.20844
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102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637
233.08	200.43	243.19	225.58	386.42	336.35	392.73	340.25	301.09	365.45	315.67
169.310121	164.629896	139.94379	117.3687	151.065388	170.877229	205.69913	192.624886	156.875162	151.289671	156.767596
68.349327	74.437857	61.005834	42.588891	74.168977	73.238912	99.468572	92.680944	60.839146	72.246382	75.035868
18220.7025	16197.2261	15287.1655	9919.4723	28803.8638	24805.3414	39306.0322	31790.2176	18768.343	26566.3838	23957.9831
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3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3950021	2994995.57	2328290.98	1929660.9	1946106.14	1926843.42	3095022.53	2492885.99	1658600.51	2145252.37	2313450.21
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3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
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388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637
1532.06699	1310.4265	1310.37922	924.81603	2634.86951	2235.7245	3033.65656	2582.60495	1423.06143	2604.57573	2075.20844
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233.08	200.43	243.19	225.58	386.42	336.35	392.73	340.25	301.09	365.45	315.67
169.310121	164.629896	139.94379	117.3687	151.065388	170.877229	205.69913	192.624886	156.875162	151.289671	156.767596
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18220.7025	16197.2261	15287.1655	9919.4723	28803.8638	24805.3414	39306.0322	31790.2176	18768.343	26566.3838	23957.9831
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3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3950021	2994995.57	2328290.98	1929660.9	1946106.14	1926843.42	3095022.53	2492885.99	1658600.51	2145252.37	2313450.21
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3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57

291391.794	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
1164.71334	1078.66395	1305.24486	1641.1377	1615.42768	1146.11976	835.161826	772.261027	1229.9207	1404.36703	1196.58382
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
305488.202	233763.166	200768.327	212054.75	163385.566	125243.728	124885.039	107330.646	122603.845	160769.696	164260.889
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
21.78894	21.163796	21.008271	23.026232	21.062623	17.190558	13.541323	13.335412	16.84571	18.747429	19.298196
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
8414.72295	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
291391.794	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
1978.19648	24516.4211	72365.4577	94499.937	134552.829	94083.0374	74173.5044	66508.7277	101667.815	104419.446	93330.4761
1978.19648	24516.4211	72365.4577	94499.937	134552.829	94083.0374	74173.5044	66508.7277	101667.815	104419.446	93330.4761
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574

307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
8889.88773	7449.65639	7878.10167	8842.0733	8593.55048	6326.12535	5741.52129	5014.11518	6468.75282	7648.95131	7429.80574
305488.202	233763.166	200768.327	212054.75	163385.566	125243.728	124885.039	107330.646	122603.845	160769.696	164260.889
-1978.1965	-24516.421	-72365.458	-94499.937	-134552.83	-94083.037	-74173.504	-66508.728	-101667.81	-104419.45	-93330.476
307466.399	258279.587	273133.785	306554.68	297938.395	219326.766	199058.543	173839.373	224271.66	265189.142	257591.365
287585.301	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
1149.50785	1064.36756	1288.20043	1617.9495	1593.65802	1133.40079	823.197147	761.310238	1214.64877	1387.0307	1181.01507
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
343265.685	262639.39	225585.136	238132.22	183532.911	140910.154	140256.159	120508.326	137848.178	180711.392	184579.164
38.957221	30.176488	20.955395	25.370734	18.809819	17.927783	23.646796	23.120983	17.825466	18.372051	14.502746
2.727005	2.112354	0.419107	3.044488	15.61215	9.322447	1.418807	1.618468	1.960801	3.67441	0.290054
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
24.484301	23.777845	23.606457	25.849211	23.658799	19.352631	15.198557	14.968577	18.940869	21.079305	21.686315
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
9455.64397	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
287585.301	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
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0.23	0.48	0.1	0.55	21.09	11.81	0.52	0.61	0.72	2.34	0.13
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
9989.59517	8369.80178	8852.42138	9926.0972	9652.79005	7121.76843	6444.18852	5628.18511	7273.29399	8600.35645	8349.2315
343265.685	262639.39	225585.136	238132.22	183532.911	140910.154	140256.159	120508.326	137848.178	180711.392	184579.164
39659.1791	7778.92615	-43971.095	-64117.439	-110394.55	-75947.695	-55969.381	-50869.911	-83623.624	-81169.461	-69654.935
303606.506	254860.464	269556.231	302249.66	293927.457	216857.849	196225.54	171378.237	221471.802	261880.854	254234.099
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
767.375605	732.59014	904.471907	1157.0115	943.378408	1011.27181	914.805166	836.301061	848.270493	713.125619	673.569436

3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
127862.284	106107.231	93254.438	97979.769	63672.2114	74442.1884	91883.7293	78577.365	56483.187	53583.5115	61423.8207

3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
9.205943	9.721357	9.852587	10.945563	8.331808	10.286699	10.051028	9.80397	7.83457	6.412051	7.335974
-64558.869	-69197.625	-96026.086	-117344.86	-110477.91	-119489.25	-126439.9	-110271.41	-97640.982	-80440.166	-83267.636
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3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
64558.8685	69197.6249	96026.0859	117344.86	110477.909	119489.251	126439.897	110271.411	97640.9825	80440.1657	83267.636
64558.8685	69197.6249	96026.0859	117344.86	110477.909	119489.251	126439.897	110271.411	97640.9825	80440.1657	83267.636

102562.454	84714.4167	79264.0977	72141.289	69480.6131	70489.3446	102757.471	85797.5231	71335.9096	71391.7195	83149.1509
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457
3756.02484	3421.91795	3694.72036	4203.0965	3399.37772	3785.50535	4261.63628	3686.29272	3008.47491	2616.11707	2824.35012
127862.284	106107.231	93254.438	97979.769	63672.2114	74442.1884	91883.7293	78577.365	56483.187	53583.5115	61423.8207
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192421.153	175304.856	189280.524	215324.63	174150.121	193931.439	218323.627	188848.776	154124.17	134023.677	144691.457

321787.694	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
1295.82767	828.673999	1378.54437	1770.9899	1473.43679	1354.27265	994.124859	972.143379	1397.76965	1723.03292	1309.62068
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
158416.088	85878.918	100247.198	107614.86	70862.7014	68140.7792	67126.211	62445.8571	66197.6697	92708.4525	85403.0824
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
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4500.64863	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
321787.694	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
181557.953	111421.345	186240.121	221701.38	200299.665	188823.734	167940.941	155752.615	186955.629	230560.606	195476.972

181557.953	111421.345	186240.121	221701.38	200299.665	188823.734	167940.941	155752.615	186955.629	230560.606	195476.972
102562.454	84714.4167	79129.218	72141.289	75546.6594	71865.9664	101175.968	85797.5231	71098.2881	77635.2879	83149.1509
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
4758.49445	2757.90136	4004.57532	4603.2463	3790.36017	3591.89982	3285.81426	3050.02058	3538.62593	4518.71761	3926.19589
158416.088	85878.918	100247.198	107614.86	70862.7014	68140.7792	67126.211	62445.8571	66197.6697	92708.4525	85403.0824
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339974.041	197300.263	286487.319	329316.24	271162.367	256964.513	235067.152	218198.472	253153.299	323269.058	280880.054
1093185.94	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
4377.42447	3704.29565	4876.46157	6187.0887	5625.90091	4645.065	3567.289	3342.01571	4690.60962	5227.55627	4360.78901
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
935032.26	688388.706	619855.099	655781.6	481453.39	408736.85	424151.138	368862.193	383132.88	487773.053	495666.955
38.957221	30.176488	20.955395	25.370734	18.809819	17.927783	23.646796	23.120983	17.825466	18.372051	14.502746
2.727005	2.112354	0.419107	3.044488	15.61215	9.322447	1.418807	1.618468	1.960801	3.67441	0.290054
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
67.142162	62.497947	65.146183	71.808628	62.343329	56.590486	46.540472	46.219717	52.836321	57.314074	58.518398
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26127.0404	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
1093185.94	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
208435.839	197356.465	398602.759	497663.62	555724.95	478343.717	424523.724	383402.665	469888.051	496589.678	441730.019
208435.839	197356.465	398602.759	497663.62	555724.95	478343.717	424523.724	383402.665	469888.051	496589.678	441730.019
0.23	0.48	0.1	0.55	21.09	11.81	0.52	0.61	0.72	2.34	0.13
410249.815	338857.667	316921.511	288565.15	296228.959	286365.977	409448.381	343190.092	285106.017	304297.583	332596.604
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
935032.26	688388.706	619855.099	655781.6	481453.39	408736.85	424151.138	368862.193	383132.88	487773.053	495666.955

-208435.84	-197356.47	-398602.76	-497663.62	-555724.95	-478343.72	-424523.72	-383402.66	-469888.05	-496589.68	-441730.02
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
10.796981	10.839264	10.969233	11.024938	11.257679	11.251098	11.139839	11.196279	11.240547	11.199818	11.157991
0.45657	0.431253	0.351339	0.333741	0.207395	0.244044	0.298015	0.284792	0.275687	0.240946	0.291252
0.439599	0.414225	0.338317	0.319623	0.145725	0.204689	0.286772	0.273669	0.260468	0.197369	0.279778
3561219.12	2676457.29	2050312.79	1753457.8	1454831.85	1483247.7	2351711.99	1898978.92	1384312.09	1648305.95	1862028.57
3137504.69	2526185.65	2429670.34	2320460.6	2212199.34	2135827.09	2888322.26	2427292.01	2083233.7	2266048.55	2459923.83
12479.1881	10501.1553	11539.4884	12373.437	11943.3705	10920.8375	11852.7562	10614.9772	11270.7227	11918.346	11366.3256
-9326.7115	-9189.1952	-8136.513	489.40663	-28338.511	-23527.96	-38388.103	-30644.43	-14329.47	-24689.841	-21180.214
3535446.79	3050189.39	3258156.85	3327479.3	3535446.79	3188834.36	3674091.76	3258156.85	3327479.33	3535446.79	3327479.33
0.033897	0.035965	0.032562	0.037807	0.036082	0.034236	0.03674	0.034023	0.031389	0.034732	0.034498
703465.081	574820.655	509344.372	493904.89	244990.619	310186.129	496451.106	421725.6	409687.977	329951.086	438791.423
843734.172	679904.427	561652.586	540906.5	269655.264	347067.689	562807.382	466156.383	451007.99	352180.141	467721.745
2.604235	2.592416	2.549894	2.545802	2.71913	2.613011	2.566256	2.544513	2.570431	2.453929	2.526535
994440.189	814737.849	741813.931	719803.83	396539.251	465615.173	714471.267	610641.165	601806.658	459573.207	642780.779
5949.27321	3838.02442	542.128991	180.26967	1438.24933	2108.58884	5585.65663	1592.58752	609.360405	92.95321	15.746928
144299.343	124109.351	132976.558	135035.6	105190.8	113281.207	149765.741	132549.022	133034.839	122683.623	135347.66
353.67486	352.583383	354.604154	351.6552	257.820588	307.829366	353.221087	352.523994	346.444893	300.695154	351.552363
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.078933	367.1	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
65841.74	53525.944	46697.766	45056.182	21826.254	27652.074	44636.208	37774.48	36717.292	29561.304	39439.354
197.47542	200.98892	153.109924	130.55005	57.827083	154.052374	202.434807	146.890871	135.478373	96.218775	97.783628
29.486896	29.42291	29.174344	29.271133	32.200406	30.754799	29.862361	29.70587	30.139935	28.502306	29.340576
1972748.71	1601777.62	1396159.69	1351168.4	707552.531	895193.882	1375686.95	1164148.72	1140921.23	886460.465	1192550.68
2630599.92	1979889.89	1415834.58	1283628.3	498849.851	677522.721	1219375.52	976487.204	882376.917	714087.694	999632.122
102562.454	84714.4167	79264.0977	72141.289	75600.8431	72005.3331	102757.471	85797.5231	71335.9096	77635.2879	83149.1509
657851.217	378112.269	19674.8887	-67540.079	-208702.68	-217671.16	-156311.43	-187661.52	-258544.31	-172372.77	-192918.56
3565632.18	2668278.6	2035689.68	1939409.9	980303.241	1086259.57	1643526.66	1345349.4	1265509.8	1201860.75	1495299.08
1868.5	1688.29	1597.47	1525.71	901.8	1251.4	2100.15	1699.28	1393.28	1334.53	1363.51
275953.12	245605.638	227249.212	324676.22	17510.307	45444.5469	38627.779	42298.8798	142839.318	57361.5494	84889.5254
26.872681	24.838906	20.867364	19.885087	16.498401	17.058698	18.481643	18.180803	16.45288	17.838929	18.626379
388801.879	318538.278	277978.191	176203.08	491274.289	443595.718	743310.543	593907.065	274288.422	496946.418	451421.637

233.08	200.43	243.19	225.58	386.42	336.35	392.73	340.25	301.09	365.45	315.67
169.310121	164.629896	139.94379	117.3687	151.065388	170.877229	205.69913	192.624886	156.875162	151.289671	156.767596
5.695777	6.203154	5.083819	3.871717	7.416897	6.103242	8.289047	7.723412	5.069928	6.567852	8.337318
18,220.70	16,197.23	15,287.17	9,919.47	28,803.86	24,805.34	39,306.03	31,790.22	18,768.34	26,566.38	23,957.98
360799.267	320425.185	273731.126	373003.01	19657.9054	52286.1912	44775.8259	48919.8916	163078.082	60670.9663	94137.0912
8.419936	8.722523	8.523561	9.721566	2.53656	4.884122	5.601587	4.568596	6.199233	4.612872	5.174718
7,627.03	7,008.03	7,150.65	10,408.88	465.35	1,277.38	917.93	1,145.79	4,438.87	1,876.54	2,777.77
35.290743	33.715991	26.214459	24.644614	21.791538	24.044956	31.435918	25.283926	20.592081	21.117403	22.33283
35.224402	33.668547	26.073866	24.143347	21.749956	23.983847	31.38129	25.229637	20.279176	20.98732	22.232334
-9326.7115	-9189.1952	-8136.513	489.40663	-28338.511	-23527.96	-38388.103	-30644.43	-14329.47	-24689.841	-21180.214
-22.859587	-26.105668	-21.697367	1.274496	-69.457134	-63.934674	-90.537978	-81.501142	-37.316328	-60.514317	-55.013541
-6997279.2	-5833160.5	-5950458.4	-5901833.1	-5880714.6	-5527291.2	-6860271.1	-5945833.7	-5651065.5	-6025062.4	-6053390
-68.242197	-68.874299	-75.091856	-81.828028	-77.796419	-76.79684	-66.815723	-69.340572	-79.251824	-77.621054	-72.821598
-6997279.2	-5833160.5	-5950458.4	-5901833.1	-5880714.6	-5527291.2	-6860271.1	-5945833.7	-5651065.5	-6025062.4	-6053390
84341.7512	68517.1906	63976.9322	62221.816	46796.9793	47199.9917	63451.439	54007.3055	52567.5666	51068.9041	59191.1678
2748702.81	2207647.38	2151692.15	2144257.5	1720925.05	1692231.37	2145011.71	1833384.94	1808945.28	1769102.13	2008502.2
6647250.54	5545890.87	5687397.51	5646140.9	5754706.27	5368096.94	6606638.91	5728199.96	5440223.78	5852715.19	5824156.48
6675253.15	5544003.97	5691644.57	5449340.9	6226322.65	5759406.47	7305173.63	6273187.13	5551434.12	6288990.65	6181441.03
			0.000473	0.181818	0.086462		0.000241	0.015151	0.04434	0.000236
808793.919	665190.347	613079.268	556544.12	444998.094	496316.254	796974.32	662027.682	538953.025	555704.564	639516.565
5.54	4.08	3.75	3.7	1	4.31	4.3	3.86	4.61	4.16	3.7
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
10562911.3	8501439.14	7986148.07	7841243	6861017.82	6613550.79	8503797.78	7291183.14	6916575.31	7226923.13	7548689.05
7027464.55	5451249.75	4727991.22	4513763.7	3325571.03	3424716.43	4829706.01	4033026.3	3589095.98	3691476.34	4221209.72
1838174.36	1494642.28	1303466.52	1260710.3	666194.514	812682.862	1277278.65	1076797.55	1052814.65	811753.348	1110502.52
93235.7422	75525.2215	71127.5847	72630.695	47262.3324	48477.3729	64369.3683	55153.0936	57006.4396	52945.4464	61968.9372
42192.9369	34687.9022	35809.962	35780.618	6393.9685	44675.1704	40926.6591	40780.1118	42215.4348	44363.6512	36576.6005
7027464.55	5451249.75	4727991.22	4513763.7	3325571.03	3424716.43	4829706.01	4033026.3	3589095.98	3691476.34	4221209.72
92381.4078	72447.4442	56883.2086	54677.45	34964.0477	37835.8497	57481.6438	46571.0645	45891.1456	30343.4662	45471.5555
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975
27394.0022	21999.2775	24429.8187	27574.513	25436.0784	20825.2989	19733.1603	17378.6136	20289.1476	23384.1424	22529.5832
935032.26	688388.706	619855.099	655781.6	481453.39	408736.85	424151.138	368862.193	383132.88	487773.053	495666.955
-208435.84	-197356.47	-398602.76	-497663.62	-555724.95	-478343.72	-424523.72	-383402.66	-469888.05	-496589.68	-441730.02
1143468.1	885745.171	1018457.86	1153445.2	1037178.34	887080.567	848674.862	752264.858	853020.931	984362.731	937396.975

2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
-3396975.1	-3464737.9	-3111193.2	-3323320	-3535446.8	-3464737.9	-3252611	-3747573.6	-3323320	-3535446.8	-3464737.9
-3396975.1	-3464737.9	-3111193.2	-3323320	-3535446.8	-3464737.9	-3252611	-3747573.6	-3323320	-3535446.8	-3464737.9
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86
3396975.13	3464737.86	3111193.18	3323319.98	3535446.79	3464737.86	3252611.05	3747573.6	3323319.98	3535446.79	3464737.86

23.233704	36.684514	33.454477	27.194486	25.684521	20.314479	21.21456	23.484499	23.00457	20.244427	22.454598
21.532098	21.962864	21.962924	21.962884	21.962803	21.962823	21.962864	21.962964	21.962783	21.962844	21.962844
23.106261	36.560805	33.330783	27.070789	25.560809	20.190784	21.090833	23.360796	22.880838	20.120753	22.330855
23.204294	36.655966	33.425932	27.165941	25.655973	20.285934	21.186008	23.455952	22.976016	20.215887	22.426042
22.46905	35.94226	32.712313	26.4523	24.942249	19.57231	20.472193	22.742282	22.26218	19.502385	21.71214
22.753344	36.218226	32.988246	26.728241	25.218222	19.848245	20.748202	23.018234	22.538197	19.778272	21.988182
23.184687	36.636934	33.406902	27.14691	25.63694	20.266904	21.166973	23.436921	22.956981	20.19686	22.407004
23.2239	36.674998	33.444962	27.184971	25.675005	20.304964	21.205043	23.474983	22.995052	20.234914	22.445079

19.839924	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722	20.236722
1.06	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
22.92	36.38	33.15	26.89	25.38	20.01	20.91	23.18	22.7	19.94	22.15
5.30528	5.524286	5.553059	4.975592	4.517026	4.251575	4.267356	4.302955	4.292044	4.277658	4.338763
19.319378	28.380631	26.229693	22.008236	20.963356	17.361228	17.962563	19.478859	19.157948	17.316727	18.795186
19.319378	28.380631	26.229693	22.008236	20.963356	17.361228	17.962563	19.478859	19.157948	17.316727	18.795186
0.023214	0.027857	0.039545	0.033803	0.036825	0.032831	0.032364	0.024693	0.030824	0.028725	0.023367
8615.25	8574.3	7606.8	8174.025	8668.575	8530.425	8012.025	9304.425	8199.225	8741.475	8613.9
21.977678	21.873214	21.610227	21.7974	21.671437	21.761288	21.771807	21.944398	21.806449	21.853687	21.974234
8820	8820	7920	8460	9000	8820	8280	9540	8460	9000	8820
22.5	22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5

		0.72	1.12		7.24	5.06	1.9	0.08	15.35	
0.28257	7.629389	7.629389	6.970059	6.593299	2.16637	3.67341	6.499109	4.23855	3.7676	1.13028
0.000165	0.099789	0.083348	0.025398	0.025816	0.013095	0.019553	0.038614	0.023881	0.01866	0.002
0.000153	0.097193	0.080823	0.024707	0.02495	0.012755	0.01894	0.037688	0.023271	0.0182	0.001938
81.337573	31438.6774	17879.1117	1984.15724	1370.571	3582.76662	3645.58973	29604.7012	11635.0828	7563.78699	1844.21412
0.282601	118.144381	70.4377	8.3342	6.763536	18.080776	14.624431	101.390142	41.684908	33.760139	8.732483
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08

0.023418	0.02352	0.03463	0.031037	0.0297	0.027729	0.033369	0.031344	0.030771	0.0292	0.030484
32.77812	20814.1062	15542.2919	5075.14558	5452.09396	2731.51	3807.72494	8729.90596	4780.1425	3977.07856	415.18952
155.245772	89885.3977	66000.2762	23613.7705	25096.6623	11451.6355	17099.5868	39197.8465	21686.4554	17436.7568	1800.21746
0.140291	3.531081	3.604337	3.355346	3.151834	0.954021	1.729943	3.022513	1.990669	1.753841	0.526712
14.417818	6139.41999	3438.6353	375.945822	250.634135	713.320118	670.662493	5515.16488	2145.20352	1447.18289	352.833496
22203.56	22201.24	19708.98	21131.14	22510.96	22105.54	20631.76	23821.18	21136.94	22522.56	22042.9
56.641734	56.635816	55.99142	56.349706	56.2774	56.391683	56.064565	56.182028	56.215265	56.3064	56.231887
22736	22736	20416	21808	23200	22736	21344	24592	21808	23200	22736
58	58	58	58.154666	58	58	58	58	58	58	58
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
1.581563	39.984538	40.649105	37.68323	35.632607	10.900144	19.511999	34.165075	22.425435	19.889201	5.988133
1.581563	39.984538	40.649105	37.68323	35.632607	10.900144	19.511999	34.165075	22.425435	19.889201	5.988133
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
192.762886	124974.315	97520.5495	31880.6364	33833.249	16109.7067	24784.3768	57917.4572	31040.2424	25071.8426	2296.96452
5.961213	16946.8928	18067.9609	3871.51162	3947.79784	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
192.762886	124974.315	97520.5495	31880.6364	33833.249	16109.7067	24784.3768	57917.4572	31040.2424	25071.8426	2296.96452
137.93	275.41	246.35	223.83	194.61	94.46	130.99	249.12	181.69	120.09	149.77
105.464098	76588.7452	61573.4769	26024.9675	28514.8801	10221.5494	16729.544	17167.2058	14156.9693	13343.6692	331.487042
107.540355	88206.3278	75280.7653	29638.4353	32300.0121	11761.8302	20303.5963	21079.1784	16844.6559	15972.5319	345.135452
1.153656	38.042018	39.987976	39.996148	39.841643	11.015948	19.978416	20.137327	17.308939	16.818469	1.717891
1.949283	1557.98771	1285.02565	498.906439	552.230579	214.267956	333.056847	341.303862	279.74721	268.594932	6.620238
52.683413	51.042554	53.155536	53.24387	50.837346	48.324726	51.213202	51.321722	51.551838	50.366563	50.97935
1.580502	40.769619	39.320604	22.354635	12.694243	7.24642	16.378953	34.320463	21.619711	18.083606	6.08268
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
0.008877	5.637244	4.687784	1.436853	1.4471	0.739795	1.098532	2.185943	1.349734	1.0556	0.112448
5.961213	16946.8928	18067.9609	3871.51162	3947.79784	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
5.961213	16946.8928	18067.9609	3871.51162	3947.79784	2305.39072	4409.24299	11145.5501	5248.19033	4164.38637	121.263352
1.530716	651.812293	365.074349	39.91356	26.60942	75.732043	71.203152	585.536137	227.752789	153.645067	37.459761
81.337573	31438.6774	17879.1117	1984.15724	1370.571	3582.76662	3645.58973	29604.7012	11635.0828	7563.78699	1844.21412
0.05	24.09	15.38	7.31	8.15	3.57	4.53	6.52	4.78	4	0.4
-5.961213	-16946.893	-18067.961	-3871.5116	-3947.7978	-2305.3907	-4409.243	-11145.55	-5248.1903	-4164.3864	-121.26335
-113.50157	-105153.22	-93348.726	-33509.947	-36247.81	-14067.221	-24712.839	-32224.729	-22092.846	-20136.918	-466.3988
0.01	3.91	1.88	0.12	0.24	0.17	0.34	3.44	1.48	0.97	0.36
16.4871	9941.4672	7045.6748	2125.7563	2001.1561	986.901	1612.3818	4556.4742	2336.5959	1604.4886	160.6027
0.01	0.89	0.44	0.15	0.32	0.05	0.06	0.29	0.06	0.18	0.05

4.1335	375.2329	185.5084	63.2415	134.9152	21.0805	25.2966	122.2669	25.2966	75.8898	21.0805
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
155.245772	89885.3977	66000.2762	23613.7705	25096.6623	11451.6355	17099.5868	39197.8465	21686.4554	17436.7568	1800.21746
3.48	2209.8	1650.1	538.82	578.84	290	404.26	926.84	507.5	422.24	44.08
4.1335	375.2329	185.5084	63.2415	134.9152	21.0805	25.2966	122.2669	25.2966	75.8898	21.0805
186.801672	108027.423	79452.5886	28009.1248	29885.4511	13804.316	20375.1338	46771.907	25792.052	20907.4562	2175.70116
27.4224	17766.792	13266.804	4332.1128	4653.8736	2331.6	3250.2504	7451.7936	4080.3	3394.8096	354.4032
	0.33	0.47	0.24							
11.155972	10.789357	10.83556	10.994405	11.026068	11.243697	11.271309	11.162346	11.206498	11.224085	
0.530608	0.784768	0.73337	0.616985	0.59473	0.495925	0.483017	0.52175	0.509866	0.506994	
0.513224	0.758785	0.705107	0.597289	0.575438	0.477829	0.466706	0.501604	0.494393	0.377717	
680861.171	893353.249	725445.024	593706.93	485019.947	569349.679	557183.477	757140.252	649677.29	467711.097	
2672.6156	3475.67868	2943.45419	2739.41788	2515.94811	3030.05113	2817.62416	3037.59028	2767.83005	2411.18637	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
0.033826	0.034489	0.039517	0.033563	0.0326	0.038724	0.035027	0.03941	0.030718	0.04495	0.035204
248461.94	353916.887	296853.012	272969.253	280886.378	232996.354	214433.472	263092.001	230742.981	187403.082	
265305.897	385474.116	323457.923	298369.112	306864.98	252867.482	233860.437	287339.227	251753.405	203766.776	
2.7049	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	2.7866	
408695.046	600455.391	503640.821	463119.635	476551.828	395301.613	363807.829	446361.889	391478.541	317948.069	
42040.14	42011.28	37527.99	40335.18	42952.56	41827.02	39417.21	45209.19	40453.95	32992.53	
107.245255	107.171632	106.613607	107.56048	107.3814	106.701581	107.111983	106.625448	107.590292	82.481325	
43512	43512	39072	41736	44400	43512	40848	47064	41736	44400	43512
111	111	111	111.296	111	111	111	111	111	111	111
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
32.012208	31.869011	32.051909	32.472816	32.531461	33.364908	33.330101	33.046661	33.04742	33.328411	
31.676661	31.605768	31.735209	32.175323	32.262401	32.877481	32.947973	32.642506	32.766	32.821651	
714654.399	1044171.04	877328.577	806462.255	829346.638	689047.257	633691.82	778916.181	680372.799	554775.569	
585170.153	1353407.55	1047919.17	797192.329	767511.138	497733.789	470460.048	662013.846	552068.758	417139.516	
-129484.25	309236.518	170590.589	-9269.926	-61835.5	-191313.47	-163231.77	-116902.33	-128304.04	-137636.05	
585170.153	1353407.55	1047919.17	797192.329	767511.138	497733.789	470460.048	662013.846	552068.758	417139.516	
378.74	378.48	338.09	363.38	386.96	376.82	355.11	407.29	364.45	297.04	
26860.1986	143421.308	144080.674	206171.645	337743.011	110838.058	69843.3828	12916.409	25331.0293	79830.5521	
29370.7335	203939.09	196497.776	255183.481	398485.277	123894.546	80251.4216	14995.2574	28353.9241	90445.3343	

21.011166	27.249071	29.080272	42.509894	57.720324	39.298175	34.071528	17.836728	22.199943	32.792555	
881.754758	4628.49107	4657.86192	6618.36042	10796.3757	3572.61557	2234.75901	412.793912	806.21165	2574.39042	
22.851222	30.245081	27.704492	24.27463	23.617482	19.72888	20.370179	21.76434	21.85959	19.70441	
22.81856	30.209891	27.643268	23.988782	22.685301	19.283057	19.945434	21.74969	21.820787	19.262754	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
56.967877	84.225168	78.26696	66.475893	63.87362	53.039096	51.804407	55.678056	54.87768	41.92663	
-259355.3	124244.161	15425.5194	-151950.95	-208654.81	-313100.66	-275316.15	-254420.52	-248913.4	-235591.64	
-259355.3	124244.161	15425.5194	-151950.95	-208654.81	-313100.66	-275316.15	-254420.52	-248913.4	-235591.64	
21449.6532	28387.7749	22892.1081	18310.0996	14753.0723	17218.7104	16829.263	23194.7021	19827.7963	14196.2616	
680861.171	893353.249	725445.024	593706.93	485019.947	569349.679	557183.477	757140.252	649677.29	467711.097	
9.05	87.56	69.15	52.25	46.54	12.15	11.46	5.38	8.11	11.52	
129484.246	-309236.52	-170590.59	9269.92601	61835.5001	191313.468	163231.772	116902.334	128304.041	137636.053	
100113.513	-513175.61	-367088.36	-245913.55	-336649.78	67418.922	82980.3499	101907.077	99950.1168	47190.7192	
330.77	203.03	177.78	215.77	206.12	293.77	285.05	360.5	317.31	228.65	
									0.2225	1
93473.0013	94018.8859	80225.4579	76042.8346	72316.5097	68591.1437	68425.6539	97394.3363	82989.6279	55598.9941	
0.87	0.91	0.96	0.81	0.81	1.09	0.82	1.09	0.66	0.89	
6933.03	7396.48	7802.88	6583.68	6583.68	8859.52	6664.96	8859.52	5364.48	7233.92	
844525.455	1229163.39	1032493.65	949143.284	976165.948	810834.451	745776.196	916434.37	800982.155	652731.16	
844525.455	1229163.39	1032493.65	949143.284	976165.948	810834.451	745776.196	916434.37	800982.155	652731.16	
674000.943	985929.507	827098.743	761488.747	783416.808	648169.095	597668.266	733701.117	643231.947	521714.845	
22331.408	33016.266	27549.97	24928.46	25549.448	20791.326	19064.022	23607.496	20634.008	16770.652	
6933.03	7396.48	7802.88	6583.68	6583.68	8859.52	6664.96	8859.52	5364.48	7233.92	
844525.455	1229163.39	1032493.65	949143.284	976165.948	810834.451	745776.196	916434.37	800982.155	652731.16	
33720.4261	50845.0496	42426.9538	38389.8284	39346.1499	32018.642	29358.5939	36355.5438	31776.3723	25826.8041	
28.19	40.72	52.48	75.57	114.15	53.92	41.42	13.43	21.5	41.09	

0.028622	0.037346	0.025511	0.035638	0.02595	0.034617	0.024076	0.036014	0.02601	0.038675	0.015867

1142.34	1132.08	1029.06	1087.8	1168.86	1135.29	1077.42	1226.19	1098.66	1153.59	1157.34
2.914132	2.887959	2.923465	2.9008	2.92215	2.896147	2.927771	2.891957	2.921968	2.883975	2.952397
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

11.539651	11.270635	11.324442	11.463945	11.484942	11.801553	11.794446	11.667869	11.650763	11.873715	11.575881
0.663292	0.84305	0.80873	0.731784	0.71316	0.582429	0.586986	0.623606	0.63497	0.572007	0.656609
0.534672	0.808292	0.768685	0.700608	0.67842	0.383551	0.558326	0.59831	0.606414	0.438627	0.628509
226693.603	339660.491	290924.557	287167.746	296704.902	167952.263	230940.861	282871.416	253633.015	196596.823	272431.912
883.859667	1329.25031	1189.42348	1334.08021	1548.50419	894.484515	1163.92967	1135.77949	1083.7943	1068.39716	1413.00768
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
0.040127	0.04153	0.052045	0.042765	0.047025	0.052423	0.048152	0.041155	0.043271	0.04695	0.043647
103547.101	152423.258	130622.596	128901.937	133251.069	75613.5582	103724.125	126968.421	113815.027	88551.742	122258.264
110444.717	166128.681	142253.561	140609.284	145242.366	82160.9291	113288.922	138760.456	124425.16	96152.8	133576.608
2.0965	2.1391	2.1391	2.1391	2.1391	2.139099	2.1391	2.1391	2.1391	2.1391	2.1391
107326.57	159907.24	137036.166	135231.022	139793.696	79326.1839	108816.979	133202.57	119403.345	92899.6326	128261.144
13574.67	16155.96	14348.24	15476.56	16350.32	11087.12	15062.04	17481.65	15428.4	13176.92	16120.27
34.62926	41.214183	40.762045	41.270826	40.8758	28.283469	40.929456	41.230306	41.032978	32.9423	41.123137
16856	16856	15136	16168	17200	16856	15824	18232	16168	17200	16856
43	43	43	43.114666	43	43	43	43	43	43	43
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
26.112939	25.489056	25.72337	25.985878	26.014057	27.544938	26.757661	26.410844	26.37849	27.680758	26.288084
25.17209	25.110398	25.224161	25.523066	25.567137	26.255451	26.228057	25.955037	25.919765	26.411342	25.758669
234773.817	344283.95	295909.851	292032.429	301529.381	175591.021	235443.708	287535.079	257934.842	205200.476	277618.227
228582.114	532696.781	419655.85	340184.206	333112.164	148825.79	212294.122	293654.109	253384.11	174340.637	260761.147
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228582.114	532696.781	419655.85	340184.206	333112.164	148825.79	212294.122	293654.109	253384.11	174340.637	260761.147
315.69	375.72	333.68	359.92	379.81	257.84	350.28	406.55	358.8	306.44	374.89

23.178073	31.334227	31.561648	26.853301	23.613934	18.043627	18.558207	19.410211	20.591561	17.590547	21.813397
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9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
22.990918	34.756556	33.053494	30.206506	29.1721	16.492729	24.008043	25.727334	26.075824	18.860975	27.025918
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9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
226693.603	339660.491	290924.557	287167.746	296704.902	167952.263	230940.861	282871.416	253633.015	196596.823	272431.912
6191.70332	-188412.83	-123746	-48151.777	-31582.782	26765.2309	23149.5864	-6119.0299	4550.73233	30859.8398	16857.0799
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0.160714				0.0025	0.303571			0.002659	0.1975	
75823.5929	92887.8029	78395.1145	74715.4858	70401.0881	45186.7938	66776.4163	96878.4151	80952.2923	53051.2001	69521.3458
2.05	1.15	1.24	1.21	1.2	1.9	1.12	1.16	1.07	2.14	1.29
8080.2144	4623.45885	4985.29476	4864.68279	4824.4788	7638.7581	4502.84688	4663.66284	4301.82693	8603.65386	5186.31471
288897.886	423955.587	364186.282	359409.471	371179.715	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
288897.886	423955.587	364186.282	359409.471	371179.715	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
217771.287	326035.921	279289.727	275840.306	285036.062	161487.113	222105.901	271963.026	243828.505	189052.433	261837.752
9012.44	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
8080.2144	4623.45885	4985.29476	4864.68279	4824.4788	7638.7581	4502.84688	4663.66284	4301.82693	8603.65386	5186.31471
288897.886	423955.587	364186.282	359409.471	371179.715	215114.228	289660.308	353901.473	317425.957	251486.472	341522.621
8922.3156	13624.57	11634.83	11327.44	11668.84	6465.15	8834.96	10908.39	9804.51	7544.39	10594.16
0.025408	0.033112	0.028096	0.02617	0.026625	0.026913	0.036983	0.049504	0.021648	0.027075	0.037525
1146.12	1137.06	1026.33	1098.48	1168.05	1144.35	1063.17	1209.03	1103.58	1167.51	1131.87
2.923775	2.900663	2.91571	2.92928	2.920125	2.91926	2.889048	2.851485	2.935053	2.918775	2.887423
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

9.26629	9.74121	5.193558	4.062732	1.545227	3.247657	6.915892	4.226148	2.534573
0.021216	0.026511	0.003684	0.003393	0.002761	0.00517	0.012611	0.005623	0.00505
0.020642	0.025579	0.003553	0.003275	0.002637	0.004945	0.012136	0.005377	0.004975
2002.2233	1335.69826	24.968554	129.108158	17.37564	309.199849	3310.05633	756.10285	525.850124
7.477834	5.172184	0.114688	0.624941	0.084623	1.216375	10.914223	2.651759	2.381207

	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
0.027142	0.029489	0.034687	0.030305	0.033437	0.028227	0.026413	0.032122	0.028337	0.0281	0.027959
	5693.8	6380.2	941.2	917.9	727.7	1291.4	3646.9	1429.5	1407.1	
	21154.7791	24049.0374	3834.01033	4199.1294	3005.83706	5798.94275	16461.9268	6491.65187	6177.00218	
	2.540088	2.752882	1.474881	1.3297	0.467344	1.03308	2.162022	1.351331	0.798797	
	539.051744	386.210816	11.560877	27.412231	4.227265	67.154884	724.765264	165.528162	122.0811	
19094.4	19056.5	16907.9	18211.5	19293	19127	17893.3	20586.2	18245.5	19381.9	19093.4
48.710204	48.61352	48.033806	48.564	48.2325	48.793367	48.623097	48.552358	48.525265	48.45475	48.707653
19600	19600	17600	18800	20000	19600	18400	21200	18800	20000	19600
50	50	50	50.133333	50	50	50	50	50	50	50
	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
	45.292307	57.552122	25.748039	20.190992	8.690308	23.753994	53.809384	29.900675	19.005354	
	36.067391	39.263061	20.773158	18.687362	6.580949	14.608103	30.665912	19.170984	11.48359	
	21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
	23941.6119	28835.8195	4331.73375	4493.58867	3335.30616	6770.70103	19013.7855	7403.49	7013.73598	
	2601.85988	4679.63507	486.225426	280.317276	318.776096	960.48928	2479.88872	897.235134	822.130791	
	23941.6119	28835.8195	4331.73375	4493.58867	3335.30616	6770.70103	19013.7855	7403.49	7013.73598	
61.01	310.31	305.64	220	153.37	136.52	204.96	352.56	248.71	166.9	143.78
	19337.5288	22820.4862	3820.53977	4084.16324	2999.15442	5501.0119	13223.8405	5750.15202	5665.75506	
	21708.2625	27173.5285	4306.42824	4361.74244	3315.7355	6425.26444	15209.5457	6573.20314	6421.12906	
	13.241224	14.872182	7.748158	5.64033	2.340701	5.156893	9.739899	5.859709	3.96493	
	366.096303	423.057635	65.974223	63.541983	51.398052	86.246079	205.669366	89.276559	90.779921	
	55.027392	55.603927	46.124547	67.488838	59.927477	69.445374	65.000765	64.037742	62.326264	
	16.366027	14.457021	0.461245	1.349776	1.182253	3.472268	23.389642	12.807548	6.855889	
	404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
	1.032142	1.278977	0.178133	0.16375	0.131887	0.247282	0.606839	0.268882	0.24875	
	2601.85988	4679.63507	486.225426	280.317276	318.776096	960.48928	2479.88872	897.235134	822.130791	
	2601.85988	4679.63507	486.225426	280.317276	318.776096	960.48928	2479.88872	897.235134	822.130791	
	38.503696	27.142364	0.825776	1.958016	0.301947	4.75392	51.630633	11.82344	8.720078	
	2002.2233	1335.69826	24.968554	129.108158	17.37564	309.199849	3310.05633	756.10285	525.850124	
	5.29	6.07	0.96	1.21	0.65	1.27	3.23	1.28	1.28	
	-2601.8599	-4679.6351	-486.22543	-280.31728	-318.7761	-960.48928	-2479.8887	-897.23513	-822.13079	
	-24310.122	-31853.164	-4792.6537	-4642.0597	-3634.5116	-7385.7537	-17689.434	-7470.4383	-7243.2599	
	0.31	0.22		0.04		0.07	0.31	0.09	0.06	
	2836.1382	3287.5996	421.229	336.4342	275.1341	641.6388	2163.7479	779.4697	638.36	

0.35	0.15	0.02	0.03	0.02	0.01	0.11	0.02	0.02	
173.703	77.477	9.198	13.797	9.198	4.599	54.835	9.198	9.198	
21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
21154.7791	24049.0374	3834.01033	4199.1294	3005.83706	5798.94275	16461.9268	6491.65187	6177.00218	
404.6	450.2	66.8	65.5	51.7	91	257.3	101.1	99.5	
173.703	77.477	9.198	13.797	9.198	4.599	54.835	9.198	9.198	
21339.7521	24156.1844	3845.50833	4213.2714	3016.53006	5810.21175	16533.8968	6506.25487	6191.60518	
11.27	29.67	2.3	0.345	1.495	6.67	17.135	5.405	5.405	
0.09	0.1	0.03							

0.030025	0.022525	0.025625	0.01984	0.018625	0.032933	0.035	0.038301	0.029813	0.02655	0.032397

1520.92	1532.68	1371.92	1474.16	1570.2	1516.36	1420.48	1631.04	1459.16	1557.52	1517.2
3.879897	3.909897	3.8975	3.931093	3.9255	3.868265	3.86	3.846792	3.880744	3.8938	3.870408
1568	1568	1408	1504	1600	1568	1472	1696	1504	1600	1568
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0.454864	0.708501	0.669807	0.544735	0.519456	0.355722	0.357439	0.409554	0.389497	0.377723	0.407325
0.430796	0.669224	0.630858	0.515622	0.489849	0.254427	0.33888	0.389494	0.363493	0.355653	0.384177
274971.832	430442.109	365271.184	323413.435	317428.912	168340.971	214286.151	281567.489	233643.967	240834.511	255813.752
1074.98889	1682.58908	1491.78496	1496.20429	1649.16814	893.91986	1060.88046	1107.28983	986.592647	1260.24216	1319.29768
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
0.052551	0.059591	0.057613	0.055	0.057175	0.063698	0.05576	0.051132	0.068138	0.05775	0.060255
102832.84	155198.754	131832.451	116584.46	118283.643	61788.5057	77385.2806	101417.732	84173.9572	87932.898	92354.0191
110108.524	169320.212	143510.613	127624.688	129466.098	66762.7468	84506.2097	111097.928	92182.0722	95323.5835	101502.6
2.6151	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222	2.7222
159915.349	253315.407	215176.927	190289.156	193062.561	100851.199	126308.255	165534.021	137388.733	143524.076	150740.23
21764.04	21602.304	19438.792	20821.752	22044.734	16344.126	20362.328	23575.952	20532.268	22086.34	21587.068

55.52051	55.107918	55.22384	55.524671	55.111834	41.694198	55.332413	55.60366	54.607095	55.215849	55.069051
22971.2	22971.2	20627.2	22033.6	23440	22971.2	21564.8	24846.4	22033.6	23440	22971.2
58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
31.024322	30.890366	30.706856	31.353023	31.262737	37.270302	34.511759	32.30037	33.158915	33.491322	33.312252
27.854191	28.307092	28.39105	28.705491	28.767848	29.605082	29.544769	29.172287	29.292133	29.60822	29.163422
302149.554	457832.308	389033.072	349970.22	351728.741	207252.376	242627.515	307829.748	261741.453	267355.393	286835.766
274751.344	640820.604	502459.494	379974.785	363620.545	150614.484	200134.198	298908.856	232101.507	225424.148	240947.116
-27398.21	182988.296	113426.422	30004.5647	11891.8036	-56637.891	-42493.317	-8920.8926	-29639.946	-41931.245	-45888.65
274751.344	640820.604	502459.494	379974.785	363620.545	150614.484	200134.198	298908.856	232101.507	225424.148	240947.116
371.4	368.64	331.72	355.32	375.25	278.91	347.48	402.32	350.38	376.9	368.38
	33.679131	52.903391	294.525526	10955.5993	2253.66799	255.336142		11.458762	2264.76733	929.842455
	47.181772	71.736633	344.99373	13690.9492	2644.62152	279.364511		11.999576	2721.55528	1018.18729
	1.085969	1.571168	3.324512	10.421505	6.739028	3.211132		0.352257	6.751163	5.021809
	1.085969	1.701618	10.297077	392.452424	81.490993	9.025977		0.352257	82.531966	33.07305
22.624145	33.362259	32.685051	26.246986	25.507209	21.979297	21.529732	22.02616	22.92386	18.641416	22.406152
18.77804	30.693278	28.435884	24.124356	25.381741	20.578493	18.90733	18.281713	19.712826	18.623165	22.403561
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028
25.244688	39.21653	36.968295	30.296037	28.705155	14.909428	19.858391	22.824358	21.300691	20.84127	22.512826
-81148.935	101865.907	44517.6	-30934.133	-49935.056	-88934.743	-82942.603	-61931.941	-73637.673	-87893.771	-94162.096
-81148.935	101865.907	44517.6	-30934.133	-49935.056	-88934.743	-82942.603	-61931.941	-73637.673	-87893.771	-94162.096
9895.918	15371.794	13011.1384	11350.7169	11089.6096	5763.00501	7298.86202	9677.528	8008.70774	8253.97603	8791.95495
274971.832	430442.109	365271.184	323413.435	317428.912	168340.971	214286.151	281567.489	233643.967	240834.511	255813.752
	0.09	0.09	0.05	0.59	0.09	0.04			0.66	0.45
27398.2099	-182988.3	-113426.42	-30004.565	-11891.804	56637.8912	42493.3166	8920.89255	29639.9455	41931.2454	45888.6498
27398.2099	-183035.48	-113498.16	-30349.558	-25582.753	53993.2697	42213.9521	8920.89255	29627.946	39209.6901	44870.4626
20.67	18.37	19.71	20.06	17.33	15.65	18.15	25.5	17.43	90.76	324.6
				0.0025	0.242346					
84593.5294	84883.5703	72986.3973	68985.8749	65969.9871	46031.5081	62074.7486	90384.5172	73203.7902	64618.7657	63894.161
1.52	1.5	1.3	1.44	1.28	2.01	1.54	1.44	1.54	1.33	1.65
27177.7216	27356.52	23708.984	26262.2592	23344.2304	36657.7368	28086.0272	26262.2592	28086.0272	24256.1144	30092.172
355900.279	538954.697	457941.894	410908.917	413555.601	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
355900.279	538954.697	457941.894	410908.917	413555.601	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
270023.873	422635.619	358687.539	317913.844	322528.659	167613.946	210814.465	276631.95	229570.805	238847.66	252242.83
9895.918	15372.88	13012.84	11361.014	11482.062	5844.496	7307.888	9677.528	8009.06	8336.508	8825.028

27177.7216	27356.52	23708.984	26262.2592	23344.2304	36657.7368	28086.0272	26262.2592	28086.0272	24256.1144	30092.172
355900.279	538954.697	457941.894	410908.917	413555.601	239549.227	283076.801	360840.796	305739.18	313317.919	335109.212
4947.959	7840.1688	6636.5484	5794.11714	5855.85162	2980.69296	3727.02288	4935.53928	4084.6206	4251.61908	4500.76428
	0.05	0.04	0.2	1.6	0.5	0.14		0.04	1.66	4.15
	6.45	7.8	2.85	1.5	1.5	2.4	5.85	3.9	2.4	
	0.013352	0.021157	0.002281	0.00106	0.001955	0.004051	0.00982	0.004416	0.003856	
	0.013035	0.020568	0.002234	0.001025	0.001887	0.00394	0.009481	0.004281	0.003725	
	179.665922	302.767471				37.645236	288.659656	107.546706	47.427893	
	0.674643	1.169182				0.145226	0.959149	0.398241	0.204359	
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
0.021479	0.017627	0.027357	0.026675	0.0361	0.026658	0.027173	0.028443	0.037021	0.033225	0.040535
	1073.1	1520.4	176.4	86.1	155.4	304.5	844.2	338.1	312.9	
	3822.43837	5577.23013	749.3453	382.388032	637.680271	1361.19688	3824.04517	1549.40992	1373.10458	
	1.571929	2.022308	0.806021	0.444365	0.419327	0.715963	1.746748	1.166816	0.704936	
	42.852453	84.495147				8.4	62.621203	22.715773	8.4	
5370.12	5391.26	4793.18	5123.58	5397.84	5341.7	5012	5767.16	5069.12	5413.94	5265.54
13.699285	13.753214	13.616988	13.66288	13.4946	13.626785	13.619565	13.601792	13.481702	13.53485	13.4325
5488	5488	4928	5264	5600	5488	5152	5936	5264	5600	5488
14	14	14	14.037333	14	14	14	14	14	14	14
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	
	24.519078	31.407208	12.215318	6.665476	6.28991	10.846591	27.089612	17.502252	10.751135	
	24.519078	31.407208	12.215318	6.665476	6.28991	10.846591	27.089612	17.502252	10.751135	
	4000.93837	5650.73013	759.8453	382.388032	637.680271	1371.69688	3897.54517	1549.40992	1394.10458	
	4302.21283	6696.22734	843.174178	412.035776	694.922429	1577.74051	4351.50118	1753.56692	1534.16005	
	301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469	
	4302.21283	6696.22734	843.174178	412.035776	694.922429	1577.74051	4351.50118	1753.56692	1534.16005	
28.5	161.41	165.02	105.95	77.39	82.23	115.95	183.78	124.01	94.13	73.83
	3821.27245	5347.96266	759.8453	382.388032	637.680271	1334.05164	3608.88551	1441.86321	1346.67669	
	4129.59024	6337.94028	843.174178	412.035776	694.922429	1534.15309	4030.49472	1623.68071	1494.77325	
	5.86626	7.238126	2.66	1.4	1.4	2.24	5.385121	3.40134	2.24	
	68.683169	95.72699	11.76	5.74	10.36	19.74	52.105253	21.025615	20.3	
	61.580645	59.027477				73.423347	71.697638	72.41563	73.727102	
	5.542258	5.902747				0.734233	10.037669	5.069094	1.474542	
	71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86	

0.1825	0.287954	0.03136	0.01435	0.026428	0.055163	0.132735	0.059946	0.05215
301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469
301.274466	1045.49721	83.328878	29.647743	57.242158	206.043632	453.956013	204.157006	140.055469
2.85683	5.633009				0.56	4.174746	1.514384	0.56
179.665922	302.767471				37.645236	288.659656	107.546706	47.427893
4	4.49	0.64	0.38	0.61	0.85	2.4	1.09	0.99
-301.27447	-1045.4972	-83.328878	-29.647743	-57.242158	-206.04363	-453.95601	-204.15701	-140.05547
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0.18	0.13				0.02	0.17	0.06	0.04
1335.0637	1809.3734	196.5281	84.4551	146.6493	343.6582	1151.0721	434.5479	335.8991
0.17	0.07	0.01			0.01	0.07		0.02
178.5	73.5	10.5			10.5	73.5		21
4000.93837	5650.73013	759.8453	382.388032	637.680271	1371.69688	3897.54517	1549.40992	1394.10458
4000.93837	5650.73013	759.8453	382.388032	637.680271	1371.69688	3897.54517	1549.40992	1394.10458
3822.43837	5577.23013	749.3453	382.388032	637.680271	1361.19688	3824.04517	1549.40992	1373.10458
71.54	101.36	11.76	5.74	10.36	20.3	56.28	22.54	20.86
178.5	73.5	10.5			10.5	73.5		21
4000.93837	5650.73013	759.8453	382.388032	637.680271	1371.69688	3897.54517	1549.40992	1394.10458
0.04	0.03							

11.073446	10.745091	10.799164	10.946075	10.972791	11.242647	11.265868	11.138458	11.176301	11.225603	11.099802
0.302167	0.465902	0.439172	0.362565	0.349685	0.260839	0.274788	0.303233	0.294423	0.258794	0.201573
0.286604	0.449605	0.420984	0.349448	0.336083	0.232468	0.264428	0.291896	0.283118	0.226056	0.135252
1182607.94	1697076.42	1401158.34	1206297.24	1100653.44	909243.055	1006402.92	1354782.57	1149453	913279.496	530089.878
4631.74676	6613.81493	5701.4417	5578.15127	5721.00891	4836.62091	5058.42033	5393.92313	4882.9519	4776.1714	2741.03784
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
0.030269	0.032416	0.036301	0.033191	0.034318	0.035725	0.034612	0.036749	0.034081	0.03539	0.034109
454874.659	689119.906	582750.951	524648.395	538877.183	374013.027	400946.502	504699.16	435279.708	369584.801	215027.472
486014.384	835785.625	704848.64	594800.21	611251.624	416886.31	455915.295	596681.43	498088.155	420230.023	236879.425
2.545891	2.675361	2.673675	2.630136	2.63104	2.656095	2.625944	2.649947	2.626715	2.63681	2.390061
675936.965	1013678.04	855853.913	788639.812	809408.086	575478.996	598933.063	745098.481	648270.619	554371.778	279001.374
14.417818	6721.32419	3909.34126	387.506699	278.046366	717.547383	746.217377	6302.55135	2333.44746	1577.66399	352.833496
136471.56	138794.664	123759.192	132934.177	141125.099	128158.931	129951.733	149812.017	132726.803	128194.285	96529.488
348.141734	354.06802	351.588613	354.491138	352.812747	326.936048	353.129709	353.330228	352.996816	320.485712	246.248693
143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2

367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
90.731034	198.044357	218.090572	165.458305	152.297333	124.060513	148.712107	206.821951	162.413189	144.146185	65.58847
29.339893	30.115076	30.214059	30.021834	30.109575	31.171263	30.83736	30.814294	30.61431	30.834726	27.314737
1251764.57	1979655.41	1671531	1481079.38	1517085.87	1089349.18	1139320.09	1441484.36	1233896.81	1055824.6	566629.694
1088696.37	2680143.08	2103087.11	1554406.86	1502982.72	817313.999	916021.187	1335859.55	1077751.67	850524.038	504005.228
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1293.27	1869.97	1721.22	1629.52	1567.39	1234.02	1509.83	2003.52	1628.12	1376.85	1110.65
26965.6627	243202.533	233875.503	237071.523	381680.041	126950.11	93663.3265	46916.3407	46691.4726	102451.42	1261.3295
29478.2739	318030.452	305361.746	290316.512	449250.016	142311.655	108793.8	55314.4762	53407.4635	117055.324	1363.32274
5.541205	14.103681	15.374558	14.855267	17.237733	9.019222	9.973552	8.976996	7.854557	9.504578	2.246567
883.704041	6622.34422	6463.37381	7205.29816	11810.3407	3930.13257	2682.82791	1011.87239	1196.61329	3036.59724	39.693289
23.357422	37.428392	35.731384	28.588005	26.423698	21.731728	24.359223	32.157898	28.009251	22.70532	23.23946
23.33921	37.362742	35.707843	28.458541	25.973846	21.479361	24.167081	32.131971	27.981602	22.531594	23.226622
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
105.212362	165.050142	154.543465	128.624784	123.376075	85.339367	97.07182	107.155268	103.93276	82.985375	49.651193
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40359.542	58077.3118	47935.9262	41028.9958	37540.0893	29522.8994	33039.6021	44421.9616	37882.1047	30157.5528	19423.5747
1182607.94	1697076.42	1401158.34	1206297.24	1100653.44	909243.055	1006402.92	1354782.57	1149453	913279.496	530089.878
9.1	121.03	95.18	61.21	56.87	17.07	18.15	17.53	15.26	18.45	0.85
163068.198	-700487.67	-431556.1	-73327.482	14103.1514	272035.181	223298.899	105624.802	156145.136	205300.566	62624.4664
133589.924	-1018518.1	-736917.85	-363643.99	-435146.86	129723.525	114505.099	50310.3258	102737.673	88245.2423	61261.1436
354.42	229.43	203.2	238.47	226.99	311.93	308.02	392.76	339.19	336.81	381.86
0.01461				0.000454	0.049628			0.000241	0.038181	0.090909
253906.611	285902.928	243749.618	222487.709	211109.63	161218.13	199874.498	292528.563	240696.324	175847.708	133576.11
4.45	4.97	4.16	3.64	3.64	5.07	3.56	4.16	3.35	4.58	2.99
42195.0995	40103.8948	36833.6442	37793.5615	34901.1014	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672
1489510.42	2325441.79	1963881.33	1752076.15	1795382.37	1282956.43	1346070.35	1698379.99	1457995.01	1246028.72	678807.534
1489510.42	2325441.79	1963881.33	1752076.15	1795382.37	1282956.43	1346070.35	1698379.99	1457995.01	1246028.72	678807.534
1161951.35	1849463.66	1560702.55	1383440.02	1420659.71	992365.307	1054848.36	1341779.91	1146358.77	974601.801	515880.799
41243.246	64699.656	54399.3	48234.294	49350.43	33453.032	35722.43	45433.834	39078.718	33194.15	19463.268
42195.0995	40103.8948	36833.6442	37793.5615	34901.1014	53186.2934	39294.2297	40036.0439	37786.8287	40199.7761	35299.5672
1489510.42	2325441.79	1963881.33	1752076.15	1795382.37	1282956.43	1346070.35	1698379.99	1457995.01	1246028.72	678807.534

47618.1231	90087.8504	73994.8062	59845.7983	61525.0601	43797.58	45177.4972	59668.4017	49751.2079	41023.0278	15449.3275
28.19	41.23	53.12	76.04	115.75	54.42	41.56	13.43	21.54	42.75	4.15
2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387
2820.91927	1566.37968	1436.40867	1335.39504	954.966574	1713.18777	1693.73506	3190.25069	2677.92978	2068.28466	3541.99049
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99556.3937	100325.585	86402.8508	80956.0188	76780.3978	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387
353.64	227.22	201.53	237.77	225.05	319.23	307	392.21	338.41	337.87	386.36
194.540515	173.231761	170.417841	142.200631	117.187535	144.93432	162.810691	214.145826	193.251024	171.281973	164.270094
99.47019	66.417629	75.09064	62.524008	45.329226	60.851587	61.597276	102.124669	94.749785	71.512831	87.338863
35630.1208	16992.283	16370.0735	15403.3182	10490.6862	19663.4361	19244.4369	40347.7474	32367.1389	24521.5508	33835.3205
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2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
3048783.58	4103091.83	3251514.71	2512671.75	2164692.67	1824974.94	1939715.83	3331861.53	2690246.33	1961156.68	2400249.98
99556.3937	100325.585	86402.8508	80956.0188	76780.3978	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
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719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387
2820.91927	1566.37968	1436.40867	1335.39504	954.966574	1713.18777	1693.73506	3190.25069	2677.92978	2068.28466	3541.99049
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99556.3937	100325.585	86402.8508	80956.0188	76780.3978	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
719995.252	405618.374	355797.519	289528.835	185793.365	324932.247	347113.102	794473.512	630927.592	399049.308	693051.387
353.64	227.22	201.53	237.77	225.05	319.23	307	392.21	338.41	337.87	386.36
194.540515	173.231761	170.417841	142.200631	117.187535	144.93432	162.810691	214.145826	193.251024	171.281973	164.270094
99.47019	66.417629	75.09064	62.524008	45.329226	60.851587	61.597276	102.124669	94.749785	71.512831	87.338863

35630.1208	16992.283	16370.0735	15403.3182	10490.6862	19663.4361	19244.4369	40347.7474	32367.1389	24521.5508	33835.3205
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2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
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99556.3937	100325.585	86402.8508	80956.0188	76780.3978	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6
2328788.33	3697473.46	2895717.19	2223142.92	1978899.3	1500042.7	1592602.72	2537388.02	2059318.74	1562107.38	1707198.6

267040.394	292029.204	269129.943	284417.808	332376.813	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
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7721.97185	8580.29688	7461.32362	7885.1624	9214.77164	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
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89580.0795	-4228.138	20769.7239	71272.1126	97521.345	131569.976	95339.2149	74612.3975	67068.1388	107908.2	101055.777
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7721.97185	8580.29688	7461.32362	7885.1624	9214.77164	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449

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7721.97185	8580.29688	7461.32362	7885.1624	9214.77164	8272.72993	6318.35627	5749.52603	5030.86092	6740.66365	7352.26449
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267748.935	308825.547	269129.943	284417.808	332376.813	298397.368	227903.111	207385.404	181463.153	243135.738	265196.18
263597.588	287262.568	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
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8679.08182	9641.8954	8382.64281	8860.89151	10344.1154	9291.75416	7111.68219	6452.69589	5646.24777	7579.14509	8268.10495
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99556.3937	100325.585	86402.8508	80956.0188	76780.3978	73733.0749	73018.7408	104599.51	87774.5965	75825.5069	75809.4563
264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
8679.08182	9641.8954	8382.64281	8860.89151	10344.1154	9291.75416	7111.68219	6452.69589	5646.24777	7579.14509	8268.10495
264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
8679.08182	9641.8954	8382.64281	8860.89151	10344.1154	9291.75416	7111.68219	6452.69589	5646.24777	7579.14509	8268.10495
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264303.66	303887.207	264723.86	279826.954	326667.166	293433.596	224586.924	203776.136	178308.505	239349.402	261106.754
177955.136	186798.284	176782.486	191151.996	224617.594	168585.351	192298.222	221244.699	191477.008	161115.624	130754.506
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3473.6509	3646.26751	3450.761	3731.25114	4384.49334	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
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3473.6509	3646.26751	3450.761	3731.25114	4384.49334	3290.75445	3753.62526	4318.65506	3737.59532	3144.94679	2552.30345
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267197.181	322188.041	205479.733	296722.488	352441.717	270697.755	260397.622	242643.42	228103.883	269975.23	321030.538
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184012.443	174357.39	113898.224	189909.069	232242.392	197497.929	189714.609	170738.095	160081.92	197741.934	224526.671
98960.069	100325.585	84792.2281	80835.0233	76780.3978	73672.0655	72864.7092	103140.095	87774.5965	75825.5069	75809.4563
268114.278	340926.784	205479.733	296722.488	352441.717	270697.755	260397.622	242643.42	228103.883	269975.23	321030.538
268114.278	340926.784	205479.733	296722.488	352441.717	270697.755	260397.622	242643.42	228103.883	269975.23	321030.538
3747.43767	4655.51218	2802.12372	4046.39967	4806.24188	3691.50082	3551.03807	3308.92432	3110.64888	3681.64776	4377.88815
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975790.299	1088278.1	916116.021	1052119.24	1236103.29	1031114.07	905185.878	875049.659	779352.548	913575.994	978087.978
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23622.1422	26523.972	22096.8511	24523.7047	28749.6223	24546.7394	20734.7018	19829.8013	17525.3529	21146.4033	22550.561
542068.546	964558.585	732235.854	659164.686	728119.867	493037.165	429823.685	452718.396	395349.734	422094.36	501509.759
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23622.1422	26523.972	22096.8511	24523.7047	28749.6223	24546.7394	20734.7018	19829.8013	17525.3529	21146.4033	22550.561
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23.31	24.35	38.05	34.67	28.13	26.54	20.93	21.87	24.24	23.74	20.86
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1.78961	0.18838	7.5352	7.441009	6.781679	6.21654	2.8257	4.42693	6.40492	4.23855	4.14436
0.001426	0.00007	0.109001	0.089321	0.024403	0.029299	0.013348	0.020135	0.036426	0.02173	0.020612
0.00138	0.00007	0.106224	0.086555	0.023578	0.02807	0.012882	0.01955	0.034846	0.021301	0.020025
550.628403	74.430109	33232.5594	20803.8479	4771.80875	2316.44691	3093.93333	6221.87016	27923.6805	16077.5037	5358.21514
2.37857	0.278269	121.424261	79.822905	19.660768	11.045071	15.345112	22.883711	94.779552	57.962989	22.180273
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58

0.034609	0.028396	0.023954	0.028666	0.033921	0.035489	0.032525	0.03135	0.03454	0.029158	0.025225
289.54006	16.38906	22748.0153	17022.7703	5255.42524	5643.29966	2758.8251	4272.08164	7462.48532	4561.6217	4375.87902
1421.52398	94.498551	103061.753	76387.8459	25297.6677	27379.1094	12212.1889	20455.4586	35599.0344	21773.343	19368.6041
0.941126	0.118643	3.65222	3.6674	3.337731	3.131722	1.316617	2.189279	3.148102	2.099232	1.983467
92.858389	11.71356	6006.36265	3795.41278	871.567227	408.355555	580.586746	1111.26493	4921.71651	2816.43698	996.783599
21501.18	23893.68	22191.38	20281.44	22861.28	20586.52	21996.5	22472.68	21950.68	22073.06	22614.78
55.84722	56.353018	56.610663	56.337333	56.170221	55.94163	56.11352	56.1817	55.996632	56.308826	56.53695
22272	24592	22736	20880	23664	21344	22736	23200	22736	22736	23200
57.84935	58	58	58	58.142506	58	58	58	58	58	58
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
10.537457	1.278299	41.273826	41.306977	37.724683	35.23311	15.003309	24.677276	35.384732	23.502128	22.369824
10.537457	1.278299	41.273826	41.306977	37.724683	35.23311	15.003309	24.677276	35.384732	23.502128	22.369824
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1732.28392	113.887089	144049.201	112321.387	33855.3808	37072.2141	16746.8864	29803.5337	53070.7141	31451.0916	28153.2385
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.04315	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
1732.28392	113.887089	144049.201	112321.387	33855.3808	37072.2141	16746.8864	29803.5337	53070.7141	31451.0916	28153.2385
126.59	122.95	249.24	233.57	204.76	177.23	134.44	159.78	235.35	195.91	136.06
1134.90958	34.058042	90024.5234	70661.724	25251.6485	30091.724	11563.0405	18017.2879	14301.0649	9692.90233	17884.4524
1165.38926	34.584803	104963.013	86480.9726	28419.961	34359.0161	13272.8014	22020.357	17697.1872	11476.705	21789.7276
7.506004	0.49639	36.676686	39.800995	37.389382	36.284635	14.256706	22.210335	18.410406	15.73674	21.451748
20.881374	0.49639	1777.43419	1404.32716	465.427116	555.78555	231.260043	335.578798	269.749316	185.283439	358.753096
55.943733	65.953027	53.825837	54.421682	55.112638	54.766681	50.441327	53.552829	53.746519	53.59454	52.673977
5.560212	1.31906	40.83113	40.18257	26.853845	15.817115	11.583843	18.670509	36.449542	23.564821	15.259173
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
0.079844	0.004103	6.16102	5.020222	1.370909	1.628097	0.747193	1.1339	2.021122	1.235459	1.16145
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.04315	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
46.745938	5.398937	20792.1186	20855.8153	3831.92358	4664.04315	2089.91253	5564.37564	10845.9687	5680.68552	4910.57095
9.858625	1.243609	637.68581	402.952837	92.532883	43.354449	61.639956	117.981201	522.530683	299.01656	105.826903
550.628403	74.430109	33232.5594	20803.8479	4771.80875	2316.44691	3093.93333	6221.87016	27923.6805	16077.5037	5358.21514
0.39	0.01	26.42	17.57	7.3	8.48	3.74	4.63	5.82	3.98	4.65
-46.745938	-5.398937	-20792.119	-20855.815	-3831.9236	-4664.0431	-2089.9125	-5564.3756	-10845.969	-5680.6855	-4910.571
-1212.1352	-39.983741	-125755.13	-107336.79	-32251.885	-39023.059	-15362.714	-27584.733	-28543.156	-17157.39	-26700.299
0.14	0.02	3.24	2.16	0.48	0.21	0.31	0.52	3.09	1.96	0.8
122.2539	8.0901	11085.8226	7884.5311	2234.8817	2093.9855	1022.0321	1919.1821	3930.5635	2271.6403	1751.9596
0.04		0.91	0.6	0.35	0.27	0.1	0.15	0.3	0.06	0.15

16.8644		391.3455	258.03	150.5175	116.1135	43.005	64.5075	129.015	25.803	64.5075
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
1421.52398	94.498551	103061.753	76387.8459	25297.6677	27379.1094	12212.1889	20455.4586	35599.0344	21773.343	19368.6041
30.74	1.74	2415.12	1807.28	557.96	599.14	292.9	453.56	792.28	484.3	464.58
16.8644		391.3455	258.03	150.5175	116.1135	43.005	64.5075	129.015	25.803	64.5075
1685.53798	108.488151	123257.083	91465.5719	30023.4572	32408.1709	14656.9739	24239.1581	42224.7454	25770.406	23242.6676
247.1496	13.9896	19803.984	14819.696	4575.272	4912.948	2401.78	3719.192	6496.696	3971.26	3809.556
		0.24	0.35	0.27						
11.168351	11.126074	10.803736	10.848853	10.980241	11.031397	11.233674	11.245319	11.168512	11.192037	11.238131
0.513589	0.548732	0.78442	0.738807	0.622667	0.590841	0.501539	0.495657	0.520182	0.51372	0.498471
0.405609	0.533366	0.761615	0.712031	0.600524	0.568118	0.484198	0.478812	0.501949	0.496127	0.480979
490200.359	792228.584	941452.14	791251.183	686917.262	456062.71	600947.604	640304.978	720979.502	701525.439	611790.892
2192.08105	3020.37895	3601.07148	3167.65847	3096.24542	2352.99605	3140.65561	3134.34606	2866.98405	2927.42352	3185.05109
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
0.034505	0.028231	0.030204	0.036388	0.037303	0.039211	0.03602	0.03515	0.036045	0.034362	0.036025
192582.63	278463.825	355329.094	306565.968	297461.051	255087.741	235848.011	238414.402	243450.038	241057.451	239287.438
210356.645	303930.467	394213.747	339963.807	331107.152	284522.218	260987.855	266098.057	271212.332	269151.282	264251.505
2.7866	2.7866	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663	2.8663
326735.69	472441.725	624064.488	538421.809	522430.844	448010.599	414219.861	418727.214	427571.302	423369.201	420260.527
33609.69	45735.33	42197.76	38505.9	43598.58	39246.27	41944.68	42839.34	41943.57	42016.83	42800.49
87.297896	107.866344	107.647346	106.960833	107.121818	106.647472	107.001734	107.09835	106.998903	107.18579	107.001225
42624	47064	43512	39960	45288	40848	43512	44400	43512	43512	44400
110.711688	111	111	111	111.272727	111	111	111	111	111	111
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
33.476332	32.843993	32.817631	32.923842	33.40305	33.568809	34.197816	34.202711	33.999542	34.000742	34.225598
32.6603	32.544703	32.547946	32.677178	33.050758	33.194304	33.783345	33.80451	33.585834	33.651003	33.796683
576965.591	821776.032	1077851.68	929476.345	904965.336	777324.27	716455.246	726208.495	741500.213	733841.897	726627.619
467506.744	694946.101	1432578.74	1140443.65	901932.481	728081.865	526278.799	556915.989	636227.293	601801.766	536681.904
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467506.744	694946.101	1432578.74	1140443.65	901932.481	728081.865	526278.799	556915.989	636227.293	601801.766	536681.904
302.79	412.03	380.16	346.9	392.78	353.57	377.88	385.94	377.87	378.53	385.59
73516.5919	22801.2085	129186.369	132089.822	209591.254	313136.38	107548.282	78109.9775	12312.6207	25103.2881	106462.817
83301.1067	24736.2897	186744.414	185676.105	257893.405	375283.954	123442.041	91234.6772	14334.6761	27474.8173	122157.549

36.173832	18.399951	26.216959	28.119614	43.120171	57.250385	38.258274	32.132512	16.535279	21.545008	36.434169
2360.6604	734.615649	4060.21475	4158.30585	6549.56047	9718.71731	3378.47291	2403.33238	380.177348	773.729583	3344.59666
22.982861	24.345063	31.521321	28.72495	25.479215	24.444027	20.402986	21.099868	22.786779	22.896453	20.365602
22.841531	24.319644	31.496119	28.673925	25.250367	23.545493	20.09273	20.733758	22.772923	22.855855	19.825606
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
44.905745	59.203627	84.539321	79.035494	66.821945	63.061146	53.746076	53.148235	55.716367	55.070142	53.38873
-210121.79	-272382.97	168996.542	50725.2727	-158515.75	-182576.77	-313454.2	-293911.71	-232524.26	-258040.86	-315021.26
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14928.0516	24367.7224	29079.1992	24294.4722	20646.9715	13487.7847	17689.9891	18855.9616	21460.6387	20813.7664	18010.8953
490200.359	792228.584	941452.14	791251.183	686917.262	456062.71	600947.604	640304.978	720979.502	701525.439	611790.892
17.3	7.16	81.1	69.31	53.8	43.38	13.87	15.2	4.73	6.65	13.52
109458.848	126829.931	-354727.06	-210967.3	3032.85515	49242.4048	190176.447	169292.506	105272.92	132040.131	189945.715
26157.7409	102093.641	-541471.47	-396643.41	-254860.55	-326041.55	66734.4067	78057.8289	90938.2442	104565.314	67788.1657
227.6	368.23	213.15	193.88	237.46	190	297.92	311.3	335.85	329.91	298.82
0.184895										
64248.4082	105223.508	96396.885	84020.7821	83818.0199	65933.6215	70068.0154	76748.3126	91111.0986	87563.9669	71836.6954
1.63	0.83	0.87	0.74	1.02	0.98	0.96	0.94	0.99	0.87	1.01
13248.64	6746.24	7213.17	6135.34	8456.82	8125.18	7959.36	7793.54	8208.09	7213.17	8373.91
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.632	839733.002	850827.703	868751.548	859842.627	851703.163
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.632	839733.002	850827.703	868751.548	859842.627	851703.163
537092.335	776372.192	1018278.24	878385.616	853537.996	732532.817	675207.716	684825.271	698783.634	692520.483	684512.032
17288.712	25102.338	33139.414	28452.778	27196.532	23206.502	21068.462	21259.294	21840.816	21587.496	21355.492
13248.64	6746.24	7213.17	6135.34	8456.82	8125.18	7959.36	7793.54	8208.09	7213.17	8373.91
677628.532	967329.073	1263582.2	1089718.38	1060448.23	910658.632	839733.002	850827.703	868751.548	859842.627	851703.163
26624.6165	38657.6005	52360.2741	44955.3892	42970.5206	36666.2732	33288.17	33589.6845	34508.4893	34108.2437	33741.6774
42.51	27.18	34.75	43.81	79.94	98.08	49.46	40.85	12.09	22.82	53.98

0.028125	0.026297	0.038647	0.030638	0.026421	0.029456	0.027091	0.035325	0.031913	0.030739	0.0292

1119.6	1238.55	1130.55	1046.91	1191.66	1071.48	1144.14	1157.61	1138.47	1139.85	1164.96
2.908051	2.921108	2.884056	2.908083	2.927911	2.91163	2.918724	2.894025	2.90426	2.90778	2.9124
1152	1272	1176	1080	1224	1104	1176	1200	1176	1176	1200
2.992207	3	3	3	3.007371	3	3	3	3	3	3

11.562837	11.479646	11.287893	11.337317	11.435011	11.481398	11.792356	11.775812	11.628439	11.613428	11.80784
0.666325	0.696072	0.841524	0.810217	0.740053	0.715213	0.576438	0.595839	0.639784	0.649569	0.584154
0.632566	0.565298	0.810037	0.77479	0.706046	0.680837	0.359683	0.568989	0.614485	0.61585	0.465941
267905.917	261811.987	346893.872	305842.584	319313.058	279187.926	160166.714	260255.339	272883.567	272563.474	211920.505
1217.27241	993.151824	1333.58241	1232.13897	1453.97909	1450.17285	837.021357	1273.37964	1086.69738	1145.24165	1131.7106
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
0.048359	0.044787	0.037168	0.046138	0.047328	0.046494	0.046352	0.0461	0.040586	0.05102	0.055725
120286.972	117742.602	152864.445	134708.965	140706.861	122913.208	70795.4665	114538.423	120157.977	120053.108	93712.869
131267.915	127981.694	169586.321	149633.308	156293.714	136832.134	78319.5206	127859.538	133898.361	133666.567	103589.906
2.1391	2.1391	2.1779	2.177899	2.1779	2.1779	2.177899	2.1779	2.1779	2.1779	2.1779
126193.063	123523.763	163243.941	143855.704	150260.857	131259.015	75602.4787	122315.582	128316.704	128204.714	100075.973
15672.21	14805.76	16229.49	14765.77	16713.67	15048.28	10506.19	16407.08	16171.87	15956.87	13698.94
40.707038	34.919245	41.40176	41.016027	41.065528	40.892065	26.801505	41.0177	41.25477	40.706301	34.24735
16512	18232	16856	15480	17544	15824	16856	17200	16856	16856	17200
42.888311	43	43	43	43.105651	43	43	43	43	43	43
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
26.265807	26.426384	25.93387	26.15874	26.419029	26.492329	28.08398	27.279554	26.760594	26.815189	28.020966
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273052.028	270375.437	350994.672	310394.472	324767.122	283698.806	167548.154	265791.419	276820.335	277238.386	221270.329
269488.348	273833.122	561838.144	456720.573	386219.708	321791.677	147865.091	249722.375	289300.168	277325.342	194586.522
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269488.348	273833.122	561838.144	456720.573	386219.708	321791.677	147865.091	249722.375	289300.168	277325.342	194586.522
364.47	344.32	377.43	343.39	388.69	349.96	244.33	381.56	376.09	370.88	318.58

23.345	25.273229	38.027029	34.167715	25.541276	24.846675	17.246123	20.523359	24.542732	23.595402	21.80496
12.83975	6.065575	8.365946	9.225283	8.173208	6.460135	3.449224	5.336073	6.871964	7.07862	5.23319
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
27.129714	24.307853	34.831607	33.316	30.434594	29.276005	15.466403	24.46655	26.422882	26.481556	20.0355
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10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
267905.917	261811.987	346893.872	305842.584	319313.058	279187.926	160166.714	260255.339	272883.567	272563.474	211920.505
3563.67992	-3457.6842	-210843.47	-146326.1	-61452.587	-38092.871	19683.0633	16069.0441	-12479.833	-86.955784	26683.807
3563.67992	-3457.6842	-210843.47	-146326.1	-61452.587	-38092.871	19683.0633	16069.0441	-12479.833	-86.955784	26683.807
11.33	1.77	2.65	3.19	3.9	3.73	2.14	2.81	2.54	4.14	2.74
0.002604	0.148584				0.002717	0.344387			0.002551	0.1575
76800.7235	85535.2819	95397.5491	82350.1123	82239.4247	64878.323	42608.1857	74762.2378	90799.5659	85069.6801	55991.366
1.28	2.13	1	1.11	1.33	1.1	1.8	1.35	0.96	1.14	2.28
5146.11072	8563.44987	4100.8	4551.888	5454.064	4510.88	7381.44	5536.08	3936.768	4674.912	9349.824
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
257460.977	251505.457	332830.262	293489.012	306554.571	268091.149	153921.999	250175.12	262215.064	261871.281	203665.879
10444.94	10306.53	13653.99	11993.76	12386.88	10773.57	6062.83	9786.62	10357.77	10380.77	8014.2
5146.11072	8563.44987	4100.8	4551.888	5454.064	4510.88	7381.44	5536.08	3936.768	4674.912	9349.824
335926.029	331919.495	430896.918	380806.849	398314.598	347945.54	204552.945	325660.653	339626.91	339990.145	270254.046
10444.94	10306.53	14063.6097	12353.5728	12758.4864	11096.7771	6244.7149	10080.2186	10668.5031	10692.1931	8254.626
0.03901	0.018915	0.023673	0.029722	0.040588	0.026739	0.022678	0.039175	0.042219	0.020408	0.026325
1107.06	1247.94	1148.16	1047.9	1174.32	1074.48	1149.33	1152.99	1126.35	1152	1168.41
2.87548	2.943254	2.928979	2.910833	2.885307	2.919782	2.931964	2.882475	2.873341	2.938775	2.921025
1152	1272	1176	1080	1224	1104	1176	1200	1176	1176	1200
2.992207	3	3	3	3.007371	3	3	3	3	3	3

8.987813	9.72858	4.48571	4.342436	1.823402	3.658702	6.635711	2.680037	3.522912
0.025648	0.026756	0.003068	0.003745	0.002234	0.005879	0.011347	0.005188	0.005651
0.024969	0.026055	0.002995	0.003695	0.002178	0.005765	0.01102	0.005045	0.005425
1800.90104	1847.13106	171.738249	112.837364	68.021221	614.017275	4021.84682	1752.66258	424.62885
6.588566	7.098245	0.70348	0.513684	0.348438	2.11714	13.238237	6.223185	1.637936

		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
0.027539	0.030943	0.02764	0.034041	0.032169	0.031209	0.026339	0.029087	0.026415	0.032971	0.033137
		6891.8	6653	857.5	953.2	599.9	1628.9	3072	1404.1	1537.3
		26716.8203	26829.3659	3623.43883	4605.54892	2634.26712	7959.54444	14706.6254	6660.64127	6708.7814
		2.592381	2.88214	1.346573	1.486263	0.579493	1.228737	2.187498	0.915382	1.117186
		446.961524	473.183409	43.543567	23.161207	16.8	127.242859	823.368854	366.15441	94.154863
18781.5	20487.3	18993	17376.9	19672.5	17790.2	19133.7	19495.2	19065.6	18930.2	19274.4
48.783116	48.319103	48.45153	48.269166	48.33538	48.342934	48.810459	48.738	48.636734	48.291326	48.186
19200	21200	19600	18000	20400	18400	19600	20000	19600	19600	20000
49.870129	50	50	50	50.12285	50	50	50	50	50	50
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		45.109493	59.186861	22.104445	22.790243	10.357613	25.9006	50.63687	21.825227	24.333085
		36.780938	41.029297	19.044945	21.074944	8.129419	17.369803	31.023119	12.939153	15.99076
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		30444.4728	32232.36	3965.87683	4999.08871	2874.54298	9128.54392	17785.612	7914.08962	7778.50291
		3515.6725	5230.13405	308.782001	369.616791	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		30444.4728	32232.36	3965.87683	4999.08871	2874.54298	9128.54392	17785.612	7914.08962	7778.50291
123.65	83.75	286.45	288.48	199.32	167.9	195.51	225.18	362.75	256.58	193.96
		25127.8993	25155.0949	3485.35658	4516.63455	2567.0649	7374.35516	10744.6376	4933.9877	6337.83955
		28360.5414	29996.5192	3784.72795	4871.86042	2803.91524	8431.68784	12832.8782	5865.88365	7317.50337
		12.750257	14.556105	6.256756	6.221753	2.55	5.320569	8.900177	3.764628	5.215715
		457.528212	435.267758	57.989745	66.345628	41.5	106.211224	157.615948	72.926824	101.774652
		59.232862	59.091837	55.71782	67.750188	59.269046	66.722435	69.573536	69.563256	64.598181
		14.201085	15.346083	5.014603	2.710007	0.59269	5.337794	22.263531	9.043223	6.358328
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		1.248469	1.302777	0.150122	0.184782	0.108928	0.28825	0.55102	0.252295	0.27125
		3515.6725	5230.13405	308.782001	369.616791	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		3515.6725	5230.13405	308.782001	369.616791	239.45686	1140.17148	3019.12757	1227.43934	1016.03451
		31.871787	33.732241	3.110254	1.654371	1.2	9.088775	58.384051	25.973175	6.725347
		1800.90104	1847.13106	171.738249	112.837364	68.021221	614.017275	4021.84682	1752.66258	424.62885
		6.39	6.62	0.92	1.15	0.59	1.51	2.74	1.21	1.52
		-3515.6725	-5230.134	-308.782	-369.61679	-239.45686	-1140.1715	-3019.1276	-1227.4393	-1016.0345
		-31876.214	-35226.653	-4093.51	-5241.4772	-3043.3721	-9571.8593	-15852.006	-7093.323	-8333.5379
		0.24	0.13	0.04		0.03	0.05	0.28	0.19	0.04
		3535.335	3551.9556	367.4358	360.2033	224.0249	808.2387	1920.5134	803.8348	700.3499

		0.4	0.25	0.07	0.05		0.04	0.06	0.03	0.09
		196.302	138.93	32.837	23.455		23.095	41.139	18.404	46.55
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		26716.8203	26829.3659	3623.43883	4605.54892	2634.26712	7959.54444	14706.6254	6660.64127	6708.7814
		489.4	469	61.1	68	42.7	115.3	216	98.9	108.5
		196.302	138.93	32.837	23.455		23.095	41.139	18.404	46.55
		26928.8003	27002.2259	3657.09483	4629.47192	2635.08612	7988.37244	14766.4844	6686.65027	6762.4684
		15.678	33.93	0.819	0.468	0.819	5.733	18.72	7.605	7.137
			0.04	0.04						
0.030677	0.037759	0.028443	0.030333	0.026446	0.024701	0.035178	0.032675	0.034132	0.029209	0.0213
1488.88	1631.96	1523.4	1396.32	1588.84	1435.64	1512.84	1547.72	1514.48	1522.2	1565.92
3.86722	3.848962	3.886224	3.878666	3.903783	3.901195	3.859285	3.8693	3.863469	3.883163	3.9148
1536	1696	1568	1440	1632	1472	1568	1600	1568	1568	1600
3.98961	4	4	4	4.009828	4	4	4	4	4	4

10.503499	10.457973	10.233689	10.270434	10.34975	10.397646	10.656567	10.65651	10.541377	10.546487	10.661101
0.434204	0.46693	0.700033	0.657368	0.543147	0.515553	0.373004	0.368715	0.406436	0.407563	0.37307
0.412709	0.443323	0.658883	0.625407	0.511568	0.488748	0.265834	0.351122	0.384589	0.381523	0.351558
268515.077	316491.741	438476.337	383509.329	360183.289	302821.19	182736.678	249837.264	266675.068	264332.421	246980.288
1213.5951	1203.15331	1686.23928	1545.69427	1629.60894	1565.11195	951.134169	1197.26289	1042.4031	1093.22627	1278.20502
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
0.051458	0.052334	0.058163	0.0495	0.057279	0.054483	0.066045	0.049925	0.054795	0.066734	0.05965
96914.4069	114235.646	152988.929	133789.672	125545.051	108590.312	64243.2338	86981.8624	92668.2612	91823.5857	86951.9344
105647.397	124419.24	169186.077	148048.079	139676.711	121096.521	71049.4777	97485.7808	103711.076	102865.637	95935.1643
2.7222	2.7222	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819
158183.695	186455.422	261458.08	228646.55	214556.492	185580.843	109791.687	148652.003	158370.058	156926.508	148600.856
21344.464	23546.066	21635.12	20051.748	22539.318	20335.958	16319.514	22269.758	21712.472	21438.224	22041.804

55.440166	55.533174	55.191632	55.6993	55.379159	55.260755	41.631413	55.674394	55.388959	54.689346	55.104509
22502.4	24846.4	22971.2	21096	23908.8	21564.8	22971.2	23440	22971.2	22971.2	23440
58.447792	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
32.23734	32.068038	31.355296	31.873269	32.238718	32.849928	37.894007	34.599982	33.491338	34.044748	34.606963
29.104175	28.984037	29.370693	29.473287	29.697428	29.82807	30.564382	30.551718	30.229835	30.241705	30.579251
293005.935	344578.339	463999.884	408854.616	388683	334294.94	220105.292	277391.088	292532.459	292625.16	278212.949
265066.884	320680.469	667175.915	538465.447	421339.79	350472.991	170349.12	238397.391	282364.053	263668.391	229784.404
-27939.051	-23897.87	203176.031	129610.831	32656.7899	16178.0512	-49756.173	-38993.697	-10168.407	-28956.768	-48428.545
265066.884	320680.469	667175.915	538465.447	421339.79	350472.991	170349.12	238397.391	282364.053	263668.391	229784.404
364.24	401.81	369.2	342.18	384.63	346.81	278.49	380.03	370.52	365.84	376.14
52.366211	0.571053	38.204668	45.968349	410.027136	9336.84658	1279.8807	580.286095		17.029917	1840.80572
59.666283	0.798395	50.948929	63.558915	479.835575	11719.3618	1480.18952	676.907463		18.06597	2121.17344
1.04814	0.017224	1.082604	1.215086	4.084834	9.715909	4.797858	3.426802		0.50641	6.343321
1.772056	0.017224	1.164438	1.431561	13.820046	321.633584	45.154071	19.279701		0.50641	64.558717
22.683082	25.121609	37.296805	33.327102	26.744622	26.66826	22.676429	22.248332	23.022121	24.083203	21.287499
22.682475	20.850936	34.31181	28.317605	24.591069	26.037742	20.152473	18.866395	19.799024	20.469683	19.730807
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526
24.121984	25.978778	38.610596	36.648872	30.051562	28.640635	15.577877	20.5758	22.536959	22.35727	20.601315
-78596.211	-83608.842	123208.717	59678.9693	-32965.608	-40582.105	-83336.111	-84459.116	-58606.107	-76952.956	-93878.321
-78596.211	-83608.842	123208.717	59678.9693	-32965.608	-40582.105	-83336.111	-84459.116	-58606.107	-76952.956	-93878.321
9285.19194	11014.9848	15134.1896	13192.1624	12217.166	10218.1204	6061.37393	8211.0403	8834.488	8763.54359	8175.96728
268515.077	316491.741	438476.337	383509.329	360183.289	302821.19	182736.678	249837.264	266675.068	264332.421	246980.288
0.03	0.01	0.09	0.07	0.13	1.01	0.09	0.04		0.01	0.1
27939.0509	23897.87	-203176.03	-129610.83	-32656.79	-16178.051	49756.1728	38993.6967	10168.4066	28956.7682	48428.5451
27879.3846	23897.0716	-203226.98	-129674.39	-33136.625	-27897.413	48275.9833	38316.7892	10168.4066	28938.7023	46307.3717
83.2	18.68	18.25	18.1	22.55	19.45	14.84	21.42	22.47	19.74	20.94
					0.002717	0.242346				
72813.8691	94329.339	87380.1442	76596.5101	76117.0346	61000.6775	46303.6924	70812.233	84139.3953	78955.8186	64690.7762
1.34	1.54	1.37	1.36	1.51	1.19	1.94	1.45	1.39	1.52	1.58
24438.4912	28086.0272	25485.3428	25299.3184	28089.6844	22136.9036	36088.7336	26973.538	25857.3916	28275.7088	29391.8552
343663.095	404289.312	543967.198	478786.478	454305.398	391055.096	253685.231	322856.508	340970.159	340621.348	323662.725
343663.095	404289.312	543967.198	478786.478	454305.398	391055.096	253685.231	322856.508	340970.159	340621.348	323662.725
263831.092	310874.661	430644.157	376694.629	354233.203	306677.365	180841.164	246137.784	262081.134	259792.145	244536.02
9286.964	11015.002	15135.354	13193.594	12230.986	10539.754	6106.528	8230.32	8834.488	8764.05	8240.526

24438.4912	28086.0272	25485.3428	25299.3184	28089.6844	22136.9036	36088.7336	26973.538	25857.3916	28275.7088	29391.8552
343663.095	404289.312	543967.198	478786.478	454305.398	391055.096	253685.231	322856.508	340970.159	340621.348	323662.725
4736.35164	5617.65102	7870.38408	6860.66888	6360.11272	5480.67208	3175.39456	4279.7664	4593.93376	4557.306	4285.07352
0.19		0.02	0.05	0.34	1.62	0.53	0.11		0.05	0.45
		6.6	7.35	2.7	2.55	1.2	3	5.85	2.1	2.55
		0.017315	0.021499	0.001514	0.001667	0.001284	0.004408	0.009396	0.004409	0.00441
		0.017117	0.020722	0.001421	0.00163	0.001275	0.004225	0.009107	0.004311	0.0043
		68.893389	266.924791	2.96044			73.541223	665.098011	254.808966	32.967827
		0.257526	1.027324	0.011807			0.259513	2.15191	0.884534	0.128135
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
0.028958	0.026061	0.024387	0.034555	0.031004	0.039565	0.036556	0.020825	0.032372	0.030408	0.024
		1409.1	1566.6	121.8	126	105	354.9	749.7	354.9	361.2
		5291.05081	6232.8229	549.177195	595.483966	451.255074	1743.7962	3596.45025	1684.05129	1569.00325
		1.709574	2.026158	0.78842	0.784109	0.354139	0.952469	1.825136	0.657668	0.756192
		18.361769	69.550768	0.689694			14.824424	131.42385	52.057686	7.586029
5220.32	5781.3	5354.16	4865.84	5534.9	4948.16	5287.38	5483.38	5310.34	5321.12	5465.6
13.559272	13.635141	13.658571	13.516222	13.599262	13.446086	13.488214	13.70845	13.546785	13.574285	13.664
5376	5936	5488	5040	5712	5152	5488	5600	5488	5488	5600
13.963636	14	14	14	14.034398	14	14	14	14	14	14
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
		26.537218	30.845762	12.826306	11.761645	5.312092	14.537038	27.784655	9.86503	11.792882
		26.537218	30.845762	12.826306	11.761645	5.312092	14.537038	27.784655	9.86503	11.792882
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5989.27198	7498.78528	593.631424	638.288261	486.528194	1978.39806	4303.42678	1985.76372	1805.08381
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		5989.27198	7498.78528	593.631424	638.288261	486.528194	1978.39806	4303.42678	1985.76372	1805.08381
62.79	38.63	155.92	164.06	119.69	93.69	122.57	130.49	187.92	149.2	118.77
		5421.65743	6049.89811	567.216754	595.483966	451.255074	1680.75498	2952.35224	1429.24232	1557.03542
		5905.23671	7185.15692	590.491993	638.288261	486.528194	1899.56384	3510.03619	1691.83403	1770.03178
		6.128982	6.791238	2.514891	2.38	1.12	2.659713	4.985472	1.937223	2.362852
		92.715882	99.803282	8.07402	8.4	7	22.671705	41.218409	20.189487	23.574264
		58.759822	61.868731	64.385902			79.094935	74.303001	74.858436	67.387161
		1.762794	6.186873	0.643859			2.372848	11.88848	5.24009	1.347743
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08

		0.239642	0.290111	0.01995	0.022826	0.017857	0.05915	0.1275	0.060357	0.0602
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		498.721162	1181.96238	23.454229	42.804294	35.273119	224.101858	685.976529	301.712431	215.080566
		1.224117	4.636717	0.045979			0.988294	8.76159	3.470512	0.505735
		68.893389	266.924791	2.96044			73.541223	665.098011	254.808966	32.967827
		5.33	4.33	0.51	0.56	0.43	1.13	1.71	0.91	1.06
		-498.72116	-1181.9624	-23.454229	-42.804294	-35.273119	-224.10186	-685.97653	-301.71243	-215.08057
		-6403.9579	-8367.1193	-613.94622	-681.09256	-521.80131	-2123.6657	-4196.0127	-1993.5465	-1985.1123
		0.02	0.21				0.07	0.27	0.13	0.02
		1791.4782	1917.6697	136.204	126.0496	99.6082	423.9922	1041.4512	460.2075	383.9731
		0.19	0.08	0.02			0.01	0.02		0.02
		199.5	84	21			10.5	21		21
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		5291.05081	6232.8229	549.177195	595.483966	451.255074	1743.7962	3596.45025	1684.05129	1569.00325
		93.94	104.44	8.12	8.4	7	23.66	49.98	23.66	24.08
		199.5	84	21			10.5	21		21
		5490.55081	6316.8229	570.177195	595.483966	451.255074	1754.2962	3617.45025	1684.05129	1590.00325
		0.01	0.05							
11.110963	11.04621	10.767125	10.817852	10.930614	10.978147	11.215762	11.244264	11.140293	11.14978	11.219327
0.288778	0.314408	0.466855	0.440273	0.364727	0.348741	0.263114	0.281528	0.303836	0.299305	0.275819
0.262838	0.298268	0.451186	0.423899	0.350131	0.33455	0.233354	0.271511	0.292497	0.28727	0.260197
1027171.98	1370606.74	1761924.7	1503521	1371360.12	1040501.11	947012.951	1157307.01	1293148.76	1256506.31	1076507.5
4625.32713	5216.96235	6749.16354	6033.44018	6200.20951	5379.8396	4944.50469	5630.24896	5106.25423	5230.96215	5618.91306
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
0.034079	0.032171	0.030911	0.034209	0.035755	0.03604	0.035299	0.034365	0.035053	0.035074	0.034065
410073.549	510458.462	692231.384	600306.976	569947.688	493313.761	374350.436	446190.569	467560.462	459254.766	426226.62
448693.48	556425.899	868055.769	747095.228	656547.861	575031.015	425654.564	521602.175	562723.878	535801.522	491422.964
2.582233	2.622264	2.757842	2.755003	2.702912	2.707172	2.740143	2.702893	2.719006	2.698691	2.725379
611112.448	782420.91	1048766.51	910924.063	887248.193	764850.457	599614.027	689694.799	714258.064	708500.423	668937.356
92.858389	11.71356	6471.68595	4338.14696	915.800489	431.516763	597.386746	1253.33222	5876.50922	3234.64908	1098.52449
128276.779	147629.111	139045.72	127258.278	143791.818	129503.338	127521.774	141561.833	138523.207	138124.879	138516.304
333.186438	348.181865	354.708469	353.495216	353.29685	351.911244	325.310647	353.904582	353.375528	352.359385	346.29076
140966.4	155650.4	143903.2	132156	149776.8	135092.8	143903.2	146840	143903.2	143903.2	146840

366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
102.516938	92.616716	203.027336	222.295453	164.716235	162.696065	130.848821	161.197163	208.057733	150.053067	155.349321
29.82903	30.149114	31.106997	31.187518	30.811098	30.995901	32.075218	31.669591	31.606644	31.360309	31.888744
1144709.09	1436838.3	2048522.67	1773510.05	1652666.19	1432951.14	1121852.01	1303372.83	1371461.69	1337846.55	1257706.04
1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.13	864600.967	1085946.23	1283051.27	1184146.44	998789.656
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1003794.26	1289573.58	2842075.74	2287682.2	1747906.87	1443056.13	864600.967	1085946.23	1283051.27	1184146.44	998789.656
1344.53	1403.49	1831.02	1727.02	1696.41	1489.16	1358.82	1666.6	1915.06	1726.54	1536.6
74703.8677	22835.8376	249798.654	234002.508	239305.503	357677.069	123409.523	105762.662	40310.6754	41176.4504	134082.95
84526.1623	24771.6729	326024.155	309402.312	291168.422	426872.48	141485.475	124263.193	48374.7776	46527.3059	155155.985
11.181994	4.728391	13.657963	15.005592	14.231827	16.867776	9.07612	10.152929	8.247359	6.750662	11.00336
2383.31383	735.129264	6389.05747	6099.13561	7094.8714	10670.8821	3703.38703	2887.07381	848.761022	1052.63575	3893.25739
23.688552	24.842707	39.067744	37.464414	30.762007	28.22205	23.120212	26.302817	34.058846	29.130403	24.18251
23.622226	24.829582	39.032367	37.414692	30.606862	27.780009	22.963003	26.098699	34.024862	29.107849	23.887777
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
96.237288	109.494363	165.630658	155.613477	128.849085	122.813494	85.664336	99.671885	107.375852	105.457081	95.518445
-355108.93	-414072.79	447952.998	213585.878	-199412.08	-244236.27	-451113.52	-447380.46	-326906.03	-390448.78	-478425.42
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34668.0422	45690.4807	58538.1605	49921.7164	45346.7066	34524.4839	29877.033	36981.6802	41242.573	40286.5403	34314.1206
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17.72	7.18	119.33	97.9	62.66	54.58	18.72	22.51	15	12.76	20.85
140914.832	147264.718	-793553.07	-514172.15	-95240.681	-10104.982	257251.041	217426.598	88410.4211	153700.106	258916.381
56388.6702	122493.045	-1119577.2	-823574.46	-386409.1	-436977.46	115765.566	93163.4046	40035.6435	107172.8	103760.396
322.27	388.7	237.55	217.67	264.43	213.39	315.24	336.17	364.5	356.07	323.36
0.017045	0.013507				0.000494	0.053339			0.000231	0.014318
213985.255	285096.219	295587.214	256321.561	244913.001	194392.86	160325.559	225474.196	272942.588	255125.148	195355.12
4.29	4.5	4.74	4.14	4.3	3.59	4.8	3.94	3.72	3.62	5.13
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07
1059805.93	1338846.81	1916822.28	1658019.29	1543796.05	1339881.47	1025268.59	1211296.97	1276981.94	1244301.94	1160360.32
37051.356	46425.61	64927.218	56020.852	52441.578	45195.366	33580.42	39868.754	42091.334	41339.176	38207.378
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
1358903.19	1703646.37	2394122.75	2074096.32	1947318.95	1687292.4	1315714.49	1533326.69	1609957.3	1574595.23	1477215.07

42053.0577	54595.7711	94113.9299	79023.2569	66665.2107	58157.1383	45110.8784	51674.5945	56286.3421	53336.6078	50098.0699
42.7	27.18	35.02	44.3	80.59	99.7	49.99	40.96	12.09	22.87	54.43
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
2508.06359	3260.41023	1704.51428	1561.75212	1630.90669	959.657614	1872.59696	1963.59848	3131.80337	2974.68888	1812.15369
-84499.835	-110673.2	-102127.93	-89681.683	-89791.528	-71047.277	-74992.531	-81888.539	-97642.582	-93357.284	-76738.349
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
322.87	388.4	235.39	216	263.51	212.03	322.19	335.3	364.37	355.47	323.38
167.105463	200.731459	175.640667	175.479335	148.897036	123.666891	146.670983	171.08048	213.191862	198.341255	168.94088
83.745893	100.806884	68.034566	75.400985	65.323319	45.755169	63.640827	65.653123	103.559183	97.692516	64.474886
27316.2953	39568.1337	18427.8344	17947.8808	17851.5965	10147.7693	20745.8077	22437.8208	37995.6226	35074.5905	21190.6024
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2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2556510.01	3600542.78	4385116.57	3534367.34	2940317.45	2102559.37	1959080.46	2294626.37	3258042.25	3000111.18	2011931.84
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
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2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
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84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64
322.87	388.4	235.39	216	263.51	212.03	322.19	335.3	364.37	355.47	323.38
167.105463	200.731459	175.640667	175.479335	148.897036	123.666891	146.670983	171.08048	213.191862	198.341255	168.94088
83.745893	100.806884	68.034566	75.400985	65.323319	45.755169	63.640827	65.653123	103.559183	97.692516	64.474886

27316.2953	39568.1337	18427.8344	17947.8808	17851.5965	10147.7693	20745.8077	22437.8208	37995.6226	35074.5905	21190.6024
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2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2556510.01	3600542.78	4385116.57	3534367.34	2940317.45	2102559.37	1959080.46	2294626.37	3258042.25	3000111.18	2011931.84
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2
2005909.13	2746987.39	3935125.88	3140611.92	2578138.23	1914537.87	1598901.21	1877626.76	2470145.06	2285530.41	1652677.2

267877.83	300294.246	304036.141	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
1224.6311	1157.99577	1172.81266	1118.73341	1473.1791	1657.99999	1628.73826	1294.75334	817.765834	833.989202	1349.35368
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
174300.344	204388.742	326927.494	256845.761	241832.493	225741.695	173539.181	150716.602	128601.721	123844.853	141465.083
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
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7426.6102	8324.78974	8094.16899	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
267877.83	300294.246	304036.141	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
93577.4856	96658.337	-4954.9172	20374.3885	79830.3438	92545.9817	136632.967	107229.665	71750.9374	72041.1377	112379.454
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84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449

267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
7426.6102	8345.31935	8582.99135	7372.8763	8554.86269	8465.09779	8249.25925	6860.27305	5328.52814	5209.73379	6751.18449
174300.344	204388.742	326927.494	256845.761	241832.493	225741.695	173539.181	150716.602	128601.721	123844.853	141465.083
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267877.83	301047.079	321972.577	277220.149	321662.837	318287.677	310172.148	257946.267	200352.658	195885.991	253844.537
263551.077	295469.388	297587.464	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
1204.86611	1139.46552	1147.95106	1095.07198	1442.43418	1621.7029	1594.0233	1269.63497	799.463934	815.706139	1322.05895
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
195859.963	229669.014	367372.64	288564.198	271728.648	253474.594	194960.338	169518.495	144400.914	139063.944	159044.418
20.622366	18.993447	15.710923	24.08995	22.394537	23.334048	21.025785	31.800096	22.839193	22.901065	23.919555
3.505802	1.519475	0.314218	0.722698	0.895781	1.633383	11.143666	1.908005	1.141959	0.916042	3.587933
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
21.676638	22.120429	24.604459	23.009226	23.620043	25.825134	23.638683	19.300863	15.253674	14.919741	18.978782
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8345.50593	9355.88545	9095.52377	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
263551.077	295469.388	297587.464	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
67691.1143	66549.1115	-52052.462	-17202.59	43204.9485	57864.9632	108605.741	83400.017	51485.5535	52534.1803	89653.5439
67691.1143	66549.1115	-52052.462	-17202.59	43204.9485	57864.9632	108605.741	83400.017	51485.5535	52534.1803	89653.5439
1.31	0.94	0.1	0.13	0.32	0.33	8.05	0.36	0.41	0.3	1.36
84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
8345.50593	9379.06196	9644.94805	8283.32136	9613.35764	9503.64948	9266.36383	7720.3453	5979.44041	5848.5386	7591.51288
195859.963	229669.014	367372.64	288564.198	271728.648	253474.594	194960.338	169518.495	144400.914	139063.944	159044.418
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263551.077	296218.125	315320.177	271361.608	314933.596	311339.557	303566.079	252918.512	195886.468	191598.125	248697.962
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
662.252781	736.021071	713.084061	704.905415	949.848333	1074.8183	869.020732	1041.11112	835.097946	831.739869	864.420734

2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
65660.2783	90664.5023	138198.683	117789.524	113618.631	105542.043	66426.9738	88800.0836	95121.7496	90246.7449	65737.829
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
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-79222.033	-100440.57	-47054.583	-56801.826	-93706.152	-100259.94	-99180.378	-119697.6	-109632.96	-105571.18	-96840.951
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2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
79222.0327	100440.566	47054.5826	56801.8263	93706.1523	100259.936	99180.3784	119697.603	109632.962	105571.177	96840.9513
79222.0327	100440.566	47054.5826	56801.8263	93706.1523	100259.936	99180.3784	119697.603	109632.962	105571.177	96840.9513
84499.8354	110673.197	102127.928	87000.4128	88287.0834	71047.2772	74992.5314	80299.3845	95891.551	93357.284	76738.349
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
2828.07556	3730.33513	3616.10903	3407.99044	4046.94092	4017.21607	3232.62448	4069.83577	3996.77361	3822.32914	3173.50732
65660.2783	90664.5023	138198.683	117789.524	113618.631	105542.043	66426.9738	88800.0836	95121.7496	90246.7449	65737.829
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144882.311	191105.069	185253.265	174591.35	207324.783	205801.979	165607.352	208497.687	204754.712	195817.922	162578.78
287109.406	293592.011	327105.641	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
1315.28011	1141.2832	1271.83315	838.89652	1520.50346	1724.34209	1433.13659	1448.00792	958.099438	1001.41207	1492.28699
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
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3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
10.169626	9.478546	11.894656	7.633048	10.756913	11.926795	9.238375	9.54646	7.907255	7.947835	9.293553
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3915.30624	4003.57192	4356.13138	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
287109.406	293592.011	327105.641	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
196439.156	199001.061	174786.357	111172.017	208188.088	214565.881	198181.98	206266.108	162556.461	162994.107	203558.995

196439.156	199001.061	174786.357	111172.017	208188.088	214565.881	198181.98	206266.108	162556.461	162994.107	203558.995
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287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
3915.30624	4018.9036	4662.70521	2747.89751	4378.06367	4389.06061	3621.44319	3818.58413	3099.64425	3115.55167	3717.42127
90670.2504	95733.3507	175145.098	95387.4388	120910.959	115359.805	74041.9048	80776.8615	70443.7977	71201.9127	75879.5618
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287109.406	294734.412	349931.455	206559.455	329099.046	329925.686	272223.884	287042.969	233000.259	234196.019	279438.557
963420.625	1080460.71	1113982.51	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
4407.0301	4174.76555	4305.68093	3757.60733	5385.96508	6078.86328	5524.91888	5053.50735	3410.42715	3482.84728	5028.12035
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
526490.836	620455.609	1007643.91	758586.921	748090.731	700118.137	508968.397	489812.042	438568.182	424357.455	442126.892
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3.505802	1.519475	0.314218	0.722698	0.895781	1.633383	11.143666	1.908005	1.141959	0.916042	3.587933
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
58.481812	60.079292	67.619269	60.589126	65.339618	71.67126	62.167578	56.172595	46.949965	45.908554	53.084064
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22515.4979	25414.5822	25161.9332	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
963420.625	1080460.71	1113982.51	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
436929.789	462649.076	164833.56	171145.641	424929.532	465236.762	542601.066	516593.392	395425.914	393140.601	502432.944
436929.789	462649.076	164833.56	171145.641	424929.532	465236.762	542601.066	516593.392	395425.914	393140.601	502432.944
1.31	0.94	0.1	0.13	0.32	0.33	8.05	0.36	0.41	0.3	1.36
337944.009	442692.787	407901.168	356045.461	357521.371	284189.109	299903.828	325965.002	387472.016	373429.136	306695.436
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
526490.836	620455.609	1007643.91	758586.921	748090.731	700118.137	508968.397	489812.042	438568.182	424357.455	442126.892

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963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
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0.262838	0.298268	0.451186	0.423899	0.350131	0.33455	0.233354	0.271511	0.292497	0.28727	0.260197
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11540.4208	12652.1381	12759.3588	11352.7996	13217.0813	12418.3605	12342.0205	12647.3548	11648.4848	11688.4983	12459.1871
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0.034079	0.032171	0.030911	0.034209	0.035755	0.03604	0.035299	0.034365	0.035053	0.035074	0.034065
410073.549	510458.462	692231.384	600306.976	569947.688	493313.761	374350.436	446190.569	467560.462	459254.766	426226.62
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2.582233	2.622264	2.757842	2.755003	2.702912	2.707172	2.740143	2.702893	2.719006	2.698691	2.725379
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128276.779	147629.111	139045.72	127258.278	143791.818	129503.338	127521.774	141561.833	138523.207	138124.879	138516.304
333.186438	348.181865	354.708469	353.495216	353.29685	351.911244	325.310647	353.904582	353.375528	352.359385	346.29076
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366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
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84499.8354	110673.197	102127.928	89681.6828	89791.528	71047.2772	74992.5314	81888.5392	97642.582	93357.284	76738.349
-140914.83	-147264.72	793553.075	514172.147	95240.6812	10104.9817	-257251.04	-217426.6	-88410.421	-153700.11	-258916.38
1530285.1	1910029.19	3849719.66	3046269.12	2495997.6	2143174.26	1373569.36	1575758.27	1721619.45	1608503.9	1440916.55
1344.53	1403.49	1831.02	1727.02	1696.41	1489.16	1358.82	1666.6	1915.06	1726.54	1536.6
74703.8677	22835.8376	249798.654	234002.508	239305.503	357677.069	123409.523	105762.662	40310.6754	41176.4504	134082.95
19.627156	20.369682	29.586751	27.335408	22.925264	21.824933	18.062235	18.690673	20.272911	19.938901	18.018041
550600.874	853555.394	449990.687	393755.42	362179.217	188021.494	360179.256	416999.61	787897.191	714580.779	359254.64

322.87	388.4	235.39	216	263.51	212.03	322.19	335.3	364.37	355.47	323.38
167.105463	200.731459	175.640667	175.479335	148.897036	123.666891	146.670983	171.08048	213.191862	198.341255	168.94088
9.305099	11.200764	5.669547	6.283415	5.443609	3.81293	5.303402	5.471093	8.629931	8.141043	5.372907
27,316.30	39,568.13	18,427.83	17,947.88	17,851.60	10,147.77	20,745.81	22,437.82	37,995.62	35,074.59	21,190.60
84526.1623	24771.6729	326024.155	309402.312	291168.422	426872.48	141485.475	124263.193	48374.7776	46527.3059	155155.985
4.969775	2.101507	7.967145	8.753262	8.301899	9.839536	5.294403	5.922541	4.810959	3.937886	6.418627
2,383.31	735.13	6,389.06	6,099.14	7,094.87	10,670.88	3,703.39	2,887.07	848.76	1,052.64	3,893.26
23.603768	24.840976	39.061276	37.371894	30.717899	28.096173	22.705103	26.411159	33.975441	29.04052	24.108318
23.539641	24.828084	39.025925	37.322364	30.563679	27.659275	22.574553	26.211273	33.941606	29.018171	23.824406
-24932.981	-38773.967	-10693.956	-11848.745	-10756.725	523.112745	-17042.421	-19550.747	-37146.862	-34021.955	-17297.345
-64.76099	-91.448034	-27.280501	-32.913181	-26.429299	1.421502	-43.475562	-48.876867	-94.762402	-86.790701	-43.243362
-6191976.8	-7371434.9	-7176357.9	-6334821	-6870682.4	-5932585.7	-6116967.2	-6437877.6	-6716828.4	-6593471.2	-6229812.5
-73.297965	-66.623051	-70.283987	-70.660788	-76.545745	-83.530335	-81.574083	-78.671544	-68.859021	-70.679995	-81.236494
-6191976.8	-7371434.9	-7176357.9	-6334821	-6870682.4	-5932585.7	-6116967.2	-6437877.6	-6716828.4	-6593471.2	-6229812.5
57183.5401	71105.063	83700.0937	71733.802	71939.9315	60899.5079	54246.7237	59450.7184	59646.9594	58282.6935	55547.7466
1990592.61	2451067.46	2875907.21	2433253.56	2544380.38	2205856.01	1998582.41	2163712.44	2127142.86	2074004.37	2021067.33
5977782.67	7104626.85	6830757.8	6034234.69	6576029.6	5678244.47	5923104.75	6207923.73	6478332.83	6356722.55	6010303.5
6443857.38	7933410.57	6954724.33	6118587.8	6647040.4	5439393.49	6141798.53	6500660.15	7217855.24	7024776.02	6214402.16
0.017045	0.013507				0.000494	0.053339			0.000231	0.014318
636429.099	838462.202	805616.31	702048.705	692225.9	549629.246	535221.919	633327.738	758057.186	721911.568	578788.905
4.29	4.5	4.74	4.14	4.3	3.59	4.8	3.94	3.72	3.62	5.13
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
7722261.87	9281464.11	11026077.5	9381090.08	9366679.97	8075759.99	7490536.6	8013635.86	8438447.89	8201975.13	7670729.09
4328232.95	5533738.44	7501726.1	6144440.8	5698477.45	4767185.17	3966185.16	4417358.89	4914096.45	4677623.69	4074452.11
1059805.93	1338846.81	1916822.28	1658019.29	1543796.05	1339881.47	1025268.59	1211296.97	1276981.94	1244301.94	1160360.32
59566.8539	71899.23	91433.9716	77832.9376	79034.8029	71570.3899	57950.1107	62337.7923	60495.7204	59335.3292	59441.004
42850.1063	43395.7171	37586.4603	36467.5064	42204.9229	34912.5321	51472.5386	40401.2605	38193.4036	40207.9978	47247.6467
4328232.95	5533738.44	7501726.1	6144440.8	5698477.45	4767185.17	3966185.16	4417358.89	4914096.45	4677623.69	4074452.11
42053.0577	54595.7711	94113.9299	79023.2569	66665.2107	58157.1383	45110.8784	51674.5945	56286.3421	53336.6078	50098.0699
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836
22515.4979	25473.62	26506.7536	21812.0856	26593.2249	26375.0239	24369.6907	22469.0383	18404.3864	17996.1532	21233.626
526490.836	620455.609	1007643.91	758586.921	748090.731	700118.137	508968.397	489812.042	438568.182	424357.455	442126.892
-436929.79	-462649.08	-164833.56	-171145.64	-424929.53	-465236.76	-542601.07	-516593.39	-395425.91	-393140.6	-502432.94
963420.625	1083104.68	1172477.47	929732.562	1173020.26	1165354.9	1051569.46	1006405.43	833994.096	817498.056	944559.836

2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
-3380500.4	-3596277	-3668407.5	-3604713.3	-3236885.4	-3751844.4	-3384016.5	-3751844.4	-3531147.7	-3604713.3	-3751844.4
-3380500.4	-3596277	-3668407.5	-3604713.3	-3236885.4	-3751844.4	-3384016.5	-3751844.4	-3531147.7	-3604713.3	-3751844.4
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42

23.46017	24.690184	25.770198	40.180414	36.640408	29.780433	28.120452	22.240419	23.220467	25.710487	25.180437
22.402161	22.40206	22.402221	22.850142	22.850123	22.850182	22.850142	22.850123	22.850202	22.850083	22.850142
23.338226	24.568234	25.648243	40.05837	36.518367	29.658382	27.998393	22.118374	23.098402	25.588414	25.058384
23.432029	24.662042	25.742055	40.15225	36.612244	29.752267	28.092284	22.212255	23.192298	25.682317	25.152271
22.728505	23.958484	25.038464	39.448154	35.908163	29.048127	27.388099	21.508147	22.488078	24.978048	24.44812
23.000534	24.230526	25.310519	39.720404	36.180408	29.320394	27.660384	21.780402	22.760376	25.250365	24.720392
23.413268	24.64328	25.723292	40.133474	36.593469	29.73349	28.073506	22.193478	23.173519	25.663536	25.133494
23.450789	24.680803	25.760817	40.171026	36.63102	29.771044	28.111063	22.231031	23.211077	25.701097	25.171049

20.641456	20.641456	20.641456	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286	21.054286
1.11	1.11	1.11	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
23.16	24.39	25.47	39.88	36.34	29.48	27.82	21.94	22.92	25.41	24.88
4.539037	5.26632	5.907071	6.073405	6.102407	5.477119	4.95309	4.660803	4.679986	4.720055	4.703475
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
0.024095	0.03685	0.036519	0.021505	0.033039	0.023039	0.03038	0.031642	0.027473	0.02528	0.030098
8256.15	8668.35	8844.75	8630.325	7658.325	8968.5	8028.45	8889.525	8402.625	8597.025	8903.7
21.957845	21.616832	21.678308	22.016135	21.756605	22.035626	21.81644	21.788051	21.881835	21.931186	21.822794
8460	9000	9180	8820	7920	9180	8280	9180	8640	8820	9180
22.5	22.44389	22.5	22.5	22.5	22.555282	22.5	22.5	22.5	22.5	22.5

			4.14	12.18	5.81		9.16	5.12	9.58	5.86
1.41285	1.41285	0.56514	7.25263	7.252629	6.687489	6.31073	2.35475	4.52112	6.40492	4.42693
0.003207	0.001964	0.000304	0.116402	0.099798	0.02436	0.030759	0.012913	0.021568	0.035402	0.021879
0.003111	0.0019	0.000294	0.114132	0.096448	0.023627	0.029782	0.012598	0.020755	0.03454	0.021446
485.142855	267.944224	115.121959	50280.2758	26377.3314	4291.97338	12760.5591	3511.14603	11325.2985	32676.7189	16636.6514
2.283617	1.07847	0.405042	179.455608	99.209356	17.327907	61.664106	16.712029	42.703121	110.388723	58.510565
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5

0.030478	0.032025	0.025808	0.024438	0.031164	0.030857	0.033532	0.028284	0.032473	0.029132	0.028823
639.17334	415.18952	65.55624	24441.5515	18546.9529	5266.35128	5987.46992	2807.99228	4354.02694	7396.92908	4780.1425
2893.55759	2001.53685	376.539471	120318.46	92419.6445	26609.2958	30864.8911	13061.0248	22440.5997	37631.1463	24529.7361
0.674744	0.705711	0.347291	3.804772	3.872726	3.53451	3.389295	1.18139	2.392436	3.316175	2.331201
89.79695	47.81311	17.877438	8521.73555	4356.90833	746.734492	2110.34294	644.035468	1856.99921	5422.99134	2754.41182
21143.32	22457.02	23053.26	22180.36	19779.74	22933.78	20628.28	22994.68	21548.74	22073.64	22981.92
56.232234	56.002543	56.503088	56.582551	56.192443	56.348353	56.055108	56.359509	56.11651	56.310306	56.328235
21808	23200	23664	22736	20416	23664	21344	23664	22272	22736	23664
58	57.855361	58	58	58	58.142506	58	58	58	58	58
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
7.602749	8.004268	3.763135	42.519348	43.268768	39.612204	37.727883	13.254867	26.650652	37.076956	25.980779
7.602749	8.004268	3.763135	42.519348	43.268768	39.612204	37.727883	13.254867	26.650652	37.076956	25.980779
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
3757.40348	2527.98441	453.174082	165734.181	135391.644	35477.7551	41794.9491	17932.6799	32224.9324	56506.9559	35013.1258
298.792895	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
3757.40348	2527.98441	453.174082	165734.181	135391.644	35477.7551	41794.9491	17932.6799	32224.9324	56506.9559	35013.1258
158.25	128.19	101.9	253.01	218.4	215.11	175.91	125.58	161.91	239.23	190.1
2973.46773	2116.55113	318.489512	92126.1305	82751.7781	27168.2304	23534.6361	12067.0757	15050.215	11597.7398	12193.4976
3232.54007	2245.28947	333.007987	106800.592	102291.853	30636.2116	26931.9227	13819.1319	18621.3263	14467.1988	14931.5764
7.595627	8.131291	2.62866	32.884665	37.408347	36.998901	29.015801	11.440818	18.678006	17.227096	13.659848
58.326402	39.003759	5.061981	1690.18112	1506.53409	479.840406	411.628302	229.743795	265.105396	209.569778	215.06855
51.955642	53.619349	62.833036	56.705319	59.277506	57.362087	57.883076	53.894152	57.595274	56.457899	56.404485
3.636894	3.740709	3.141651	43.594315	42.059189	31.931862	33.547335	11.802311	25.328089	38.352113	25.922014
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
0.180478	0.109925	0.017058	6.619693	5.594034	1.373759	1.727391	0.730686	1.203802	2.003367	1.243872
298.792895	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
298.792895	143.489057	19.56261	23327.7751	26262.5344	4017.55138	5499.75386	2354.4582	5849.41894	12232.4972	6182.97675
9.533597	5.07624	1.898018	904.738884	462.565913	79.279593	224.051697	68.376204	197.154603	575.750221	292.431449
485.142855	267.944224	115.121959	50280.2758	26377.3314	4291.97338	12760.5591	3511.14603	11325.2985	32676.7189	16636.6514
1.1	0.71	0.11	28.9	19.02	7.51	7.85	3.92	4.12	4.67	4.5
-298.7929	-143.48906	-19.56261	-23327.775	-26262.534	-4017.5514	-5499.7539	-2354.4582	-5849.4189	-12232.497	-6182.9768
-3531.333	-2388.7785	-352.5706	-130128.37	-128554.39	-34653.763	-32431.677	-16173.59	-24470.745	-26699.696	-21114.553
0.01	0.03	0.01	4.91	2.03	0.54	1.37	0.25	1.53	3.79	1.78
245.6084	180.0468	33.9537	12220.5999	8768.056	2286.3895	2256.3554	1063.4715	2022.3935	3953.9061	2433.1374
0.02	0.05		0.84	0.52	0.39	0.25	0.05	0.15	0.16	0.12

8.601	21.5025		368.466	228.098	171.0735	109.6625	21.9325	65.7975	70.184	52.638
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
2893.55759	2001.53685	376.539471	120318.46	92419.6445	26609.2958	30864.8911	13061.0248	22440.5997	37631.1463	24529.7361
67.86	44.08	6.96	2594.92	1969.1	559.12	635.68	298.12	462.26	785.32	507.5
8.601	21.5025		368.466	228.098	171.0735	109.6625	21.9325	65.7975	70.184	52.638
3458.61059	2384.49535	433.611471	142406.406	109129.11	31460.2037	36295.1952	15578.2217	26375.5134	44274.4587	28830.1491
556.452	361.456	57.072	21719.4804	16481.367	4679.8344	5320.6416	2495.2644	3869.1162	6573.1284	4247.775
			0.09	0.26	0.18					
11.193788	11.163267	11.119199	10.824943	10.867675	10.964406	11.009183	11.208079	11.229438	11.144911	11.171093
0.516748	0.527206	0.55244	0.779572	0.732057	0.640525	0.590052	0.511614	0.50025	0.529533	0.520727
0.499782	0.509298	0.534245	0.756312	0.710011	0.61552	0.286186	0.493915	0.483456	0.510767	0.502243
543655.539	664550.066	786451.223	983396.618	804470.269	719973.742	252843.703	714540.49	675721.46	751958.471	759493.157
2782.60927	2953.94802	2957.02079	3681.74855	3139.25701	3189.50469	1254.81834	3639.69281	3216.43907	2932.26974	3082.33859
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
0.033909	0.034725	0.034044	0.031658	0.031392	0.039705	0.037663	0.034901	0.034296	0.036683	0.036568
232878.124	251764.703	267933.144	352997.95	299162.682	304172.388	128113.855	249942.333	230850.989	247240.386	253572.499
260420.391	280985.707	299847.193	406999.191	345114.135	350692.235	148117.833	287229.666	266478.08	285796.277	293416.962
2.8663	2.8663	2.8663	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262	2.9262
409003.849	442174.348	470570.981	626994.96	531372.755	540270.995	227555.829	443947.571	410037.527	439148.373	450395.472
40320.75	42858.21	43746.21	42134.49	37845.45	43489.8	19807.95	43707.36	41162.13	41915.82	43631.88
107.236037	106.878329	107.221102	107.485943	107.515482	106.854545	53.825951	107.125882	107.193046	106.928112	106.940882
41736	44400	45288	43512	39072	45288	40848	45288	42624	43512	45288
111	110.723192	111	111	111	111.272727	111	111	111	111	111
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
33.985814	33.928309	33.807645	33.568791	33.637957	34.005271	34.919359	34.794282	34.881581	34.617978	34.679827
33.654738	33.570851	33.443043	33.281251	33.404491	33.689807	33.816729	34.407988	34.462692	34.21339	34.288228
708765.378	766184.415	816771.315	1094756.65	926562.677	943622.633	406586.858	775392.752	717556.715	769013.02	788635.212
557050.325	634161.212	705167.482	1499621.46	1175924.05	971410.042	388341.234	585773.096	567543.562	681228.556	666777.414
-151715.05	-132023.2	-111603.83	404864.807	249361.372	27787.4088	-18245.624	-189619.66	-150013.15	-87784.464	-121857.8
557050.325	634161.212	705167.482	1499621.46	1175924.05	971410.042	388341.234	585773.096	567543.562	681228.556	666777.414
363.25	386.11	394.11	379.59	340.95	391.8	178.45	393.76	370.83	377.62	393.08
158725.769	94338.2691	22194.9122	103580.514	116680.569	215869.372	141651.076	52649.9422	33971.1753	8767.66986	20939.7346
173657.541	107032.331	24717.5604	156559.57	170912.141	274147.26	174438.459	61076.0322	39735.6897	9894.64849	23316.7264

48.121128	34.742698	16.966184	22.539066	26.276116	39.687826	55.725605	25.232711	24.53444	15.870483	20.85395
4893.74248	2926.85348	687.582604	3185.57351	3580.6749	6614.00916	4317.51134	1621.9647	1034.31658	266.19427	634.327722
22.925296	23.766476	25.372518	32.808054	29.363412	26.070246	25.27963	21.288042	21.919045	23.853302	23.999539
22.492232	23.631288	25.346469	32.790803	29.332089	25.916988	24.744779	21.240918	21.867578	23.841565	23.974439
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
55.475808	56.391112	59.301254	83.950724	78.811312	68.490673	31.766668	54.824617	53.663671	56.695224	55.749083
-273440.45	-263620.61	-251652.49	220352.778	92989.0384	-131203.5	-85210.736	-320264.51	-270678.97	-217017.01	-254400.14
-273440.45	-263620.61	-251652.49	220352.778	92989.0384	-131203.5	-85210.736	-320264.51	-270678.97	-217017.01	-254400.14
15965.1615	19685.9825	23507.3294	29723.1105	24160.9071	21261.6948	7372.62266	20746.4793	19572.5334	21958.3337	22111.2983
543655.539	664550.066	786451.223	983396.618	804470.269	719973.742	252843.703	714540.49	675721.46	751958.471	759493.157
19.26	22.49	9.2	71.51	63.63	61.4	24	12.33	9.18	3.25	5.77
151715.053	132023.203	111603.833	-404864.81	-249361.37	-27787.409	18245.6243	189619.656	150013.153	87784.4642	121857.797
-21942.488	24990.8718	86886.2726	-561424.38	-420273.51	-301934.67	-156192.83	128543.624	110277.464	77889.8157	98541.0708
262.77	297.71	347.53	225.91	198.81	231.14	96.12	329.2	318.41	339.12	346.84
						0.5				
69180.3936	84129.8781	101209.927	98402.1252	84992.4633	85434.4206	33482.6072	75042.5581	75648.9339	92762.7991	93391.508
0.77	0.88	0.98	0.92	0.64	0.92	1.43	0.97	0.93	0.98	0.97
6384.07	7296.08	8125.18	7779.52	5411.84	7779.52	12092.08	8202.32	7864.08	8286.88	8202.32
830490.773	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
830490.773	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
669424.24	723160.054	770418.174	1033994.15	876486.89	890963.23	375673.663	731177.237	676515.607	724944.65	743812.434
20858.904	22612.836	24194.912	32908.684	27741.582	27875.704	11690.134	22368.444	20606.85	22224.528	22745.626
6384.07	7296.08	8125.18	7779.52	5411.84	7779.52	12092.08	8202.32	7864.08	8286.88	8202.32
830490.773	897781.825	956819.97	1279268.68	1082935.01	1102613.54	473551.97	906037.609	838222.527	898245.57	921177.557
32957.0683	35728.2809	38227.961	52982.9812	44663.947	44879.8834	18821.1157	36013.1948	33177.0285	35781.4901	36620.4579
71.06	53.87	24.96	28.44	36.31	78.29	41.33	35.52	24.57	10.18	20.25

0.024707	0.02795	0.025122	0.034719	0.03088	0.026421	0.028396	0.022181	0.031718	0.036683	0.037328

1100.13	1166.46	1193.25	1135.17	1023.39	1191.66	1072.65	1196.85	1115.46	1132.86	1178.31
2.925877	2.908877	2.924632	2.895841	2.907357	2.927911	2.914809	2.933455	2.904843	2.889948	2.888014
1128	1200	1224	1176	1056	1224	1104	1224	1152	1176	1224
3	2.992518	3	3	3	3.007371	3	3	3	3	3

11.559418	11.538781	11.451872	11.341886	11.366768	11.425989	11.465329		11.677287	11.601817	11.556398
0.662739	0.682301	0.707878	0.826001	0.793789	0.754875	0.722878		0.609202	0.64217	0.667236
0.632863	0.646526	0.59539	0.792736	0.75601	0.722501	0.684277		0.281758	0.615589	0.634224
267928.22	290130.031	270122.618	347740.644	298819.904	333178.309	286425.79		125039.931	278401.114	297393.864
1378.64407	1294.12852	1012.22422	1307.619	1174.21399	1489.23334	1451.37395		555.836457	1088.46993	1213.9766
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
0.046063	0.050825	0.048897	0.040535	0.048125	0.044313	0.051086	0.047279	0.043802	0.042193	0.047303
117910.059	127705.244	118920.376	149851.224	128756.89	143664.631	123348.79		53956.5829	120127.09	128185.824
131473.183	142299.733	132368.653	172754.957	148507.01	165558.791	142567.444		62200.1456	138477.417	148026.288
2.1779	2.1779	2.1779	2.2241	2.2241	2.2241	2.2241		2.224099	2.2241	2.2241
125916.152	136376.43	126995.07	160955.199	138297.775	154310.18	132488.935		57954.7657	129028.508	137684.394
15423.24	16285.39	14742.98	16172.73	14407.58	16766.56	14976.04		7605.41	16144.78	16673.25
41.019255	40.611945	36.134754	41.256964	40.930625	41.195479	40.69576		19.805755	41.185663	40.865808
16168	17200	17544	16856	15136	17544	15824	17544	16512	16856	17544
43	42.892768	43	43	43	43.105651	43	43	43	43	43
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
26.737488	26.606046	26.920078	26.664855	26.879254	26.86783	27.059774		28.622347	27.402971	27.263287
26.19825	26.157218	25.968765	26.269093	26.322402	26.456605	26.539095		27.015278	26.844833	26.741615
272972.423	294804.943	279349.418	352425.406	304424.887	337695.758	291612.49		131565.135	283755.127	302789.706
264354.66	300131.786	291465.524	585997.693	462154.395	417482.898	339454.442		130100.337	302398.221	311447.084
-8617.7631	5326.84236	12116.106	233572.286	157729.508	79787.1399	47841.9511		-1464.7979	18643.0944	8657.37787
264354.66	300131.786	291465.524	585997.693	462154.395	417482.898	339454.442		130100.337	302398.221	311447.084
358.68	378.47	342.86	376.11	335.06	389.92	348.28		176.87	375.46	387.43
0.219381										
0.280458										
0.008799										
0.008799										
20.530344	21.47178	25.639253	35.467612	29.330052	24.686095	26.459009		18.419948	26.237088	21.502212
4.311372	5.367945	6.15342	9.930931	6.745912	8.886994	21.167207		2.947191	7.084013	7.740796
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01		4652.4	10376.37	11126.84
27.213138	27.731321	25.601789	34.087678	32.508437	31.143882	29.42394		12.115625	26.470331	27.271666
-70249.351	-61424.689	-50043.574	155245.052	90428.2817	4693.63722	-16632.461		-29667.904	-44147.336	-58345.353
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10232.1312	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01	4652.4	10376.37	11126.84	
267928.22	290130.031	270122.618	347740.644	298819.904	333178.309	286425.79	125039.931	278401.114	297393.864	
8617.76307	-5326.8424	-12116.106	-233572.29	-157729.51	-79787.14	-47841.951	1464.79788	-18643.094	-8657.3779	
8617.48261	-5326.8424	-12116.106	-233572.29	-157729.51	-79787.14	-47841.951	1464.79788	-18643.094	-8657.3779	
1.95	2.02	3.64	2.93	2.04	4.75	26.67	1.3	3.4	2.95	
	0.0025	0.115196				0.002717	1 0.518229		0.00245	
67017.3663	81664.2011	85548.5798	96858.0704	81848.4378	84380.9763	66121.1454	36663.0709	91300.6234	91218.6778	
1.23	1.14	2.25	1.12	1.34	1.08	1.24	1.56	1.28	1.29	
5043.984	4674.912	9226.8	4684.76176	5604.98282	4517.44884	5186.70052	6525.20388	5354.01344	5395.84167	
334604.011	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
334604.011	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
257389.335	278676.163	259363.722	333710.156	286804.785	319868.971	275056.379	120154.911	267505.925	285710.682	
10232.14	11120.26	10445.53	13362.37	11442.97	12675.56	10828.01	4652.4	10376.37	11126.84	
5043.984	4674.912	9226.8	4684.76176	5604.98282	4517.44884	5186.70052	6525.20388	5354.01344	5395.84167	
334604.011	361556.474	341509.099	430752.641	371726.113	412789.261	356086.903	159768.241	346545.557	369792.436	
10539.1042	11453.8678	10758.8959	14030.4885	12015.1185	13309.338	11369.4105	4885.02	10895.1885	11683.182	

0.01726	0.033425	0.027892	0.023239	0.028409	0.021421	0.026576	0.02522	0.035963	0.043469	0.018161

1108.53	1159.89	1189.86	1148.67	1026	1197.78	1074.66	1193.13	1110.57	1124.88	1201.77
2.948218	2.892493	2.916323	2.93028	2.914772	2.942948	2.920271	2.924338	2.892109	2.869591	2.945514
1128	1200	1224	1176	1056	1224	1104	1224	1152	1176	1224
3	2.992518	3	3	3	3.007371	3	3	3	3	3

0.28	0.14		8.849974	9.335628	3.647372	3.365164	1.962953	3.803228	6.222929	3.380291
0.000127	0.000043		0.024461	0.031772	0.002912	0.003916	0.002028	0.005157	0.011821	0.00526
0.000127	0.00004		0.023709	0.030897	0.002803	0.00375	0.002004	0.004901	0.011607	0.005171
			3066.50043	2317.19379	203.298719	418.91984	88.529136	1038.5574	5712.51263	941.63341
			10.85999	8.707348	0.793283	1.976183	0.398465	3.730296	18.75297	3.261353

2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
0.027579	0.028412	0.032867	0.032997	0.030269	0.029227	0.038328	0.025808	0.02927	0.026811	0.033946
33.6	11.2		6545.1	7719.4	804.4	969	574.1	1333.3	3236.3	1497.1
158.672999	47.86041		27082.5705	34348.6152	3674.82753	4932.78308	2654.65211	7078.03542	16896.9541	7850.07311
0.090134	0.042732		2.724018	3.048348	1.160122	1.22451	0.671217	1.374287	2.195066	1.210145
			734.590435	495.596413	42.888072	84.721806	18.973189	193.576153	1066.2249	185.808949
18370.6	19428.3	19764.6	18993.9	17036.2	19825.5	17630.4	19895.4	18673.7	19100	19749.2
48.857978	48.449625	48.442647	48.453826	48.398295	48.711302	47.908695	48.763235	48.629427	48.724489	48.404901
18800	20000	20400	19600	17600	20400	18400	20400	19200	19600	20400
50	49.875311	50	50	50	50.12285	50	50	50	50	50
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
1.261886	0.598255		49.283216	69.206928	19.415099	19.155096	10.893806	29.313197	56.122997	27.091565
1.261886	0.598255		38.677868	43.40458	16.352027	17.336465	9.434854	19.486429	31.144048	17.059939
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
161.306905	49.426086		30861.8128	40987.5369	4098.21912	5416.61627	2914.01162	8206.90544	20305.3175	9145.4459
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
161.306905	49.426086		30861.8128	40987.5369	4098.21912	5416.61627	2914.01162	8206.90544	20305.3175	9145.4459
155.71	89.34	87.71	269.32	284.69	182.95	153.36	186	227.22	350.15	263.44
158.672999	47.86041		24292.757	32219.2924	3487.32381	4538.98824	2571.50797	6064.97802	11218.9485	6916.4797
161.306905	49.426086		27399.1383	38194.9069	3882.57969	4971.79465	2821.36938	7008.76714	13376.213	8071.52336
0.8	0.4		12.657005	14.483549	5.308112	4.511576	2.852963	5.032864	8.10073	4.72707
2.4	0.8		412.357826	508.611232	54.136566	62.948442	39.544772	80.273131	151.97507	92.273794
			61.149604	68.356333	65.684188	70.576088	64.497459	73.224348	75.351894	74.324778
			23.76694	19.139773	2.627367	8.450176	2.579898	10.186408	26.373163	12.635212
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
0.006382	0.001995		1.185459	1.544886	0.14054	0.1875	0.100245	0.245052	0.580357	0.258578
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
2.633905	1.565676		3502.55532	6451.05066	407.596598	458.708188	253.97451	1103.37002	3373.85634	1287.33279
			52.342173	35.188767	3.063433	6.051557	1.355227	13.826868	75.524929	13.226205
			3066.50043	2317.19379	203.298719	418.91984	88.529136	1038.5574	5712.51263	941.63341
0.06	0.02		6.09	8.07	0.91	0.99	0.47	1.19	2.72	1.46
-2.633905	-1.565676		-3502.5553	-6451.0507	-407.5966	-458.70819	-253.97451	-1103.37	-3373.8563	-1287.3328
-163.94081	-50.991763		-30901.694	-44645.958	-4290.1763	-5430.5028	-3075.3439	-8112.1372	-16750.069	-9358.8561
			0.37	0.17	0.04	0.05	0.01	0.01	0.54	0.11
12.6195	4.8892		3466.8955	4221.4677	362.1716	376.0678	220.7807	690.7159	2058.4949	872.5771

			0.49	0.23	0.03	0.05	0.01	0.04	0.02	
			260.967	145.391	14.355	23.925	4.785	19.14	13.987	
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
158.672999	47.86041		27082.5705	34348.6152	3674.82753	4932.78308	2654.65211	7078.03542	16896.9541	7850.07311
2.4	0.8		464.7	543.8	57.2	69	40.9	94.1	227.5	105.5
			260.967	145.391	14.355	23.925	4.785	19.14	13.987	
158.672999	47.86041		27359.2575	34536.4862	3690.62253	4957.90808	2660.03711	7103.53542	16931.4611	7858.11311
			15.72	42.48	1.44	1.2	0.6	6.36	20.52	8.04
				0.01						

10.511697	10.509009	10.469237	10.282454	10.306485	10.361669	10.41061	10.634402	10.659006	10.538019	10.54768
0.421453	0.440235	0.471156	0.681963	0.644774	0.556319	0.50379	0.372762	0.36219	0.404576	0.405181
0.398977	0.418645	0.447648	0.650755	0.609778	0.524042	0.473733	0.267512	0.343414	0.383251	0.383195
262932.366	294506.697	319653.702	452464.452	382607.078	383955.347	309086.769	200780.414	244721.271	276760.918	288268.007
1348.01341	1305.21299	1198.26843	1699.65374	1502.63976	1706.17096	1562.25944	1020.01846	1143.06327	1059.21236	1156.16333
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
0.057393	0.05255	0.052867	0.049438	0.059346	0.062156	0.058913	0.070367	0.054166	0.054387	0.057205
91736.1361	102316.175	110882.946	151170.933	127724.078	128352.552	105311.614	67240.4164	81721.4691	92357.1268	96077.4135
102927.926	114592.718	124589.322	174467.472	147769.811	148351.915	121943.684	77321.4562	94652.8285	107080.454	111780.175
2.819	2.819	2.819	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367	2.9367
156777.057	174858.343	189498.955	270097.106	228204.61	229327.505	188160.26	120138.452	146011.749	165014.478	171661.515
20769.012	22208.228	22644.798	21835.532	19403.046	22422.704	20241.026	17061.976	21283.52	21721.848	22541.076

55.236734	55.382114	55.501955	55.702887	55.122289	55.092638	55.002788	41.818568	55.425833	55.412877	55.247735
22033.6	23440	23908.8	22971.2	20627.2	23908.8	21564.8	23908.8	22502.4	22971.2	23908.8
58.599999	58.453865	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
33.974001	32.856611	33.588527	33.58031	33.556896	34.037254	34.505068	40.195919	36.512001	34.62363	35.171513
30.142654	30.139923	30.026699	30.720832	30.788232	30.953089	31.092279	31.759673	31.823325	31.466723	31.492018
292365.942	317806.899	349975.679	480569.58	405789.641	412971.376	343600.636	243542.318	273980.936	301427.742	316000.153
252495.96	293849.016	328566.561	707167.692	553851.776	458972.949	355615.392	185726.061	233123.492	294602.909	292688.541
-39869.982	-23957.884	-21409.118	226598.112	148062.135	46001.5731	12014.7559	-57816.257	-40857.444	-6824.8326	-23311.612
252495.96	293849.016	328566.561	707167.692	553851.776	458972.949	355615.392	185726.061	233123.492	294602.909	292688.541
354.42	378.98	386.43	372.62	331.11	382.64	345.4	291.16	363.2	370.68	384.66
1343.89145	47.152922		22.897381	33.697067	364.563304	6431.63669	69.324056	38.966048		29.405335
1527.57173	52.352434		29.623898	45.849659	419.475009	8168.9401	65.478814	39.054797		27.830117
5.806983	1.234032		0.582614	0.886467	3.834135	8.743208	1.813666	0.847498		0.480043
45.951856	1.470624		0.676955	0.997909	11.529709	212.820124	2.073666	1.169837		0.854605
23.673437	24.612861	26.218526	40.184046	36.042256	29.630289	26.221795	24.155952	22.447257	24.348253	24.905564
21.731547	20.426436	23.334488	37.364468	30.633704	27.81091	26.205725	19.556169	21.071226	20.452532	21.390224
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74
23.380085	24.471456	26.232205	38.134244	35.733034	30.784343	27.760777	15.67624	20.124114	22.458535	22.455245
-87820.46	-77438.548	-79367.634	147581.065	81300.7593	-21088.306	-43031.624	-92962.823	-83573.256	-55099.903	-73531.276
-87820.46	-77438.548	-79367.634	147581.065	81300.7593	-21088.306	-43031.624	-92962.823	-83573.256	-55099.903	-73531.276
8744.96014	9811.58338	10702.74	14947.947	12577.0301	12517.6983	10003.1459	6393.83233	7726.49016	8803.746	9160.88539
262932.366	294506.697	319653.702	452464.452	382607.078	383955.347	309086.769	200780.414	244721.271	276760.918	288268.007
0.1	0.03		0.05	0.05	0.13	4.22		0.02		
39869.9816	23957.8838	21409.1184	-226598.11	-148062.13	-46001.573	-12014.756	57816.2574	40857.4444	6824.8326	23311.6121
38342.4098	23905.5314	21409.1184	-226627.74	-148107.98	-46421.048	-20183.696	57750.7786	40818.3896	6824.8326	23283.782
19.04	22.59	21.94	17.75	16.42	22.07	153.25	15.76	19.74	21.99	22.79
						0.002717	0.232843			
61834.0899	77631.9562	91713.9223	89393.2891	76950.3581	77631.8366	61213.7468	49351.7741	68514.7694	85556.0284	85639.9531
1.51	1.25	1.63	1.48	1.22	1.51	1.48	2.25	1.54	1.3	1.46
28089.6844	23253.05	30321.9772	28082.2304	23148.8656	28651.4648	28082.2304	42692.58	29220.6992	24666.824	27702.7408
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
259704.983	289451.061	314088.277	444564.579	375974.42	377679.42	310103.944	197459.908	240664.577	272094.933	283441.69
8790.912	9813.054	10702.74	14948.624	12578.028	12529.228	10215.966	6395.906	7727.66	8803.746	9161.74

28089.6844	23253.05	30321.9772	28082.2304	23148.8656	28651.4648	28082.2304	42692.58	29220.6992	24666.824	27702.7408
340316.42	371287.564	407934.195	559586.627	472551.016	480061.255	398647.017	278688.884	316696.748	349702.812	366219.817
4571.27424	5102.78808	5565.4248	7922.77072	6666.35484	6640.49084	5414.46198	3389.83018	4095.6598	4665.98538	4855.7222
0.33	0.09		0.04	0.06	0.37	9.24	0.18	0.09		0.1
			6.75	7.35	1.95	2.25	1.8	3	5.7	3
			0.015932	0.024476	0.001426	0.002191	0.001455	0.004495	0.009688	0.003981
			0.015663	0.02375	0.001397	0.002146	0.001421	0.004427	0.009566	0.003946
			370.830489	344.706968				15.217507	778.796252	141.568398
			1.285538	1.292621				0.052276	2.507255	0.477086
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
0.031223	0.030875	0.026495	0.025969	0.032755	0.038333	0.040815	0.040049	0.02677	0.02704	0.032377
			1289.4	1755.6	119.7	165.9	121.8	357	787.5	338.1
			5056.98578	7631.53637	549.954844	848.823104	559.683326	1896.96734	4142.2187	1788.90866
			1.849983	2.216884	0.574771	0.7563	0.568469	1.024862	1.923149	1.015881
			86.764269	70.816708				2.751089	140.028911	26.842143
5099.64	5427.1	5560.66	5345.48	4766.58	5493.04	4941.72	5483.24	5232.08	5339.6	5527.06
13.562872	13.533915	13.629068	13.636428	13.54142	13.496412	13.428586	13.439313	13.625208	13.621428	13.546715
5264	5600	5712	5488	4928	5712	5152	5712	5376	5488	5712
14	13.965087	14	14	14	14.034398	14	14	14	14	14
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
			29.810759	33.642551	8.621566	11.594512	8.527035	15.372933	28.888904	15.988224
			29.810759	33.642551	8.621566	11.594512	8.527035	15.372933	28.888904	15.988224
			5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
			5740.88482	9131.41101	621.614448	914.556591	600.973028	2154.07915	4927.77894	2081.33352
			400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
			5740.88482	9131.41101	621.614448	914.556591	600.973028	2154.07915	4927.77894	2081.33352
75.02	47.56	51.92	147.76	142.26	91.8	85.34	104.99	130.96	171.79	148.35
			4969.65529	7339.3294	549.954844	859.323104	559.683326	1881.74983	3373.92245	1657.84027
			5346.24321	8733.15671	621.614448	914.556591	600.973028	2135.5787	4008.56372	1919.20514
			6.250761	6.769916	1.82	2.1	1.68	2.784716	4.932848	2.507076
			80.175715	112.318886	7.98	11.06	8.12	23.616594	43.164739	20.750523
			68.873714	74.540929				83.267707	84.161035	78.826877
			6.887371	7.454092				0.832677	14.307375	6.30615
			85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54

				0.219285	0.3325	0.019606	0.030054	0.019901	0.061979	0.133928	0.055245
				400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
				400.399038	1447.37464	71.659603	55.233486	41.289702	257.111811	775.060237	281.924859
				5.784284	4.721113				0.183405	9.33526	1.789476
				370.830489	344.706968				15.217507	778.796252	141.568398
				4.53	4.69	0.45	0.71	0.53	1.16	1.77	0.87
				-400.39904	-1447.3746	-71.659603	-55.233486	-41.289702	-257.11181	-775.06024	-281.92486
				-5746.6423	-10180.531	-693.27405	-969.79008	-642.26273	-2392.6905	-4783.624	-2201.13
				0.32	0.2					0.3	0.07
				1702.5344	2175.0168	134.6501	163.5556	120.5732	423.5944	1107.9598	448.179
				0.27	0.05		0.01			0.01	0.01
				283.5	52.5		10.5			10.5	10.5
				5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
				5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
				5056.98578	7631.53637	549.954844	848.823104	559.683326	1896.96734	4142.2187	1788.90866
				85.96	117.04	7.98	11.06	8.12	23.8	52.5	22.54
				283.5	52.5		10.5			10.5	10.5
				5340.48578	7684.03637	549.954844	859.323104	559.683326	1896.96734	4152.7187	1799.40866
					0.01						
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0.300144	0.308577	0.318576	0.462327	0.437269	0.372885	0.304684	0.238489	0.263074	0.306205	0.303184	
0.289446	0.29686	0.302784	0.447281	0.420932	0.358565	0.247606	0.194365	0.238121	0.295128	0.291565	
1075001.27	1249454.74	1376342.66	1837319.32	1514936.48	1441602.67	861535.741	918920.579	1057861.74	1346288.53	1362874.88	
5511.55037	5554.368	5167.91848	6880.62242	5925.32009	6403.03018	4332.09202	4676.82177	4961.82449	5211.60098	5514.72753	
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746	
0.031491	0.035231	0.034928	0.032012	0.03485	0.033656	0.036867	0.035053	0.034784	0.034807	0.035207	
443197.092	482212.511	497802.022	686296.159	583665.602	582380.022	363896.629	320686.641	372573.368	471145.332	484451.079	
497873.731	539927.556	557181.708	906679.636	775790.752	695437.019	449275.459	380826.483	454746.657	590024.468	587392.143	
2.674648	2.674891	2.69034	2.8424	2.846565	2.773353	2.725847	2.944028	2.857284	2.794481	2.766267	
691697.058	753409.121	787065.005	1058047.27	897875.14	923908.68	548205.025	564086.023	614004.041	733191.359	759741.381	
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353.872585	352.141017	348.788549	354.822288	353.168497	353.512737	298.482326	299.016178	332.324882	353.736053	352.864524	
138029.6	146840	149776.8	143903.2	129219.2	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8	

367.099999	366.184538	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
103.561939	101.993491	98.079387	215.427281	240.192356	162.559227	164.961695	107.665911	171.352713	218.733437	166.175198
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1077819.66	1230719.42	1325652.74	2995123.72	2377440.81	1888063.48	1131537.19	792946.821	973353.308	1359969.74	1317152.94
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1465.33	1408.65	1364.93	1802.55	1664.65	1660.03	1286.74	1110.65	1436.11	1894.51	1772.92
163202.021	96549.8336	22513.4018	224991.954	239024.666	247439.444	177015.66	67917.5332	57007.0841	34958.2806	41736.9576
178579.24	109379.399	25050.5684	296135.167	320177.908	309707.141	215425.673	78382.9853	67540.4166	41746.624	48266.8614
12.466508	8.901604	4.898711	12.510159	14.329706	13.279584	14.943967	7.64552	8.130055	7.747412	6.707865
5000.42953	2968.12787	692.644586	5368.96513	5709.13702	7167.49584	5015.9682	1901.44693	1404.48154	670.903858	963.275196
23.576436	24.773507	26.218718	41.545221	39.647605	32.390287	31.25773	25.013463	28.369223	36.477671	30.840173
23.352836	24.694835	26.205365	41.497499	39.628613	32.245848	31.085239	24.965465	28.310658	36.461317	30.805946
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
106.255893	108.70581	111.152308	164.197086	154.524204	131.952805	90.896331	71.351691	87.414244	108.341744	107.033691
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34951.7865	40622.9021	44657.4974	58996.2929	48683.383	46537.2962	28433.8818	27210.0431	32162.5885	41799.0601	42706.4708
1075001.27	1249454.74	1376342.66	1837319.32	1514936.48	1441602.67	861535.741	918920.579	1057861.74	1346288.53	1362874.88
20.52	23.25	9.31	111.08	95.46	70.4	37.77	17.25	15.67	12.41	12.6
199901.371	150509.19	120877.283	-892265.93	-589313.97	-158072.93	-47624.778	244786.191	185125.495	59584.7886	128759.797
21322.131	41129.7906	95826.7144	-1188401.1	-909491.88	-467780.07	-263050.45	166403.206	117585.078	17838.1646	80492.9356
283.77	322.35	373.12	252.19	219.67	258.54	277.46	345.22	340.99	369.14	374.54
	0.000227	0.010472				0.045948	0.112076	0.047111		0.000222
198290.078	243610.971	278506.383	302043.515	258955.8	250230.445	163613.478	125799.158	183963.478	276739.812	274004.032
3.53	3.32	4.86	5.12	4	3.93	4.46	3.28	4.22	3.75	3.85
39526.3394	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
1509028.49	1633058.22	1706696.87	2444714.1	2078561.77	2031164.84	1270398.32	1203524.44	1350063.53	1659852.58	1695677.48
1509028.49	1633058.22	1706696.87	2444714.1	2078561.77	2031164.84	1270398.32	1203524.44	1350063.53	1659852.58	1695677.48
1189570.79	1293336.68	1344246.71	1964726.9	1673665.89	1619345.7	997480.483	944912.506	1068750.7	1323215.83	1347133.52
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
39526.3394	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
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48623.8988	52646.3928	54609.3537	96671.4409	79869.2674	69510.9867	40926.8298	41898.8894	46033.1845	57936.3124	57415.1771
71.39	53.96	24.96	28.57	36.65	78.84	50.57	35.7	24.66	10.18	20.35
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944
1590.36919	2348.11687	3261.16281	1866.9495	1645.73085	1669.23672	1961.5689	2579.38413	2498.21865	3324.60859	3327.75659
-73329.941	-89682.391	-108017.77	-104440.3	-90030.016	-91519.122	-72813.257	-79973.835	-80575.53	-99341.161	-99782.655
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944
282.84	321.86	372.51	250.12	218.1	257.69	278.22	354.09	342.9	368.84	374.3
133.801615	163.935772	204.262772	180.388813	180.68543	153.785139	149.232626	156.332181	179.576032	216.481619	210.387398
58.452997	78.92878	102.566978	69.94323	79.516193	68.52699	62.771323	76.332167	77.28691	105.585604	101.75464
16772.9172	25839.0432	38797.2594	20215.8776	19272.4686	18494.6769	17870.5312	27258.9176	26773.9326	39151.5819	38360.2735
-73329.941	-89682.391	-108017.77	-104440.3	-90030.016	-91519.122	-72813.257	-79973.835	-80575.53	-99341.161	-99782.655
-195.02644	-223.64686	-264.74944	-266.42935	-255.76709	-224.86271	-197.86211	-196.0143	-209.83211	-253.42133	-244.56533
-1725294.2	-2228027.3	-2803573.3	-4215948.9	-3301758.4	-2748671.6	-2053058.8	-1785974.1	-1934551.7	-2636626.7	-2563874.4
-23.52086	-24.838051	-25.949067	-40.371985	-36.666719	-30.040663	-28.212595	-22.321448	-23.996975	-26.533927	-25.684666
-1725294.2	-2228027.3	-2803573.3	-4215948.9	-3301758.4	-2748671.6	-2053058.8	-1785974.1	-1934551.7	-2636626.7	-2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
2040084.75	2757504.79	3670952.03	4719767.26	3728398.85	3126442.16	2443534.67	2293934.27	2466675.51	3486385.01	3384785.35
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944
1590.36919	2348.11687	3261.16281	1866.9495	1645.73085	1669.23672	1961.5689	2579.38413	2498.21865	3324.60859	3327.75659
-73329.941	-89682.391	-108017.77	-104440.3	-90030.016	-91519.122	-72813.257	-79973.835	-80575.53	-99341.161	-99782.655
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944
282.84	321.86	372.51	250.12	218.1	257.69	278.22	354.09	342.9	368.84	374.3
133.801615	163.935772	204.262772	180.388813	180.68543	153.785139	149.232626	156.332181	179.576032	216.481619	210.387398
58.452997	78.92878	102.566978	69.94323	79.516193	68.52699	62.771323	76.332167	77.28691	105.585604	101.75464

16772.9172	25839.0432	38797.2594	20215.8776	19272.4686	18494.6769	17870.5312	27258.9176	26773.9326	39151.5819	38360.2735
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-1725294.2	-2228027.3	-2803573.3	-4215948.9	-3301758.4	-2748671.6	-2053058.8	-1785974.1	-1934551.7	-2636626.7	-2563874.4
-23.52086	-24.838051	-25.949067	-40.371985	-36.666719	-30.040663	-28.212595	-22.321448	-23.996975	-26.533927	-25.684666
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1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
2040084.75	2757504.79	3670952.03	4719767.26	3728398.85	3126442.16	2443534.67	2293934.27	2466675.51	3486385.01	3384785.35
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4

265129.104	289860.523	301463.418	316264.172	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
1370.12394	1301.19281	1146.26106	1193.27088	1145.55069	1501.30018	1685.97638	1723.77737	1256.5127	835.36874	878.070636
7051.30596	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
164518.287	189157.157	205900.733	342273.928	272674.401	253271.217	236994.451	189986.921	151471.444	134758.492	135103.941
7051.30596	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
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265129.104	289860.523	301463.418	316264.172	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
100610.817	100703.366	96338.4073	-7607.8449	18807.7413	80880.1272	94746.8898	146300.538	106241.459	73506.7685	76629.0131
100610.817	100703.366	96338.4073	-7607.8449	18807.7413	80880.1272	94746.8898	146300.538	106241.459	73506.7685	76629.0131
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
7051.30596	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037

265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
7051.30596	7709.05646	8037.47669	8579.66244	7456.69334	8548.25644	8486.60374	8602.90251	6592.80897	5327.83986	5416.55037
164518.287	189157.157	205900.733	342273.928	272674.401	253271.217	236994.451	189986.921	151471.444	134758.492	135103.941
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265129.104	289860.523	302239.141	334666.083	291482.143	334151.344	331741.34	336287.459	257712.903	208265.26	211732.954
259763.973	283759.319	295220.304	308975.477	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
1342.5208	1273.829	1122.60188	1165.7733	1118.42201	1466.06671	1644.43637	1682.53727	1229.18055	814.55664	856.628713
7929.30319	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
184984.283	212523.515	231393.151	384610.688	306339.5	284574.207	266071.707	213408.344	170348.79	151314.458	151704.006
26.133516	26.221544	24.813357	31.955704	32.774612	26.740918	23.045845	20.32518	20.29423	21.534495	22.520772
0.784005	0.52443	2.481335	0.958671	0.983238	1.337045	5.300544	11.991856	4.667673	0.861379	1.126038
7929.30319	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
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7929.30319	8661.76186	9011.12272	9103.47959	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
259763.973	283759.319	295220.304	308975.477	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
74779.6897	71235.8036	64582.3568	-57750.531	-21754.238	41722.3425	57523.8246	114840.606	81727.3022	51782.2837	54866.5688
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0.32	0.44	0.61	0.16	0.22	0.22	2.2	9.83	2.68	0.27	0.51
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
259763.973	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
259763.973	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
7929.30319	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
259763.973	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
259763.973	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
7929.30319	8661.76186	9033.82296	9641.17663	8377.5467	9605.43271	9525.92085	9662.90698	7420.55025	5978.7089	6080.9707
184984.283	212523.515	231393.151	384610.688	306339.5	284574.207	266071.707	213408.344	170348.79	151314.458	151704.006
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259763.973	283759.319	295975.507	326860.157	284585.261	326296.549	323595.531	328248.95	252076.092	203096.741	206570.575
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
646.475408	661.530467	707.88171	699.793342	696.02604	918.678111	1059.64567	897.639936	975.531984	817.425124	847.006157

2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
56068.8114	69582.7269	92498.7072	143668.398	126685.384	116953.652	111031.533	74510.3851	88526.2176	99714.8719	99836.7462
2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
6.476218	7.166563	8.916943	9.254842	9.799806	9.807591	11.017972	8.375988	10.211574	10.166071	9.796896
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2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
68679.2126	77641.6373	93881.8228	42188.8318	50034.1284	87540.6186	96686.3334	100563.193	112359.138	104441.801	104936.426
68679.2126	77641.6373	93881.8228	42188.8318	50034.1284	87540.6186	96686.3334	100563.193	112359.138	104441.801	104936.426
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	71949.437	79973.8353	79095.2982	99341.1613	99782.6548
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
2435.05805	2873.792	3638.11302	3627.8983	3449.53176	3991.68985	4054.61383	3417.40344	3921.2445	3985.1	3997.13394
56068.8114	69582.7269	92498.7072	143668.398	126685.384	116953.652	111031.533	74510.3851	88526.2176	99714.8719	99836.7462
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124748.024	147224.364	186380.53	185857.23	176719.512	204494.271	207717.866	175073.578	200885.356	204156.673	204773.172
314930.011	298863.547	292903.244	338370.081	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
1634.72155	1345.76086	1123.27528	1287.37796	852.106299	1512.96933	1746.90591	1514.36835	1400.70861	965.555913	1034.46066
4189.57045	3975.83539	3909.25226	4665.07476	2790.39232	4341.76997	4441.70525	3821.66169	3704.40535	3098.8705	3221.2555
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4189.57045	3975.83539	3896.44583	4395.56446	2790.39232	4341.76997	4441.70525	3821.66169	3704.40535	3098.8705	3221.2555
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218418.555	202758.073	196088.294	177374.085	112524.874	208079.351	220266.003	211489.087	204669.445	164932.189	170317.453

218418.555	202758.073	196088.294	177374.085	112524.874	208079.351	220266.003	211489.087	204669.445	164932.189	170317.453
73329.9413	89682.391	108017.77	103807.125	88315.1109	91359.1056	72796.2584	79973.8353	80422.1293	97794.9565	98336.7621
314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
4189.57045	3975.83539	3909.25226	4665.07476	2790.39232	4341.76997	4441.70525	3821.66169	3704.40535	3098.8705	3221.2555
314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
4189.57045	3975.83539	3909.25226	4665.07476	2790.39232	4341.76997	4441.70525	3821.66169	3704.40535	3098.8705	3221.2555
96511.4562	96105.4734	97794.2741	181563.246	102474.855	126454.024	121967.387	82969.9469	80754.9871	73835.7825	77880.2831
-218418.55	-202758.07	-196088.29	-177374.08	-112524.87	-208079.35	-220266	-211489.09	-204669.45	-164932.19	-170317.45
314930.011	298863.547	293882.568	358937.331	214999.729	334533.376	342233.389	294459.033	285424.433	238767.972	248197.736
964571.112	1019707.75	1075967.5	1149466.96	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
4993.84169	4582.31314	4100.01993	4346.21548	3812.10503	5399.01433	6136.96433	5818.32294	4861.93384	3432.90642	3616.16616
21605.2377	23220.4457	24618.6649	26513.8121	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
502082.838	567368.872	627586.865	1052116.26	808174.14	781253.1	736065.077	560875.597	491101.438	459623.604	464524.976
26.133516	26.221544	24.813357	31.955704	32.774612	26.740918	23.045845	20.32518	20.29423	21.534495	22.520772
0.784005	0.52443	2.481335	0.958671	0.983238	1.337045	5.300544	11.991856	4.667673	0.861379	1.126038
21605.2377	23220.4457	24618.6649	26513.8121	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
57.460738	57.906348	60.339865	67.637275	62.710693	65.07899	72.034901	62.511947	56.351586	46.914589	45.872329
-462488.27	-452338.88	-450890.88	-154204.54	-159612.5	-418222.44	-469223.05	-573193.42	-504997.34	-394663.04	-406749.46
-462488.27	-452338.88	-450890.88	-154204.54	-159612.5	-418222.44	-469223.05	-573193.42	-504997.34	-394663.04	-406749.46
21605.2377	23220.4457	24563.0127	25228.1337	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
964571.112	1019707.75	1075967.5	1149466.96	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
462488.274	452338.88	450890.881	154204.541	159612.505	418222.44	469223.051	573193.424	504997.344	394663.043	406749.461
462488.274	452338.88	450890.881	154204.541	159612.505	418222.44	469223.051	573193.424	504997.344	394663.043	406749.461
0.32	0.44	0.61	0.16	0.22	0.22	2.2	9.83	2.68	0.27	0.51
293319.765	358729.564	432071.078	417128.037	358405.158	365916.472	290372.209	319895.341	320668.488	395818.44	397684.727
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
21605.2377	23220.4457	24618.6649	26513.8121	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
21605.2377	23220.4457	24618.6649	26513.8121	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
502082.838	567368.872	627586.865	1052116.26	808174.14	781253.1	736065.077	560875.597	491101.438	459623.604	464524.976

-462488.27	-452338.88	-450890.88	-154204.54	-159612.5	-418222.44	-469223.05	-573193.42	-504997.34	-394663.04	-406749.46
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
11.133899	11.109974	11.041973	10.799027	10.847007	10.924556	10.959528	11.070249	11.145194	11.121257	11.127976
0.300144	0.308577	0.318576	0.462327	0.437269	0.372885	0.304684	0.238489	0.263074	0.306205	0.303184
0.289446	0.29686	0.302784	0.447281	0.420932	0.358565	0.247606	0.194365	0.238121	0.295128	0.291565
1725294.25	2228027.25	2803573.3	4215948.9	3301758.37	2748671.56	2053058.78	1785974.1	1934551.71	2636626.75	2563874.4
2354362.88	2798640.03	3319688.89	3490604.63	2909363.6	3018848.81	2457299.76	2560949.77	2586084.32	3050333.44	3055060.26
12095.7613	12484.798	12529.1012	13093.7874	11383.156	13471.2812	12430.6252	13074.5288	12321.977	11969.116	12458.6503
-11772.488	-22870.915	-38048.963	-13561.234	-13563.332	-11327.181	-12854.563	-25357.471	-25369.451	-38480.678	-37396.998
3380500.36	3596276.98	3668407.52	3604713.26	3236885.38	3751844.42	3384016.53	3751844.42	3531147.69	3604713.26	3751844.42
0.031491	0.035231	0.034928	0.032012	0.03485	0.033656	0.036867	0.035053	0.034784	0.034807	0.035207
443197.092	482212.511	497802.022	686296.159	583665.602	582380.022	363896.629	320686.641	372573.368	471145.332	484451.079
497873.731	539927.556	557181.708	906679.636	775790.752	695437.019	449275.459	380826.483	454746.657	590024.468	587392.143
2.674648	2.674891	2.69034	2.8424	2.846565	2.773353	2.725847	2.944028	2.857284	2.794481	2.766267
691697.058	753409.121	787065.005	1058047.27	897875.14	923908.68	548205.025	564086.023	614004.041	733191.359	759741.381
89.79695	47.81311	17.877438	9343.09026	4923.32146	789.622565	2195.06475	663.008658	2053.32646	6629.24515	2967.06292
133056.092	141208.548	142305.728	139090.337	124315.311	143879.684	109841.496	121998.601	127612.755	138664.533	143968.726
353.872585	352.141017	348.788549	354.822288	353.168497	353.512737	298.482326	299.016178	332.324882	353.736053	352.864524
138029.6	146840	149776.8	143903.2	129219.2	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.099999	366.184538	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
39952.216	43591.03	45350.142	64365.258	54392.52	53704.792	33449.85	29111.49	33567.07	42469.964	43669.746
103.561939	101.993491	98.079387	215.427281	240.192356	162.559227	164.961695	107.665911	171.352713	218.733437	166.175198
30.987227	30.923376	30.907943	32.141796	32.290098	31.582932	31.067063	34.023058	33.197229	32.416863	32.071576
1277721.03	1381228.61	1446530.02	2102857.79	1788126.84	1729990.55	1083912.41	1037733.01	1158478.8	1419554.53	1445912.74
1077819.66	1230719.42	1325652.74	2995123.72	2377440.81	1888063.48	1131537.19	792946.821	973353.308	1359969.74	1317152.94
73329.9413	89682.391	108017.77	104440.304	90030.0157	91519.122	72813.2567	79973.8353	80575.5301	99341.1613	99782.6548
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1579902.49	1798088.3	1953239.61	4047239.98	3185614.95	2669316.58	1867602.27	1353822.42	1464454.75	1819593.34	1781677.92
1465.33	1408.65	1364.93	1802.55	1664.65	1660.03	1286.74	1110.65	1436.11	1894.51	1772.92
163202.021	96549.8336	22513.4018	224991.954	239024.666	247439.444	177015.66	67917.5332	57007.0841	34958.2806	41736.9576
19.556348	20.436949	21.210361	30.905994	28.548408	23.922977	22.772642	18.828276	19.483224	21.146557	20.791837
314790.501	529477.536	867378.728	503818.353	426640.475	377770.597	390475.894	507960.165	532123.802	849758.263	820910.944

282.84	321.86	372.51	250.12	218.1	257.69	278.22	354.09	342.9	368.84	374.3
133.801615	163.935772	204.262772	180.388813	180.68543	153.785139	149.232626	156.332181	179.576032	216.481619	210.387398
5.845299	7.892878	11.39633	5.828602	6.626349	5.710582	5.230943	6.939287	6.440575	8.7988	8.479553
16,772.92	25,839.04	38,797.26	20,215.88	19,272.47	18,494.68	17,870.53	27,258.92	26,773.93	39,151.58	38,360.27
178579.24	109379.399	25050.5684	296135.167	320177.908	309707.141	215425.673	78382.9853	67540.4166	41746.624	48266.8614
6.233254	4.450802	2.177204	7.297593	8.358995	7.746424	8.717314	4.170283	4.742532	4.519324	3.912921
5,000.43	2,968.13	692.64	5,368.97	5,709.14	7,167.50	5,015.97	1,901.45	1,404.48	670.90	963.28
23.532236	24.770612	26.256794	41.474917	39.616867	32.304037	30.949769	24.487774	28.037602	36.43175	30.858674
23.310433	24.692639	26.243815	41.427734	39.598498	32.164361	30.784484	24.445008	27.980427	36.415434	30.82453
-11772.488	-22870.915	-38048.963	-13561.234	-13563.332	-11327.181	-12854.563	-25357.471	-25369.451	-38480.678	-37396.998
-31.309807	-57.034701	-93.257261	-34.594984	-38.532191	-27.830911	-34.930877	-62.150663	-66.066278	-98.164995	-91.659309
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-81.830165	-74.488422	-67.641765	-71.110298	-71.109875	-77.183001	-83.043384	-81.551875	-78.800698	-69.851289	-71.193594
-5999491.7	-6678981.9	-7303915.8	-7424457.1	-6399377.2	-7061839.8	-6045159.5	-6521589.6	-6347407	-6935885.9	-7100992.8
56557.0241	63843.3478	69220.5101	84224.4266	70757.5471	73024.4451	54942.7255	52714.9177	53801.5975	60189.5794	61422.3813
2039572.38	2269162.49	2452310.16	2986786.28	2482723.13	2641078.21	2066823.87	2052989.6	2053960.52	2200575.18	2234149.32
5768184.25	6427152.3	7043748.99	7082600.77	6108942.29	6760665.49	5858673.59	6355798.14	6155822.24	6695587.84	6851228.08
5904395.51	6847250.43	7886077.14	7290283.96	6215404.85	6828728.94	6033723.81	6785375.32	6620405.63	7503599.48	7623872.16
	0.000227	0.010472				0.045948	0.112076	0.047111		0.000222
564939.784	692022.926	818595.23	823611.856	707390.973	707666.038	526798.944	525668.334	585207.496	771899.413	771471.414
3.53	3.32	4.86	5.12	4	3.93	4.46	3.28	4.22	3.75	3.85
39526.3394	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
7579394.2	8477070.2	9257155.44	11471697.1	9584992.17	9731156.35	7912761.76	7875411.98	7811861.72	8755479.24	8882670.74
4198893.85	4880793.22	5588747.92	7866983.8	6348106.79	5979311.94	4528745.22	4123567.56	4280714.03	5150765.97	5130826.32
1189570.79	1293336.68	1344246.71	1964726.9	1673665.89	1619345.7	997480.483	944912.506	1068750.7	1323215.83	1347133.52
61557.4537	66811.4757	69968.8069	90879.0701	76466.6841	80191.941	59958.6937	54616.3646	55206.0791	60860.4833	62385.6565
39526.3394	35245.5445	47673.9572	41459.4452	34591.6774	41133.8621	45505.0984	50921.6175	43694.9206	38402.3884	41364.0405
4198893.85	4880793.22	5588747.92	7866983.8	6348106.79	5979311.94	4528745.22	4123567.56	4280714.03	5150765.97	5130826.32
48623.8988	52646.3928	54609.3537	96671.4409	79869.2674	69510.9867	40926.8298	41898.8894	46033.1845	57936.3124	57415.1771
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437
21605.2377	23220.4457	24618.6649	26513.8121	22074.1641	26487.149	26508.8437	25504.8746	21639.0091	18390.5193	18715.9105
502082.838	567368.872	627586.865	1052116.26	808174.14	781253.1	736065.077	560875.597	491101.438	459623.604	464524.976
-462488.27	-452338.88	-450890.88	-154204.54	-159612.5	-418222.44	-469223.05	-573193.42	-504997.34	-394663.04	-406749.46
964571.112	1019707.75	1078477.75	1206320.8	967786.645	1199475.54	1205288.13	1134069.02	996098.782	854286.646	871274.437

2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75
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-3531147.7	-3457582.1	-3825410	-3604897.2	-3826881.3	-3301623.1	-3676807.5	-3451696.9	-3976955.1	-3451696.9	-3526733.8
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75
3531147.69	3457582.11	3825410	3604897.18	3826881.31	3301623.09	3676807.53	3451696.86	3976955.08	3451696.86	3526733.75

22.160352	24.580448	25.860484	26.990415	40.944348	37.334304	30.344395	28.654327	22.664347	23.664364	26.194364
22.850262	22.850162	22.850162	22.850182	23.307244	23.307145	23.307224	23.307185	23.307126	23.307027	23.307185
22.038334	24.458391	25.738412	26.868371	40.820706	37.21068	30.220734	28.530694	22.540706	23.540716	26.070716
22.132194	24.552281	25.832314	26.962251	40.915815	37.305775	30.315858	28.625796	22.635814	23.63583	26.16583
21.428243	23.848105	25.128052	26.258153	40.202499	36.592562	29.602431	27.912529	21.922501	22.922475	25.452476
21.700437	24.120386	25.400367	26.530404	40.478314	36.868338	29.87829	28.188326	22.198315	23.198306	25.728306
22.113422	24.533503	25.813534	26.943475	40.896793	37.286756	30.296833	28.606776	22.616792	23.616807	26.146807
22.150966	24.571059	25.851094	26.981027	40.934837	37.324794	30.334882	28.644817	22.654836	23.654853	26.184853

21.054286	21.054286	21.054286	21.054286	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371	21.475371
1.15	1.15	1.15	1.15	1.18	1.18	1.18	1.18	1.18	1.18	1.18
21.86	24.28	25.56	26.69	40.64	37.03	30.04	28.35	22.36	23.36	25.89
4.687947	4.758923	5.539234	6.177745	6.160472	6.182588	5.560971	5.043491	4.751148	4.771879	4.808721
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
0.035885	0.032393	0.032908	0.03778	0.033308	0.042471	0.031887	0.035027	0.027405	0.027961	0.024202
8329.95	8185.95	9051.975	8486.775	8874.225	7583.625	8538.75	7989.975	9278.55	8048.475	8255.25
21.692578	21.771143	21.707374	21.649936	21.750551	21.544389	21.838235	21.711888	21.883372	21.870855	21.955452
8640	8460	9360	8820	9180	7920	8820	8280	9540	8280	8460
22.5	22.5	22.446043	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5

17.61					4	1.68		9.7	3.66	3.96

2.8257	0.65933	1.60123	0.65933	7.723579	7.911959	6.31073	6.593299	1.8838	3.95598	7.158439
0.014703	0.001723	0.002097	0.000469	0.100703	0.086769	0.02421	0.025045	0.006072	0.018478	0.037722
0.014375	0.001702	0.002043	0.000459	0.098504	0.08446	0.023622	0.024429	0.005825	0.017961	0.036755
3369.40218	7.008419	1043.80509	354.212797	45637.0278	25932.1804	4565.2983	2745.34313	1866.90132	6435.02643	32946.5819
13.950442	0.033674	4.251214	1.186365	161.337083	96.058698	18.527826	12.634647	8.852411	22.358548	108.618655
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56

0.033854	0.028776	0.029423	0.027397	0.027843	0.026761	0.02653	0.025	0.030188	0.035298	0.025
3015.58704	349.63328	464.3567	98.33436	21955.8774	16241.5585	5058.75652	4911.25498	1349.36594	3611.05622	7549.89364
14865.7521	1731.14806	2731.49042	672.678189	101971.978	76914.9646	26279.8448	25220.2148	6588.62883	18515.354	38235.8562
1.465594	0.34474	0.993724	0.464948	3.869325	4.122695	3.402909	3.531353	0.972895	2.13283	3.773495
575.660795	1.199303	153.487359	46.134399	8160.97097	4502.67689	765.000753	444.462494	321.492805	1062.40651	5517.96081
21518	21180.44	23418.08	22113.08	23005.12	19869.64	22132.8	20810.4	23849.6	20590.58	21262.8
56.036458	56.330957	56.158465	56.410918	56.385098	56.44784	56.605626	56.55	56.249056	55.952663	56.55
22272	21808	24128	22736	23664	20416	22736	21344	24592	21344	21808
58	58	57.860911	58	58	58	58.148337	58	58	58	58
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
16.38666	3.881631	10.917241	4.965248	43.759619	46.165335	38.107195	39.609894	10.874168	23.684379	42.206517
16.38666	3.881631	10.917241	4.965248	43.759619	46.165335	38.107195	39.609894	10.874168	23.684379	42.206517
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
21859	2240.7758	3354.75862	801.339706	141222.939	111625.44	35648.8158	33575.6361	8914.05681	26340.3068	55847.6819
4278.41669	185.773839	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.58586	1094.47177	4536.82466	10667.1382
21859	2240.7758	3354.75862	801.339706	141222.939	111625.44	35648.8158	33575.6361	8914.05681	26340.3068	55847.6819
94.73	132.69	104.31	99.27	270.46	247.21	202.66	191.66	130.8	162.51	254.25
14211.1811	2047.99354	2122.25883	405.848191	76589.9092	65915.1144	26447.9617	27074.7071	5952.68372	15368.4557	12233.9619
17626.1431	2233.53349	2253.99378	429.261275	88099.0391	79733.3197	30095.805	30438.4336	6785.17785	18632.6831	15243.0996
15.067745	4.044083	6.262772	2.257839	35.004513	40.115524	35.509262	38.632423	8.896556	17.981457	19.907912
259.043024	36.992671	33.004495	5.541985	1464.58291	1246.29808	455.861106	474.232135	109.127628	270.586018	215.727023
55.581829	55.042218	64.473383	70.761641	55.118074	56.163287	60.201932	59.180771	55.747118	57.779325	58.404661
12.731403	0.550422	8.985949	4.953236	45.062244	47.105896	31.21698	17.082366	8.911343	21.305872	44.309978
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
0.83375	0.098723	0.118225	0.026632	5.713284	4.898693	1.373606	1.416902	0.337877	1.041793	2.131808
4278.41669	185.773839	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.58586	1094.47177	4536.82466	10667.1382
4278.41669	185.773839	188.694699	41.278717	18996.0021	19778.1454	4635.55582	3755.58586	1094.47177	4536.82466	10667.1382
61.116975	0.127328	16.295504	4.898014	866.437091	478.041924	81.218893	47.187864	34.132371	112.793981	585.832976
3369.40218	7.008419	1043.80509	354.212797	45637.0278	25932.1804	4565.2983	2745.34313	1866.90132	6435.02643	32946.5819
3.32	0.57	0.69	0.17	25.02	16.75	6.95	7.63	1.76	3.97	4.47
-4278.4167	-185.77384	-188.6947	-41.278717	-18996.002	-19778.145	-4635.5558	-3755.5859	-1094.4718	-4536.8247	-10667.138
-21904.56	-2419.3073	-2442.6885	-470.53999	-107095.04	-99511.465	-34731.361	-34194.019	-7879.6496	-23169.508	-25910.238
0.31		0.16	0.01	4.79	2.31	0.41	0.44	0.25	0.64	4.96
1215.874	135.1265	206.4523	53.195	11139.0825	7811.5134	2233.7164	1907.7166	519.0374	1715.1905	4102.1037
0.08	0.03	0.05		0.83	0.5	0.34	0.34	0.02	0.04	0.24

35.092	13.1595	21.9325		371.3586	223.71	152.1228	152.1228	8.9484	17.8968	107.3808
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
14865.7521	1731.14806	2731.49042	672.678189	101971.978	76914.9646	26279.8448	25220.2148	6588.62883	18515.354	38235.8562
320.16	37.12	49.3	10.44	2331.02	1724.34	537.08	521.42	143.26	383.38	801.56
35.092	13.1595	21.9325		371.3586	223.71	152.1228	152.1228	8.9484	17.8968	107.3808
17580.5833	2055.00196	3166.06392	760.060989	122226.937	91847.2948	31013.26	29820.0502	7819.58503	21803.4822	45180.5438
2679.7392	310.6944	412.641	87.3828	19883.6006	14708.6202	4581.2924	4447.7126	1222.0078	3270.2314	6837.3068
				0.47	0.42	0.24				
11.206278	11.144479	11.13793	11.071427	10.767729	10.806966	10.973697	10.99199	11.219141	11.23778	11.135891
0.510639	0.538764	0.5341	0.577292	0.81037	0.758651	0.628098	0.605435	0.502842	0.494496	0.532776
0.490291	0.522469	0.509247	0.557578	0.785709	0.734108	0.60374	0.584103	0.484779	0.47566	0.515288
599815.836	567839.156	718937.403	801949.378	1093589.5	862247.23	721242.676	521005.665	694751.328	626888.526	740565.626
3072.14478	2844.58596	3115.01116	2956.13525	4010.61444	3311.8861	3142.12535	2576.3359	3467.29373	2959.31927	2853.25488
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
0.041562	0.030851	0.046394	0.03528	0.031397	0.033465	0.038418	0.036331	0.037311	0.038913	0.033803
233332.511	242329.785	261310.6	267501.733	380621.15	308383.095	287207.486	261716.22	255337.236	217886.977	239141.424
268731.409	280510.249	301499.017	309481.931	448037.67	363102.027	340528.733	309591.949	301151.285	258166.751	283362.281
2.9262	2.9262	2.9262	2.9262	2.983499	2.9835	2.9835	2.9835	2.9835	2.9835	2.9835
414445.207	430426.164	464139.888	475136.579	686450.244	556168.912	517978.701	472005.203	460500.704	392959.162	431291.558
40852.44	40448.4	44033.7	41976.87	43866.09	37764.42	41840.34	39363.93	45307.98	39258.48	40325.19
106.386562	107.575531	105.596402	107.083852	107.514926	107.285284	107.008542	106.967201	106.858443	106.680652	107.247845
42624	41736	46176	43512	45288	39072	43512	40848	47064	40848	41736
111	111	110.733812	111	111	111	111.283887	111	111	111	111
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
34.890124	34.556577	34.632706	34.352819	34.010932	34.136757	34.715673	34.791858	35.579528	35.622298	35.209471
34.399734	34.210795	34.196071	33.998461	33.769155	33.88637	34.372746	34.43064	35.11412	35.160676	34.855794
726039.71	753062.218	813222.493	831458.8	1200348.99	972521.89	910129.905	828490.066	808903.335	691357.949	756997.121
553842.811	613266.794	687941.546	742506.882	1610047.22	1205088.78	920032.325	791468.021	599221.729	538596.268	668849.97
-172196.9	-139795.42	-125280.95	-88951.918	409698.222	232566.89	9902.42037	-37022.045	-209681.61	-152761.68	-88147.151
553842.811	613266.794	687941.546	742506.882	1610047.22	1205088.78	920032.325	791468.021	599221.729	538596.268	668849.97
368.04	364.4	396.7	378.17	395.19	340.22	376.94	354.63	408.18	353.68	363.29
117006.833	178204.581	84560.6904	21729.9017	99254.8697	104063.94	180347.489	299721.001	104318.367	56102.2033	9358.17535
135275.438	197210.772	97267.5459	23978.4127	142071.064	143105.951	225876.832	362806.857	117597.387	65160.5166	11098.3202

35.547507	49.182469	33.091561	15.701334	21.84554	24.667576	39.348317	58.579048	39.618979	30.550275	15.42373
3578.72716	5407.83884	2583.35078	661.226543	3001.32241	3139.92835	5396.84084	8970.60055	3143.05188	1670.73902	278.167158
21.111293	23.805534	24.750805	26.570908	34.860033	31.534286	26.995697	25.923498	22.000001	22.51788	24.334358
20.69165	23.418359	24.653446	26.542269	34.842819	31.49919	26.839979	25.306205	21.78073	22.332637	24.32324
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
54.422317	57.994127	56.390944	61.891193	87.213745	81.485988	67.186593	64.835489	53.810551	52.798277	57.197005
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17319.4428	16397.9532	20931.6732	23600.1215	32581.8856	25543.1396	20873.1172	14888.8594	19672.6221	17759.027	21227.9068
599815.836	567839.156	718937.403	801949.378	1093589.5	862247.23	721242.676	521005.665	694751.328	626888.526	740565.626
16.84	21.46	20.84	8.34	69.33	54.05	47.97	41.74	11.37	10.19	3.57
172196.899	139795.424	125280.948	88951.9181	-409698.22	-232566.89	-9902.4204	37022.0454	209681.605	152761.682	88147.151
36921.461	-57415.347	28013.4018	64973.5054	-551769.29	-375672.84	-235779.25	-325784.81	92084.2184	87601.1651	77048.8308
277.11	254.89	309.11	332.34	242.15	202.88	234.46	197.11	331.02	292.49	325.84
69298.1658	70856.6414	88185.7397	99366.6612	104808.711	86088.3967	83524.8498	69227.7188	79233.8645	72505.0801	90467.0295
1.09	0.83	1.15	0.92	0.87	0.72	0.99	0.9	1.14	0.97	0.82
9217.04	7018.48	9724.4	7779.52	7504.62	6210.72	8539.74	7763.4	9833.64	8367.22	7073.32
848002.613	879727.997	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.135	942368.108	805247.472	881996.343
848002.613	879727.997	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.135	942368.108	805247.472	881996.343
683176.616	710936.413	765638.905	784618.51	1134487.91	919270.938	858507.434	781597.152	761651.989	651125.913	714653.84
20898.17	21805.792	23515.024	24261.348	35583.208	28683.068	26269.958	23859.46	22815.674	19429.766	21506.074
9217.04	7018.48	9724.4	7779.52	7504.62	6210.72	8539.74	7763.4	9833.64	8367.22	7073.32
848002.613	879727.997	949809.544	971281.956	1399299.67	1133713.73	1060253.26	965289.135	942368.108	805247.472	881996.343
33646.0537	35107.3251	37859.1886	39060.7703	58356.4611	47040.2315	43082.7311	39129.5144	37417.7054	31864.8162	35269.9614
55.46	78.25	51.96	26.25	35.21	45.28	74.33	96.13	50.26	33.32	10.14

1115.13	1099.17	1211.43	1144.56	1185.42	1025.04	1141.02	1060.83	1236.6	1069.23	1083.87
2.903984	2.923324	2.905107	2.919795	2.905441	2.912045	2.918209	2.88269	2.916509	2.905516	2.882632
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3

11.75404	11.514138	11.493803	11.418235	11.254437	11.271902	11.393967	11.408629	11.714196	11.711629	11.590605
0.612642	0.683327	0.699447	0.739383	0.856315	0.831212	0.754811	0.730982	0.609519	0.610404	0.645904
0.510551	0.649287	0.662526	0.647896	0.816798	0.789421	0.719226	0.691792	0.371576	0.584485	0.618777
226747.393	279133.616	314456.628	287033.432	377517.159	315757.091	324953.643	294025.73	185610.204	254849.608	273612.272
1182.51677	1409.14004	1367.40285	1056.65357	1391.71041	1219.80333	1425.26416	1464.89267	926.604861	1201.65203	1058.99813
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
0.050833	0.051143	0.051177	0.04977	0.047647	0.051193	0.04801	0.052282	0.052358	0.04432	0.042845
97952.3063	120432.671	135634.323	123668.769	159988.576	133755.302	137398.956	124463.899	78751.9434	107831.092	115740.886
112685.09	138754.319	156327.957	142733.82	188228.565	157539.853	162587.838	146982.918	92734.4044	127708.538	137062.499
2.2241	2.2241	2.2241	2.2241	2.2673	2.2673	2.2673	2.2673	2.267299	2.267299	2.2673
105210.572	129356.732	145684.826	132832.625	173955.579	145432.14	149393.885	135329.597	85626.988	117244.747	125845.066
13758.28	15341.11	16931.68	14730.08	16708.08	14361.14	16046.74	14957.12	11127.54	15122.67	15475.27
35.828854	40.800824	40.603549	37.576734	40.951176	40.798693	41.040255	40.644347	26.244198	41.094211	41.157632
16512	16168	17888	16856	17544	15136	16856	15824	18232	15824	16168
43	43	42.896882	43	43	43	43.109974	43	43	43	43
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
28.369629	27.227771	27.156423	27.413545	27.039148	27.107496	27.354973	27.490186	28.837898	28.236869	27.876347
27.187516	26.652214	26.609647	26.437013	26.595122	26.632785	26.895289	26.934178	27.63665	27.614485	27.339166
235698.634	284613.114	320479.893	296277.471	383106.247	320791.537	330116.084	299614.819	193332.532	260140.043	278646.719
217121.781	283718.349	332563.896	321079.827	622726.497	475779.743	400940.779	345413.746	174540.092	249646.077	296658.059
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217121.781	283718.349	332563.896	321079.827	622726.497	475779.743	400940.779	345413.746	174540.092	249646.077	296658.059
319.96	356.77	393.62	342.56	388.56	333.98	373.18	347.84	258.78	351.69	359.89

21.261992	22.128258	26.15463	25.265664	39.800195	36.251466	29.353136	28.498694	22.64285	21.62201	24.634812
5.102878	5.310782	9.415666	5.305789	10.34805	10.875439	8.512409	9.689556	4.075713	5.621722	5.419658
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
21.953697	27.919361	28.420335	27.85954	35.122352	33.945142	31.005856	29.747092	15.977806	25.13288	26.607446
-69776.523	-63844.922	-58812.057	-39839.31	155994.221	85074.3093	-993.73912	-19258.353	-59956.081	-66857.277	-42486.421
-69776.523	-63844.922	-58812.057	-39839.31	155994.221	85074.3093	-993.73912	-19258.353	-59956.081	-66857.277	-42486.421

8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
226747.393	279133.616	314456.628	287033.432	377517.159	315757.091	324953.643	294025.73	185610.204	254849.608	273612.272
18576.8527	894.76428	-12084.003	-24802.356	-239620.25	-154988.21	-70824.695	-45798.927	18792.4404	10493.9654	-18011.34
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3.38	2.79	4.55	1.96	3.06	3.06	3.27	5.14	1.76	3.23	2.51
0.122395		0.002403	0.079081				0.002717	0.356132		
57916.2616	67988.6451	87065.2816	87444.8149	101940.923	83118.9792	82067.7863	66950.305	48399.7562	71277.2546	88509.3051
2.14	1.31	1.44	2.21	1.31	1.18	1.21	1.31	1.81	1.24	1.18
8951.24122	5479.49813	6023.26512	9244.03883	5589.0888	5034.4464	5162.4408	5589.0888	7722.3288	5290.4352	5034.4464
286898.305	347563.271	391375.953	360919.136	466732.276	390705.434	401934.518	364672.099	234496.173	316503.355	339144.48
286898.305	347563.271	391375.953	360919.136	466732.276	390705.434	401934.518	364672.099	234496.173	316503.355	339144.48
217895.662	268111.052	302012.784	275566.445	362184.144	302971.993	311981.723	282312.515	178361.392	244953.285	262907.564
8430.22	10497.68	11851.28	10920.94	14329.92	11948.69	12123.29	10946.93	6774.59	9248.9	10004.4
8951.24122	5479.49813	6023.26512	9244.03883	5589.0888	5034.4464	5162.4408	5589.0888	7722.3288	5290.4352	5034.4464
286898.305	347563.271	391375.953	360919.136	466732.276	390705.434	401934.518	364672.099	234496.173	316503.355	339144.48
8851.731	11022.564	12443.844	11466.987	15333.0144	12785.0983	12971.9203	11713.2151	7248.8113	9896.323	10704.708
0.029244	0.031861	0.034663	0.028647	0.022892	0.032159	0.029438	0.026711	0.022193	0.04682	0.035132
1118.31	1092.06	1204.74	1142.31	1195.98	1022.04	1141.38	1074.51	1243.77	1052.31	1088.37
2.912265	2.904414	2.889064	2.914056	2.931323	2.903522	2.91913	2.919864	2.933419	2.859538	2.894601
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3

1.978116	0.14	8.562911	9.58818	4.500484	2.945788	0.981666	3.941488	6.630598
0.004538	0.000157	0.020377	0.02536	0.003722	0.002071	0.000985	0.004475	0.0105
0.004296	0.000148	0.020029	0.02471	0.003668	0.002038	0.000924	0.004402	0.01017
401.259985		2629.75705	2848.95407	325.055587	83.785187	108.73537	269.83872	4558.56361
1.775379		9.329269	10.470723	1.331883	0.407855	0.521776	0.962982	14.767518

82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
0.026614	0.026861	0.029843	0.028545	0.023602	0.028877	0.024119	0.034157	0.032393	0.019796	0.036263
1174.5	39.2			5759.4	6157.3	1017.1	527.1	275.6	1143	2712.8
5779.77722	205.574996			22580.6673	26250.2623	4476.88615	2735.34732	1316.41519	5887.2965	13840.7008
0.690724	0.052442			2.507653	3.008061	1.486626	1.074189	0.33913	1.420545	2.357548
83.321167				624.869812	647.718929	79.322583	16.581626	20.905515	54.171281	910.060923
18653	18259.3	20217.5	18964.9	19899	17067	19121.7	17725.3	20513.7	18026.3	18161.3
48.57552	48.561968	48.483213	48.379846	48.772058	48.485795	48.904603	48.166576	48.381367	48.98451	48.301329
19200	18800	20800	19600	20400	17600	19600	18400	21200	18400	18800
50	50	49.880095	50	50	50	50.127877	50	50	50	50
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
17.36258	0.751285			42.31291	64.121987	27.020561	16.88638	5.538795	29.461437	52.240304
9.794929	0.751285			35.680148	42.879574	20.979696	15.153593	4.780282	20.005495	33.355059
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
6785.64976	217.570551			25492.9103	30870.1924	5244.03369	3010.12494	1434.89995	6596.92647	16364.868
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
6785.64976	217.570551			25492.9103	30870.1924	5244.03369	3010.12494	1434.89995	6596.92647	16364.868
136.47	137.22	110.36	108.81	280.87	303.67	238.38	166.01	173.28	242.88	368.36
5409.87423	210.359996			20169.8923	23553.8962	4170.74356	2667.05913	1213.04882	5621.11778	9316.30123
6310.61602	217.570551			22585.9426	27581.2223	4805.47446	2921.78957	1319.65102	6312.10264	11041.7663
3.131907	0.4			11.873356	14.188506	6.446688	4.067966	1.221643	5.634292	7.418587
76.569916	2.8			364.059432	388.750022	66.234101	36.315598	18.106748	77.130622	126.455002
69.596974				60.164573	66.367884	59.81748	70.360409	71.950149	69.910306	72.994005
4.147766				20.393181	23.228759	4.187223	1.407208	2.878005	4.194618	29.926037
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
0.214843	0.007446			1.00147	1.235511	0.183887	0.101902	0.046226	0.220108	0.50851
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
974.515544	7.210554			2693.26102	4467.34209	748.234541	259.28062	113.115764	705.969972	2490.00314
5.930083				44.540567	46.149977	5.665898	1.184401	1.493251	3.869377	64.744997
401.259985				2629.75705	2848.95407	325.055587	83.785187	108.73537	269.83872	4558.56361
1.15	0.05			5.5	5.5	1.1	0.53	0.27	1.07	2.25
-974.51554	-7.210554			-2693.261	-4467.3421	-748.23454	-259.28062	-113.11576	-705.96997	-2490.0031
-7285.1316	-224.78111			-25279.204	-32048.564	-5553.709	-3181.0702	-1432.7668	-7018.0726	-13531.769
0.03				0.31	0.27	0.02	0.01	0.02	0.05	0.44
571.7982	15.5766			3118.4561	3333.9766	502.264	212.3241	108.4727	579.738	1682.1657

0.04	0.01			0.37	0.2	0.03	0.03	0.01		0.04
23.557	4.785			203.122	124.65	14.643	14.643	4.881		19.524
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
5779.77722	205.574996			22580.6673	26250.2623	4476.88615	2735.34732	1316.41519	5887.2965	13840.7008
82.5	2.8			408.6	434.9	71.9	37.5	19.6	81	191.2
23.557	4.785			203.122	124.65	14.643	14.643	4.881		19.524
5811.13422	210.359996			22799.6493	26402.8503	4495.79915	2750.84432	1321.78419	5890.9565	13874.8648
7.8				15.86	27.938	4.27	0.854	0.488	3.66	14.64
				0.05	0.09	0.03				

0.023229	0.024734	0.033581	0.03426	0.03348	0.034659	0.025484	0.021711	0.035778	0.02557	0.039414

1500.32	1466.8	1608.12	1514.28	1577.36	1359.2	1528.04	1440.04	1635.32	1434.36	1444.72
3.907083	3.901063	3.856402	3.862959	3.866078	3.861363	3.90803	3.913152	3.856886	3.897717	3.84234
1536	1504	1664	1568	1632	1408	1568	1472	1696	1472	1504
4	4	3.990407	4	4	4	4.01023	4	4	4	4

10.661704	10.476534	10.498424	10.45002	10.202036	10.222827	10.3534	10.352532	10.647399	10.661234	10.519115
0.38006	0.439911	0.436991	0.489851	0.730583	0.682319	0.548971	0.515092	0.34031	0.36071	0.407557
0.359583	0.415189	0.416348	0.465541	0.697656	0.643025	0.519271	0.482831	0.248426	0.343538	0.384106
253022.249	284488.236	316721.114	331773.417	512184.67	409139.286	373703.06	322435.171	197430.198	239340.32	270935.97
1295.35608	1430.57278	1365.64783	1221.31418	1887.87379	1579.11329	1629.3724	1599.02791	982.774133	1105.64281	1026.30647
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
0.057317	0.059255	0.04899	0.051785	0.047083	0.057642	0.056964	0.061059	0.064764	0.04951	0.060106
85281.2138	95221.1446	105789.595	110586.205	168227.878	134303.443	122413.143	107290.484	65120.1404	78428.3339	88705.795
98323.3264	110682.309	122452.929	128525.791	197991.83	158343.177	145397.32	127252.969	76775.0818	93269.1219	105435.768
2.9367	2.9367	2.9367	2.9367	2.9942	2.9942	2.9942	2.9942	2.9942	2.994199	2.9942
152371.945	170131.619	189014.27	197584.373	305199.016	243653.306	222081.924	194646.395	118140.959	142284.683	160930.053
21212.614	20727.992	23183.332	21781.62	22783.094	19438.206	21662.662	20194.732	18054.66	20497.108	20709.24

55.241182	55.127638	55.59552	55.565357	55.840916	55.222176	55.403227	54.876989	42.581745	55.698663	55.077765
22502.4	22033.6	24377.6	22971.2	23908.8	20627.2	22971.2	21564.8	24846.4	21564.8	22033.6
58.599999	58.599999	58.459472	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
35.620018	34.86753	34.491022	34.137888	33.177601	33.536074	34.07971	34.228047	41.024962	36.843515	35.49429
31.835603	31.286889	31.355511	31.209466	31.092287	31.153721	31.531938	31.533839	32.422185	32.451425	32.026037
280219.823	313365.167	343220.997	356824.326	537745.362	434512.645	399274.215	353649.797	243343.947	267617.562	296870.29
236415.252	277073.331	318035.225	344233.374	773748.448	567758.145	440070.045	365095.771	177424.979	226577.522	288178.567
-43804.572	-36291.836	-25185.772	-12590.952	236003.086	133245.5	40795.8302	11445.9739	-65918.968	-41040.04	-8691.7223
236415.252	277073.331	318035.225	344233.374	773748.448	567758.145	440070.045	365095.771	177424.979	226577.522	288178.567
361.99	353.72	395.62	371.7	388.79	331.71	369.67	344.48	308.1	349.78	353.4
1961.51575	1174.19079	125.355828	4.595186	13.451184	19.65875	217.454294	5086.76699	818.998743	213.986084	
2286.28414	1322.45078	127.228973	4.227716	19.7991	22.046934	234.909395	6473.53494	910.704934	229.337515	
7.322258	5.494588	2.972261	0.13	0.390656	0.575386	4.299177	8.663818	4.656241	2.475625	
65.16223	38.421766	3.793741	0.13	0.390656	0.575386	6.509169	163.977936	26.651759	6.625311	
22.827835	25.163049	27.093573	27.109028	38.974033	35.945128	31.215697	28.262751	24.349561	22.327203	25.410635
21.777802	24.120497	24.642693	26.024667	35.067734	31.239114	28.705102	28.187124	21.150783	19.866246	21.59904
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238
21.071609	24.330079	24.339491	27.28075	40.882696	37.681301	30.507104	28.293945	14.557811	20.131342	22.508611
-88381.062	-86063.928	-80481.994	-70394.361	148070.374	63045.09	-23189.52	-44634.762	-99957.266	-82034.53	-55058.241
-88381.062	-86063.928	-80481.994	-70394.361	148070.374	63045.09	-23189.52	-44634.762	-99957.266	-82034.53	-55058.241
8026.33577	9109.68823	10145.7743	10693.924	16679.7493	13263.2426	11921.7688	10248.1941	6145.86024	7401.70869	8463.238
253022.249	284488.236	316721.114	331773.417	512184.67	409139.286	373703.06	322435.171	197430.198	239340.32	270935.97
0.09	0.09	0.04		0.03	0.02	0.08	0.27	0.05		
43804.5717	36291.836	25185.7725	12590.9517	-236003.09	-133245.5	-40795.83	-11445.974	65918.9682	41040.0402	8691.72226
41518.2875	34969.3853	25058.5435	12586.724	-236022.89	-133267.55	-41030.74	-17919.509	65008.2633	40810.7027	8691.72226
23.59	17.27	28.3	22.49	17.67	16.65	22.11	17.05	15.86	21.82	19.7
							0.002717	0.224056		
63535.7236	63728.7063	82138.9738	91068.1372	96215.5299	77829.8423	76769.1332	62868.871	50428.5613	67024.6508	82013.805
1.33	1.46	1.39	1.32	1.32	1.31	1.31	1.35	2.33	1.45	1.34
25236.0584	27702.7408	26374.5272	25046.3136	25547.2404	25353.7007	25353.7007	26127.8595	45094.7501	28063.2565	25934.3198
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.533	277382.244	308612.052	343236.809
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.533	277382.244	308612.052	343236.809
250695.271	280813.928	311467.199	326110.164	503190.846	401996.483	367479.244	321899.365	194916.04	235553.805	266365.821
8091.498	9148.11	10149.568	10694.054	16680.14	13263.818	11928.278	10412.172	6172.512	7408.334	8463.238

25236.0584	27702.7408	26374.5272	25046.3136	25547.2404	25353.7007	25353.7007	26127.8595	45094.7501	28063.2565	25934.3198
324796.314	363137.26	398517.218	414627.736	625678.074	504713.055	463259.565	409730.533	277382.244	308612.052	343236.809
4288.49394	4848.4983	5379.27104	5667.84862	9007.2756	7162.46172	6441.27012	5622.57288	3333.15648	4000.50036	4570.14852
0.59	0.49	0.26	0.01	0.04	0.07	0.31	1.16	0.48	0.21	
1.65	0.15			6.45	7.65	3	1.8	0.9	3.15	6.15
0.003766	0.000053			0.013351	0.019793	0.002471	0.001226	0.000562	0.003324	0.008282
0.003697	0.000053			0.013284	0.019545	0.002321	0.001222	0.000542	0.00326	0.008058
79.090057				220.704467	220.272062	9.259314	11.230073	10.994138	94.009516	540.65252
0.352261				0.784022	0.819281	0.034617	0.055932	0.051793	0.337461	1.777512
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
0.027369	0.027021	0.028798	0.018979	0.017034	0.031676	0.038801	0.032635	0.033207	0.025434	0.025664
298.2	4.2			1138.2	1444.8	191.1	94.5	48.3	252	636.3
1463.08017	22.025892			4288.66599	6042.38244	832.261615	488.541587	226.642739	1303.44915	3241.82591
0.544367	0.052442			1.698386	2.218055	0.861737	0.613661	0.287165	1.077932	2.051783
16.643928				53.135016	57.29559	1.836692	2.1	2.1	18.705463	110.351878
5228.86	5121.76	5656.28	5383.84	5614.7	4771.9	5275.06	4983.86	5738.88	5020.96	5128.9
13.616822	13.621702	13.56422	13.734285	13.761519	13.556534	13.491202	13.543097	13.535094	13.643913	13.640691
5376	5264	5824	5488	5712	4928	5488	5152	5936	5152	5264
14	14	13.966426	14	14	14	14.035805	14	14	14	14
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
8.272654	0.786639			27.102316	33.976306	12.926065	9.204923	4.307486	16.693987	30.964256
8.272654	0.786639			27.102316	33.976306	12.926065	9.204923	4.307486	16.693987	30.964256
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
1694.76669	22.83167			4834.76373	7055.23251	989.110156	524.300773	245.038407	1440.97612	3804.94367
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
1694.76669	22.83167			4834.76373	7055.23251	989.110156	524.300773	245.038407	1440.97612	3804.94367
77.01	70.51	55.71	55.26	154.96	153.7	112.13	90.86	115.66	149.7	189.61
1394.49012	22.025892			4235.96152	5906.11038	823.002301	477.311513	215.6486	1230.43963	2722.17339
1603.86532	22.83167			4587.56806	6797.41957	979.026882	513.004962	233.673038	1340.18248	3197.72606
1.52581	0.14			5.946471	7.062088	2.78259	1.54	0.84	2.76045	4.871845
18.770404	0.28			72.337665	92.500293	12.617553	6.16	3.08	15.552969	35.063208
74.536601				64.652499	64.35366	69.110289	80.941143	81.438002	79.956634	77.356174
2.236098				7.111774	8.365975	1.382205	0.809411	0.81438	2.398699	17.018358
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42

0.05177	0.000744			0.18598	0.273636	0.032583	0.017119	0.007594	0.045652	0.112819
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
221.186516	0.805778			378.097744	928.850066	156.84854	35.759186	18.395668	116.526971	542.117762
1.109595				3.542334	3.819706	0.122446	0.14	0.14	1.24703	7.356791
79.090057				220.704467	220.272062	9.259314	11.230073	10.994138	94.009516	540.65252
0.72	0.02			3.89	4.41	0.56	0.37	0.18	0.83	1.49
-221.18652	-0.805778			-378.09774	-928.85007	-156.84854	-35.759186	-18.395668	-116.52697	-542.11776
-1825.0518	-23.637448			-4965.6658	-7726.2696	-1135.8754	-548.76415	-252.06871	-1456.7095	-3739.8438
0.05				0.14	0.11		0.01	0.01	0.07	0.32
316.6335	4.5108			1509.5346	1827.1828	223.0076	96.616	48.0886	311.0998	898.2956
0.01				0.16	0.08				0.02	0.02
10.5				168	84				21	21
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
1463.08017	22.025892			4288.66599	6042.38244	832.261615	488.541587	226.642739	1303.44915	3241.82591
19.88	0.28			75.88	96.32	12.74	6.3	3.22	16.8	42.42
10.5				168	84				21	21
1473.58017	22.025892			4456.66599	6126.38244	832.261615	488.541587	226.642739	1324.44915	3262.82591
				0.08	0.05					

11.202277	11.088199	11.085489	11.006589	10.723338	10.766346	10.921598	10.932445	11.204494	11.229205	11.105559
0.283774	0.312048	0.311009	0.334304	0.479367	0.451731	0.368066	0.353095	0.260329	0.28087	0.308425
0.268449	0.3006	0.29837	0.318872	0.463414	0.434541	0.35401	0.338906	0.23083	0.270689	0.297102
1083435.23	1131468.02	1351158.95	1421110.44	2031778.82	1616145.01	1424798.99	1140306.92	1079778.36	1127877.33	1323159.67
5566.09571	5684.33246	5852.31306	5235.28937	7461.64901	6218.15142	6216.65624	5653.35491	5386.09871	5290.27311	5063.72317
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
0.034957	0.03321	0.035902	0.033429	0.030855	0.0361	0.033956	0.036198	0.035984	0.033174	0.036165
421054.318	458376.634	503198.875	501855.042	737691.081	600285.498	553286.541	499003.457	400882.585	409152.459	454487.099
501848.435	531905.626	583011.394	581414.22	963099.376	788192.665	680102.884	612271.94	478792.458	504850.51	581178.931
2.783558	2.744365	2.740866	2.755396	2.879792	2.883777	2.826887	2.828725	2.850683	2.818769	2.847691
672027.723	729914.516	798838.984	805553.577	1165604.84	945254.357	889454.509	801981.195	664268.651	652488.592	718066.677
675.62589	1.199303	153.487359	46.134399	8838.9758	5207.69141	846.16003	463.144121	344.49832	1135.28325	6538.37361
133286.904	132922.982	146516.837	137238.315	144709.069	124262.211	138428.492	129600.697	137986.6	130120.473	132934.91
347.101312	353.518569	351.359321	350.097742	354.67909	353.017644	354.037063	352.175807	325.440094	353.588241	353.550292
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6

367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
140.901667	102.071435	107.197393	100.869502	207.402529	239.043956	174.20418	162.211291	126.162838	170.542487	223.991188
32.48481	31.65745	31.611577	31.550489	32.336739	32.487098	32.176618	32.249358	33.311334	32.97471	33.004188
1266823.46	1353327.89	1480089.45	1485320.66	2270683.86	1852202.6	1675861.52	1514814.12	1254947.83	1248134.44	1394832.36
1037719.26	1176539.65	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
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1037719.26	1176539.65	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
1375.81	1415.31	1456.32	1355.77	1878.83	1714.49	1674.64	1495.48	1404.5	1613.9	1892.76
139983.895	181659.152	86808.305	22140.3451	200264.084	199458.719	212006.651	335026.846	112518.747	78536.2026	33630.6118
163102.346	201007.158	99648.7687	24411.9017	257363.413	257239.96	261992.048	403153.62	126846.594	91674.8223	40580.9121
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3998.27273	5486.33328	2620.14902	666.898529	4902.69307	4868.05213	5938.06277	9651.28622	3300.01802	2040.63395	655.412392
24.695559	24.434326	27.023747	27.733272	42.433277	41.923697	33.606016	30.027498	24.953746	27.481134	38.684999
24.428693	24.23451	26.960135	27.719637	42.367967	41.875106	33.514103	29.731977	24.831271	27.374674	38.656087
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
98.547989	110.350484	109.268997	117.058117	170.119529	159.520272	130.289631	124.412451	84.737867	99.370054	109.066202
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33844.1553	36005.4487	42945.023	45219.8835	64506.0749	51283.0839	45005.1832	36132.4958	32628.838	34527.5461	40353.4796
1083435.23	1131468.02	1351158.95	1421110.44	2031778.82	1616145.01	1424798.99	1140306.92	1079778.36	1127877.33	1323159.67
22.12	22.19	21.57	8.51	103.77	80.73	56.66	50.54	13.63	16.06	11.78
229104.204	176788.234	138194.022	76699.2349	-907388.92	-545974.93	-127063.58	-24273.481	293167.031	198936.366	65128.2738
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304.47	274.95	342.12	356.8	268.12	225.28	260.27	219.76	348.92	318.3	353.77
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192854.457	202729.207	257596.447	277932.808	318732.237	260009.891	245320.757	201263.552	178737.781	213413.014	267672.705
4.69	3.64	4.03	4.45	4.86	3.99	3.88	3.93	5.31	3.72	3.64
43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
1484562.53	1592715.92	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87
1484562.53	1592715.92	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87
1173876.16	1261820.14	1381850.38	1386967.8	2128704.21	1733447.02	1569557.39	1414253.14	1143061.11	1157339.1	1299245.61
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
1484562.53	1592715.92	1742868.78	1747588.89	2641193.27	2153508.75	1961788.66	1772751.2	1463614.54	1459381.77	1626695.87

49473.8178	51289.0818	56094.9447	56282.9887	102596.212	81724.3497	67081.4839	60913.869	49222.1689	49035.531	57396.7647
56.05	78.74	52.22	26.26	35.85	45.91	74.91	97.29	50.74	33.53	10.14
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
1769.80817	1635.66608	2658.5946	3138.39004	2039.14638	1726.10242	1813.15531	1151.27224	2464.20886	2085.90034	3293.85432
-74836.828	-74889.642	-95661.039	-105794.19	-110907.99	-91451.935	-89448.004	-74064.504	-84871.85	-77927.443	-96374.516
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
304.55	274.08	340.99	356.04	265.85	223.3	259.24	218.96	358.73	317.46	353.41
169.961058	140.59639	169.658075	205.250791	187.531961	182.223411	156.987121	130.179736	157.389539	177.028007	216.761991
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1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
2036681.22	2175748.85	3103818.6	3726629.72	5122630.1	3874185.56	3155378.32	2365359.81	2427979.83	2361601.33	3461555.57
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
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1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
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1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
1769.80817	1635.66608	2658.5946	3138.39004	2039.14638	1726.10242	1813.15531	1151.27224	2464.20886	2085.90034	3293.85432
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74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563
304.55	274.08	340.99	356.04	265.85	223.3	259.24	218.96	358.73	317.46	353.41
169.961058	140.59639	169.658075	205.250791	187.531961	182.223411	156.987121	130.179736	157.389539	177.028007	216.761991
66.693269	61.913413	82.02543	102.388263	67.517459	75.413836	70.44173	51.178041	71.628548	69.915046	107.523945

20740.2423	17211.284	28395.4425	36993.23	20101.3467	18159.6017	18838.0894	11456.6486	25863.3347	22525.8004	38224.3437
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-1681726.6	-1844632.8	-2489625.2	-2875987.2	-4560813.7	-3420411.1	-2738440.3	-2130553.9	-1931775.4	-1906561.6	-2607859
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
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1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01

252740.196	275766.011	314128.128	301115.562	342772.39	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
1319.95019	1395.30564	1375.03763	1123.23132	1267.08779	1172.98778	1477.03512	1724.64143	1823.15411	1246.59679	828.129665
6465.59723	7054.64342	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.86301	8924.26797	6330.36018	5129.67341
142276.501	172527.952	206576.978	207394.408	362321.64	276975.677	248289.561	241287.753	201093.409	148420.28	132542.629
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16.837492	18.762349	19.271037	19.70138	21.850107	21.168525	21.033565	23.043105	21.047801	17.202065	13.642748
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252740.196	275766.011	314128.128	301115.562	342772.39	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
110463.694	103238.059	107551.15	94527.7651	-344.89711	26218.5732	86350.0491	103757.873	162035.055	109162.076	76183.7819
110463.694	103238.059	107551.15	94527.7651	-344.89711	26218.5732	86350.0491	103757.873	162035.055	109162.076	76183.7819
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
252740.196	275766.011	314128.128	301922.173	361976.743	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
252740.196	275766.011	314128.128	301922.173	361976.743	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
6465.59723	7054.64342	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.86301	8924.26797	6330.36018	5129.67341

252740.196	275766.011	314128.128	301922.173	361976.743	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
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6465.59723	7054.64342	8036.02271	7722.941	8914.844	7451.32097	8224.12412	8479.86301	8924.26797	6330.36018	5129.67341
142276.501	172527.952	206576.978	207394.408	362321.64	276975.677	248289.561	241287.753	201093.409	148420.28	132542.629
-110463.69	-103238.06	-107551.15	-94527.765	344.897109	-26218.573	-86350.049	-103757.87	-162035.06	-109162.08	-76183.782
252740.196	275766.011	314128.128	301922.173	361976.743	303194.25	334639.61	345045.626	363128.464	257582.356	208726.411
246947.783	269532.277	306746.453	294105.795	333520.212	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
1289.77263	1363.94086	1342.76061	1097.16018	1232.8976	1141.00254	1437.19009	1676.05363	1773.089	1215.40589	804.387506
7269.58444	7934.42086	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
159957.386	194036.677	232115.661	233085.669	407142.738	311191.662	279002.432	270910.262	225888.755	167000.79	148775.418
23.160076	17.943893	24.453872	19.155614	40.490206	39.532813	36.668843	28.005261	22.950508	20.412428	20.531356
2.779209	0.717755	0.733616	0.95778	1.619608	1.185984	1.466753	3.920736	13.311295	0.408248	1.437194
7269.58444	7934.42086	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
18.931209	21.102183	21.654489	22.14358	24.5536	23.78305	23.636974	25.866685	23.642764	19.367571	15.306351
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7269.58444	7934.42086	9029.92208	8657.44698	9478.25609	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
246947.783	269532.277	306746.453	294105.795	333520.212	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
86990.3972	75495.5996	74630.7918	61812.3426	-54893.131	-16259.002	46595.2319	64442.0018	127275.519	84092.8022	53979.8571
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1.36	0.12	0.09	0.43	0.26	0.08	0.16	0.41	10.71	0.11	0.31
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
7269.58444	7934.42086	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
7269.58444	7934.42086	9029.92208	8680.2837	10017.8688	8371.63382	9242.05687	9518.9402	10024.5323	7127.26632	5755.18804
159957.386	194036.677	232115.661	233085.669	407142.738	311191.662	279002.432	270910.262	225888.755	167000.79	148775.418
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246947.783	269532.277	306746.453	294898.011	352249.607	294932.66	325597.663	335352.263	353164.274	251093.592	202755.275
153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
801.930547	640.029856	684.773731	664.291741	720.74438	677.870488	881.159932	1040.72321	901.937814	940.898172	786.402507

2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
65711.1974	59622.8668	77409.4701	93349.9768	154599.648	125683.418	116391.584	113344.905	78673.9578	88613.521	100114.784

2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
7.795087	6.535032	7.306637	8.876558	9.351587	9.705712	9.963411	11.005629	8.27101	10.337114	10.319124
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2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
87636.2671	66258.0617	78681.5764	84910.4952	40865.7352	49339.2999	83184.8235	94140.2649	100984.951	106268.377	98657.1501
87636.2671	66258.0617	78681.5764	84910.4952	40865.7352	49339.2999	83184.8235	94140.2649	100984.951	106268.377	98657.1501

74836.8278	69304.4016	95661.0391	105794.19	110907.994	91451.935	89448.0036	73176.6577	77516.6148	76453.1228	96374.5159
153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
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2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934
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2993.31377	2457.17213	3046.86798	3479.61101	3815.44766	3416.41066	3895.69407	4050.07164	3506.90824	3804.05812	3879.99091
65711.1974	59622.8668	77409.4701	93349.9768	154599.648	125683.418	116391.584	113344.905	78673.9578	88613.521	100114.784
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153347.465	125880.928	156091.046	178260.472	195465.383	175022.718	199576.407	207485.17	179658.909	194881.898	198771.934

271519.18	325665.131	324207.97	288280.221	360760.794	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
1425.98313	1658.07497	1425.04477	1084.34795	1343.59323	852.919092	1490.0234	1754.58404	1560.97775	1393.28224	954.827856
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
76377.318	102431.54	106612.904	99249.484	192939.3	101754.199	125900.008	123800.012	87536.0599	81236.3876	74781.4953
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
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3523.93484	4226.67269	4207.7608	3741.33299	4572.18639	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
271519.18	325665.131	324207.97	288280.221	360760.794	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
195141.862	223233.591	217595.065	190087.003	189235.515	116983.537	209158.324	225759.484	222339.761	204035.759	164642.928

195141.862	223233.591	217595.065	190087.003	189235.515	116983.537	209158.324	225759.484	222339.761	204035.759	164642.928
74610.1025	74889.6418	95552.4647	104968.696	110144.476	91451.935	89448.0036	74041.9819	84821.9502	77780.3831	95056.6813
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
3523.93484	4226.67269	4207.7608	3754.84167	4846.15467	2769.88395	4242.85592	4426.48469	3923.96886	3612.41163	3031.84023
76377.318	102431.54	106612.904	99249.484	192939.3	101754.199	125900.008	123800.012	87536.0599	81236.3876	74781.4953
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271519.18	325665.131	324207.97	289336.487	382174.815	218737.736	335058.332	349559.496	309875.821	285272.147	239424.423
924554.623	996844.347	1101173.6	1061762.05	1232518.78	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
4837.6365	5057.35133	4827.61675	3969.0312	4564.32301	3844.77989	5285.40854	6196.00231	6059.15868	4796.18309	3373.74754
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
444322.403	528619.036	622715.013	633079.537	1117003.33	815604.956	769583.585	749342.932	593192.181	485270.978	456214.326
23.160076	17.943893	24.453872	19.155614	40.490206	39.532813	36.668843	28.005261	22.950508	20.412428	20.531356
2.779209	0.717755	0.733616	0.95778	1.619608	1.185984	1.466753	3.920736	13.311295	0.408248	1.437194
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
52.740703	57.640715	58.322718	60.300197	67.633125	62.526276	65.485245	71.943911	62.21622	56.723087	47.331629
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924554.623	996844.347	1101173.6	1061762.05	1232518.78	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
480232.22	468225.312	478458.583	431337.606	174863.222	176282.407	425288.428	488099.623	612635.287	503559.014	393463.717
480232.22	468225.312	478458.583	431337.606	174863.222	176282.407	425288.428	488099.623	612635.287	503559.014	393463.717
1.36	0.12	0.09	0.43	0.26	0.08	0.16	0.41	10.71	0.11	0.31
299120.586	293973.327	382535.582	422351.266	442868.457	365807.74	357792.014	295347.647	332082.265	310088.391	384180.229
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
444322.403	528619.036	622715.013	633079.537	1117003.33	815604.956	769583.585	749342.932	593192.181	485270.978	456214.326

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924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
11.202277	11.088199	11.085489	11.006589	10.723338	10.766346	10.921598	10.932445	11.204494	11.229205	11.105559
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0.268449	0.3006	0.29837	0.318872	0.463414	0.434541	0.35401	0.338906	0.23083	0.270689	0.297102
1681726.55	1844632.83	2489625.23	2875987.24	4560813.7	3420411.08	2738440.31	2130553.9	1931775.36	1906561.57	2607859.01
2362944.52	2459428.38	3066525.92	3333514.97	3826114	3061806.86	3036609.01	2612555.39	2781810.29	2571747.08	3026534.27
12173.5404	12377.3499	13338.5244	12342.7106	14065.1184	11789.0337	13315.2201	13000.6295	13909.4662	12172.3565	11731.325
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0.034957	0.03321	0.035902	0.033429	0.030855	0.0361	0.033956	0.036198	0.035984	0.033174	0.036165
421054.318	458376.634	503198.875	501855.042	737691.081	600285.498	553286.541	499003.457	400882.585	409152.459	454487.099
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672027.723	729914.516	798838.984	805553.577	1165604.84	945254.357	889454.509	801981.195	664268.651	652488.592	718066.677
675.62589	1.199303	153.487359	46.134399	8838.9758	5207.69141	846.16003	463.144121	344.49832	1135.28325	6538.37361
133286.904	132922.982	146516.837	137238.315	144709.069	124262.211	138428.492	129600.697	137986.6	130120.473	132934.91
347.101312	353.518569	351.359321	350.097742	354.67909	353.017644	354.037063	352.175807	325.440094	353.588241	353.550292
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6
367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
37842.428	41491.782	45565.172	45886.782	69408.768	56151.136	50943.246	45783.782	35928.856	36568.18	41008.892
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32.48481	31.65745	31.611577	31.550489	32.336739	32.487098	32.176618	32.249358	33.311334	32.97471	33.004188
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1037719.26	1176539.65	1341895.42	1408621.42	3178072.77	2398177.53	1802925.11	1539087.6	961780.796	1049198.08	1329704.09
74836.8278	74889.6418	95661.0391	105794.19	110907.994	91451.935	89448.0036	74064.5039	84871.8501	77927.4427	96374.5159
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1482041.66	1705158.69	1964610.44	2041700.96	4295076.1	3213782.49	2572508.69	2288430.53	1554972.98	1534469.05	1785918.42
1375.81	1415.31	1456.32	1355.77	1878.83	1714.49	1674.64	1495.48	1404.5	1613.9	1892.76
139983.895	181659.152	86808.305	22140.3451	200264.084	199458.719	212006.651	335026.846	112518.747	78536.2026	33630.6118
18.777203	20.396462	21.314828	22.121359	31.496367	29.091526	24.379749	23.209942	19.192246	19.860636	21.550386
354954.67	331116.019	614193.372	850642.479	561816.394	453774.48	416938.009	234805.908	496204.466	455039.763	853696.563

304.55	274.08	340.99	356.04	265.85	223.3	259.24	218.96	358.73	317.46	353.41
169.961058	140.59639	169.658075	205.250791	187.531961	182.223411	156.987121	130.179736	157.389539	177.028007	216.761991
5.557772	5.628492	9.113936	11.376473	5.626454	6.284486	5.870144	4.264836	5.969045	5.826253	8.960328
20,740.24	17,211.28	28,395.44	36,993.23	20,101.35	18,159.60	18,838.09	11,456.65	25,863.33	22,525.80	38,224.34
163102.346	201007.158	99648.7687	24411.9017	257363.413	257239.96	261992.048	403153.62	126846.594	91674.8223	40580.9121
5.477261	5.387376	4.702955	2.009908	7.244491	8.399799	7.902727	9.629268	4.704588	5.419699	4.586721
3,998.27	5,486.33	2,620.15	666.90	4,902.69	4,868.05	5,938.06	9,651.29	3,300.02	2,040.63	655.41
24.793134	24.370354	26.950485	27.621004	42.41092	41.953457	33.700562	30.052953	24.785302	27.455217	38.464532
24.533363	24.172888	26.886983	27.607524	42.346171	41.904919	33.608877	29.768907	24.686665	27.349092	38.435761
-16741.97	-11724.951	-25775.294	-36269.731	-13904.911	-13291.55	-12900.027	-1805.3624	-22563.317	-20485.166	-37568.931
-43.598878	-31.183379	-61.811255	-92.524822	-34.080663	-37.760084	-32.992395	-4.905875	-53.215369	-55.666213	-99.91737
-6139949.7	-6186616.5	-7194467.2	-7251189.5	-8025678.7	-6653647.8	-6999399.8	-6304014	-7023199.5	-6272001.1	-6825048.3
-82.072084	-82.627482	-75.22623	-68.553388	-72.375338	-72.779767	-78.270163	-85.139338	-82.755559	-80.539893	-70.863633
-6139949.7	-6186616.5	-7194467.2	-7251189.5	-8025678.7	-6653647.8	-6999399.8	-6304014	-7023199.5	-6272001.1	-6825048.3
54096.5855	57678.3578	67265.5966	68800.9599	90806.647	73292.3333	70609.9142	62607.8553	59008.5154	55401.6423	58150.1722
2007989.85	2128312.36	2452332.55	2482872.49	3264297.6	2608032.38	2619671	2377749.48	2285605.83	2116707.32	2172837.71
5922210.67	5947228.49	6931687.83	6988921.26	7655169.31	6352341.64	6713472.69	6046076.9	6814532.76	6060753.81	6593184.75
6114062.99	6077337.35	7446232.44	7815151.84	7959622.29	6548876.16	6868418.65	5877729.19	7183890.64	6424118.75	7406300.4
0.011126		0.000218	0.007189				0.000494	0.052744		
566811.87	571592.176	735793.069	806078.264	872508.689	717269.566	692560.775	570675.703	595691.896	601428.848	748227.45
4.69	3.64	4.03	4.45	4.86	3.99	3.88	3.93	5.31	3.72	3.64
43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
7621991.39	7891775.2	9159077.6	9292890.45	12320754.8	9867430.28	9571908.52	8592444.52	8578172.45	7806470.19	8610966.67
4090843.71	4434193.09	5333667.61	5687993.28	8493873.52	6565807.19	5895100.99	5140747.65	4601217.37	4354773.33	5084232.92
1173876.16	1261820.14	1381850.38	1386967.8	2128704.21	1733447.02	1569557.39	1414253.14	1143061.11	1157339.1	1299245.61
58094.8583	63164.6911	69885.7456	69524.4594	97003.0832	78160.3854	76547.977	72259.1415	62308.5334	57442.2763	58805.5846
43473.4886	40218.6634	42144.1248	42069.8724	39383.4298	37031.2271	39222.6473	39647.1141	62664.5483	41759.8085	38189.991
4090843.71	4434193.09	5333667.61	5687993.28	8493873.52	6565807.19	5895100.99	5140747.65	4601217.37	4354773.33	5084232.92
49473.8178	51289.0818	56094.9447	56282.9887	102596.212	81724.3497	67081.4839	60913.869	49222.1689	49035.531	57396.7647
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043
20252.4303	21672.9091	24320.5736	23637.6774	27594.3152	22009.2494	25604.731	26475.3595	26379.6774	20874.0963	17796.6926
444322.403	528619.036	622715.013	633079.537	1117003.33	815604.956	769583.585	749342.932	593192.181	485270.978	456214.326
-480232.22	-468225.31	-478458.58	-431337.61	-174863.22	-176282.41	-425288.43	-488099.62	-612635.29	-503559.01	-393463.72
924554.623	996844.347	1101173.6	1064417.14	1291866.55	991887.364	1194872.01	1237442.56	1205827.47	988829.992	849678.043

2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
-3826881.3	-3601770.6	-3676807.5	-3751844.4	-3676995.1	-4056494.2	-3367655.5	-3597268.4	-3520730.8	-4056494.2	-3520730.8
-3826881.3	-3601770.6	-3676807.5	-3751844.4	-3676995.1	-4056494.2	-3367655.5	-3597268.4	-3520730.8	-4056494.2	-3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8

25.654276	22.584293	25.044375	26.344338	27.504335	40.949417	37.339389	30.349391	28.659413	22.66948	23.669404
23.307205	23.307185	23.307106	23.307185	23.307086	23.773308	23.77323	23.773288	23.773327	23.773288	23.773308
25.530663	22.460674	24.920722	26.220701	27.380699	40.823716	37.213699	30.223701	28.533714	22.543754	23.543708
25.62575	22.555766	25.01584	26.315807	27.475804	40.920409	37.310383	30.320386	28.630405	22.640467	23.640397
24.912603	21.842577	24.30246	25.602512	26.762517	40.195212	36.585253	29.595249	27.905218	21.915121	22.915231
25.188353	22.118343	24.5783	25.878319	27.038321	40.475622	36.865637	29.875635	28.185624	22.195588	23.195629
25.606732	22.536747	24.996816	26.296785	27.456783	40.90107	37.291046	30.301049	28.611067	22.621124	23.621059
25.644767	22.574784	25.034863	26.334828	27.494825	40.939747	37.32972	30.339723	28.649744	22.659809	23.659735

21.475371	21.475371	21.475371	21.475371	21.475371	21.904879	21.904879	21.904879	21.904879	21.904879	21.904879
1.18	1.18	1.18	1.18	1.18	1.22	1.22	1.22	1.22	1.22	1.22
25.35	22.28	24.74	26.04	27.2	40.64	37.03	30.04	28.35	22.36	23.36
4.793281	4.778652	4.848472	5.634785	6.290948	6.142415	6.185218	5.552759	5.042577	4.751455	4.770981
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
0.033799	0.032395	0.028418	0.022875	0.02602	0.033985	0.036051	0.03218	0.034945	0.02915	0.028152
8869.725	8360.1	8569.35	8794.125	8590.5	9215.775	7634.475	8187.75	7990.65	9261.9	8046.9
21.739522	21.771093	21.860586	21.930486	21.91454	21.735318	21.688849	21.834	21.713722	21.844103	21.866576
9180	8640	8820	9000	8820	9540	7920	8460	8280	9540	8280
22.5	22.5	22.5	22.44389	22.5	22.5	22.5	22.56	22.5	22.5	22.5

4.2	7.76				5.88	5.56	0.94		7.68	7.08

4.33274	4.05017	1.13028	1.41285	0.65933	7.44101	7.346819	6.781679	5.93397	2.44894	3.67341
0.021813	0.017836	0.001679	0.001463	0.000343	0.096848	0.08465	0.027966	0.026219	0.011703	0.014906
0.020857	0.017057	0.001581	0.0014	0.000331	0.093867	0.082301	0.027047	0.025407	0.01132	0.014184
17115.0014	3913.57801	1056.7184	355.990465	295.479873	55333.0408	27123.7183	6675.22904	2271.97262	6888.29517	8608.70575
58.321044	15.681847	4.934666	1.378825	0.959968	192.563749	99.964387	26.657838	10.202327	31.609642	32.694219
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76

0.032009	0.040312	0.031989	0.035225	0.024668	0.02849	0.031505	0.033351	0.029782	0.031344	0.03326
4649.03002	3578.2781	338.70724	305.92912	71.01926	21742.8196	15826.3689	5555.89134	5107.9237	2622.2496	2851.69644
23465.1465	17253.535	1617.03971	1689.95503	436.141437	107830.487	77591.9126	27660.8621	26680.3804	11704.6473	14488.5142
2.280994	2.095156	0.582239	0.856219	0.454726	3.930156	3.854322	3.506247	3.234189	1.203716	1.928028
2853.96012	661.582247	181.014172	52.524238	43.367808	9274.09939	4516.53696	1194.12137	374.48295	1268.55382	1439.61012
22906.52	21374.16	22008.68	22382.78	22175.14	23891.36	19772.78	21080.68	20708.32	23821.18	20634.08
56.143431	55.661875	56.144591	55.817406	56.569234	56.347547	56.17267	56.215146	56.272608	56.182028	56.070869
23664	22272	22736	23200	22736	24592	20416	21808	21344	24592	21344
58	58	58	57.855361	58	58	58	58.154666	58	58	58
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
25.478166	23.531977	6.534013	9.492081	4.880168	44.1278	43.337125	39.694962	36.104301	13.769728	21.629527
25.478166	23.531977	6.534013	9.492081	4.880168	44.1278	43.337125	39.694962	36.104301	13.769728	21.629527
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
32751.6256	24922.7558	2062.00822	2069.5444	521.520878	146749.37	113237.639	38011.1975	35627.075	16115.5791	20769.7507
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.84689	1897.57785	3606.15119
32751.6256	24922.7558	2062.00822	2069.5444	521.520878	146749.37	113237.639	38011.1975	35627.075	16115.5791	20769.7507
196.53	112.71	148.34	116.73	118.52	260.3	216.56	201.04	172.14	113.64	133.13
10631.9697	16638.6686	876.008518	1628.91576	204.977763	73050.587	65319.2049	26263.4534	29222.2555	7329.70611	8554.89375
12527.3941	20346.4357	927.053247	1682.35941	214.026508	83334.8851	79979.3607	30173.2238	33098.3958	8354.56938	10444.1639
13.176142	21.007164	4.145928	8.094344	2.618253	31.422664	36.412043	36.311021	34.829838	9.644634	13.935002
190.579668	309.660882	16.742018	26.903586	2.935709	1323.78386	1200.74657	463.082064	502.54175	143.719691	149.918921
57.327421	56.556063	56.112095	66.502373	70.615127	57.670839	56.93864	58.184257	58.779485	53.678448	57.314116
26.339141	15.825285	4.478048	4.591813	4.943058	45.454328	43.732072	32.388826	18.214008	13.830777	20.020358
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
1.209754	0.989322	0.091734	0.080997	0.019234	5.444339	4.773465	1.57296	1.473641	0.656603	0.822717
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.84689	1897.57785	3606.15119
5004.65452	4370.50917	129.281305	84.638166	21.063241	18365.7426	20794.7153	5072.51507	4132.84689	1897.57785	3606.15119
303.000331	70.239117	19.217981	5.576413	4.60429	984.616136	479.513425	126.777935	39.758249	134.680308	152.841078
17115.0014	3913.57801	1056.7184	355.990465	295.479873	55333.0408	27123.7183	6675.22904	2271.97262	6888.29517	8608.70575
4.15	4	0.36	0.5	0.08	25.59	15.61	6.63	7.94	3.1	2.83
-5004.6545	-4370.5092	-129.28131	-84.638166	-21.063241	-18365.743	-20794.715	-5072.5151	-4132.8469	-1897.5778	-3606.1512
-17532.049	-24716.945	-1056.3346	-1766.9976	-235.08975	-101700.63	-100774.08	-35245.739	-37231.243	-10252.147	-14050.315
2.29	0.59	0.25	0.06	0.05	5.7	2.42	0.63	0.31	0.87	0.91
2418.4737	1463.3149	134.2062	138.0482	39.0567	11227.4782	7669.0841	2484.5271	2028.9588	1042.9164	1338.8553
0.16	0.13	0.02	0.04		1.03	0.51	0.32	0.21	0.2	0.09

71.5872	58.1646	8.9484	17.8968		470.0611	232.7487	146.0384	95.8377	91.274	41.0733
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
23465.1465	17253.535	1617.03971	1689.95503	436.141437	107830.487	77591.9126	27660.8621	26680.3804	11704.6473	14488.5142
493.58	379.9	35.96	32.48	7.54	2308.4	1680.26	589.86	542.3	278.4	302.76
71.5872	58.1646	8.9484	17.8968		470.0611	232.7487	146.0384	95.8377	91.274	41.0733
27746.9711	20552.2466	1932.72691	1984.90623	500.457637	128383.628	92442.9233	32938.6825	31494.2281	14218.0013	17163.5995
4210.2374	3240.547	306.7388	277.0544	64.3162	20083.08	14618.262	5131.782	4718.01	2422.08	2634.012
					0.29	0.6	0.47			
11.172767	11.198175	11.139212	11.11809	11.080933	10.792951	10.859134	10.978575	11.026887	11.250843	11.252077
0.522149	0.520442	0.527797	0.54515	0.581051	0.790363	0.731861	0.630944	0.59841	0.491039	0.488031
0.505996	0.49854	0.27164	0.523218	0.563462	0.765714	0.705499	0.608424	0.579396	0.47432	0.470628
783548.657	617670.446	327706.542	724391.087	827832.073	1165254.86	863217.257	727858.752	550540.161	778299.466	665281.875
3125.53428	3085.7585	1564.35492	3083.96759	3007.88763	4196.61521	3267.65436	3135.73568	2666.33519	3816.23052	3083.67084
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
0.031764	0.040572	0.035459	0.04045	0.031198	0.032287	0.035625	0.036223	0.032635	0.034103	0.036576
255450.006	236835.545	131096.793	257570.918	270216.559	386159.28	297206.795	277481.994	259917.587	250698.314	215995.962
302820.113	279493.719	155797.384	305336.268	320102.826	472981.858	364507.374	340472.596	319183.323	305056.636	264408.549
2.9835	2.9835	2.9835	2.9835	2.9835	3.045099	3.0451	3.0451	3.0451	3.0451	3.0451
460704.087	427132.905	236433.065	464529.151	487335.564	704779.301	542432.122	506432.387	474375.587	457549.494	394214.23
43849.44	40786.95	22357.62	42604.02	42154.47	45544.41	37680.06	40224.18	39514.89	45458.94	39353.94
107.474117	106.216015	57.034744	106.244438	107.536913	107.416061	107.045625	107.26448	107.377418	107.214481	106.940054
45288	42624	43512	44400	43512	47064	39072	41736	40848	47064	40848
111	111	111	110.723192	111	111	111	111.296	111	111	111
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
35.33032	35.513406	36.024008	35.249686	35.026629	34.806735	35.001936	35.386493	35.58742	36.317861	36.323476
34.965932	35.04721	34.864362	34.804523	34.694978	34.52709	34.726562	35.090842	35.237924	35.935328	35.927479
808782.848	750533.609	424036.04	817538.962	854720.239	1246302.01	959572.023	896174.05	840561.38	807980.384	697853.604
680575.473	579663.826	340780.08	699600.674	765933.904	1653425.34	1175039.81	904036.521	793773.446	582462.048	524798.613
-128207.37	-170869.78	-83255.96	-117938.29	-88786.336	407123.328	215467.789	7862.47003	-46787.934	-225518.34	-173054.99
680575.473	579663.826	340780.08	699600.674	765933.904	1653425.34	1175039.81	904036.521	793773.446	582462.048	524798.613
395.04	367.45	201.42	383.82	379.77	410.31	339.46	362.38	355.99	409.54	354.54
17557.0517	123805.862	83908.0582	83573.0153	19814.8467	72689.0512	89756.2661	161452.858	282542.92	21586.7575	25445.3483
19512.6295	145837.981	91715.2341	95770.4569	21974.1075	103760.244	125739.788	201083.063	341790.383	23807.2933	28127.0764

18.449156	33.71272	40.525668	29.543418	15.027951	19.028206	22.756661	34.654387	53.840103	19.129907	23.793394
523.378386	3720.84079	2499.24093	2502.0792	593.540451	2148.82886	2649.76877	4732.74503	8265.0202	639.697955	738.663596
24.508421	21.234409	24.525408	25.392843	27.144705	35.668352	31.648099	27.020274	26.020102	22.069391	22.772954
24.487074	20.95297	24.291833	25.308375	27.122404	35.653376	31.62132	26.886523	25.507088	22.03788	22.716295
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
56.165573	55.338041	30.152051	57.932428	62.544377	84.994283	78.310471	67.715173	64.312956	52.649551	52.239722
-261731.09	-294663.72	-151780.25	-252570.61	-230028.53	205277.873	60117.7968	-137177.37	-182646.86	-356558.34	-285956.08
-261731.09	-294663.72	-151780.25	-252570.61	-230028.53	205277.873	60117.7968	-137177.37	-182646.86	-356558.34	-285956.08
22392.1756	17528.9672	9320.36307	20728.8248	23923.8555	33888.7471	24915.5172	20660.445	15402.1478	21683.712	18485.5544
783548.657	617670.446	327706.542	724391.087	827832.073	1165254.86	863217.257	727858.752	550540.161	778299.466	665281.875
4.61	17.84	9.36	19.36	6.78	55.46	46.66	42.73	37.09	3.31	4.07
128207.375	170869.783	83255.9602	117938.288	88786.3356	-407123.33	-215467.79	-7862.47	46787.9341	225518.336	173054.99
108694.745	25031.8022	-8459.2739	22167.8313	66812.2281	-510883.57	-341207.58	-208945.53	-295002.45	201711.042	144927.914
353.13	276.28	138.14	296.59	338.48	274.26	215.39	228.16	207.53	367.87	314.39
	0.002604	0.466836								
95650.5894	71076.6897	39587.689	86879.6978	101593.651	110665.659	86933.1651	81228.8416	70932.3871	81303.777	74320.9034
0.89	1.05	1.44	1.11	0.82	0.95	0.75	0.78	0.85	0.92	0.81
7677.14	9057.3	12421.44	9574.86	7073.32	8358.1	6598.5	6862.44	7478.3	8094.16	7126.38
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.303	939020.393	810754.693
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.303	939020.393	810754.693
763524.2	706626.624	392230.449	769865.42	807438.39	1177761.16	906939.496	846904.983	793558.91	762606.129	658622.78
22915.554	21249.808	11819.604	23230.904	24517.396	36037.576	27565.286	25393.19	23667.168	22323.41	19224.218
7677.14	9057.3	12421.44	9574.86	7073.32	8358.1	6598.5	6862.44	7478.3	8094.16	7126.38
942306.567	874327.548	492560.333	952171.281	995962.435	1448147.47	1114922.02	1041213.89	976420.303	939020.393	810754.693
37581.5086	34849.6851	19384.1506	38098.6826	40208.5294	60182.7519	46034.0276	42406.6273	39524.1706	37280.0947	32104.4441
18.01	54.78	41.49	53.98	24.24	29.86	39.33	71.14	91.14	22.83	20.87

0.029901	0.023125	0.021454	0.032525	0.031709	0.023632	0.027386	0.03	0.028315	0.029339	0.038315

1187.4	1125.36	1150.77	1160.97	1138.71	1241.94	1027.08	1094.16	1072.74	1234.68	1061.7
2.910294	2.930625	2.935637	2.895187	2.904872	2.929103	2.91784	2.91776	2.915054	2.911981	2.885054
1224	1152	1176	1200	1176	1272	1056	1128	1104	1272	1104
3	3	3	2.992518	3	3	3	3.008	3	3	3

11.590524	11.774371	11.543026	11.506495	11.444647	11.278546	11.323032	11.444074	11.472089	11.736065	11.711389
0.660034	0.608255	0.689335	0.70269	0.722974	0.842463	0.810119	0.746828	0.720802	0.598355	0.608143
0.629415	0.533608	0.659146	0.66598	0.637871	0.805874	0.767677	0.714598	0.682351	0.365496	0.582941
301500.826	241518.345	301555.774	309579.453	288338.106	397254.683	315334.477	316872.117	297219.878	186893.715	259866.569
1208.64376	1225.46973	1485.8705	1323.33092	1047.43814	1434.82461	1199.46714	1375.51305	1450.83521	917.031381	1201.34385
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
0.044387	0.048489	0.042882	0.05105	0.043163	0.043891	0.05517	0.044308	0.051603	0.050589	0.042554
127484.191	102293.02	127487.193	130938.927	121950.846	164365.965	130423.555	131072.404	123048.967	77718.6138	107652.542
151071.823	120867.428	151050.628	154952.846	144236.344	201324.654	159907.534	160806.807	150761.171	94559.4441	131975.436
2.2673	2.267299	2.2673	2.2673	2.2673	2.3146	2.3146	2.3146	2.3146	2.314599	2.314599
138613.561	111223.201	138616.825	142369.896	132597.155	179914.985	142761.623	143471.853	134689.399	85070.7946	117836.472
16724.85	14445.85	16133.17	16281.09	14840.59	17431.77	14300.94	15451.62	14966.58	11146.46	15150.62
40.992279	37.619401	41.156045	40.601221	37.858647	41.112665	40.62767	41.20432	40.670054	26.28882	41.170163
17544	16512	16856	17200	16856	18232	15136	16168	15824	18232	15824
43	43	43	42.892768	43	43	43	43.114666	43	43	43
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
27.87871	29.023445	27.702974	27.712151	27.933753	27.610971	27.860249	28.100712	28.143789	29.487293	28.779477
27.337781	27.757289	27.232792	27.151404	27.014458	27.182849	27.285633	27.565366	27.632333	28.260102	28.186355
307004.585	250947.266	306590.22	315381.866	297212.385	403086.108	320948.312	322311.879	302311.496	194726.973	264871.151
315453.937	234982.446	305932.486	327746.438	321212.257	643876.725	471209.07	389331.971	343139.537	169815.086	247220.552
8449.35197	-15964.82	-657.73436	12364.5721	23999.872	240790.617	150260.758	67020.0917	40828.0417	-24911.888	-17650.599
315453.937	234982.446	305932.486	327746.438	321212.257	643876.725	471209.07	389331.971	343139.537	169815.086	247220.552
388.95	335.95	375.19	378.63	345.13	405.39	332.58	359.34	348.06	259.22	352.34

24.308419	20.580054	24.510668	25.63179	26.711092	33.960531	38.484299	28.11244	28.387354	20.398408	21.41463
6.806357	7.203018	20.834068	7.176901	6.677773	7.471316	10.39076	8.152607	7.380712	13.054981	14.347802
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
27.064877	22.945182	28.343316	28.56576	27.428494	34.652594	33.010113	30.80968	29.341114	15.716367	25.066467
-58186.634	-69433.382	-67295.29	-56077.205	-39743.835	154876.527	82088.3658	-1491.4538	-23489.653	-65535.407	-73920.582
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11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
301500.826	241518.345	301555.774	309579.453	288338.106	397254.683	315334.477	316872.117	297219.878	186893.715	259866.569
-8449.352	15964.8201	657.734356	-12364.572	-23999.872	-240790.62	-150260.76	-67020.092	-40828.042	24911.8876	17650.5988
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3.02	3.89	31.33	3.26	2.87	2.19	2.64	3.58	2.47	12.07	11.18
0.00245	0.080729		0.0025	0.079081				0.002717	0.356132	
93531.9728	61990.3188	73793.3145	84843.42	88386.8012	108502.823	84020.8372	79692.1765	68597.1569	49605.6373	72934.6548
1.29	2.21	1.18	1.36	2.08	1.34	1.29	1.25	1.17	1.8	1.15
5503.7592	9428.9208	5034.4464	5802.4128	8874.2784	5831.4254	5613.8349	5439.7625	5091.6177	7833.258	5004.5815
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.191	235350.493	321141.135
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.191	235350.493	321141.135
289685.383	232090.629	289667.453	297322.742	276833.498	381239.64	302669.157	304278.66	285450.57	179630.239	249811.908
11042.47	8810.95	11110.58	11454.87	10751.97	14692.7	11619.56	11553.63	10797.53	6663.74	9224.46
5503.7592	9428.9208	5034.4464	5802.4128	8874.2784	5831.4254	5613.8349	5439.7625	5091.6177	7833.258	5004.5815
373640.572	304415.828	373227.776	383823.643	360956.092	489000.198	389120.704	390823.425	366629.191	235350.493	321141.135
11815.4429	9427.7165	11888.3206	12256.7109	11504.6079	16015.043	12665.3204	12593.4567	11769.3077	7263.4766	10054.6614
0.019191	0.028541	0.026173	0.030475	0.029719	0.024716	0.037187	0.029521	0.021875	0.022193	0.044239
1200.51	1119.12	1145.22	1163.43	1141.05	1240.56	1016.73	1094.7	1079.85	1243.77	1055.16
2.942426	2.914375	2.921479	2.901321	2.910841	2.925849	2.888437	2.9192	2.934375	2.933419	2.867282
1224	1152	1176	1200	1176	1272	1056	1128	1104	1272	1104
3	3	3	2.992518	3	3	3	3.008	3	3	3

4.357333	2.535774	0.14	8.277636	8.896725	5.905401	3.088224	1.41001	2.675138
0.004387	0.00488	0.000023	0.016878	0.025959	0.005453	0.002559	0.001711	0.003586
0.004333	0.004703	0.00002	0.016386	0.025261	0.005292	0.00251	0.001679	0.003543
1400.9237	284.119404		3197.43495	2346.91252	414.308204	55.249826	142.566346	932.25956
4.566411	1.12621		11.108247	8.756791	1.635654	0.247215	0.636628	3.343267

88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
0.025036	0.033828	0.033992	0.031262	0.034362	0.027429	0.022741	0.027234	0.037133	0.033691	0.028084
1248.4	1284.3	5.6			4885.8	6305.4	1404.7	651	503.2	922.4
6293.50543	6158.20587	30.657733			20580.6708	27812.9768	6050.8535	3407.83115	2118.98833	4667.2943
1.552992	0.865789	0.054745			2.598953	2.889048	1.848791	1.137548	0.440625	0.949397
270.990607	57.837641				787.160305	498.580378	103.04042	10.266413	31.674408	195.413158
19955.4	18482.4	18934.8	19377.6	18929.8	20624.2	17187.6	18261.9	17678.8	20502.7	17937.7
48.910294	48.13125	48.303061	48.323192	48.290306	48.641981	48.828409	48.6984	48.040217	48.355424	48.74375
20400	19200	19600	20000	19600	21200	17600	18800	18400	21200	18400
50	50	50	49.875311	50	50	50	50.133333	50	50	50
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
31.418022	17.052856	0.766443			46.455038	63.268967	34.946311	18.757115	9.080194	19.199498
21.858212	12.242737	0.766443			37.149988	41.022109	26.184864	16.125376	6.228898	13.393601
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
7054.07212	7311.61294	33.159429			22938.8024	33281.3696	6860.53625	3778.58277	2371.83742	5455.62683
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.059622	240.909091	779.386527
7054.07212	7311.61294	33.159429			22938.8024	33281.3696	6860.53625	3778.58277	2371.83742	5455.62683
307.94	147.59	131.27	96	102.95	277.74	276.99	225.79	158.25	178.9	198.11
4901.85473	5887.14147	30.657733			17624.4678	25583.4063	5676.2273	3364.27332	1988.36198	3743.98074
5515.43387	6977.39047	33.159429			19315.6854	30519.6845	6393.62977	3722.17219	2226.40629	4339.43544
5.71039	3.838013	0.4			11.640821	13.424078	8.368921	4.417706	2.056977	3.574149
69.098127	86.168739	0.4			291.372038	409.072586	92.139969	45.466684	33.337542	51.434774
72.661857	70.135195				62.022495	71.273588	59.59687	75.893596	61.947634	72.333405
12.352515	4.208111				20.431775	21.366852	6.49834	2.276807	3.097381	7.23334
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
0.216666	0.235156	0.00102			0.819339	1.263068	0.265333	0.125543	0.083962	0.177173
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.059622	240.909091	779.386527
751.293692	1140.35207	2.501696			2116.89963	5351.05085	770.000752	359.059622	240.909091	779.386527
19.301872	4.13126				56.027961	35.527413	7.36003	0.733315	2.262457	13.765225
1400.9237	284.119404				3197.43495	2346.91252	414.308204	55.249826	142.566346	932.25956
1.13	1.24	0.01			4.72	5.81	1.64	0.74	0.6	0.67
-751.29369	-1140.3521	-2.501696			-2116.8996	-5351.0508	-770.00075	-359.05962	-240.90909	-779.38653
-6266.7276	-8117.7425	-35.661125			-21432.585	-35870.735	-7163.6305	-4081.2318	-2467.3154	-5118.822
0.2	0.01				0.43	0.22	0.04	0.01	0.02	0.18
706.0124	604.6197	1.9906			2623.4376	3483.8158	683.6992	276.8247	221.2588	480.9575

0.01	0.01				0.42	0.15	0.07	0.02	0.02	0.01
4.881	4.881				232.056	83.862	34.846	9.956	9.956	4.978
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
6293.50543	6158.20587	30.657733			20580.6708	27812.9768	6050.8535	3407.83115	2118.98833	4667.2943
88.4	90.3	0.4			347.4	444.6	99.5	46.2	35.6	65.2
4.881	4.881				232.056	83.862	34.846	9.956	9.956	4.978
6302.77843	6171.26087	30.657733			20821.9028	27930.3188	6090.5355	3419.52315	2130.92833	4676.2403
4.392	8.174				9.176	33.48	4.836	1.736	1.984	3.968
					0.02	0.07	0.02			

0.030686	0.024973	0.027551	0.02535	0.034234	0.032735	0.025767	0.031622	0.021711	0.033042	0.032989

1581.92	1497.64	1524.8	1559.44	1514.32	1640.48	1371.72	1456.44	1440.04	1639.96	1423.44
3.877254	3.900104	3.889795	3.888877	3.863061	3.869056	3.896931	3.88384	3.913152	3.86783	3.868043
1632	1536	1568	1600	1568	1696	1408	1504	1472	1696	1472
4	4	4	3.990024	4	4	4	4.010666	4	4	4

10.549824	10.661461	10.507401	10.497966	10.485144	10.228182	10.284529	10.379329	10.416111		10.629468
0.402194	0.396004	0.437301	0.447463	0.476957	0.688802	0.655453	0.539965	0.503172		0.352395
0.377942	0.376454	0.411482	0.426052	0.451777	0.655057	0.622924	0.511888	0.475671		0.181526
289626.705	269404.075	299816.11	317426.917	327526.819	512740.549	406348.38	361247.572	326801.107		128798.585
1140.54984	1345.97388	1468.87976	1348.50289	1189.39642	1850.44909	1547.80106	1557.80457	1589.75919		552.418272
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
0.064705	0.053932	0.062678	0.051	0.058903	0.05033	0.058153	0.053829	0.053559	0.062405	0.057798
94720.0442	88990.1792	98316.1214	103958.71	107258.878	164499.674	130274.223	115780.242	105875.018		41340.8834
112907.002	105200.552	117219.649	123501.968	127333.711	201785.841	160115.389	142636.116	130362.124		50804.9336
2.994199	2.994199	2.994199	2.994199	2.9942	3.056	3.056	3.056	3.056		3.056
171841.104	161445.983	178365.107	188601.891	194589.057	302021.401	239183.474	212572.524	194386.533		75901.8619
22361.76	21288.794	21531.398	22244.56	21618.126	23595.876	19427.658	20847.536	20354.71		11077.158

54.808235	55.439567	54.927035	55.472718	55.14828	55.65065	55.19221	55.593429	55.311711		30.100972
23908.8	22502.4	22971.2	23440	22971.2	24846.4	20627.2	22033.6	21564.8	24846.4	21564.8
58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
36.205853	36.660387	36.195601	34.793608	36.202194	34.262848	34.918297	35.255372	35.222621		42.795335
32.117707	32.456459	31.991002	31.965557	31.928672	31.796271	31.966441	32.257084	32.370353		33.02487
319432.737	297735.885	331461.786	340140.805	360235.029	545923.907	430844.815	388654.593	355658.964		162419.596
293102.698	258287.467	288965.989	317970.08	340156.956	763965.738	564546.294	421740.214	364568.555		121636.025
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293102.698	258287.467	288965.989	317970.08	340156.956	763965.738	564546.294	421740.214	364568.555		121636.025
381.6	363.29	367.43	379.6	368.91	402.66	331.53	355.76	347.13		189.03
0.918016	1816.87066	872.863335	69.743143		18.394531	17.532654	164.371934	3589.31328		61.225796
0.836955	2170.21166	992.469418	67.725003		20.125688	16.794928	178.71309	4514.02979		61.919896
0.025765	5.745613	4.640931	1.451344		0.535187	0.510992	3.113636	7.365437		1.016842
0.025765	59.038273	28.054704	2.025796		0.535187	0.510992	4.788238	113.661527		1.803416
26.058668	21.823367	24.549398	25.419195	27.510114	38.334757	36.963786	29.550687	28.293023		25.561439
23.681546	21.777793	24.545745	23.317523	24.759102	37.557505	32.151252	27.737463	27.948947		20.148723
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574
22.147406	22.060239	24.112892	24.904408	26.474163	38.386372	36.503357	30.076629	27.874326		10.637429
-75840.206	-85963.585	-93885.633	-76509.942	-76142.288	132057.852	65607.1431	-27432.711	-46431.281		-62392.451
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9036.11623	8412.09373	9424.1993	9984.6422	10377.872	16275.2868	12848.671	11273.9478	10144.0905		3912.77058
289626.705	269404.075	299816.11	317426.917	327526.819	512740.549	406348.38	361247.572	326801.107		128798.585
	0.05	0.31	0.02		0.04		0.09	0.34		
26330.039	39448.4181	42495.7966	22170.7246	20078.0722	-218041.83	-133701.48	-33085.621	-8909.5911		40783.5708
26329.202	37278.2065	41503.3272	22102.9996	20078.0722	-218061.96	-133718.27	-33264.334	-13423.621		40721.6509
20.38	23.13	166.25	25.62	18.41	21.54	18.76	19.8	18.71		11.22
								0.002717	1	0.453804
85597.8175	65776.7886	67155.5575	80772.9054	89413.1348	99934.74	78736.1637	74087.0798	64953.9769		37101.6098
1.54	1.37	1.59	1.17	1.69	1.68	1.24	1.38	1.28		1.7
29805.1138	26514.9389	30772.8123	22644.1449	32708.2093	33164.964	24478.902	27242.649	25268.544		33559.785
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.836		184028.476
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.836		184028.476
284748.107	266646.535	295584.756	312103.859	321922.768	503807.241	399298.863	355208.639	324748.656		126706.796
9036.142	8471.132	9452.254	9986.668	10377.872	16275.822	12849.182	11278.736	10257.752		3914.574

29805.1138	26514.9389	30772.8123	22644.1449	32708.2093	33164.964	24478.902	27242.649	25268.544		33559.785
368942.904	344251.052	382851.622	394480.022	416299.244	631907.887	498939.151	449172.925	410999.836		184028.476
4879.51668	4574.41128	5104.21716	5392.80072	5604.05088	8951.7021	7067.0501	6203.3048	5641.7636		2153.0157
0.01	0.57	2.01	0.18		0.04	0.05	0.26	1.06		0.09
3.15	1.65				5.7	7.35	3.45	1.05	0.75	2.25
0.002964	0.003998				0.010444	0.020463	0.002932	0.001419	0.000962	0.002913
0.002769	0.003932				0.010117	0.020056	0.002792	0.001385	0.000919	0.00288
166.044961	22.567256				372.554109	187.153703	23.587563			211.727612
0.527827	0.073418				1.269832	0.709884	0.087938			0.774098
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
0.037696	0.03276	0.030382	0.030625	0.033163	0.023962	0.021875	0.02992	0.031847	0.033231	0.025054
237.3	317.1				900.9	1482.6	220.5	107.1	81.9	222.6
1199.11955	1523.58543				3616.65812	6343.92346	933.31668	559.418607	338.370777	1130.12788
1.057613	0.537371				1.581993	2.179415	1.018997	0.364247	0.212935	0.758261
28.555347	4.545627				95.449936	41.836885	4.2			45.361263
5496.68	5199.88	5321.26	5428.5	5306	5793.76	4820.2	5106.5	4987.92	5738.74	5022.92
13.472254	13.541354	13.574642	13.537406	13.535714	13.664528	13.69375	13.617333	13.55413	13.534764	13.649239
5712	5376	5488	5600	5488	5936	4928	5264	5152	5936	5152
14	14	14	13.965087	14	14	14	14.037333	14	14	14
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
16.614199	8.060571				25.547573	33.049561	15.284959	5.463709	3.194028	11.373917
16.614199	8.060571				25.547573	33.049561	15.284959	5.463709	3.194028	11.373917
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.418607	338.370777	1130.12788
1331.44034	1783.85901				4012.49639	7546.82281	1049.24508	626.792222	386.649776	1308.28564
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
1331.44034	1783.85901				4012.49639	7546.82281	1049.24508	626.792222	386.649776	1308.28564
156.28	96.79	85.9	50.98	53.37	142.86	139.23	111.85	83.67	98.21	115.65
1043.57459	1501.01818				3443.60401	6209.26976	909.729117	559.418607	338.370777	918.400265
1163.66039	1760.71278				3596.73978	7329.51335	1023.96676	626.792222	386.649776	1053.70531
2.654022	1.538787				5.122699	6.758119	3.22	0.98	0.7	2.015915
13.91631	20.836958				53.69667	96.050874	14.42	7.14	5.46	11.815915
79.331166	74.719488				65.28004	70.963644	90.540761			81.322856
4.759869	2.241584				7.180804	6.386728	0.905407			2.439685
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84

0.038774	0.055052				0.14165	0.280795	0.0392	0.019402	0.012877	0.040326
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
121.820795	260.273573				196.338267	1150.39934	115.928396	67.373615	48.278998	178.15776
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166.044961	22.567256				372.554109	187.153703	23.587563			211.727612
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0.01					0.19	0.05				
10.5					199.5	52.5				
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.418607	338.370777	1130.12788
1209.61955	1523.58543				3816.15812	6396.42346	933.31668	559.418607	338.370777	1130.12788
1199.11955	1523.58543				3616.65812	6343.92346	933.31668	559.418607	338.370777	1130.12788
15.82	21.14				60.06	98.84	14.7	7.14	5.46	14.84
10.5					199.5	52.5				
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11.137832	11.200774	11.090472	11.074524	11.029648	10.751853	10.824596	10.942582	10.982884	11.344732	11.29453
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1393358.16	1132813.13	930135.144	1351753.45	1443992.48	2134153.12	1614557.9	1413091.57	1176888.37	972224.043	1063699.72
5538.14316	5674.08358	4524.03985	5757.18023	5245.68215	7686.83074	6124.35363	6097.43473	5717.37914	4765.50817	4874.24455
43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
0.034019	0.035705	0.034088	0.034736	0.034682	0.031717	0.034018	0.034129	0.034594	0.035707	0.035918
483788.971	433298.422	357244.414	492774.485	499497.303	742554.438	581518.942	531515.731	494707.595	331624.278	368986.084
597756.71	530497.025	425715.359	585481.037	592109.022	1008120.17	796279.109	678560.551	630954.247	413778.086	467474.855
2.818469	2.835554	2.729842	2.796536	2.809589	2.938536	2.939032	2.886647	2.886259	2.886247	2.852531
771158.751	699802.089	553414.997	795500.939	814521.776	1186715.69	924377.219	862476.764	803451.519	542620.288	587952.565
3153.50607	723.965516	181.014172	52.524238	43.367808	10156.7096	5056.95422	1301.36179	384.749364	1300.22823	1680.38454
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353.27011	348.125661	302.747622	351.612256	350.532413	354.292761	352.952394	354.147909	352.702445	283.132853	328.162005
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43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
172.925273	149.842645	107.223041	107.247527	104.042745	212.810969	237.436136	188.668811	159.278957	91.849106	160.101233
32.71304	33.088864	31.397986	32.220745	32.24672	33.060293	33.249294	32.925361	33.03851	34.344324	33.638176
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1830.54	1431.54	1309.55	1405.76	1368.65	1905.14	1641.91	1617.1	1465.24	1067.19	1349.88
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43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
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42794.9677	34826.6844	29874.3603	42173.9134	45058.3018	65903.7414	49901.5782	43622.4407	36384.2598	28484.3948	31792.4154
1393358.16	1132813.13	930135.144	1351753.45	1443992.48	2134153.12	1614557.9	1413091.57	1176888.37	972224.043	1063699.72
10.58	23.95	10.04	19.88	6.86	89.12	72.41	51.73	46.48	7.24	8.19
140210.293	220511.886	126277.708	127659.803	84843.4725	-886634.76	-526726.19	-113926.63	-7508.9787	248243.457	226925.464
101490.338	43419.155	32609.7919	30139.2612	62655.3385	-1096662.4	-770311.33	-352779.22	-391260.75	213468.539	182899.164
379.12	303.92	335.97	325.53	359.81	304.41	239.47	252.23	229.03	380.83	338
0.000222	0.007575	0.042439	0.000227	0.007189				0.000494	0.123284	0.041254
278224.929	201244.59	180672.758	252634.071	279432.644	334172.388	262717.836	238438.228	206899.614	132259.145	186451.052
3.9	4.77	4.23	3.68	4.59	5.61	3.99	3.8	3.53	2.94	3.76
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
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43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
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58491.0975	52100.5339	36683.4271	56025.2486	57381.5044	105241.753	80418.1401	66340.0068	61654.9879	46967.6353	46950.1012
18.02	55.35	43.5	54.16	24.24	30.21	40.07	71.92	92.2	22.83	20.96
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
887592.389	364403.054	591854.429	608902.057	912148.254	693219.375	515929.839	395320.623	254882.582	623951.212	563701.028
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
887592.389	364403.054	591854.429	608902.057	912148.254	693219.375	515929.839	395320.623	254882.582	623951.212	563701.028
378.47	303.64	337.79	324.92	359.7	302.11	237.36	251.1	228.04	392.93	338.26
210.240806	170.24074	164.104364	174.969261	213.017052	191.276677	187.389263	158.814405	134.428598	164.989756	183.642762
104.756901	69.562722	80.580906	84.646356	106.081785	73.68707	79.826473	71.504042	53.70984	79.539219	78.647081
39985.7853	21657.3981	27482.1309	27970.5774	38784.1552	24457.1506	20825.5088	18704.5715	12656.4803	31417.564	26769.506
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
3548616.45	2117008.2	2598848.15	3089304.75	3883529.6	5526439.63	3986044.51	3052439.27	2428967.44	2588838.84	2497541.36
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
887592.389	364403.054	591854.429	608902.057	912148.254	693219.375	515929.839	395320.623	254882.582	623951.212	563701.028
3527.41342	1778.2076	2894.04624	2589.21303	3312.42611	2468.30845	1929.91105	1705.11115	1227.32389	3041.01175	2556.84547
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101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
887592.389	364403.054	591854.429	608902.057	912148.254	693219.375	515929.839	395320.623	254882.582	623951.212	563701.028
378.47	303.64	337.79	324.92	359.7	302.11	237.36	251.1	228.04	392.93	338.26
210.240806	170.24074	164.104364	174.969261	213.017052	191.276677	187.389263	158.814405	134.428598	164.989756	183.642762
104.756901	69.562722	80.580906	84.646356	106.081785	73.68707	79.826473	71.504042	53.70984	79.539219	78.647081

39985.7853	21657.3981	27482.1309	27970.5774	38784.1552	24457.1506	20825.5088	18704.5715	12656.4803	31417.564	26769.506
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2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
3548616.45	2117008.2	2598848.15	3089304.75	3883529.6	5526439.63	3986044.51	3052439.27	2428967.44	2588838.84	2497541.36
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33

220666.933	263216.855	299174.174	314782.905	313449.741	370015.181	316050.179	333467.763	359176.972	378581.701	267677.508
899.911079	1338.88153	1479.26055	1352.94179	1150.62357	1340.47792	1203.89212	1455.61069	1759.77416	1865.80014	1268.85253
5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.16353	8943.57905	6323.58866
137488.77	144712.996	183222.614	202502.318	211350.109	374034.015	277921.073	237453.268	241590.97	201533.305	148352.949
5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.16353	8943.57905	6323.58866
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5423.12443	6468.83399	7352.52333	7736.12447	7702.92503	8749.5768	7466.34016	7877.81155	8485.16353	8943.57905	6323.58866
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83178.1632	118503.86	115951.56	112280.587	102939.271	15552.9005	38129.1065	96014.4951	117586.003	177048.396	119324.559
83178.1632	118503.86	115951.56	112280.587	102939.271	15552.9005	38129.1065	96014.4951	117586.003	177048.396	119324.559
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.16353	8943.57905	6323.58866

220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
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5423.12443	6468.83399	7352.52333	7736.12447	7723.17925	9221.86309	7466.34016	7877.81155	8485.16353	8943.57905	6323.58866
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220666.933	263216.855	299174.174	314782.905	314289.381	389586.915	316050.179	333467.763	359176.972	378581.701	267677.508
214482.416	256241.509	291299.32	306265.646	305023.183	358378.081	306084.107	323012.157	347546.428	366557.48	259753.159
874.655389	1303.46097	1440.5132	1316.35483	1119.7618	1298.33851	1165.91419	1410.01515	1702.64674	1806.50758	1231.46999
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
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1.271417	1.955378	6.95188	1.824685	1.617875	0.949694	0.337096	0.177511	2.403681	13.646803	2.769754
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6088.06177	7273.38942	8268.50185	8693.3195	8657.74416	9831.9649	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
214482.416	256241.509	291299.32	306265.646	305023.183	358378.081	306084.107	323012.157	347546.428	366557.48	259753.159
60093.4175	93559.7178	85253.9034	78722.1084	68312.1734	-42828.852	-6148.58	56241.5119	76319.9315	140191.721	92843.0461
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0.28	0.78	2.49	0.43	1.09	0.26	0.05	0.12	0.29	13.1	0.85
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
6088.06177	7273.38942	8268.50185	8693.3195	8680.57916	10362.655	8388.16406	8852.07335	9524.42938	10045.4229	7118.47517
154388.999	162681.791	206045.417	227543.538	237533.403	420293.463	312232.687	266770.645	271226.497	226365.76	166910.113
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214482.416	256241.509	291299.32	306265.646	305845.576	377464.611	306084.107	323012.157	347546.428	366557.48	259753.159
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
838.573081	781.540951	652.213609	652.273713	658.271447	727.284729	674.819011	823.441969	1023.95737	901.509309	912.47622

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101633.628	65858.4389	63320.2276	76333.0332	95357.5307	159328.561	128121.59	108879.199	113528.714	80187.7184	87800.4803
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.22307	3571.49959	3769.10465
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206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
104443.196	87682.1555	67885.0738	75271.6752	84101.8851	41908.8187	49151.7378	79964.3584	94681.4342	102780.206	105290.751
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99431.4387	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	85241.5741	74537.5872	86443.9851	77647.2343
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
4022.58099	2997.08363	2561.1029	2959.2955	3503.01417	3928.11595	3460.34214	3686.19085	4064.22307	3571.49959	3769.10465
206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
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206076.824	153540.594	131205.301	151604.708	179459.416	201237.38	177273.328	188843.557	208210.148	182967.924	193091.231
256167.456	278695.303	345949.062	322338.995	295644.705	379140.228	227661.253	323434.418	359538.359	322304.43	290139.866
1049.9493	1423.99963	1721.48161	1388.88635	1093.46248	1382.18664	871.559676	1419.43726	1769.23586	1592.95106	1386.23473
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
78740.2593	76907.1998	108295.858	105019.056	101267.547	195662.043	104554.859	115902.403	124550.587	88752.2325	80952.4563
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
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3243.85787	3529.12882	4380.76564	4081.79049	3743.6377	4687.19579	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
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177427.196	201788.103	237653.204	217319.939	195462.043	203068.939	123106.394	207532.015	234987.772	233552.197	209187.41

177427.196	201788.103	237653.204	217319.939	195462.043	203068.939	123106.394	207532.015	234987.772	233552.197	209187.41
101558.378	76752.5183	79919.385	93531.9819	107449.778	116690.338	91043.1638	86738.5718	75531.2435	86356.5667	79228.2505
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
3243.85787	3529.12882	4380.76564	4081.79049	3757.15864	4931.62383	2812.36878	3995.48385	4441.48683	3981.52477	3584.18612
78740.2593	76907.1998	108295.858	105019.056	101267.547	195662.043	104554.859	115902.403	124550.587	88752.2325	80952.4563
-177427.2	-201788.1	-237653.2	-217319.94	-195462.04	-203068.94	-123106.39	-207532.02	-234987.77	-233552.2	-209187.41
256167.456	278695.303	345949.062	322338.995	296729.59	398730.981	227661.253	323434.418	359538.359	322304.43	290139.866
897393.629	951694.261	1067627.86	1094992.25	1093577.04	1308770.87	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
3663.08885	4847.88309	5293.46897	4710.45669	4022.1193	4748.2878	3916.185	5108.50507	6255.61413	6166.76809	4799.03347
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
472251.656	450160.426	560884.117	611397.945	645508.59	1149318.08	822830.208	729005.514	750896.767	596839.016	484015.999
21.190295	21.726429	23.972002	30.41143	20.223443	31.656466	33.709662	8.875574	20.030682	23.130176	23.081287
1.271417	1.955378	6.95188	1.824685	1.617875	0.949694	0.337096	0.177511	2.403681	13.646803	2.769754
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
46.02359	52.782385	57.558402	58.529999	60.367171	67.085513	62.861406	65.097492	72.052453	62.599118	56.509115
-425141.97	-501533.84	-506743.74	-483594.31	-450815.37	-217701.81	-204238.66	-439752.38	-523575.14	-653572.52	-526645.77
-425141.97	-501533.84	-506743.74	-483594.31	-450815.37	-217701.81	-204238.66	-439752.38	-523575.14	-653572.52	-526645.77
18777.6251	20268.4359	22562.8937	23470.53	23607.3211	27196.8534	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
897393.629	951694.261	1067627.86	1094992.25	1093577.04	1308770.87	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
425141.973	501533.836	506743.742	483594.309	450815.373	217701.806	204238.658	439752.38	523575.14	653572.52	526645.766
425141.973	501533.836	506743.742	483594.309	450815.373	217701.806	204238.658	439752.38	523575.14	653572.52	526645.766
0.28	0.78	2.49	0.43	1.09	0.26	0.05	0.12	0.29	13.1	0.85
404106.573	307010.073	319677.54	374377.044	429799.112	469363.574	369606.07	345457.29	301180.917	345688.522	315590.037
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
472251.656	450160.426	560884.117	611397.945	645508.59	1149318.08	822830.208	729005.514	750896.767	596839.016	484015.999

-425141.97	-501533.84	-506743.74	-483594.31	-450815.37	-217701.81	-204238.66	-439752.38	-523575.14	-653572.52	-526645.77
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
11.137832	11.200774	11.090472	11.074524	11.029648	10.751853	10.824596	10.942582	10.982884	11.344732	11.29453
0.302305	0.291698	0.273021	0.316891	0.332086	0.464079	0.436227	0.368565	0.349101	0.244216	0.271097
0.291046	0.276826	0.225281	0.304446	0.31726	0.447939	0.419889	0.354486	0.335458	0.188284	0.242396
2661024.06	1752605.15	2006993.72	2480402.7	2971381.35	4833220.25	3470114.67	2657118.65	2174084.86	1964887.63	1933840.33
3178344.18	2448910.45	2589617.43	3055647.76	3449717.78	4136143.37	3157556.6	2977170.08	2706242.86	2846586.79	2638062.52
12728.6454	12300.1743	12711.5551	13056.85	12580.2276	14903.427	11970.4497	12911.0509	13200.3172	13973.288	12230.1235
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3826881.31	3601770.64	3676807.53	3751844.42	3676995.12	4056494.19	3367655.55	3597268.43	3520730.8	4056494.19	3520730.8
0.034019	0.035705	0.034088	0.034736	0.034682	0.031717	0.034018	0.034129	0.034594	0.035707	0.035918
483788.971	433298.422	357244.414	492774.485	499497.303	742554.438	581518.942	531515.731	494707.595	331624.278	368986.084
597756.71	530497.025	425715.359	585481.037	592109.022	1008120.17	796279.109	678560.551	630954.247	413778.086	467474.855
2.818469	2.835554	2.729842	2.796536	2.809589	2.938536	2.939032	2.886647	2.886259	2.886247	2.852531
771158.751	699802.089	553414.997	795500.939	814521.776	1186715.69	924377.219	862476.764	803451.519	542620.288	587952.565
3153.50607	723.965516	181.014172	52.524238	43.367808	10156.7096	5056.95422	1301.36179	384.749364	1300.22823	1680.38454
144134.205	133680.254	118677.068	140996.515	137408.706	150220.131	124239.243	132805.466	129794.5	120048.33	120763.618
353.27011	348.125661	302.747622	351.612256	350.532413	354.292761	352.952394	354.147909	352.702445	283.132853	328.162005
149776.8	140966.4	143903.2	146840	143903.2	155650.4	129219.2	138029.6	135092.8	155650.4	135092.8
367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999
43591.966	39023.23	32418.798	44704.922	45654.778	69721.958	54257.728	48929.616	45318.09	29306.61	32746.052
172.925273	149.842645	107.223041	107.247527	104.042745	212.810969	237.436136	188.668811	159.278957	91.849106	160.101233
32.71304	33.088864	31.397986	32.220745	32.24672	33.060293	33.249294	32.925361	33.03851	34.344324	33.638176
1470479.54	1327463.85	1064051.43	1475046.54	1512668.11	2348333.72	1838134.82	1647103.06	1534005.01	1019394.66	1148114.32
1330269.25	1106951.97	937773.722	1347386.74	1427824.64	3234968.47	2364861.01	1761029.68	1541513.99	771151.2	921188.854
101558.378	76752.5183	79919.385	93615.0208	107449.778	117557.745	92854.3021	86738.5718	75556.0429	86443.9851	79357.276
-140210.29	-220511.89	-126277.71	-127659.8	-84843.472	886634.756	526726.192	113926.627	7508.97873	-248243.46	-226925.46
1802520.9	1557112.39	1498657.84	1958784.68	2073333.23	4384286.55	3187691.22	2490035.2	2292410.76	1367990.22	1405204.85
1830.54	1431.54	1309.55	1405.76	1368.65	1905.14	1641.91	1617.1	1465.24	1067.19	1349.88
34135.3687	149649.561	85687.5877	85271.6742	20019.8245	166826.104	186885.68	194466.64	319278.18	31243.1964	38723.8488
21.189083	19.141199	20.787027	21.719219	22.547224	31.573816	29.170704	24.458005	23.28883	19.271247	19.939527
887592.389	364403.054	591854.429	608902.057	912148.254	693219.375	515929.839	395320.623	254882.582	623951.212	563701.028

378.47	303.64	337.79	324.92	359.7	302.11	237.36	251.1	228.04	392.93	338.26
210.240806	170.24074	164.104364	174.969261	213.017052	191.276677	187.389263	158.814405	134.428598	164.989756	183.642762
8.729741	5.796893	8.05809	9.40515	11.786865	6.140589	6.652206	5.95867	4.47582	7.230838	6.553923
39,985.79	21,657.40	27,482.13	27,970.58	38,784.16	24,457.15	20,825.51	18,704.57	12,656.48	31,417.56	26,769.51
38719.9549	177092.731	93667.9162	97520.5413	22188.134	210027.68	243585.142	238852.596	383751.773	34774.9188	44026.3009
3.810488	5.806692	4.971252	4.343234	1.960689	6.615866	7.773831	7.836407	8.820899	3.053499	3.992454
797.00	4,196.55	2,544.44	2,531.01	596.48	3,818.22	4,356.15	5,307.18	8,933.83	822.22	953.64
31.345238	24.503312	25.034419	26.365509	27.978444	42.501091	41.039207	33.580776	29.991407	24.627003	27.980883
31.31276	24.368943	24.954193	26.270251	27.967622	42.453454	40.986063	33.436506	29.763232	24.570082	27.927862
-39188.787	-17460.852	-24937.693	-25439.569	-38131.069	-19391.53	-16469.359	-13397.396	-3722.6501	-30595.349	-25815.869
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61572.5928	55095.1202	52437.2541	65644.4434	68665.6229	93100.5948	72028.7933	68034.0003	62899.5626	55026.4211	52587.77
2290751.79	2084507.39	1997763	2446745.7	2537569.52	3442923.99	2641626.77	2581849.46	2451360.27	2222635.58	2074361.49
7053257.63	6076421.51	6316822.7	6843501.23	7184035.31	8220781.49	6515282.69	6580212.83	6210881.82	6923197.79	6208142.36
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783889.88	585007.182	580269.683	720626.137	816681.535	921093.707	725178.208	670634.089	583636.573	564391.652	581398.364
3.9	4.77	4.23	3.68	4.59	5.61	3.99	3.8	3.53	2.94	3.76
43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
9105448.41	7857311.57	8002032.22	9059699.22	9518418.66	12978811.6	9994590.62	9344317.74	8758810.07	8462851.53	7804127.16
5278567.1	4255540.93	4325224.69	5307854.8	5841423.54	8922317.38	6626935.07	5747049.32	5238079.26	4406357.35	4283396.36
1368915.46	1230299.11	979130.356	1380981.98	1406630.8	2194835.86	1720656.33	1541037.31	1434405.77	956398.374	1055427.42
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43072.9812	45064.2053	48237.6471	38039.3145	48655.8077	48256.1065	37060.3476	39725.7359	37944.2554	16028.648	45736.7978
5278567.1	4255540.93	4325224.69	5307854.8	5841423.54	8922317.38	6626935.07	5747049.32	5238079.26	4406357.35	4283396.36
58491.0975	52100.5339	36683.4271	56025.2486	57381.5044	105241.753	80418.1401	66340.0068	61654.9879	46967.6353	46950.1012
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76
18777.6251	20268.4359	22562.8937	23470.53	23663.9312	28444.2579	22127.2151	24411.5596	26515.3028	26542.0263	20795.3546
472251.656	450160.426	560884.117	611397.945	645508.59	1149318.08	822830.208	729005.514	750896.767	596839.016	484015.999
-425141.97	-501533.84	-506743.74	-483594.31	-450815.37	-217701.81	-204238.66	-439752.38	-523575.14	-653572.52	-526645.77
897393.629	951694.261	1067627.86	1094992.25	1096323.96	1367019.89	1027068.87	1168757.89	1274471.91	1250411.54	1010661.76

2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
-3750343.7	-3750343.7	-3673806.1	-3903418.9	-3673806.1	-3597433	-3970580.4	-3503453.3	-3659162.3	-3892725.9	-3814871.3
-3750343.7	-3750343.7	-3673806.1	-3903418.9	-3673806.1	-3597433	-3970580.4	-3503453.3	-3659162.3	-3892725.9	-3814871.3
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
26.199365	25.659382	22.589444	25.04937	26.359428	27.50942	41.376135	37.726094	30.666183	28.95611	22.896045
23.77321	23.773366	23.773308	23.773249	23.773288	23.77323	24.248735	24.248657	24.248754	24.248715	24.248754
26.073685	25.533695	22.463732	24.923688	26.233723	27.383718	41.251767	37.601743	30.541796	28.831752	22.771714
26.170362	25.630377	22.560434	25.020367	26.330419	27.480412	41.347435	37.697397	30.637478	28.927412	22.867353
25.445287	24.905263	21.835173	24.295279	25.605196	26.755207	40.62993	36.979989	29.919861	28.209966	22.150059
25.725649	25.18564	22.115607	24.575646	25.885616	27.03562	40.907365	37.257387	30.19734	28.487378	22.427413
26.151026	25.611041	22.541093	25.001031	26.31108	27.461073	41.328301	37.678266	30.618342	28.90828	22.848226
26.189697	25.649713	22.579774	25.039703	26.349758	27.499751	41.366568	37.716528	30.656615	28.946544	22.886481

21.904879	21.904879	21.904879	21.904879	21.904879	21.904879	22.342976	22.342976	22.342976	22.342976	22.342976
1.22	1.22	1.22	1.22	1.22	1.22	1.25	1.25	1.25	1.25	1.25
25.89	25.35	22.28	24.74	26.05	27.2	41.07	37.42	30.36	28.65	22.59
4.80825	4.795982	4.782376	4.845034	5.636352	6.288978	6.249918	6.263741	5.642513	5.095109	4.799212
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
0.022295	0.030663	0.038854	0.025073	0.024375	0.023297	0.024362	0.027444	0.031781	0.032275	0.035663
8623.35	8549.55	8304.3	8949.825	8429.4	8262.9	8956.35	7877.7	8191.125	8709.525	8505.45
21.998341	21.810076	21.625781	21.935845	21.894545	21.975797	21.951838	21.8825	21.843	21.773812	21.697576
8820	8820	8640	9180	8640	8460	9180	8100	8460	9000	8820
22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.56	22.5	22.5

8.22	2.3	11.06	4.08	2.14			2.63		6.1	

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7298.59472	4561.6217	4228.37748	158.42758	431.57858	147.50154	21737.3566	17552.6833	5025.9784	7396.92908	2775.21416
37177.898	23302.6923	20033.6453	784.697391	2460.10995	937.489309	107321.673	87353.594	26683.9316	38838.6004	12992.7462
3.549412	2.428352	1.923398	0.314584	1.12294	0.879281	3.963076	4.049085	3.503834	3.486489	1.153276
5848.30944	3200.04797	1106.24833	1.981295	101.129924	90.482659	10487.6128	6438.46695	1019.43484	600.689963	960.480121
22038.26	22070.74	21552.8	22931.46	21629.94	21313.84	23020.2	20201.98	21283.68	22584.62	22041.16
56.220051	56.302908	56.127083	56.204558	56.181662	56.685744	56.422058	56.116611	56.75648	56.46155	56.227448
22736	22736	22272	23664	22272	21808	23664	20880	21808	23200	22736
58	58	58	58	57.84935	58	58	58	58.154666	58	58
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
39.823784	27.198192	21.688309	3.614033	12.529423	9.535362	44.559113	45.327434	39.323553	39.037502	13.057009
39.823784	27.198192	21.688309	3.614033	12.529423	9.535362	44.559113	45.327434	39.323553	39.037502	13.057009
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
55070.3471	32858.1318	29886.4382	1005.6928	3032.91496	1128.92937	146484.149	126696.726	36264.8047	52563.068	18393.6091
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.17595	2756.52969
55070.3471	32858.1318	29886.4382	1005.6928	3032.91496	1128.92937	146484.149	126696.726	36264.8047	52563.068	18393.6091
243.99	193.19	120.9	113.94	91.12	95.68	257.33	240.29	203.88	200.59	139.17
8823.35677	8156.64879	17614.8078	929.298449	2179.2064	410.649845	65992.7155	65231.7869	25033.1073	42217.0709	10237.0143
11198.0789	9634.83865	21942.5511	994.347147	2302.63262	429.09152	75175.94	79150.465	28725.547	48246.838	12052.9305
14.026053	12.098817	18.751244	4.017929	9.654128	4.026262	30.327627	33.954169	34.58382	37.502932	11.020046
153.974442	144.556081	331.471403	16.609649	35.083199	6.053602	1194.3671	1179.97837	425.368251	721.545717	192.667378
58.332881	57.113068	55.779011	51.629637	65.367338	69.795	58.145943	60.057458	60.973337	57.896083	55.240727
41.963931	27.967845	16.693832	0.516296	10.309989	9.05114	45.287602	47.374374	31.043647	24.294739	13.185068
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
1.976734	1.235459	1.169062	0.041225	0.119012	0.041648	5.656421	5.1765	1.422933	1.9633	0.751632
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.17595	2756.52969
11068.8465	5287.26507	5901.55192	65.53401	155.916218	46.070659	18231.4648	22520.2518	4754.06011	6611.17595	2756.52969
620.905557	339.743918	117.448596	0.21035	10.7368	9.606397	1113.4529	683.561625	108.231748	63.774282	101.972621
35178.1438	19414.2179	6370.07855	10.860342	697.792343	672.208863	62259.9691	38944.6872	6477.63729	3734.82117	5400.06512
3.56	3.81	4.34	0.29	0.71	0.17	24.26	16.75	6.3	10.94	2.79
-11068.847	-5287.2651	-5901.5519	-65.53401	-155.91622	-46.070659	-18231.465	-22520.252	-4754.0601	-6611.176	-2756.5297
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5.03	2.26	0.66		0.08	0.1	6.87	3.68	0.82	0.38	0.85
4090.0201	2407.9941	1825.7325	63.1871	204.3061	80.4092	11479.7766	8691.1632	2318.8387	2932.2044	1108.7617
0.18	0.12	0.1	0.02	0.04	0.02	0.94	0.59	0.19	0.3	0.06

82.1466	54.7644	45.637	9.1274	18.2548	9.1274	437.57	274.645	88.445	139.65	27.93
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
37177.898	23302.6923	20033.6453	784.697391	2460.10995	937.489309	107321.673	87353.594	26683.9316	38838.6004	12992.7462
774.88	484.3	448.92	16.82	45.82	15.66	2307.82	1863.54	533.6	785.32	294.64
82.1466	54.7644	45.637	9.1274	18.2548	9.1274	437.57	274.645	88.445	139.65	27.93
44001.5006	27570.8667	23984.8863	940.158791	2876.99875	1082.85871	128252.685	104176.474	31510.7446	45951.892	15637.0794
6741.456	4213.41	3905.604	146.334	398.634	136.242	20493.4416	16548.2352	4738.368	6973.6416	2616.4032
						0.5	0.54	0.37		
11.160864	11.187143	11.235453	11.187089	11.166488	11.10073	10.805202	10.865972	11.003745	11.045056	11.253873
0.522255	0.515806	0.50056	0.516373	0.530407	0.571114	0.79003	0.73418	0.613547	0.593019	0.491567
0.503057	0.496577	0.48033	0.497212	0.510908	0.550528	0.764774	0.706228	0.588194	0.569407	0.475467
775015.654	757680.883	647945.027	666979.337	710157.878	798423.123	1145213.63	911854.181	739170.822	632902.134	726046.819
2917.03266	2976.85216	3186.18028	3187.84528	2978.57804	2865.55545	4069.10897	3402.21078	3114.6267	3002.72316	3527.2474
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
0.037857	0.037168	0.041588	0.037867	0.037343	0.036914	0.034338	0.039222	0.041356	0.041075	0.033341
243921.493	241127.537	229164.835	251266.28	242258.18	253596.723	371080.537	304127.01	268878.436	277869.273	232253.371
298899.155	295305.169	279044.809	308095.812	296780.231	311526.308	464920.932	380564.214	337153.729	348665.66	290755.988
3.0451	3.0451	3.0451	3.0451	3.0451	3.0451	3.099399	3.099399	3.0994	3.099399	3.0994
445181.117	440081.868	418248.741	458586.087	442145.405	462839.38	686276.345	562452.492	497263.78	513891.433	429529.384
41864.76	41894.73	40851.33	43573.05	41032.26	40195.32	43732.89	38392.68	40009.95	42576.27	42061.23
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43512	43512	42624	45288	42624	41736	45288	39960	41736	44400	43512
111	111	111	111	110.711688	111	111	111	111.296	111	111
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
36.057134	36.116114	36.404897	36.170565	36.095849	35.83683	35.492954	35.692771	36.184441	36.353776	36.976545
35.648154	35.728867	35.886683	35.727764	35.667356	35.463086	35.193074	35.383942	35.812465	35.938213	36.588883
788993.059	779301.071	740986.278	813436.498	783827.213	820479.291	1218858.87	998812.618	885011.121	915032.023	763021.493
677910.944	644211.801	553560.046	636968.547	654821.868	720688.441	1614189.26	1224601.54	876532.178	865636.198	550775.759
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677910.944	644211.801	553560.046	636968.547	654821.868	720688.441	1614189.26	1224601.54	876532.178	865636.198	550775.759
377.16	377.43	368.03	392.55	369.66	362.12	393.99	345.88	360.45	383.57	378.93
5619.30505	13789.9679	83539.4118	137307.241	65135.2754	14313.9279	65209.6774	79420.2775	137225.259	272886.67	29615.9947
6261.75598	15095.5068	97360.752	151069.68	74263.9759	16025.6049	92360.4048	111400.915	172380.03	339075.573	33653.7073

13.283964	16.520939	30.497172	42.975537	27.240659	13.409925	17.783555	22.991043	32.999449	51.005625	21.711419
163.083014	399.26395	2472.86762	4014.5129	1910.70416	417.636102	1885.49016	2299.66918	3964.83774	7861.4106	857.241611
24.420158	24.559158	21.469427	24.31528	25.502191	27.119872	36.152206	32.235668	27.463788	25.983032	22.089717
24.412321	24.540157	21.193907	24.116289	25.434934	27.103157	36.139101	32.21113	27.369189	25.611731	22.058728
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
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21725.951	21207.81	18000.7184	18503.2591	19866.2518	22559.2279	32749.6158	25921.2388	20584.0343	17420.2914	19831.3204
775015.654	757680.883	647945.027	666979.337	710157.878	798423.123	1145213.63	911854.181	739170.822	632902.134	726046.819
1.7	2.65	9.24	14.07	14.19	4.71	49.81	39.75	34.74	37.43	4.66
111082.115	135089.27	187426.233	176467.952	129005.345	99790.8504	-395330.39	-225788.92	8478.94315	49395.8256	212245.734
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343.78	339.14	293.91	296.07	296.88	329.01	265.5	229.46	239.15	233.42	333.51
96196.8608	92449.3995	72167.9154	79657.653	85176.0577	97787.9845	107540	89743.2837	82197.8007	78078.7742	75724.9409
0.95	0.89	1.08	1.04	0.97	0.88	0.94	0.84	0.96	1.03	0.82
8358.1	7830.22	9501.84	9149.92	8534.06	7742.24	8435.56	7538.16	8615.04	9243.22	7358.68
916490.824	905338.434	860770.738	944773.383	910455.564	953034.298	1412822.66	1157779.81	1025553.88	1060274.29	884420.33
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744080.272	735387.037	697293.55	766681.899	738925.637	774365.688	1151197.28	943016.705	834417.51	862557.093	720285.372
21889.034	21607.074	20473.586	22517.772	21776.956	22976.864	34635.106	28220.908	24548.872	25281.702	20688.562
8358.1	7830.22	9501.84	9149.92	8534.06	7742.24	8435.56	7538.16	8615.04	9243.22	7358.68
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7.46	15.44	44.51	69.88	46.01	17.19	28.8	35.53	65.6	87.33	24.97

1138.62	1135.62	1114.17	1195.62	1117.2	1083.09	1188.96	1056.93	1093.53	1159.77	1136.04
2.904642	2.896989	2.901484	2.930441	2.901818	2.880558	2.914117	2.935916	2.91608	2.899425	2.898061
1176	1176	1152	1224	1152	1128	1224	1080	1128	1200	1176
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11.617457	11.63046	11.82101	11.55123	11.54861	11.494779	11.313656	11.363544	11.44234	11.507272	
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288466.201	291763.505	228614.907	312861.347	298246.121	262967.264	382515.373	326353.944	319260.753	323964.334	
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2.314599	2.3146	2.314599	2.3146	2.3146	2.3146	2.3543	2.3543	2.3543	2.3543	
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41.242704	40.899362	36.080807	41.05973	40.71374	35.981622	41.001764	40.867916	41.16648	40.651125	
16856	16856	16512	17544	16512	16168	17544	15480	16168	17200	16856
43	43	43	43	42.888311	43	43	43	43.114666	43	43
10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
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375.98	372.85	322.21	389.59	364.53	314.63	389.04	342.15	359.01	377.87	

27.02652	23.883632	18.928536	23.298865	22.495607	30.004622	42.680714	32.105833	29.469826	27.782668
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26.294693	26.673826	21.193203	27.622647	28.000441	25.451595	34.072254	32.847166	30.573786	28.902125
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10307.52	10456.14	8138.19	11270.04	10780.17	9569.8	13901.48	11824.98	11465.17	11560.85	
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1.18	1.24	1.99	1.27	1.21	1.94	1.3	1.16	1.23	1.29	
5135.1358	5396.2444	8660.1019	5526.7987	5265.6901	8442.5114	5770.492	5149.0544	5459.7732	5726.1036	
356078.273	360329.902	286980.021	386176.509	368132.92	328303.179	469673.046	400976.349	392781.617	398700.428	
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277231.004	280366.313	219744.28	300577.003	286495.736	252536.182	367084.73	313228.217	306534.414	311131.791	
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11235.1968	11397.1926	8870.6271	12284.3436	11750.3853	10431.082	15430.6428	13125.7278	12726.3387	12832.5435	

0.041658	0.02227	0.02901	0.028039	0.026666	0.023723	0.02174	0.036305	0.029707	0.02235	0.02102

1127.01	1149.81	1118.58	1189.68	1121.28	1101.24	1197.39	1040.79	1094.49	1173.18	1151.28
2.875025	2.933188	2.912968	2.915882	2.912415	2.928829	2.934779	2.891083	2.91864	2.93295	2.936938
1176	1176	1152	1224	1152	1128	1224	1080	1128	1200	1176
3	3	3	3	2.992207	3	3	3	3.008	3	3

6.633091	3.65764	2.688098		7.571924	9.461936	4.222489	5.328514	1.825341
0.01076	0.005347	0.006287		0.016673	0.026809	0.003919	0.00462	0.003117
0.010494	0.005275	0.006135		0.016431	0.026055	0.003803	0.004545	0.002969
6294.25721	2525.7628	873.915468		3088.11507	2875.68424	372.524649	271.877003	457.298629
19.505689	8.593583	3.03901		10.420319	10.259004	1.406505	1.26063	2.153568

205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
0.028941	0.021505	0.024179	0.02875	0.04026	0.030119	0.029767	0.033208	0.0273	0.029775	0.028584
2920.9	1461.4	1678.6				4707.2	6649.4	1010.3	1276.5	819
15131.6324	7521.52287	7805.32997				19962.997	29064.0106	4825.74964	6719.05019	3801.6769
2.345994	1.296329	0.903306				2.366845	3.135646	1.411189	1.964036	0.609952
1216.48728	486.142452	183.540847				717.705451	638.939208	69.667733	51.188766	104.422119
18990	19200.1	18684.6	19854.6	18399.4	18160.4	19848.1	17423.1	18286.6	19370	19059.4
48.443877	48.979846	48.657812	48.663235	47.790649	48.298936	48.647303	48.3975	48.764266	48.425	48.620918
19600	19600	19200	20400	19200	18800	20400	18000	18800	20000	19600
50	50	50	50	49.870129	50	50	50	50.133333	50	50
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
54.462142	28.834678	23.341648				40.174625	68.538218	29.458277	31.477583	10.20867
33.218153	18.26777	12.805386				33.814611	44.692395	19.935468	27.776692	8.577891
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
17853.5958	8536.65786	9293.4766				22075.9936	34445.7324	5476.85042	7327.12079	4236.28695
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.873601	427.754045
17853.5958	8536.65786	9293.4766				22075.9936	34445.7324	5476.85042	7327.12079	4236.28695
332.71	282.32	180.72	122.09	87.52	101.75	289.4	317.07	225.89	210.05	198.43
8878.87116	5006.44206	6948.5445				17077.4559	26334.1754	4472.39599	6484.37018	3351.23427
10439.2758	5644.39992	8235.64154				18670.7371	30966.7657	5040.29299	7029.1007	3734.99743
7.40531	4.98896	4.290194				10.253728	14.108044	6.249064	7.723992	2.669333
119.533095	68.853178	104.817436				284.042467	423.784854	66.562707	87.243659	50.741277
75.215792	73.841615	69.093857				63.430007	68.415876	78.235532	74.89086	64.625449
31.47362	13.29149	6.218447				21.421299	23.261397	6.258842	2.995634	3.877526
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
0.524744	0.263775	0.30677				0.821568	1.302777	0.190666	0.22725	0.148469
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.873601	427.754045
2680.46745	1004.45299	1471.01662				1910.42261	5235.87279	631.929778	570.873601	427.754045
86.166904	34.546821	12.982563				51.157532	45.215145	4.937292	3.65634	7.458722
6294.25721	2525.7628	873.915468				3088.11507	2875.68424	372.524649	271.877003	457.298629
2.24	1.19	1.6				4.34	6.39	0.88	1.49	0.66
-2680.4675	-1004.453	-1471.0166				-1910.4226	-5235.8728	-631.92978	-570.8736	-427.75405
-13119.743	-6648.8529	-9706.6582				-20581.16	-36202.638	-5672.2228	-7599.9743	-4162.7515
0.84	0.28	0.12				0.39	0.34	0.03	0.02	0.06
1904.8876	851.6045	879.4333				2534.1462	3758.317	507.5508	520.8852	337.2723

0.04	0.01	0.01				0.35	0.19	0.03	0.07	0.01
24.508	4.978	4.978				196.478	110.543	15.234	35.546	5.078
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
15131.6324	7521.52287	7805.32997				19962.997	29064.0106	4825.74964	6719.05019	3801.6769
205.7	103.4	117.8				335.2	469	71.5	90.9	58.2
24.508	4.978	4.978				196.478	110.543	15.234	35.546	5.078
15173.1284	7532.20487	7822.45997				20165.571	29209.8596	4844.92064	6756.24719	3808.5329
16.988	5.704	12.152				6.096	35.306	3.937	1.651	1.778
						0.01	0.15	0.05		

0.040025	0.03278	0.028437	0.023725	0.035	0.030026	0.033553	0.023861	0.027287	0.02735	0.033112

1505.24	1516.6	1492.32	1593.28	1482.24	1458.84	1577.24	1405.64	1462.96	1556.24	1516.08
3.839897	3.868877	3.88625	3.905098	3.849974	3.879893	3.865784	3.904555	3.901226	3.8906	3.867551
1568	1568	1536	1632	1536	1504	1632	1440	1504	1600	1568
4	4	4	4	3.98961	4	4	4	4.010666	4	4

10.546527	10.583932	10.695911	10.539855	10.555795	10.505323	10.24719	10.306377	10.397411	10.449363	10.682252
0.397792	0.397428	0.369157	0.408213	0.43063	0.474419	0.706285	0.659832	0.530976	0.489394	0.352107
0.377971	0.37249	0.348207	0.385302	0.411726	0.445048	0.67041	0.627274	0.50312	0.459797	0.252716
284361.991	279907.963	255973.355	300086.79	301653.215	316645.789	513024.973	425547.362	361407.427	351213.194	194285.406
1051.62161	1086.96935	1251.40713	1433.99928	1261.86457	1132.58644	1827.60003	1595.49667	1524.03016	1673.57196	940.436888
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
0.052091	0.066224	0.058567	0.057818	0.045598	0.064308	0.053186	0.052305	0.052154	0.0603	0.062321
91222.2409	89792.2717	82821.2121	96402.8865	96701.2533	101488.955	161850.409	134202.828	114011.682	111363.603	61389.3422
112102.602	110353.015	100442.416	118428.453	119064.153	124918.755	202936.855	168460.855	143196.584	140108.757	76878.8221
3.056	3.056	3.056	3.056	3.056	3.056	3.1105	3.110499	3.110499	3.110499	3.110499
167484.034	164858.611	152059.745	176995.7	177543.501	186333.72	301122.685	249684.361	212118.734	207191.984	114214.871
21774.588	21449.944	21184.486	22526.426	21476.314	20616.652	22637.18	19992.562	20884.454	21971.484	16374.012

55.547418	54.719244	55.167932	55.211828	55.782633	54.831521	55.483284	55.534894	55.691877	54.928709	41.770438
22971.2	22971.2	22502.4	23908.8	22502.4	22033.6	23908.8	21096	22033.6	23440	22971.2
58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.756266	58.599999	58.599999
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
36.214172	37.396501	37.576326	36.36537	36.436191	36.751597	35.120277	35.318937	35.850662	36.660281	42.508629
32.77117	32.885641	33.241673	32.751565	32.804169	32.64347	32.425029	32.611712	32.900727	33.058809	33.783953
311209.819	310713.771	284843.977	330299.808	327761.505	345072.901	542433.989	448711.941	388706.654	383942.75	234616.343
294511.347	278506.802	233274.331	281026.425	297968.362	323769.083	769369.901	593187.725	419506.724	391816.507	172999.108
-16698.472	-32206.969	-51569.646	-49273.383	-29793.143	-21303.818	226935.912	144475.785	30800.0697	7873.75693	-61617.235
294511.347	278506.802	233274.331	281026.425	297968.362	323769.083	769369.901	593187.725	419506.724	391816.507	172999.108
371.58	366.04	361.51	384.41	366.49	351.82	386.3	341.17	356.39	373.49	279.42
	9.77087	838.331279	404.032441	50.103593		10.645858	8.327901	115.803254	2123.03309	59.19729
	8.955923	947.416359	439.842494	51.25372		13.062515	7.567169	125.240377	2669.745	56.847202
	0.267464	5.127847	3.975852	1.435279		0.300373	0.129028	2.960088	6.651404	1.612782
	0.267464	26.589746	12.427578	1.435279		0.300373	0.223142	3.255834	65.628222	1.65902
26.165181	25.966938	21.985421	26.174994	26.221405	29.389568	39.292654	36.063335	31.505833	27.815403	24.493816
23.287011	23.108704	19.534057	23.767965	24.630893	26.450611	36.905302	32.427045	28.347739	26.923172	19.81053
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196
22.149142	21.827959	20.404947	22.57874	24.064529	26.079856	39.286058	36.758305	29.561482	26.944135	14.809173
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-64380.337	-79141.39	-94860.293	-99663.172	-80338.888	-74352.095	142336.703	74327.9668	-28793.837	-50335.999	-93705.444
8682.464	8556.29254	7808.91025	9199.69842	9263.40872	9806.026	16028.4116	13232.7669	11082.3002	10712.0258	5803.53698
284361.991	279907.963	255973.355	300086.79	301653.215	316645.789	513024.973	425547.362	361407.427	351213.194	194285.406
		0.04	0.05	0.02		0.02		0.07	0.3	
16698.472	32206.9692	51569.6458	49273.383	29793.1425	21303.8184	-226935.91	-144475.78	-30800.07	-7873.7569	61617.2347
16698.472	32198.0132	50622.2295	48833.5405	29741.8888	21303.8184	-226948.97	-144483.35	-30925.31	-10543.502	61560.3875
22.18	23.29	24.93	22.95	22.75	20.06	19.35	20	23.39	23.22	14.49
									0.0025	0.242346
88899.4405	83439.0986	66483.2994	72350.7003	79055.1592	87903.3616	98035.1419	82865.0905	76344.3702	71073.0675	50089.6521
1.36	1.56	1.42	1.51	1.32	1.44	1.46	1.15	1.35	1.52	2
26847.828	30796.038	28032.291	29808.9855	26058.186	28427.112	29398.3702	23156.2505	27183.4245	30606.5224	40271.74
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.505	266704.552
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.505	266704.552
279586.636	275211.625	252502.161	295424.153	296607.654	311252.475	504059.54	418145.216	355315.319	347300.741	191093.693
8682.464	8556.56	7835.5	9212.126	9264.844	9806.026	16028.712	13232.99	11085.556	10777.654	5805.196

26847.828	30796.038	28032.291	29808.9855	26058.186	28427.112	29398.3702	23156.2505	27183.4245	30606.5224	40271.74
358891.685	357648.192	328134.625	380689.596	378307.25	398121.178	627033.197	518859.759	448300.561	442152.505	266704.552
4775.3552	4706.108	4309.525	5066.6693	5095.6642	5393.3143	8976.07872	7410.4744	6207.91136	6035.48624	3250.90976
	0.03	0.54	0.3	0.1		0.01	0.03	0.22	1.02	0.18
5.1	3.15	2.55				5.4	8.1	3.45	2.85	1.95
0.008433	0.003723	0.005295				0.010072	0.020441	0.002896	0.002187	0.002237
0.008086	0.003647	0.005182				0.009852	0.019694	0.002845	0.002175	0.002193
910.872064	353.058872	126.537593				261.094601	450.105286	53.091362	33.975015	97.008728
2.848105	1.195991	0.404825				0.878588	1.60282	0.195475	0.158838	0.457087
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
0.028316	0.036326	0.036041	0.030637	0.034661	0.019601	0.024264	0.026611	0.032978	0.026925	0.029668
665.7	300.3	417.9				844.2	1488.9	224.7	182.7	180.6
3462.494	1552.6077	1945.33237				3391.09934	6320.13137	1069.93931	978.87096	836.927828
1.716269	1.075641	0.805392				1.491411	2.479983	1.096519	1.009549	0.6087
177.335241	67.503008	27.3				61.697353	108.548785	10.5	6.427513	22.051805
5332.6	5288.64	5182.24	5537	5189.66	5160.82	5573.4	4905.88	5090.4	5449.22	5325.18
13.603571	13.491428	13.495416	13.571078	13.479636	13.725585	13.660294	13.627444	13.5744	13.62305	13.584642
5488	5488	5376	5712	5376	5264	5712	5040	5264	5600	5488
14	14	14	14	13.963636	14	14	14	14.037333	14	14
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
25.806542	16.134621	12.080881				24.955995	37.832153	16.447792	15.643243	9.130514
25.806542	16.134621	12.080881				24.955995	37.832153	16.447792	15.643243	9.130514
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
4056.81523	1741.80889	2284.0532				3731.54893	7503.39072	1201.75778	1060.40499	916.892687
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
4056.81523	1741.80889	2284.0532				3731.54893	7503.39072	1201.75778	1060.40499	916.892687
177.38	150.27	96.88	63.57	44.67	56.94	151.16	171.63	129.23	110.68	107.84
2562.12193	1199.54883	1818.79478				3350.50474	5996.02608	1016.84795	965.895944	739.919099
2982.28677	1344.53967	2136.47564				3463.02112	6948.94504	1139.335	1025.6986	814.568666
4.441819	2.836384	2.24				4.812696	7.486986	3.22	2.588583	1.533809
32.55765	15.519799	26.04				52.166843	92.023414	14.28	11.751499	10.569879
81.860981	81.068449	73.966384				70.34304	71.707209	81.782404	79.636838	67.832782
17.190806	8.106844	2.958655				6.700298	10.039009	1.635648	1.592736	2.713311
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04

0.113214	0.051071	0.072552				0.137941	0.275722	0.039946	0.03045	0.030714
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
583.821231	189.201182	338.720824				119.949592	1057.25935	131.818476	60.534025	79.964859
11.822349	4.5002	1.82				4.113156	7.236585	0.7	0.4285	1.47012
910.872064	353.058872	126.537593				261.094601	450.105286	53.091362	33.975015	97.008728
1.45	0.83	0.98				3.34	4.13	0.71	0.73	0.66
-583.82123	-189.20118	-338.72082				-119.94959	-1057.2593	-131.81848	-60.534025	-79.964859
-3566.108	-1533.7409	-2475.1965				-3582.9707	-8006.2044	-1271.1535	-1086.2326	-894.53353
0.42	0.17	0.07				0.19	0.17	0.03		0.06
972.7437	420.4546	479.6299				1174.6174	1938.7959	272.009	191.9374	185.8216
0.01						0.21	0.12		0.02	
10.5						220.5	126		21	
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
3462.494	1552.6077	1945.33237				3391.09934	6320.13137	1069.93931	978.87096	836.927828
44.38	20.02	27.86				56.28	99.26	14.98	12.18	12.04
10.5						220.5	126		21	
3472.994	1552.6077	1945.33237				3611.59934	6446.13137	1069.93931	999.87096	836.927828
							0.13	0.01		

11.13489	11.161787	11.238254	11.140632	11.126447	11.049054	10.76685	10.840122	10.960275	11.009993	11.119373
0.302267	0.298208	0.27763	0.298458	0.308973	0.323576	0.465278	0.438525	0.359365	0.34423	0.228993
0.291195	0.286494	0.26277	0.287205	0.297005	0.306951	0.449098	0.421552	0.34572	0.33035	0.186643
1390227.12	1351645.39	1139903.82	1279938.33	1310755.01	1378708.39	2106363.16	1706025.96	1426742.25	1312120.34	926286.597
5192.74227	5293.581	5609.52734	6122.85726	5499.02578	4941.94466	7485.43862	6373.8497	6018.82053	6242.01074	4495.04257
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
0.03486	0.034406	0.035677	0.03272	0.035584	0.033225	0.032116	0.034143	0.033604	0.034734	0.035153
465556.261	458096.684	413403.736	477516.446	463020.454	464078.412	715925.041	596933.293	519361.717	530115.005	297417.527
613170.168	586115.02	524927.221	585928.548	569475.443	570776.744	993672.88	838215.777	675672.76	700646.418	385266.161
2.901265	2.878752	2.901335	2.848473	2.853449	2.875842	2.991256	2.995615	2.935432	2.944657	3.118245
743499.769	737226.778	674397.077	777539.204	755013.693	768315.091	1159344.44	958912.096	853174.103	866879.729	543744.255
7242.13196	3753.69343	1317.08918	1.981295	101.129924	90.482659	11267.0156	7185.95495	1099.60257	658.306242	1086.95405
138561.568	138288.284	133339.856	144103.311	135552.484	130882.192	144460.43	127009.712	132834.619	140810.759	117169.832
353.473387	352.776234	347.239208	353.194389	352.084374	348.090936	354.069681	352.804755	354.22565	352.026897	298.902632
143903.2	143903.2	140966.4	149776.8	140966.4	138029.6	149776.8	132156	138029.6	146840	143903.2

367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.078933	367.099999	367.099999
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
220.847485	174.246435	160.707482	104.514299	113.416027	110.809402	208.479201	251.054657	185.861332	187.930283	111.881369
33.697535	33.48265	33.985235	33.008544	33.028132	33.054871	33.706599	33.961417	33.539242	33.822422	36.196684
1456451.84	1423830.27	1296857.94	1463064.61	1417977.53	1438044.83	2301608.58	1918860.02	1635863.91	1682373.22	1017920.38
1356505.13	1266569.61	1040837.54	1229716.26	1266709.12	1333907.32	3172648.54	2475539.2	1728105.82	1693160.66	747321.656
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1356505.13	1266569.61	1040837.54	1229716.26	1266709.12	1333907.32	3172648.54	2475539.2	1728105.82	1693160.66	747321.656
1887.02	1744.4	1461.31	1470.23	1326.13	1282.94	1867.22	1758.19	1637.48	1656.25	1109.89
25883.6549	28162.3784	110759.89	138640.572	67364.5854	14724.5778	151640.999	176990.594	167863.414	324677.04	44003.3597
30881.3974	31728.241	130622.837	152503.87	76617.8622	16454.6964	189683.166	228474.658	207410.446	398046.955	50313.0511
6.651779	5.957361	9.313807	12.74233	9.582516	4.359047	10.533101	13.253902	12.323069	16.170933	6.869454
469.148203	628.460475	2961.7862	4043.55012	1947.22264	423.689704	3416.36695	3995.67897	4474.30453	8747.5797	1112.87917
38.817698	31.964373	25.793541	24.964573	27.335597	29.565939	42.961689	42.213004	34.311727	30.858993	26.295793
38.775942	31.951109	25.650546	24.842805	27.249766	29.551459	42.825351	42.168562	34.257462	30.685025	26.233983
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
106.897903	105.172178	96.463166	105.43323	108.747506	112.681781	164.86421	154.751883	127.252474	121.271515	68.516933
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41434.8298	40599.0335	34080.0698	38973.2079	39920.5674	41944.6603	63848.2311	51714.999	43245.3735	39761.0263	25745.7588
1390227.12	1351645.39	1139903.82	1279938.33	1310755.01	1378708.39	2106363.16	1706025.96	1426742.25	1312120.34	926286.597
8.95	8.48	16.2	14.41	14.92	4.88	81.77	67.02	42.7	50.89	8.77
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375.46	367.74	322.01	323.02	322.48	352.68	296.49	256.18	266.91	260.45	348.97
	0.000231	0.011126		0.000236	0.011363				0.000454	0.11294
287131.565	270161.998	202131.066	230504.342	247433.187	267317.388	325697.863	274681.487	243199.124	229157.137	127446.449
3.72	3.82	4.6	3.84	3.54	4.28	5.2	4.05	3.76	4.23	2.89
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
1694108.4	1659972.21	1509638.06	1712579.65	1659772.73	1680541.51	2661558.76	2217448.38	1904061.66	1954835.24	1171407.42
1694108.4	1659972.21	1509638.06	1712579.65	1659772.73	1680541.51	2661558.76	2217448.38	1904061.66	1954835.24	1171407.42
1356669.94	1323341.8	1199324.3	1363467.75	1324489.14	1339091.83	2153017.32	1797127.87	1528846.86	1567526.15	929010.416
41903.978	41227.494	37041.856	43016.758	41867.79	42368.35	67264.598	55710.678	47719.678	48508.606	26858.638
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
1694108.4	1659972.21	1509638.06	1712579.65	1659772.73	1680541.51	2661558.76	2217448.38	1904061.66	1954835.24	1171407.42

59323.6828	56406.2282	51288.7967	55102.0261	53612.2	54332.0012	104132.29	85377.4961	65655.1262	69075.0328	41246.532
7.46	15.47	45.05	70.18	46.11	17.19	29.32	36.38	66.25	88.35	25.15
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
3682.15091	3506.83773	2035.64292	2234.50919	2659.36972	3398.83755	2449.00989	2070.15194	1976.25622	1496.91856	2920.03117
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103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
375.1	367.42	321.83	322.67	321.74	353.14	294.81	254.66	265.85	259.75	357.3
227.806849	216.867139	177.823275	150.208374	178.182777	219.696223	196.222979	190.845631	162.731453	138.845938	165.313171
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43073.456	40351.2216	23517.6067	22925.2486	28812.8179	40027.1514	24487.2177	22644.0977	20873.689	15808.8299	30453.4777
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-27.041531	-26.169364	-22.986335	-25.125059	-26.519421	-27.645476	-41.544918	-37.785852	-30.950887	-29.055996	-22.981047
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
3765854.19	3485855.07	2221433.45	2616228.07	3053553.25	3840768.57	5462812.53	4202202.63	3215409.53	2754406.63	2455529.55
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
3682.15091	3506.83773	2035.64292	2234.50919	2659.36972	3398.83755	2449.00989	2070.15194	1976.25622	1496.91856	2920.03117
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103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2
375.1	367.42	321.83	322.67	321.74	353.14	294.81	254.66	265.85	259.75	357.3
227.806849	216.867139	177.823275	150.208374	178.182777	219.696223	196.222979	190.845631	162.731453	138.845938	165.313171
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
3765854.19	3485855.07	2221433.45	2616228.07	3053553.25	3840768.57	5462812.53	4202202.63	3215409.53	2754406.63	2455529.55
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35

226070.195	220907.279	274150.481	323821.878	313943.284	312576.784	369001.533	324168.877	345916.013	402031.492	361912.062
875.291128	886.310961	1376.10249	1561.08955	1330.4521	1131.32589	1320.63809	1218.30207	1477.81195	1925.80586	1768.82906
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811
137634.176	132364.716	145105.965	190627.355	194285.579	202467.254	365638.889	277948.852	240647.149	263643.806	187306.44
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811
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226070.195	220907.279	274150.481	323821.878	313943.284	312576.784	369001.533	324168.877	345916.013	402031.492	361912.062
88436.0182	88542.5624	129044.516	133194.522	119657.706	110974.908	23995.3999	46220.025	105268.864	138387.686	174605.622
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103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811

226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
5340.66134	5218.6931	6476.50558	7649.93805	7416.56707	7403.99641	8898.33532	7389.30652	7885.02424	9164.15528	8249.64811
137634.176	132364.716	145105.965	190627.355	194285.579	202467.254	365638.889	277948.852	240647.149	263643.806	187306.44
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226070.195	220907.279	274150.481	323821.878	313943.284	313442.161	389634.289	324168.877	345916.013	402031.492	361912.062
218660.322	213765.809	265735.059	313882.218	304100.253	302826.125	355975.468	312633.122	333694.932	387585.331	348987.104
846.52598	857.636312	1333.95612	1513.33974	1288.75944	1096.11389	1274.0353	1174.9266	1425.66031	1856.44171	1705.63251
5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.6976	9266.78449
154524.215	148623.935	163142.735	214333.092	218301.727	227519.174	410862.542	312257.768	270411.763	296132.368	210423.217
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218660.322	213765.809	265735.059	313882.218	304100.253	302826.125	355975.468	312633.122	333694.932	387585.331	348987.104
64136.1065	65141.8736	102592.325	99549.1267	85798.5261	76150.7469	-34922.066	375.354002	63283.1689	91452.9634	138563.887
64136.1065	65141.8736	102592.325	99549.1267	85798.5261	76150.7469	-34922.066	375.354002	63283.1689	91452.9634	138563.887
0.13	0.31	0.74	0.39	0.49	1.25	0.42	0.42	0.14	0.31	9.11
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.6976	9266.78449
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
5992.33548	5858.20249	7282.40776	8601.86951	8333.79701	8321.27681	9999.16569	8301.46369	8860.72577	10291.6976	9266.78449
154524.215	148623.935	163142.735	214333.092	218301.727	227519.174	410862.542	312257.768	270411.763	296132.368	210423.217
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218660.322	213765.809	265735.059	313882.218	304100.253	303669.921	375940.476	312633.122	333694.932	387585.331	348987.104
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
797.58516	790.123884	779.815307	653.648179	609.323097	613.144563	695.798807	664.115113	818.229117	1054.1508	810.768402

4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.49094	3239.74369
103296.22	97342.4898	67069.2723	65005.5219	72580.7816	89519.3583	156665.179	129609.635	114031.704	120497.857	72305.393
4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.49094	3239.74369
10.282477	9.836161	7.870355	6.461709	7.28509	8.806782	9.318313	9.567856	9.972831	10.693727	8.264652
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4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.49094	3239.74369
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
103198.13	100188.869	87758.8829	70056.1063	71107.0577	80121.1058	38104.7102	46848.4269	77558.8585	98638.0043	93666.676
103198.13	100188.869	87758.8829	70056.1063	71107.0577	80121.1058	38104.7102	46848.4269	77558.8585	98638.0043	93666.676
101206.492	99029.3397	77937.3773	78636.5725	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.49094	3239.74369
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
4030.731	3855.77512	3022.21658	2636.37767	2804.7597	3311.35007	3801.87174	3444.4283	3739.81187	4277.49094	3239.74369
103296.22	97342.4898	67069.2723	65005.5219	72580.7816	89519.3583	156665.179	129609.635	114031.704	120497.857	72305.393
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206494.349	197531.359	154828.155	135061.628	143687.839	169640.464	194769.889	176458.062	191590.562	219135.861	165972.069
253580.813	254702.204	288066.311	366678.167	314276.29	287986.61	375114.385	231941.614	335783.978	387786.783	300830.37
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3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.81925	3625.7728
76121.4699	76559.8479	78150.5537	111649.561	100141.236	95330.3011	192654.466	104925.072	121669.569	132400.986	80237.1396
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.81925	3625.7728
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3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3557.46608	4524.97975	2795.48769	4047.05288	4673.81925	3625.7728
253580.813	254702.204	288066.311	366678.167	314276.29	287986.61	375114.385	231941.614	335783.978	387786.783	300830.37
177459.343	178142.357	209915.757	255028.607	214135.054	193693.828	204283.103	127016.542	214114.409	255385.797	220593.23

177459.343	178142.357	209915.757	255028.607	214135.054	193693.828	204283.103	127016.542	214114.409	255385.797	220593.23
101769.971	97745.1837	77937.3773	85316.3288	91097.3774	103853.494	113548.465	94610.3777	88510.1871	83977.0193	80505.6817
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.81925	3625.7728
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37
3132.561	3146.41389	3558.57086	4529.68706	3882.35071	3570.08811	4790.57579	2795.48769	4047.05288	4673.81925	3625.7728
76121.4699	76559.8479	78150.5537	111649.561	100141.236	95330.3011	192654.466	104925.072	121669.569	132400.986	80237.1396
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253580.813	254702.204	288066.311	366678.167	314276.29	289024.129	396937.569	231941.614	335783.978	387786.783	300830.37

904805.679	886906.651	982780.007	1139443.89	1076007.67	1073029.98	1294861.28	1045201.67	1206985.49	1396539.47	1177701.61
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433229.598	432015.662	529311.481	557828.362	490698.344	460940.588	231461.147	220460.348	460225.3	583864.451	627429.415
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0.13	0.31	0.74	0.39	0.49	1.25	0.42	0.42	0.14	0.31	9.11
408985.612	394833.203	311749.509	334585.559	364609.957	417422.793	457184.201	383479.726	354465.219	335908.077	322249.239
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22606.7114	27489.9485	21930.6862	24532.6148	28407.1631	24381.9491
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
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471576.081	454890.989	453468.526	581615.53	585309.323	614836.087	1125821.08	824741.327	746760.185	812675.017	550272.19

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904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
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2786164.32	2592455.11	1796497.16	2142711.91	2419392.32	2890251.58	4766058.6	3642031.94	2746672.91	2436662.37	1852660.35
3274722.67	3131952	2547620.11	2892898.38	3020923.61	3402255.35	4097978.36	3311398.32	3102464.36	3026404.06	2706857.4
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3750343.68	3750343.68	3673806.05	3903418.93	3673806.05	3597433.04	3970580.37	3503453.27	3659162.3	3892725.86	3814871.34
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465556.261	458096.684	413403.736	477516.446	463020.454	464078.412	715925.041	596933.293	519361.717	530115.005	297417.527
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353.473387	352.776234	347.239208	353.194389	352.084374	348.090936	354.069681	352.804755	354.22565	352.026897	298.902632
143903.2	143903.2	140966.4	149776.8	140966.4	138029.6	149776.8	132156	138029.6	146840	143903.2
367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.078933	367.099999	367.099999
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1356505.13	1266569.61	1040837.54	1229716.26	1266709.12	1333907.32	3172648.54	2475539.2	1728105.82	1693160.66	747321.656
103004.575	99029.3397	77937.3773	85316.3288	91170.8598	104523.1	114545.246	96289.7829	88651.6772	83977.0193	80581.1856
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1887.02	1744.4	1461.31	1470.23	1326.13	1282.94	1867.22	1758.19	1637.48	1656.25	1109.89
25883.6549	28162.3784	110759.89	138640.572	67364.5854	14724.5778	151640.999	176990.594	167863.414	324677.04	44003.3597
21.629284	21.268278	19.220485	20.865687	21.804978	22.626024	31.947427	29.515231	24.756821	23.571187	19.506519
979689.873	893399.96	424936.285	473516.158	634160.933	950516.985	696753.934	560170.684	468736.623	317744.257	602869.2

375.1	367.42	321.83	322.67	321.74	353.14	294.81	254.66	265.85	259.75	357.3
227.806849	216.867139	177.823275	150.208374	178.182777	219.696223	196.222979	190.845631	162.731453	138.845938	165.313171
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43,073.46	40,351.22	23,517.61	22,925.25	28,812.82	40,027.15	24,487.22	22,644.10	20,873.69	15,808.83	30,453.48
30881.3974	31728.241	130622.837	152503.87	76617.8622	16454.6964	189683.166	228474.658	207410.446	398046.955	50313.0511
3.880204	3.475127	5.433054	5.663257	4.258896	1.937354	6.144309	7.731443	7.188457	9.433044	3.746975
469.15	628.46	2,961.79	4,043.55	1,947.22	423.69	3,416.37	3,995.68	4,474.30	8,747.58	1,112.88
38.76327	31.813053	25.645441	24.898944	27.322923	29.501769	42.965199	42.160691	34.293464	30.688886	25.801968
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-108.68446	-101.33357	-53.530782	-46.278672	-69.780767	-105.18095	-48.506615	-51.801163	-43.731691	-17.653125	-74.848465
-7307340.9	-7168217.1	-6468415.2	-7086822.6	-6976960.3	-7295259.4	-8457010.3	-7107854.7	-7042016.3	-7174927.3	-6719046.9
-70.99002	-72.419618	-83.020335	-83.084434	-76.542469	-69.82328	-73.830405	-73.82477	-79.446349	-85.474557	-83.386196
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59931.1186	58678.1181	54419.7706	62391.0802	62358.0419	64495.9485	90058.0278	73645.6852	67777.9882	68168.1894	50127.7079
2295032.8	2238552.04	2122683.83	2419382.23	2386762.67	2451738.37	3401224.43	2751227.64	2633727.74	2708659.8	2103988.2
7069684.31	6932075.11	6255635.1	6837307.56	6735165.12	7052762.72	8097060.15	6809266.38	6773818.59	6902465.24	6565559.82
8018492.78	7793746.83	6549948.55	7158319.85	7292708.2	7986825	8604130.92	7140962.41	7035144.77	6822162.54	7118115.97
	0.000231	0.011126		0.000236	0.011363				0.000454	0.11294
799121.752	764024.54	591817.953	650406.23	703214.004	789263.281	897427.309	754450.996	686316.019	649042.233	530276.873
3.72	3.82	4.6	3.84	3.54	4.28	5.2	4.05	3.76	4.23	2.89
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
9135422.08	8889677.65	7962721.29	8898154.38	8828978.77	9244002.81	12755480	10408135.3	9516882.36	9680762.93	8016640.72
5385078.4	5139333.97	4288915.23	4994735.45	5155172.72	5646569.77	8784899.58	6904682	5857720.05	5788037.08	4201769.38
1356669.94	1323341.8	1199324.3	1363467.75	1324489.14	1339091.83	2153017.32	1797127.87	1528846.86	1567526.15	929010.416
60400.2668	59306.5786	57381.5568	66434.6303	64305.2645	64975.0614	94754.5465	77641.3642	72252.2928	76915.7691	51240.5871
40458.2184	44082.2448	46244.8479	44494.8316	39876.1909	44620.9908	44458.9702	36354.6529	41361.9167	45772.042	47663.428
5385078.4	5139333.97	4288915.23	4994735.45	5155172.72	5646569.77	8784899.58	6904682	5857720.05	5788037.08	4201769.38
59323.6828	56406.2282	51288.7967	55102.0261	53612.2	54332.0012	104132.29	85377.4961	65655.1262	69075.0328	41246.532
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61
18496.2888	18079.0846	20339.7008	23417.8723	22437.4745	22606.7114	27489.9485	21930.6862	24532.6148	28407.1631	24381.9491
471576.081	454890.989	453468.526	581615.53	585309.323	614836.087	1125821.08	824741.327	746760.185	812675.017	550272.19
-433229.6	-432015.66	-529311.48	-557828.36	-490698.34	-460940.59	-231461.15	-220460.35	-460225.3	-583864.45	-627429.42
904805.679	886906.651	982780.007	1139443.89	1076007.67	1075776.68	1357282.22	1045201.67	1206985.49	1396539.47	1177701.61

2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
-3581307.8	-4126289.4	-3659162.3	-3892725.9	-3814871.3	-3737016.8	-4126511.3	-3901857.6	-3503708.8	-3901857.6	-3822227.8
-3581307.8	-4126289.4	-3659162.3	-3892725.9	-3814871.3	-3737016.8	-4126511.3	-3901857.6	-3503708.8	-3901857.6	-3822227.8
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82

23.90612	26.466076	25.926138	22.826264	25.306161	26.626157	27.786077	41.826916	38.136937	30.9969	29.26686
24.248754	24.248638	24.248676	24.248735	24.248696	24.248735	24.248832	24.733767	24.733748	24.733729	24.733748
23.781759	26.341733	25.801769	22.701844	25.181783	26.501781	27.661733	41.702231	38.012243	30.872221	29.142198
23.877421	26.437382	25.897438	22.797551	25.277458	26.597455	27.757382	41.798142	38.108161	30.968128	29.238092
23.159951	25.720014	25.179925	22.079745	24.559892	25.879898	27.040013	41.078808	37.388777	30.248831	28.518887
23.437373	25.997396	25.457363	22.357297	24.837351	26.157353	27.317396	41.35695	37.666939	30.526959	28.79698
23.858289	26.418252	25.878304	22.77841	25.258323	26.57832	27.738252	41.77896	38.088978	30.948946	29.218913
23.896554	26.456511	25.916572	22.816693	25.296593	26.61659	27.776512	41.817325	38.127345	30.987309	29.257271

22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.342976	22.789836	22.789836	22.789836	22.789836
1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.3	1.3	1.3	1.3
23.6	26.16	25.62	22.52	25	26.32	27.48	41.52	37.83	30.69	28.96
4.814843	4.857435	4.844384	4.830608	4.905512	5.68736	6.358574	6.301657	6.340889	5.678402	5.156259
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
0.02413	0.030023	0.027526	0.0343	0.025433	0.032864	0.029433	0.029311	0.025965	0.027423	0.025937
8080.2	9253.575	8227.125	8691.3	8595.675	8356.05	9259.2	8561.475	7714.35	8578.125	8415.9
21.957065	21.824469	21.880651	21.72825	21.927742	21.704025	21.837735	21.840497	21.915767	21.938938	21.916406
8280	9540	8460	9000	8820	8640	9540	8820	7920	8820	8640
22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.557544	22.5

3.66	3.7	3.76	16.83	0.46			7	8.34	3.66

4.23855	6.40492	4.52112	3.57922	1.22447	1.50704	0.56514	7.723579	7.817769	5.93397	6.31073
0.019396	0.035213	0.020127	0.018289	0.0035	0.001599	0.000169	0.081083	0.079594	0.023833	0.031476
0.018831	0.034127	0.019441	0.017725	0.00329	0.001562	0.000165	0.079005	0.077187	0.023214	0.030572
8066.17486	41634.9556	17329.2208	11209.5844	3593.05275	746.749527	227.471477	50659.1538	34137.5084	7205.90838	4280.41427
30.907264	133.732205	58.764831	45.776616	16.196565	2.965932	0.726387	169.286979	119.078977	27.361542	18.859811
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92

0.039646	0.02665	0.031569	0.0325	0.035586	0.035026	0.025471	0.023494	0.030539	0.032321	0.034114
3785.87286	7904.98994	3993.46762	3873.28118	704.72958	327.7812	38.24114	16918.9729	14843.0253	4971.3482	6413.58548
19198.8562	40168.2443	20245.641	18760.3369	3452.15826	1857.30843	235.520563	81493.5057	73091.6576	25708.1586	33630.6778
2.255547	3.36703	2.37535	1.854288	0.619696	0.91657	0.381698	4.056106	4.195514	3.205454	3.443109
1341.89628	6883.05802	2868.01218	1942.59982	614.516934	118.691876	31.175218	8694.97858	5701.63877	1187.14074	693.75963
20497.78	23936.6	21119.54	22446	21926.9	21491.9	23965.6	22201.82	19792.5	22001.14	21512.2
55.700489	56.454245	56.168989	56.115	55.935969	55.823116	56.522641	56.637295	56.228693	56.2689	56.021354
21344	24592	21808	23200	22736	22272	24592	22736	20416	22736	22272
58	58	58	58	58	57.84935	58	58	58	58.148337	58
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
25.320543	38.00297	26.710191	21.000879	7.013154	10.053977	4.208275	45.893116	47.284666	36.197654	38.859286
25.320543	38.00297	26.710191	21.000879	7.013154	10.053977	4.208275	45.893116	47.284666	36.197654	38.859286
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
27663.5737	58823.6209	28460.7516	27907.1273	4520.37905	2304.89576	286.18477	113098.888	105410.133	35201.5275	45809.5433
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.28733
27663.5737	58823.6209	28460.7516	27907.1273	4520.37905	2304.89576	286.18477	113098.888	105410.133	35201.5275	45809.5433
155.8	264.23	182.73	102.31	132.24	111.26	114.89	263.02	235.4	205.13	181.71
14739.1486	6139.53255	6741.87753	11276.8661	537.472116	1419.5829	48.756886	47483.5674	53535.3192	23388.5765	35661.8417
17730.7839	7439.90106	7805.98126	13849.2576	586.506177	1502.15548	53.406275	54599.3026	64018.0919	26945.0645	40947.2144
19.623359	10.988826	11.05938	16.715982	1.658652	6.811203	0.550469	30.174008	35.667576	30.21405	36.842385
259.473041	108.496859	119.487783	204.977318	9.57773	22.198675	0.750177	873.128183	970.526231	401.763186	607.264661
57.481339	59.369028	58.035049	56.957579	55.807525	63.361223	70.049838	58.251354	58.367804	58.917394	59.539522
21.79345	40.307995	26.667132	17.057317	7.250114	6.969734	4.20299	47.097166	47.839694	34.090351	20.205962
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
1.092228	1.979386	1.127606	1.02805	0.190867	0.090389	0.009575	4.582295	4.476875	1.349872	1.773229
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.28733
4858.25027	11049.1328	4389.65325	5420.67688	389.854189	138.563328	9.956406	14956.1671	17737.3051	4607.04267	5867.28733
142.466958	730.76314	304.492216	206.242681	65.242269	12.601324	3.309822	923.131816	605.333768	126.036813	73.655338
8066.17486	41634.9556	17329.2208	11209.5844	3593.05275	746.749527	227.471477	50659.1538	34137.5084	7205.90838	4280.41427
4.11	3.36	3.13	2.98	0.37	0.44	0.03	17.27	14.45	6.13	9.22
-4858.2503	-11049.133	-4389.6533	-5420.6769	-389.85419	-138.56333	-9.956406	-14956.167	-17737.305	-4607.0427	-5867.2873
-22589.034	-18489.034	-12195.635	-19269.934	-976.36037	-1640.7188	-63.362682	-69555.47	-81755.397	-31552.107	-46814.502
0.71	6.35	2.39	1.52	0.81	0.16	0.04	5.88	2.76	0.84	0.58
1740.89	4483.3884	2126.7794	1687.0946	283.6993	151.4007	22.1595	9100.3916	7548.5242	2327.2238	2620.5855
0.08	0.33	0.13	0.16	0.03		0.01	0.79	0.64	0.22	0.3

37.24	153.615	60.515	74.48	13.965		4.655	375.0999	303.8784	104.4582	142.443
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
19198.8562	40168.2443	20245.641	18760.3369	3452.15826	1857.30843	235.520563	81493.5057	73091.6576	25708.1586	33630.6778
401.94	839.26	423.98	411.22	74.82	34.8	4.06	1796.26	1575.86	527.8	680.92
37.24	153.615	60.515	74.48	13.965		4.655	375.0999	303.8784	104.4582	142.443
22805.3234	47774.4881	24071.0984	22486.4505	4130.52486	2166.33243	276.228363	98142.7212	87672.8276	30594.4848	39942.256
3569.2272	7452.6288	3764.9424	3651.6336	664.4016	309.024	36.0528	16274.1156	14277.2916	4781.868	6169.1352
				0.01			0.35	0.63	0.36	
11.266559	11.158232	11.207978	11.200677		11.176005	11.114305	10.753223	10.830877	11.007263	11.046993
0.483528	0.523964	0.505264	0.521037		0.512807	0.556084	0.804819	0.737091	0.611202	0.583959
0.466304	0.505836	0.487658	0.389402		0.404372	0.539663	0.782158	0.70859	0.58972	0.559254
667941.138	860802.447	731069.157	553348.345		584173.29	909369.892	1159269.11	933289.413	806750.979	622867.816
3080.84198	3151.7165	2841.87314	2617.33484		2392.99377	3170.14126	4049.49887	3401.77247	3331.84571	2906.73812
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
0.037173	0.035165	0.035265	0.039975	0.028647	0.035937	0.029952	0.029285	0.03946	0.035561	0.040234
214148.395	265258.518	227671.913	192747.459		192044.611	281276.735	364275.201	298286.065	281278.615	262444.443
268411.761	332410.891	285165.321	240260.889		241215.034	352545.979	472997.169	386864.334	366138.909	341406.378
3.0994	3.0994	3.0994	3.0994		3.0994	3.099399	3.167299	3.1673	3.1673	3.1673
396046.042	490569.104	421056.435	356467.151		355167.304	520193.193	680211.083	556989.569	525231.557	490062.508
39329.52	45408.99	40264.14	33167.91		33575.28	45654.3	42237.72	37530.21	41964.66	40803.6
106.873695	107.096674	107.085478	82.919775		87.208519	107.675235	107.749285	106.619914	107.326496	106.259375
40848	47064	41736	44400	43512	42624	47064	43512	39072	43512	42624
111	111	111	111	111	110.711688	111	111	111	111.283887	111
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
37.04423	36.690419	36.83205	36.86913		37.191057	36.483757	36.01222	36.347503	36.974369	37.147749
36.625662	36.289324	36.445101	36.429738		36.340584	36.153891	35.800002	36.046808	36.603577	36.728736
704298.173	872663.459	748473.645	633113.291		639765.553	923709.15	1218833.99	999442.367	944715.062	882283.473
530601.414	745577.941	605475.435	483716.472		523967.437	792527.244	1568336.86	1195115.88	923571.363	816700.536
-173696.76	-127085.52	-142998.21	-149396.82		-115798.12	-131181.91	349502.875	195673.518	-21143.698	-65582.937
530601.414	745577.941	605475.435	483716.472		523967.437	792527.244	1568336.86	1195115.88	923571.363	816700.536
354.32	409.09	362.74	298.74		302.48	411.3	380.52	338.11	378.06	367.6
29088.095	2887.01244	9956.06759	72944.7056		41682.5628	6801.09753	53157.0775	58738.2141	129267.782	250078.577
34245.9373	3109.0977	10865.8493	84640.2742		47389.6861	7317.87558	71875.2444	80218.8233	158173.871	306109.646

22.431302	11.299159	16.452847	31.095618		24.791571	10.711968	17.677192	21.074747	30.913111	51.3074
834.504406	82.470917	286.498637	2120.10933		1198.04637	195.734223	1514.82506	1672.62178	3662.02195	7078.57465
22.695323	24.801522	24.927762	21.963734		26.097837	27.619451	37.758891	33.553234	28.257055	26.475539
22.657671	24.795582	24.912592	21.76665		26.045674	27.608201	37.743838	33.533425	28.160374	26.110931
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
51.759836	56.147886	54.130069	43.2237		44.768763	59.90265	86.819632	78.653545	65.626445	62.077208
-285632.13	-265736.15	-262002.32	-250145.92		-216179.83	-278205.25	159096.227	39759.3915	-168168.03	-202762.65
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18213.1156	23724.2331	20066.4074	15169.3707		16037.9276	25202.9898	32518.4709	26013.4262	21997.918	16759.0733
667941.138	860802.447	731069.157	553348.345		584173.29	909369.892	1159269.11	933289.413	806750.979	622867.816
5.58	0.75	1.58	7.59		8.84	1.45	38.1	29.1	29.06	29.66
173696.76	127085.518	142998.21	149396.819		115798.116	131181.906	-349502.87	-195673.52	21143.6983	65582.9373
139450.822	123976.42	132132.361	64756.5446		68408.4303	123864.03	-421378.12	-275892.34	-137030.17	-240526.71
309.96	378.02	330.79	238.98		246.59	387.09	269.76	237.67	260.57	228.99
			0.2225	1	0.184895					0.002604
74593.1858	107387.368	89917.0815	61242.2302		70071.596	114730.972	106146.09	89918.5153	88391.395	75976.428
0.81	1	0.83	0.76		1.55	0.84	0.7	0.81	0.95	1.02
7268.94	8974	7448.42	6820.24		13909.7	7538.16	6407.8	7414.74	8696.3	9337.08
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.18
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.18
664457.803	822979.995	706221.756	596728.04		596382.338	872739.171	1153208.25	943853.903	891370.466	831468.885
19047.62	23806.704	20352.906	17289.48		17235.974	25398.724	34033.296	27686.048	25659.94	23837.648
7268.94	8974	7448.42	6820.24		13909.7	7538.16	6407.8	7414.74	8696.3	9337.08
816233.539	1011314.09	867477.754	733862.388		740147.271	1070732.5	1409240.63	1155356.49	1091739.39	1019463.18
32571.4302	40709.4638	34803.4693	29565.0108		29473.5155	43431.818	59217.935	48173.7235	44648.2956	41477.5075
20.58	4.52	12.19	37.7		31.46	11.99	33.12	34.09	68.81	86.42

0.029076	0.036485	0.024308	0.0316	0.023596	0.030885	0.035259	0.026581	0.02284	0.029464	0.028932

1071.9	1225.59	1100.58	1162.08	1148.25	1116.42	1227.15	1144.74	1031.88	1141.35	1118.67
2.912771	2.890542	2.927074	2.9052	2.929209	2.899792	2.894221	2.920255	2.931477	2.919053	2.913203
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

11.697491	11.625197	11.608505	11.80881	11.559855	11.552535	11.449105	11.200837	11.29227	11.431105	11.497172
0.599181	0.636426	0.651112	0.601795	0.671303	0.678482	0.725828	0.867935	0.828579	0.740363	0.704449
0.288494	0.608645	0.621798	0.462306	0.644449	0.643224	0.593408	0.835513	0.794445	0.707553	0.667944
130147.526	315836.386	285187.371	226652.984	307022.574	299874.157	301658.893	394058.047	337830.842	339396.635	315666.992
562.43797	1158.38604	1113.83024	1130.59085	1464.22946	1248.52662	1046.69095	1381.99073	1236.33618	1411.79743	1486.53391
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
0.048315	0.044858	0.044095	0.044125	0.040637	0.049973	0.042452	0.037959	0.043551	0.04602	0.05289
53098.7262	128725.774	116246.929	92671.1745	125041.456	122004.808	122930.362	157059.706	134782.009	135435.258	126024.31
66443.3082	161367.043	145656.79	115489.853	156881.542	153355.026	153897.783	204215.864	174985.3	175938.662	163644.788
2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.3543	2.4074	2.4074	2.4074	2.4074
58636.9233	142151.873	128371.484	102336.778	138083.279	134729.909	135751.998	173927.919	149257.597	149981.005	139559.321
7613.15	17414.14	15415.5	13206.16	16171.01	15647.7	14889.61	16216.16	14476.81	16080.28	15638.67
20.687907	41.071084	40.99867	33.0154	41.252576	40.643376	35.117004	41.367755	41.127301	41.126035	40.725703
15824	18232	16168	17200	16856	16512	18232	16856	15136	16856	16512
43	43	43	43	43	42.888311	43	43	43	43.109974	43
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
30.164865	29.009102	28.967989	30.185384	28.857401	28.88537	28.969385	28.468367	28.758765	29.21905	29.356843
28.640953	28.473852	28.435499	28.919405	28.315646	28.294828	28.065854	28.096131	28.319861	28.651901	28.812388
136628.232	321340.547	290070.095	235619.441	312437.959	305555.872	310625.35	398947.877	342177.358	345237.264	321190.688
129366.936	333265.755	290545.094	209955.313	303998.338	308219.075	325005.879	618042.307	494554.048	406399.103	360066.946
-7261.2958	11925.2076	474.998867	-25664.128	-8439.621	2663.20331	14380.5285	219094.43	152376.691	61161.8386	38876.2577
129366.936	333265.755	290545.094	209955.313	303998.338	308219.075	325005.879	618042.307	494554.048	406399.103	360066.946
177.05	404.98	358.5	307.12	376.07	363.9	346.27	377.12	336.67	373.96	363.69

23.238921	25.509403	23.926141	18.698984	24.649161	25.764354	27.656397	39.460652	39.053672	30.912159	24.305348
5.344951	8.418103	7.656365	11.59337	23.416703	13.912751	7.467227	9.865163	9.763418	10.510134	22.117867
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
12.405244	26.171745	26.73734	19.879175	27.711326	27.586805	25.516556	35.927091	34.161164	30.502608	28.721614
-35016	-55359.755	-60287.271	-74103.351	-73798.79	-61108.71	-49875.172	136999.322	81926.1346	-9630.1709	-26996.649
-35016	-55359.755	-60287.271	-74103.351	-73798.79	-61108.71	-49875.172	136999.322	81926.1346	-9630.1709	-26996.649

4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
130147.526	315836.386	285187.371	226652.984	307022.574	299874.157	301658.893	394058.047	337830.842	339396.635	315666.992
7261.29575	-11925.208	-474.99887	25664.1277	8439.62101	-2663.2033	-14380.528	-219094.43	-152376.69	-61161.839	-38876.258
7261.29575	-11925.208	-474.99887	25664.1277	8439.62101	-2663.2033	-14380.528	-219094.43	-152376.69	-61161.839	-38876.258
2.51	3.21	3.01	15.19	57.48	12.38	3.12	3.36	2.49	5.05	3.93
0.497282		0.002659	0.1975		0.002604	0.148584				
37854.2949	105366.607	88324.016	58307.2127	76296.1056	83770.3519	94353.0411	104213.929	89286.8894	86439.3251	74187.5639
1.46	1.24	1.1	2.02	1.22	1.28	2.02	1.08	0.96	1.29	1.22
6480.7064	5504.1616	4882.724	8966.4568	5415.3848	5681.7152	8966.4568	4889.8296	4346.5152	5840.6298	5523.6964
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.595
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.595
125080.232	303518.915	274028.274	217826.631	294964.821	288084.936	289649.781	378143.782	324242.898	325919.667	303204.109
4565.13	11096.82	10053.24	7951.67	10862.84	10620.92	10819.02	14083.42	12024.73	11926.52	11029.1
6480.7064	5504.1616	4882.724	8966.4568	5415.3848	5681.7152	8966.4568	4889.8296	4346.5152	5840.6298	5523.6964
164382.936	388625.51	350832.365	284058.664	377797.127	369327.785	374881.05	481042.985	412627.914	416029.274	387063.595
5067.2943	12317.4702	11159.0964	8826.3537	12057.7524	11789.2212	12009.1122	15914.2646	13587.9449	13476.9676	12462.883
0.04519	0.041509	0.027712	0.028275	0.035433	0.028958	0.030495	0.028035	0.030994	0.027933	0.018046
1054.11	1219.2	1096.74	1166.07	1134.33	1118.64	1233.21	1143.03	1023.27	1143.15	1131.21
2.864429	2.875471	2.916861	2.915175	2.893698	2.905558	2.908514	2.915892	2.907017	2.923657	2.945859
1104	1272	1128	1200	1176	1152	1272	1176	1056	1176	1152
3	3	3	3	3	2.992207	3	3	3	3.007672	3

3.518494	7.048158	3.93057	2.542424	0.28	7.716586	9.857609	4.103584	5.047509
0.005101	0.010317	0.004026	0.005711	0.000204	0.015738	0.022583	0.003682	0.004363
0.004875	0.009966	0.003872	0.00561	0.000204	0.015438	0.022073	0.003622	0.004208
1009.14771	7327.68288	1880.50072	1960.37792	87.109594	2780.18354	2998.02995	187.319212	175.056985
3.865854	23.142659	6.432266	7.533399	0.365587	9.287821	10.30921	0.721333	0.772782

89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
0.028817	0.028537	0.029946	0.033062	0.03	0.029895	0.031391	0.027997	0.028636	0.02977	0.032695
1270.5	2998.1	1027.6	1595.4	56			4258.6	5489.7	1003	1134.8
6375.91821	15315.122	5234.60377	7735.85797	308.781185			17863.0076	23659.3679	4683.11709	5929.45872
1.268275	2.49633	1.402251	0.873731	0.104555			2.408263	3.180052	1.290483	1.874694
196.724615	1420.03917	365.801584	407.683659	15.595694			671.928792	655.32389	41.524999	33.251125
17884.9	20603.1	18277.8	19256.1	19054.9	18623.3	20468.8	19065.5	17100.2	19016.8	18514.8
48.600271	48.592216	48.61117	48.14025	48.609438	48.372207	48.275471	48.636479	48.580113	48.636317	48.215625
18400	21200	18800	20000	19600	19200	21200	19600	17600	19600	19200
50	50	50	50	50	49.870129	50	50	50	50.127877	50
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
24.675891	55.365895	24.958322	20.527174	1.46378			40.834256	63.286429	24.501927	29.638875
17.88108	35.565174	19.704234	12.360592	1.46378			34.331339	45.283543	18.270297	26.639127
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
7307.5166	17955.324	5945.01313	9142.10259	339.283951			20151.8195	27653.2235	5315.95216	6488.40609
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.178375
7307.5166	17955.324	5945.01313	9142.10259	339.283951			20151.8195	27653.2235	5315.95216	6488.40609
223.21	367.55	262	164.25	138.43	104.13	101.88	251.64	301.64	241.91	206.22
5378.0715	8059.01515	3367.42405	5790.97205	221.67159			15287.215	20826.982	4504.84788	5802.17073
6101.49945	9289.84903	3757.60438	6804.99267	242.790723			17073.2808	24246.7652	5112.75506	6307.96675
5.027274	7.524516	4.93254	3.783601	0.676224			10.286975	14.247011	5.810494	7.074404
75.703282	110.300095	46.841561	83.232047	2.886021			254.772588	341.776864	68.076785	78.424919
73.717738	74.314659	74.134567	72.100425	78.19686			63.879639	70.314082	68.057393	73.936733
8.108951	31.791484	14.826913	9.373055	0.781968			20.955848	26.694007	6.125165	4.436204
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
0.24375	0.498349	0.193617	0.2805	0.010204			0.771938	1.103693	0.181585	0.210416
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.178375
920.297392	2568.62594	697.088359	1390.75262	30.502766			2084.42098	3828.21155	623.78507	511.178375
13.996717	100.999904	25.958438	28.967952	1.113978			47.827411	46.723135	2.923214	2.37508
1009.14771	7327.68288	1880.50072	1960.37792	87.109594			2780.18354	2998.02995	187.319212	175.056985
1.18	2.42	0.87	1.38	0.02			4.54	5.37	0.99	1.38
-920.29739	-2568.6259	-697.08836	-1390.7526	-30.502766			-2084.421	-3828.2116	-623.78507	-511.17838
-7021.7968	-11858.475	-4454.6927	-8195.7453	-273.29349			-19157.702	-28074.977	-5736.5401	-6819.1451
0.06	0.74	0.19	0.15				0.39	0.33	0.04	0.01
658.0709	1941.274	596.1612	825.6866	22.9792			2382.1947	3066.5915	510.1051	473.5566

0.01	0.08	0.01	0.01				0.33	0.25	0.01	0.08
5.078	54.685	9.765	5.078				194.845	143.843	5.18	46.221
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
6375.91821	15315.122	5234.60377	7735.85797	308.781185			17863.0076	23659.3679	4683.11709	5929.45872
89.7	211.3	72.8	112.2	4			302.6	388.5	71	80.8
5.078	54.685	9.765	5.078				194.845	143.843	5.18	46.221
6387.21921	15386.698	5247.92477	7751.34997	308.781185			18067.3986	23825.0119	4692.16709	5977.22772
6.223	16.891	3.556	10.414				9.546	21.801	3.87	1.548
								0.14		

0.027336	0.039952	0.031489	0.02085	0.023341	0.030677	0.026603	0.029107	0.034488	0.033418	0.02302

1431.76	1628.24	1456.64	1566.64	1531.4	1488.88	1650.88	1522.36	1359.44	1515.6	1500.64
3.890652	3.840188	3.874042	3.9166	3.906632	3.86722	3.893584	3.883571	3.862045	3.876214	3.907916
1472	1696	1504	1600	1568	1536	1696	1568	1408	1568	1536
4	4	4	4	4	3.98961	4	4	4	4.01023	4

10.694533	10.555837	10.587936	10.692361	10.549883	10.566198	10.497618	10.172333	10.243789	10.389546	10.426569
0.349691	0.390636	0.381088	0.379072	0.403492	0.412108	0.454152	0.720032	0.661545	0.522676	0.495515
0.333209	0.369241	0.355953	0.358208	0.380493	0.390477	0.42948	0.683121	0.62532	0.495068	0.467507
241638.52	305681.928	261383.377	278751.457	290017.444	291976.26	351476.102	512300.771	423134.567	378753.596	350059.26
1095.06891	1098.10899	1002.9873	1345.96838	1376.51633	1208.24986	1221.02896	1794.93935	1546.94132	1564.78609	1639.56644
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
0.051929	0.056509	0.068164	0.055725	0.059668	0.055729	0.056721	0.054515	0.054801	0.054566	0.05526
76272.1428	96455.2571	82514.6696	88608.843	91508.5575	92014.3605	110840.623	158379.083	130848.119	117020.311	108753.792
95774.278	121089.298	103477.398	110280.628	115156.237	115901.71	139281.333	205653.765	169837.632	152429.628	141574.906
3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.110499	3.1787	3.1787	3.1787	3.1787
141904.322	179455.006	153518.543	164856.752	170251.671	171192.718	206218.979	297546.783	245824.361	219846.058	204315.75
20444.954	23442.344	20531.682	22133.806	21600.546	21248.36	23437.07	21718.918	19496.806	21717.746	21205.582

55.55694	55.288547	54.605537	55.334514	55.103433	55.190545	55.276108	55.405403	55.388653	55.544107	55.222869
21564.8	24846.4	22033.6	23440	22971.2	22502.4	24846.4	22971.2	20627.2	22971.2	22502.4
58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.749872	58.599999
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
38.778052	37.461635	38.593137	37.774221	37.930215	37.558265	37.393596	34.947721	35.616501	36.665528	36.547367
33.820375	33.38872	33.490926	33.825028	33.365995	33.415299	33.211205	32.916361	33.144294	33.607733	33.724911
269691.389	338302.037	295820.326	306620.081	322318.565	321614.693	386713.874	538180.599	449637.969	407214.887	376638.591
222698.892	313907.23	253880.5	254748.915	270762.509	283047.318	350763.764	734401.985	570434.488	432260.751	385828.146
-46992.497	-24394.807	-41939.826	-51871.166	-51556.056	-38567.375	-35950.11	196221.386	120796.519	25045.8644	9189.55546
222698.892	313907.23	253880.5	254748.915	270762.509	283047.318	350763.764	734401.985	570434.488	432260.751	385828.146
348.89	400.04	350.37	377.71	368.61	362.6	399.95	370.63	332.71	370.61	361.72
64.010199		4.610829	1087.91686	285.087288	38.704405		1.204487	8.620308	118.03639	1933.02217
61.743575		4.251857	1263.70598	318.073625	39.70726		1.283681	10.137385	116.593603	2447.06818
1.25249		0.13	4.974491	2.007884	0.93674		0.035159	0.236442	2.628468	6.342938
1.805785		0.13	34.035133	9.006217	1.06674		0.035159	0.236442	3.260402	58.856213
23.789313	25.539878	26.983143	20.991297	25.128711	25.639539	28.393053	37.683877	37.883395	31.876605	28.906755
20.387801	22.475093	25.094323	20.983429	25.128228	25.639269	25.269817	33.915489	34.848955	28.348854	27.712514
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046
19.526059	21.637566	20.858888	20.99104	22.296933	22.822524	25.16758	40.030908	36.643778	29.085222	27.395953
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7183.78421	9174.328	7842.812	8362.38087	8731.39178	8785.60526	10671.054	15692.0808	12898.3736	11369.0616	10461.1898
241638.52	305681.928	261383.377	278751.457	290017.444	291976.26	351476.102	512300.771	423134.567	378753.596	350059.26
			0.09	0.1	0.02			0.01	0.02	0.26
46992.497	24394.8072	41939.8258	51871.1656	51556.0555	38567.3751	35950.1104	-196221.39	-120796.52	-25045.864	-9189.5555
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20.19	22.46	20.53	89.94	327.3	83.06	19.2	16.36	20.98	18.53	21.54
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68802.8315	97430.5594	79726.3222	71126.0139	69471.2703	78665.7846	102013.317	95784.7158	82473.5957	80440.8003	70667.6941
1.39	1.62	1.71	1.33	1.59	1.47	1.75	1.26	1.29	1.38	1.2
27988.8593	32620.1094	34432.3377	26780.7071	32016.0333	29599.7289	35237.7725	25878.6234	26494.7811	28343.2542	24646.308
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.198
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.198
237678.6	300544.304	256995.941	275137.38	285407.908	287094.428	345500.312	503200.548	415661.994	372275.686	345890.656
7185.59	9174.328	7842.942	8396.416	8740.398	8786.672	10671.054	15692.116	12898.61	11372.322	10520.046

27988.8593	32620.1094	34432.3377	26780.7071	32016.0333	29599.7289	35237.7725	25878.6234	26494.7811	28343.2542	24646.308
309558.838	388719.2	338950.744	352935.923	370150.088	369710.599	444650.268	620965.345	518032.281	468381.403	433484.198
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0.15		0.01	1.2	1.1	0.08		0.01	0.03	0.28	0.65
2.4	5.55	3.3	2.1	0.15			4.5	6.75	3.15	2.7
0.003847	0.007871	0.002928	0.005017	0.000204			0.008728	0.015567	0.002755	0.001947
0.003804	0.007547	0.002606	0.0048	0.000204			0.00852	0.015028	0.002653	0.001927
130.948554	977.992909	238.484177	293.103941				177.740088	261.302328	72.998051	
0.54535	3.093455	0.804366	1.095081				0.589929	0.907325	0.282101	
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
0.026494	0.028466	0.037978	0.0429	0.028647	0.028645	0.02	0.020433	0.039232	0.035076	0.027786
294	672	205.8	403.2	16.8			701.4	1110.9	218.4	155.4
1477.39695	3427.75258	1048.18019	1951.90703	93.836232			2793.40608	4558.37906	1000.54191	813.024383
0.81091	1.853854	1.105116	0.67924	0.055854			1.237663	2.012791	0.946503	0.94033
25.681458	185.676951	46.54709	61.709498				45.446539	56.505202	17.832149	
5015.5	5767.02	5064.08	5359.76	5330.78	5222	5817.28	5375.86	4734.66	5295.5	5226.62
13.629076	13.601462	13.468297	13.3994	13.598928	13.563636	13.72	13.713928	13.450738	13.543478	13.610989
5152	5936	5264	5600	5488	5376	5936	5488	4928	5488	5376
14	14	14	14	14	13.963636	14	14	14	14.035805	14
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
12.163655	28.332018	16.57674	10.376112	0.837823			19.712969	30.781627	14.8538	14.354956
12.163655	28.332018	16.57674	10.376112	0.837823			19.712969	30.781627	14.8538	14.354956
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
1673.03534	3997.82349	1176.45385	2272.23436	97.782506			3175.03274	5337.36851	1126.83803	888.758761
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
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121.09	186.59	141.13	93.52	80.22	59.56	65.22	110.5	139.29	137.35	114.12
1346.44839	2481.25967	809.696015	1669.30309	93.836232			2752.16599	4412.57674	959.043855	823.524383
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2.178748	4.421561	2.832735	1.925982	0.14			3.915044	6.166974	2.777063	2.52
17.887902	32.421536	10.61686	22.766033	1.12			43.73023	70.292986	13.37119	10.36
80.83612	79.731999	79.53326	75.601089				62.894771	76.778575	59.470231	
4.041806	20.494481	7.157993	6.048087				4.16951	9.981214	1.784106	
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36

0.05326	0.10566	0.036489	0.0672	0.002857			0.119285	0.210397	0.037237	0.026979
195.638397	538.570906	128.273658	309.827333	3.946273			245.12666	663.489442	94.796127	65.234377
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130.948554	977.992909	238.484177	293.103941				177.740088	261.302328	72.998051	
0.83	1.44	0.61	0.98	0.08			2.53	3.36	0.69	0.6
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352.7428	986.7606	290.9607	462.008	18.8122			981.6117	1476.5769	266.1135	162.9086
	0.03		0.01				0.13	0.11	0.03	0.01
	31.5		10.5				136.5	115.5	31.5	10.5
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
1477.39695	3427.75258	1048.18019	1951.90703	93.836232			2793.40608	4558.37906	1000.54191	813.024383
19.6	44.8	13.72	26.88	1.12			46.76	74.06	14.56	10.36
	31.5		10.5				136.5	115.5	31.5	10.5
1477.39695	3459.25258	1048.18019	1962.40703	93.836232			2929.90608	4673.87906	1032.04191	823.524383
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0.231763	0.290222	0.280806	0.232823	0.13678	0.260192	0.30127	0.458325	0.422907	0.344482	0.327445
1048933.45	1532261.39	1297088.11	1072215.85	600720.18	1176770.46	1562732.36	2119245	1731651.66	1532367.44	1293049.54
4773.66733	5568.17986	5024.69214	5148.29917	2857.30795	4852.73618	5438.58755	7405.59367	6315.34548	6336.7942	6052.47106
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
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348869.637	502014.64	431660.379	379899.358	217327.543	406391.561	515085.96	701592.963	585359.819	539926.932	504926.33
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596587.287	812175.983	702946.462	623660.681	308334.951	661089.931	862164.17	1151685.78	952071.528	895058.62	833937.578
1564.30235	8488.77415	3280.36086	2411.99298	630.112628	118.691876	31.175218	9412.35391	6413.46786	1246.49789	727.010756
122423.774	149898.799	132553.827	128155.826	96493.791	127888.53	147603.1	139187.583	124260.126	138454.351	135067.892
332.673298	353.534903	352.536773	320.389565	246.15763	332.178	348.120518	355.070364	353.011721	354.103199	351.739302
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31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
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29.330458	38.465494	32.459409	25.837488	26.493488	26.883408	28.652378	44.273838	43.561106	35.413037	29.637357
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31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
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11.7	7.97	6.19	13.02	0.57	9.3	1.48	62.44	52.29	36.89	41.12
221976.366	125398.788	179248.022	219810.855	59571.3733	151563.725	152741.531	-782104.41	-491075.73	-70389.629	11073.424
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333.51	411.23	357.03	345.92	385.59	342.19	409.45	295.81	264.41	285.09	255.05
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184002.016	317595.958	260981.321	193650.246	146092.867	232659.133	311119.489	318608.933	273770.693	258374.963	224088.737
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41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.2484
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31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
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45238.1051	65634.0775	54123.1116	46755.4051	17616.7769	46492.2971	61452.7733	100517.289	83541.9548	69506.948	66212.7004
20.73	4.52	12.2	38.9	1.11	31.54	11.99	33.48	35.03	69.46	87.07
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
2566963.71	4281838.34	3459197.18	2469125.26	3042204.92	3269188.28	4600245.2	5442441.07	4298093.19	3493452.18	2739580.47
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928
2745.03028	4223.56409	3580.62111	2614.54427	4428.1371	3322.24006	4238.78429	2553.85218	2215.86409	2235.35686	1562.1727
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79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928
335.03	411.09	357.05	347.23	390.18	342.12	409.85	293.81	262.45	284.5	255.06
191.404042	236.199094	217.512154	191.010994	184.380427	188.726946	226.487294	202.51693	198.782649	170.722252	149.212849
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29022.9126	49914.2629	40412.451	29938.2132	40502.1905	34389.8387	49027.2094	23484.0903	22797.5431	23320.1765	16022.7026
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1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
2566963.71	4281838.34	3459197.18	2469125.26	3042204.92	3269188.28	4600245.2	5442441.07	4298093.19	3493452.18	2739580.47
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54

277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365075.575	369281.027	340447.634	375260.374	403158.733
1304.80573	947.893968	871.246202	1456.17905	1541.70511	1362.63065	1286.37784	1299.20714	1248.25729	1570.90618	1902.38147
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661
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6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661
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6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8321.35246	8097.99608	7457.77949	8220.38059	8831.51661
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365075.575	369281.027	340447.634	375260.374	403158.733
127681.655	102568.736	91287.7556	142653.66	137429.318	129102.076	135376.342	34199.0631	57144.9073	121519.204	146182.008
127681.655	102568.736	91287.7556	142653.66	137429.318	129102.076	135376.342	34199.0631	57144.9073	121519.204	146182.008
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661

277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
6328.38803	5747.00975	5012.34373	6732.98471	7349.20832	7421.94155	8341.41321	8571.83447	7457.77949	8220.38059	8831.51661
149944.728	149552.582	128603.764	152722.379	184980.451	196498.5	230597.164	356261.748	283302.726	253741.17	256976.725
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277626.383	252121.318	219891.519	295376.039	322409.769	325600.576	365973.505	390460.811	340447.634	375260.374	403158.733
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	352195.686	354652.32	326938.517	360449.829	386889.728
1261.13794	913.183094	839.502612	1405.56429	1488.28111	1314.48181	1241.0725	1247.75635	1198.70689	1508.96166	1825.43556
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168716.898	167955.995	144387.356	171704.242	207956.172	220797.814	259132.682	400328.785	318292.05	285135.913	288542.624
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268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	352195.686	354652.32	326938.517	360449.829	386889.728
99599.5287	74951.819	67498.1354	113386.406	103244.173	93288.9557	93931.0908	-25200.253	8646.46752	75313.9155	98347.1046
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2.06	0.28	0.58	2.16	4.73	0.97	1.08	0.27	0.27	0.56	0.76
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.16474
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
7124.70597	6450.02161	5626.27434	7570.11812	8263.4186	8340.06291	9374.21782	9632.3081	8378.74212	9237.56609	9915.16474
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268316.427	242907.814	211885.492	285090.648	311200.345	314086.769	353063.772	375128.532	326938.517	360449.829	386889.728
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
907.33503	828.310357	751.604303	793.532211	622.494068	605.991716	673.085824	651.25123	647.245574	834.325363	1017.97288

3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
88777.5111	111228.902	94398.1851	71206.6377	62608.7256	73825.9661	102586.252	151113.802	130552.544	119935.206	119990.011

3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
10.284479	10.162466	9.858665	7.839809	6.451652	7.323417	8.803888	9.23967	9.785666	9.950265	10.917877
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3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
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78337.3673	114563	94085.5144	79720.035	82648.3662	92326.54	121110.378	111950.378	96462.0218	92841.5523	81862.8704
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
193889.593	220744.213	189902.353	160653.381	129563.119	144443.791	191233.85	185552.542	176464.524	199313.069	214779.986
3784.68853	4308.88568	3706.85835	3135.92388	2529.04781	2819.51573	3732.84891	3621.95086	3444.55444	3890.55376	4192.46508
88777.5111	111228.902	94398.1851	71206.6377	62608.7256	73825.9661	102586.252	151113.802	130552.544	119935.206	119990.011
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299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	330308.899	372024.082	237350.807	358425.381	389111.386
1411.81167	1037.14158	1001.01744	1508.49391	1733.4968	1359.60812	1172.95305	1318.08546	875.798259	1509.69709	1845.41409
3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.62777
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217025.249	193403.919	176619.684	221903.315	252769.589	221578.394	222526.458	204608.283	132291.967	229303.776	257629.601

217025.249	193403.919	176619.684	221903.315	252769.589	221578.394	222526.458	204608.283	132291.967	229303.776	257629.601
79988.0636	112808.105	96089.0527	82500.7389	82648.3662	92262.3751	121110.378	111205.997	94638.6388	94178.6786	81862.8704
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
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3607.16288	3303.29722	3035.11215	3664.45244	4343.91296	3898.12694	3993.21946	4630.40226	2791.049	4214.78577	4575.62777
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299286.305	274074.57	251823.255	304039.619	360414.458	323427.592	331342.774	393248.012	237350.807	358425.381	389111.386
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1238814.01	1281509.97	1081201.48	1293448.65	1393939.83
4885.09036	3726.529	3463.37056	5163.76947	5385.97709	4642.7123	4373.48921	4516.30018	3970.00801	5423.89029	6591.204
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
489700.194	509408.131	442592.876	477769.562	563190.217	592971.478	701132.413	1096344.06	837206.16	787933.895	796991.144
20.014664	24.086931	24.340554	24.242879	25.581847	24.183075	23.375146	32.612487	36.025055	24.766204	28.558436
3.002199	0.722607	1.703838	5.333433	11.256012	2.901969	1.63626	1.304499	1.441002	1.733634	5.711687
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
56.643873	46.719844	46.224969	52.758697	57.361193	58.388693	60.004008	67.49106	62.7049	65.379248	71.653057
-549418.51	-480439.78	-430909.74	-567390.13	-560397.47	-514587.25	-540481.49	-248045.83	-243995.32	-505514.76	-596948.69
-549418.51	-480439.78	-430909.74	-567390.13	-560397.47	-514587.25	-540481.49	-248045.83	-243995.32	-505514.76	-596948.69
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25386.7948	25198.3264	22072.125	25563.2862	27514.7742
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1238814.01	1281509.97	1081201.48	1293448.65	1393939.83
549418.514	480439.785	430909.743	567390.125	560397.474	514587.25	540481.489	248045.833	243995.322	505514.759	596948.689
549418.514	480439.785	430909.743	567390.125	560397.474	514587.25	540481.489	248045.833	243995.322	505514.759	596948.689
2.06	0.28	0.58	2.16	4.73	0.97	1.08	0.27	0.27	0.56	0.76
318301.558	456497.104	382352.673	327749.651	330593.465	369241.995	484441.511	447057.129	384024.704	375634.453	327451.482
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
489700.194	509408.131	442592.876	477769.562	563190.217	592971.478	701132.413	1096344.06	837206.16	787933.895	796991.144

-549418.51	-480439.78	-430909.74	-567390.13	-560397.47	-514587.25	-540481.49	-248045.83	-243995.32	-505514.76	-596948.69
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
11.184965	11.136987	11.173352	11.207601	11.107631	11.134851	11.048681	10.701176	10.788747	10.95979	10.999618
0.255512	0.301324	0.292387	0.266791	0.203849	0.286745	0.317634	0.473622	0.439749	0.357862	0.341599
0.231763	0.290222	0.280806	0.232823	0.13678	0.260192	0.30127	0.458325	0.422907	0.344482	0.327445
1960907.31	3125955.83	2536411.65	1916971.02	2097044.43	2470241.42	3385542.69	4705014.25	3685256.99	2952392.11	2403178.54
2694108.57	3677991.82	3093376.26	2669529.78	2669468.36	3083276.05	4016248.88	4138181.8	3425689.35	3366876.16	3023391.3
12403.788	13518.2729	12068.6838	12926.6129	12671.4221	12817.6885	14050.8611	14475.746	12501.2176	13996.0414	14205.8478
-27833.538	-49580.574	-39948.876	-27473.093	-40479.601	-33168.527	-48775.82	-19539.43	-19742.089	-19171.683	-8189.2222
3581307.79	4126289.41	3659162.3	3892725.86	3814871.34	3737016.82	4126511.31	3901857.57	3503708.83	3901857.57	3822227.82
0.035175	0.036063	0.035273	0.036034	0.032817	0.035317	0.032652	0.030429	0.034467	0.034666	0.033783
348869.637	502014.64	431660.379	379899.358	217327.543	406391.561	515085.96	701592.963	585359.819	539926.932	504926.33
457681.518	673778.351	560827.934	494479.471	275892.555	512329.078	645960.614	985016.717	832996.671	725899.016	686999.233
3.013204	2.951133	2.921194	2.943056	2.67634	2.879039	2.923529	3.040024	3.045747	2.996195	3.007117
596587.287	812175.983	702946.462	623660.681	308334.951	661089.931	862164.17	1151685.78	952071.528	895058.62	833937.578
1564.30235	8488.77415	3280.36086	2411.99298	630.112628	118.691876	31.175218	9412.35391	6413.46786	1246.49789	727.010756
122423.774	149898.799	132553.827	128155.826	96493.791	127888.53	147603.1	139187.583	124260.126	138454.351	135067.892
332.673298	353.534903	352.536773	320.389565	246.15763	332.178	348.120518	355.070364	353.011721	354.103199	351.739302
135092.8	155650.4	138029.6	146840	143903.2	140966.4	155650.4	143903.2	129219.2	143903.2	140966.4
367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.038874	367.099999
31309.58	45173.212	38759.588	34187.866	19683.178	36678.366	46892.858	65954.452	54647.808	49572.142	46158.874
168.147239	224.862041	172.63843	156.732903	76.102376	113.68867	107.055013	205.868651	242.075492	178.41233	185.905078
35.129435	34.304782	34.023381	34.350543	30.605122	33.317749	33.615571	34.042368	34.374241	34.233911	34.502923
1141287.73	1598926.48	1364731.27	1207553.02	639289.666	1269102.45	1621324.6	2275102.49	1907429.41	1733485.91	1626855.76
919311.368	1473527.69	1185483.25	987742.164	579718.292	1117538.73	1468583.07	3057206.89	2398505.15	1803875.54	1615782.34
79988.0636	114563	96089.0527	82764.4385	82648.3662	92326.54	121110.378	111950.378	96462.0218	94307.1112	81862.8704
-221976.37	-125398.79	-179248.02	-219810.86	-59571.373	-151563.72	-152741.53	782104.406	491075.734	70389.6285	-11073.424
1409011.56	1982935.82	1628076.12	1465511.73	1142908.51	1710510.2	2169715.48	4153550.96	3235711.31	2591809.43	2412773.48
1384.02	2036.18	1661.23	1360.48	1096.03	1303.93	1439.51	1760.43	1692.16	1710.68	1595.06
50615.7737	19566.8198	20879.676	92769.7637	1138.06723	43140.8502	6849.85442	118681.23	137521.712	158238.287	294299.136
20.18117	21.891368	21.530295	19.46251	21.122062	22.067219	22.896479	32.333716	29.876988	25.061772	23.86492
606056.409	1155882.52	922785.53	552154.238	945160.488	798946.862	1214702.52	737426.823	612836.203	541060.074	336401.928

335.03	411.09	357.05	347.23	390.18	342.12	409.85	293.81	262.45	284.5	255.06
191.404042	236.199094	217.512154	191.010994	184.380427	188.726946	226.487294	202.51693	198.782649	170.722252	149.212849
7.156004	10.088431	9.384616	7.089502	10.374126	11.049308	13.218542	6.282623	6.881101	6.598224	5.090742
29,022.91	49,914.26	40,412.45	29,938.21	40,502.19	34,389.84	49,027.21	23,484.09	22,797.54	23,320.18	16,022.70
59663.6412	22715.8088	23339.785	108495.809	1245.15303	48931.5489	7371.28186	146527.785	173538.091	191403.058	356700.654
4.62837	3.479881	3.36167	5.189939	0.448276	3.615501	1.251382	6.031279	7.636646	6.512806	9.263461
1,189.37	333.69	463.57	2,465.12	22.59	1,221.31	196.48	2,686.49	3,055.45	4,148.49	7,833.48
29.084852	38.376129	32.342638	25.773532	26.364813	26.81986	28.571711	44.176399	43.501745	35.344074	29.613004
29.020422	38.275916	32.329479	25.697125	26.362943	26.800014	28.566219	44.078243	43.483313	35.276838	29.486124
-27833.538	-49580.574	-39948.876	-27473.093	-40479.601	-33168.527	-48775.82	-19539.43	-19742.089	-19171.683	-8189.2222
-75.634614	-116.93531	-106.24701	-68.682733	-103.26429	-86.152017	-115.03731	-49.845484	-56.085479	-49.032437	-21.326099
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-81.234441	-70.876075	-73.184495	-82.092854	-80.414676	-76.771608	-69.997042	-75.300892	-75.033795	-80.271193	-86.675704
-6493167.5	-8114436.6	-7028628.5	-6792402	-6645075.3	-7085658.8	-8474492.5	-8428099.7	-7236644.4	-7568357.7	-7093326.7
50965.151	64648.7369	55676.6017	52826.2253	42146.1757	57936.7013	72083.1684	88466.2872	73664.4787	70986.9347	65840.1678
2088052.16	2522109.31	2170590.73	2117375.54	1724307.87	2284329.18	2801546.37	3400754.98	2812853.15	2825816.09	2686989.37
6313609.97	7858083.81	6805731.71	6596897.86	6531884.61	6873409.21	8205277.02	8072813.24	6941885.41	7289374.8	6833428.47
6860002.74	8991250.51	7705177.46	7040556.29	7475799.95	7623424.53	9412608.25	8663712.28	7381183.52	7639031.82	6813129.74
0.045207		0.000241	0.038181	0.090909	0.017045	0.013507				0.000473
582291.638	888656.061	739423.046	604164.335	559334.698	694227.668	916671.378	877616.439	754257.419	728316.527	633403.089
3.75	4.3	3.78	4.29	2.84	4.3	4.62	4.29	4.06	3.88	3.83
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.2484
7902179.05	10097372.4	8656704.63	8257913.75	7787983.81	8796168.95	10644207.9	12581650.7	10472355.7	10160167.1	9506100.18
4320871.27	5971082.98	4997542.33	4365187.89	3973112.48	5059152.13	6517696.63	8679793.13	6968646.87	6258309.52	5683872.36
1054268.81	1485954.33	1263774.4	1118140.15	584227.506	1173419.01	1508124.78	2136702.5	1785068.2	1620957.64	1520936.81
52154.5254	64982.4263	56140.1766	55291.3452	42168.7657	59158.0131	72334.5574	92410.9477	76719.933	75135.4282	73673.6482
41780.8237	47338.071	46833.7617	42657.4619	37445.3831	49191.1441	51747.0443	37882.6979	38819.2577	43021.3222	39706.2484
4320871.27	5971082.98	4997542.33	4365187.89	3973112.48	5059152.13	6517696.63	8679793.13	6968646.87	6258309.52	5683872.36
45238.1051	65634.0775	54123.1116	46755.4051	17616.7769	46492.2971	61452.7733	100517.289	83541.9548	69506.948	66212.7004
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83
20844.9454	19809.2143	17380.5886	21103.4792	22485.5877	22479.6471	25441.6994	26456.4957	22072.125	25563.2862	27514.7742
489700.194	509408.131	442592.876	477769.562	563190.217	592971.478	701132.413	1096344.06	837206.16	787933.895	796991.144
-549418.51	-480439.78	-430909.74	-567390.13	-560397.47	-514587.25	-540481.49	-248045.83	-243995.32	-505514.76	-596948.69
1039118.71	989847.916	873502.62	1045159.69	1123587.69	1107558.73	1241613.9	1344389.9	1081201.48	1293448.65	1393939.83

2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
-3901857.6	-3822227.8	-4061117.1	-3742598.1	-4140746.8	-3742598.1	-3822227.8	-4220575.6	-3979894.7	-3573783	-4142339.4
-3901857.6	-3822227.8	-4061117.1	-3742598.1	-4140746.8	-3742598.1	-3822227.8	-4220575.6	-3979894.7	-3573783	-4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
23.146963	24.166881	26.756889	26.206849	23.066919	25.576884	26.916964	28.096965	42.527333	38.777299	31.517393
24.733786	24.733748	24.733634	24.733653	24.73371	24.733786	24.73371	24.733748	25.228553	25.228422	25.228516
23.022259	24.04221	26.632215	26.082191	22.942233	25.452212	26.79226	27.97226	42.402479	38.652458	31.392514
23.118185	24.13811	26.728118	26.178082	23.038145	25.548113	26.888186	28.068187	42.498521	38.748489	31.488574
22.39874	23.418858	26.008846	25.458904	22.318803	24.828853	26.168738	27.348736	41.778207	38.028257	30.768122
22.676925	23.696969	26.286965	25.736986	22.596949	25.106967	26.446925	27.626924	42.056728	38.306747	31.046697
23.099	24.11893	26.708937	26.158904	23.018963	25.528933	26.869001	28.049002	42.479313	38.729283	31.469362
23.13737	24.15729	26.747298	26.19726	23.057328	25.567294	26.907372	28.087373	42.517729	38.767695	31.507787

22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	22.789836	23.245633	23.245633	23.245633
1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.35	1.35	1.35
22.84	23.86	26.45	25.9	22.76	25.27	26.61	27.79	42.22	38.47	31.21
4.859924	4.866787	4.905947	4.895148	4.878618	4.957323	5.750006	6.441123	6.440726	6.450381	5.79773
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
0.036632	0.029921	0.022058	0.025	0.035264	0.035877	0.03151	0.029551	0.025102	0.034232	0.02571
8496.9	8381.475	8977.5	8248.5	9029.925	8156.475	8367.75	9258.075	8598.6	7648.875	8943.975
21.675765	21.826757	22.003676	21.9375	21.70655	21.692752	21.734415	21.835082	21.935204	21.729758	21.975368
8820	8640	9180	8460	9360	8460	8640	9540	8820	7920	9180
22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5	22.5	22.5	22.555282

7.72	7.42	6.14	9.28	2.48	6.52	7.34	1.66		

2.73151	4.99207	6.499109	4.23855	3.95598	1.31866	1.13028	0.28257	7.25263	7.441009	6.12235
0.01096	0.021178	0.034449	0.021729	0.019982	0.002119	0.001191	0.000073	0.093652	0.089406	0.023487
0.010714	0.02052	0.033333	0.021117	0.01935	0.002074	0.001145	0.00007	0.091122	0.086136	0.022916
7247.44248	9829.13763	39552.1403	19686.2798	10571.0672	354.661035	436.324329	139.780666	64416.2884	47481.8711	9086.02975
33.213527	34.539805	124.085877	65.418945	39.83925	1.468541	1.696012	0.42619	212.765045	162.968161	33.928183
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3

0.029438	0.028489	0.031495	0.026595	0.029663	0.027819	0.029817	0.026084	0.02477	0.029176	0.028823
2294.4684	4304.85976	7429.7072	4337.63788	4397.7311	426.11556	240.37288	16.38906	19513.9074	16563.8766	5107.9237
10744.8066	21322.4362	37705.4051	22005.1675	21272.8836	2070.06038	1392.57016	124.016266	95674.7391	83298.1604	28109.0117
1.377523	2.623066	3.428615	2.24227	2.037157	0.706508	0.663711	0.22701	3.81954	4.064589	3.525038
1293.03843	1632.62691	6527.62983	3259.43092	1805.54472	51.107403	66.884963	16.38906	10801.1352	7807.35564	1383.10064
22066.68	21637.48	22918.7	21228	23412.28	21201.32	21607.9	23950.52	22172.82	19820.34	22981.92
56.292551	56.347604	56.173284	56.457446	56.279519	56.386489	56.124415	56.487075	56.563316	56.307784	56.466633
22736	22272	23664	21808	24128	21808	22272	24592	22736	20416	23664
58	58	58	58	58	58	57.84935	58	58	58	58.142506
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
15.638982	29.817331	38.936457	25.28574	23.178093	8.030204	7.447852	2.410011	43.355308	45.825026	39.511288
15.638982	29.817331	38.936457	25.28574	23.178093	8.030204	7.447852	2.410011	43.355308	45.81946	39.511288
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
14451.1611	30316.5706	55313.1369	31456.6069	30752.1436	2717.02841	1752.4464	148.00266	132029.511	122315.813	37439.764
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
14451.1611	30316.5706	55313.1369	31456.6069	30752.1436	2717.02841	1752.4464	148.00266	132029.511	122315.813	37439.764
109.94	175.34	243.5	176.6	125.74	131.24	108.09	119.42	243.88	230.61	211.76
5723.3725	15705.3024	5456.48013	6552.92415	15017.3961	2139.51804	1196.95324		50784.1101	52312.3767	24154.9089
6366.2259	18875.3147	6683.45495	7822.92451	18166.5008	2344.75499	1273.49051		58057.7172	63006.131	27054.16
10.314458	20.349603	12.734519	9.759989	17.270994	6.619745	5.690175		26.104698	32.080841	31.797319
106.320201	283.70664	95.772095	114.471489	275.208236	39.814009	18.418931		925.020939	929.665676	395.458441
56.661637	57.491801	59.256803	58.471539	57.736633	60.470983	64.891105	85.011037	58.167314	60.705946	66.070908
14.727475	29.212844	40.812172	25.71106	20.756847	2.96185	4.462227	2.550331	44.732696	46.062954	38.890299
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
0.621428	1.190208	1.933333	1.224787	1.122355	0.120319	0.066285	0.004103	5.285102	4.995909	1.332432
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
1480.34613	4782.13057	10304.5165	5217.40292	5163.6802	222.849328	119.168836	8.221994	16829.1121	22516.7221	4198.82528
137.279798	173.333359	693.027904	346.04851	191.691763	5.42599	7.101068	1.74	1146.73906	828.894323	146.841558
7247.44248	9829.13763	39552.1403	19686.2798	10571.0672	354.661035	436.324329	139.780666	64416.2884	47481.8711	9086.02975
1.97	4.39	2.77	2.96	3.95	0.75	0.35		18.76	14.62	6.32
-1480.3461	-4782.1306	-10304.516	-5217.4029	-5163.6802	-222.84933	-119.16884	-8.221994	-16829.112	-22516.722	-4198.8253
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1.75	1.36	6.07	2.64	1.6		0.08	0.03	7.19	3.89	0.98
923.6996	2083.9706	4308.2021	2360.0672	1958.9663	170.6348	113.7002	9.8926	10635.2705	8608.7218	2425.5914
0.04	0.15	0.33	0.13	0.18	0.03	0.02		0.79	0.52	0.25

18.9924	71.2215	156.6873	61.7253	85.4658	14.2443	9.4962		382.597	251.836	121.075
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
10744.8066	21322.4362	37705.4051	22005.1675	21272.8836	2070.06038	1392.57016	124.016266	95674.7391	83298.1604	28109.0117
243.6	457.04	788.8	460.52	466.9	45.24	25.52	1.74	2071.76	1758.56	542.3
18.9924	71.2215	156.6873	61.7253	85.4658	14.2443	9.4962		382.597	251.836	121.075
12970.815	25534.4401	45008.6204	26239.204	25588.4634	2494.17908	1633.27756	139.780666	115200.399	99799.0908	33240.9387
2207.016	4140.7824	7146.528	4172.3112	4230.114	409.8744	231.2112	15.7644	19143.0624	16249.0944	5010.852
								0.96	0.88	0.62
11.27755	11.261693	11.169178	11.227784	11.234755	11.198334	11.183466	11.140012	10.790372	10.86353	11.015191
0.465133	0.485935	0.517185	0.499369	0.501621	0.515725	0.521461	0.540835	0.790783	0.724034	0.60738
0.238758	0.467341	0.498741	0.4839	0.484873	0.49919	0.505121	0.523063	0.765187	0.696011	0.586299
363967.483	700504.499	835397.568	745265.889	757279.702	656005.658	749140.703	905150.773	1169217.59	944437.234	877994.857
1735.03415	3146.59246	3011.55184	2847.73946	3559.17949	3055.64686	3049.0145	3103.15064	4015.39279	3389.50731	3557.06603
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
0.039617	0.038671	0.036617	0.031436	0.033798	0.033058	0.03177	0.033632	0.033316	0.037698	0.035098
116890.05	223896.898	251979.545	226287.684	250716.625	232612.688	240076.52	273416.492	356776.501	293427.446	291287.843
151587.292	290750.913	328557.201	295843.652	324753.005	304689.311	313697.644	355896.797	481515.586	395962.092	394452.464
3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.1673	3.226999	3.227	3.227
218268.791	418082.677	470521.404	422546.992	468163.154	434357.672	448294.887	510550.616	669669.492	550763.315	546747.281
22307.67	40975.65	43629.66	40423.98	44615.34	40356.27	41269.8	45481.14	42062.34	37599.03	43698.48
56.907321	106.707421	106.935441	107.510585	107.248413	107.330505	107.194285	107.266839	107.301887	106.815426	107.367272
43512	42624	45288	41736	46176	41736	42624	47064	43512	39072	45288
111	111	111	111	111	111	110.711688	111	111	111	111.272727
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
38.864038	37.839786	37.557963	37.691575	37.786806	37.593458	37.515404	37.385869	36.885749	37.119502	37.644221
37.464666	37.41188	37.109597	37.29226	37.330944	37.196114	37.153415	37.021253	36.589395	36.8262	37.310907
401480.619	751549.85	847900.117	761038.117	841302.509	782804.771	806686.877	917611.944	1218613.62	1002329.38	996413.946
277552.508	560308.91	711230.65	609408.746	617785.944	610393.456	656897.821	771160.758	1578207.23	1204469.96	975456.63
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277552.508	560308.91	711230.65	609408.746	617785.944	610393.456	656897.821	771160.758	1578207.23	1204469.96	975456.63
200.97	369.15	393.06	364.18	401.94	363.57	371.8	409.74	378.94	338.73	393.68
23965.2159	42989.8311	2982.38947	8265.94748	74594.1869	119292.832	50314.5141	4131.03136	40899.3537	50422.5452	110202.529
26872.0441	50293.4716	3213.93756	8893.10092	85889.72	133025.684	56965.6435	4345.94136	56614.0079	68775.4105	135298.22

26.445252	26.120127	10.384896	14.761355	30.128634	41.172212	24.14687	9.094848	14.418974	19.543052	28.914614
683.557951	1218.4186	81.914719	226.764488	2124.25317	3336.85207	1415.7314	117.597738	1141.05967	1406.78393	3049.04991
22.566075	23.005375	25.132358	25.137909	21.95501	24.828698	26.225588	27.961722	38.432189	34.15519	28.887347
22.508417	22.906132	25.127531	25.125282	21.799895	24.645917	26.171982	27.952455	38.42027	34.13799	28.810183
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
26.502193	51.874911	55.360254	53.713	53.820913	55.410106	55.922805	58.060061	84.935821	77.257272	65.239164
-185026.54	-308271.85	-268379.18	-269909.94	-354566.14	-293997.97	-275277.05	-289365.99	173106.54	48766.0546	-173213.47
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9705.30205	18701.5474	22505.0693	19969.3235	20265.2468	17497.3479	20114.5486	24499.8683	32153.7823	25787.7761	23503.2901
363967.483	700504.499	835397.568	745265.889	757279.702	656005.658	749140.703	905150.773	1169217.59	944437.234	877994.857
2.28	5.14	0.63	1.46	6.88	12.03	9.77	0.47	30.69	23.67	25.43
123928.111	191240.94	136669.467	151629.371	223516.565	172411.315	149789.056	146451.186	-359593.62	-202140.58	20957.3159
97056.0674	140947.468	133455.53	142736.27	137626.845	39385.6308	92823.413	142105.245	-416207.62	-270915.99	-114340.9
166.78	317.94	363.25	334.99	334.67	281.93	311.35	389.21	275.9	245.09	284.63
0.466836										
39522.7535	79705.9883	104692.608	92149.7271	82924.4768	75947.7101	88706.1659	116202.581	107309.398	91389.6591	93992.3493
1.48	0.88	1.04	0.82	1.03	0.82	0.79	0.91	0.91	0.8	0.88
13547.92	8055.52	9520.16	7506.28	9428.62	7506.28	7231.66	8330.14	8496.67	7469.6	8216.56
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
369856.083	708833.589	799078.605	718390.644	792916.159	739046.983	761992.53	866447.413	1151185.08	946725.408	941199.744
10388.86	19919.966	22586.984	20196.088	22389.5	20834.2	21530.28	24617.466	33294.842	27194.56	26552.34
13547.92	8055.52	9520.16	7506.28	9428.62	7506.28	7231.66	8330.14	8496.67	7469.6	8216.56
462579.048	868580.758	979609.825	879318.689	972352.089	904391.423	932174.875	1060526.74	1405100.7	1155703.9	1148670.1
18076.6164	34660.7408	39301.3522	35141.1931	38957.73	36251.508	37462.6872	42834.3908	58931.8703	48134.3712	46997.6418
16.84	27.28	4.07	9.33	40.48	58.75	39.8	8.89	27.58	29.82	63.73

0.022653	0.033776	0.031151	0.038005	0.031802	0.023563	0.032578	0.038514	0.030357	0.026051	0.02723

1149.36	1113.09	1185.87	1085.13	1208.31	1101.42	1114.47	1223.01	1140.3	1028.49	1190.67
2.93204	2.898671	2.906544	2.885984	2.904591	2.929308	2.894727	2.884457	2.908928	2.921846	2.925479
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

11.754752	11.788152	11.612687	11.63134	11.825648	11.578188	11.554812	11.442789	11.274586	11.335224	11.435937
0.59783	0.594941	0.636569	0.63427	0.587795	0.665847	0.6801	0.719512	0.844336	0.807608	0.735751
0.349426	0.570493	0.609583	0.601875	0.45464	0.638706	0.642925	0.586245	0.807529	0.769861	0.700254
171781.026	276269.181	311112.778	283591.019	237596.718	298482.521	305901.33	304511.841	389225.057	334353.347	356867.152
819.754633	1239.62655	1123.73269	1086.76895	1155.36685	1399.52716	1249.04726	1037.23027	1341.76466	1205.66964	1457.22598
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
0.045484	0.042083	0.043259	0.049707	0.047043	0.042659	0.053437	0.044433	0.044056	0.048437	0.048651
68697.6365	110391.322	124022.26	112876.723	95094.446	118953.013	121846.619	121535.435	152200.392	130926.154	139643.349
89049.6309	143377.242	161685.696	147595.159	123099.279	155084.897	158972.315	157845.586	205861.979	176685.305	188866.085
2.407399	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4074	2.4519	2.4519	2.4519
76075.7626	122247.351	137342.251	124999.683	105307.59	131728.566	134932.946	134588.341	167709.612	144267.53	153873.006
9835.82	15817.12	16785.05	15324.77	13814.61	15478.28	15588.79	14830.27	16113.39	14402.85	16690.45
25.091377	41.190416	41.139828	40.757367	33.208197	41.165638	40.490363	34.977051	41.105586	40.917187	41.008476
16856	16512	17544	16168	17888	16168	16512	18232	16856	15136	17544
43	43	43	43	43	43	42.888311	43	43	43	43.105651
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30.733378	30.084339	29.660221	29.728302	30.953456	29.558904	29.617547	29.677173	29.288071	29.421263	29.736937
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154382.447	260304.552	324493.177	283384.884	213119.472	294804.844	312299.349	323606.871	619669.022	490186.386	426474.676
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228.31	367.84	390.35	356.39	321.27	359.96	362.53	344.89	374.73	334.95	388.15

22.354486	23.606662	25.888007	24.287929	22.967022	23.860083	26.187862	26.667901	37.590857	38.19051	31.763318
22.354486	6.845932	7.766402	6.55774	6.201096	5.487819	7.856358	6.133617	9.397714	8.783817	9.846628
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
15.025357	24.531223	26.212107	25.880664	19.549543	27.464361	27.574	25.208537	34.72375	33.104034	30.184938
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5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
171781.026	276269.181	311112.778	283591.019	237596.718	298482.521	305901.33	304511.841	389225.057	334353.347	356867.152
24325.8374	20809.1824	-7539.7699	5910.93643	34211.629	8748.61202	212.305749	-9587.0273	-224902.16	-150891.6	-63372.995
24325.8374	20809.1824	-7539.7699	5910.93643	34211.629	8748.61202	212.305749	-9587.0273	-224902.16	-150891.6	-63372.995
109.31	3.51	2.84	2.68	2.58	1.97	3.14	2.68	3.01	2.74	4.11
0.387755			0.002659	0.189903		0.002604	0.148584			
45023.2349	78898.1978	103002.852	89113.8596	62360.3625	74140.4191	84853.89	95482.79	104921.612	89727.8369	91404.7387
1.53	1.07	1.29	1.26	2.15	1.12	1.46	2.1	1.2	1.07	1.35
6927.2586	4844.5534	5840.6298	5704.8012	9734.383	5070.9344	6610.3252	9508.002	5541.804	4941.4419	6234.5295
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
165125.394	265624.592	299027.947	272594.842	228406.868	286813.463	293905.261	292433.927	373571.591	320952.834	342739.091
5889.94	9419.99	10694.54	9731.13	8132.61	10326.6	10615.99	10688.42	13611.71	11652.62	12285.27
6927.2586	4844.5534	5840.6298	5704.8012	9734.383	5070.9344	6610.3252	9508.002	5541.804	4941.4419	6234.5295
214616.539	338815.279	381779.843	348296.484	297036.968	365730.195	376200.883	377546.415	474322.006	407729.89	436093.259
6655.6322	10644.5887	12084.8302	10996.1769	9189.8493	11669.058	11996.0687	12077.9146	15653.4665	13400.513	14128.0605

0.02426	0.044348	0.038382	0.019361	0.033653	0.035851	0.035312	0.028066	0.029974	0.024289	0.025514

1147.47	1100.91	1177.02	1106.16	1206	1087.56	1111.32	1236.3	1140.75	1030.35	1192.77
2.927219	2.866953	2.884852	2.941914	2.899038	2.892446	2.886545	2.915801	2.910076	2.92713	2.930638
1176	1152	1224	1128	1248	1128	1152	1272	1176	1056	1224
3	3	3	3	3	3	2.992207	3	3	3	3.007371

1.54	3.805409	6.345312	3.523607	2.819187	0.14	0.14	8.416466	9.185155	4.628274
0.000993	0.004877	0.010122	0.005391	0.005231	0.000065	0.00002	0.019176	0.026822	0.002974
0.000979	0.004765	0.009862	0.005324	0.005091	0.000063	0.00002	0.018438	0.025857	0.002867
374.090622	526.887742	6937.36036	2162.63347	1397.96643		27.537385	4124.53568	5529.04532	732.826348
1.701445	1.76938	21.137822	7.060326	5.106426		0.102225	13.618488	18.80597	2.756579

19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
0.023099	0.027552	0.027855	0.031063	0.030841	0.029215	0.032395	0.031025	0.030625	0.030369	0.030857
268.8	1295.1	2851.6	1417.3	1500.3	16.8	5.6		5079.4	6455.1	821.7
1243.68747	6325.55783	14548.8134	7229.2633	7143.13575	70.19178	27.537385		21320.9907	28883.8223	3834.73343
0.526783	1.341048	2.257296	1.251197	0.972931	0.04178	0.049173		2.609592	3.107053	1.575224
82.744114	98.695964	1349.23925	424.424398	282.609201		5.6		914.166214	1277.60787	175.599651
19176.2	18672.5	19832.8	18253.5	20119.5	18284.8	18573.2	20530.1	19029.9	17031.9	19738.1
48.918877	48.626302	48.609803	48.546542	48.364182	48.629787	48.242077	48.420047	48.545663	48.386079	48.49656
19600	19200	20400	18800	20800	18800	19200	21200	19600	17600	20400
50	50	50	50	50	50	49.870129	50	50	50	50.12285
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
7.374972	28.781713	51.266355	28.883157	23.808111	0.584931	0.688434		42.362214	67.590906	27.389462
7.374972	18.972516	32.084819	17.647342	13.744495	0.584931	0.688434		36.995363	44.282513	22.298931
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385		21519.4847	29055.1663	3851.77043
1324.42288	7225.79596	16835.6015	8289.84969	8250.20702	71.215012	28.072372		23847.6871	34489.1223	4222.00547
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
1324.42288	7225.79596	16835.6015	8289.84969	8250.20702	71.215012	28.072372		23847.6871	34489.1223	4222.00547
172.42	251.45	365.11	273.93	193.06	168.52	142.51	91.78	258.3	286.51	233.42
869.596852	5809.91309	7672.63802	5073.46684	5763.14032	70.19178			17394.9491	23526.121	3118.94408
921.615644	6624.58573	8923.4108	5788.84551	6663.72842	71.215012			19314.6965	27835.2287	3420.25076
3.649937	5.626363	6.623172	4.639051	3.893006	0.4			11.251301	13.409393	6.222422
13.289706	84.450288	105.190813	69.94607	85.829366	1.2			296.123841	364.403446	45.978596
65.545346	71.820455	75.238899	72.897402	71.23915		70.603007		66.415394	73.644506	71.69421
3.277267	6.46384	30.808513	13.850506	11.381542		0.70603		25.066842	31.667137	8.603305
19.2	91.5	201.2	100.1	105.9	1.2	0.4		361.4	455.1	58.5
0.048979	0.238281	0.493137	0.266223	0.254567	0.003191	0.001038		0.921938	1.292897	0.143734
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
80.735406	888.995128	2225.60314	1053.74938	1089.10027	1.023231	0.534986		2328.20235	5433.956	370.235045
5.910293	7.049711	96.009186	30.153929	20.070633		0.4		65.276158	90.696553	12.521403
374.090622	526.887742	6937.36036	2162.63347	1397.96643		27.537385		4124.53568	5529.04532	732.826348
0.22	1.15	1.98	1.11	1.24	0.03			5.02	5.62	0.72
-80.735406	-888.99513	-2225.6031	-1053.7494	-1089.1003	-1.023231	-0.534986		-2328.2023	-5433.956	-370.23505
-1002.3511	-7513.5809	-11149.014	-6842.5949	-7752.8287	-72.238244	-0.534986		-21642.899	-33269.185	-3790.4858
0.06	0.03	0.7	0.23	0.11		0.01		0.53	0.72	0.2
107.9114	683.4949	1874.1513	860.4344	749.6741	6.551	2.6938		2839.3337	3837.5864	401.5783

	0.01	0.08		0.02			0.35	0.19	0.03
	5.18	46.221		10.36			189.782	134.516	15.849
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385	21519.4847	29055.1663	3851.77043
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385	21519.4847	29055.1663	3851.77043
1243.68747	6325.55783	14548.8134	7229.2633	7143.13575	70.19178	27.537385	21320.9907	28883.8223	3834.73343
19.2	91.5	201.2	100.1	105.9	1.2	0.4	361.4	455.1	58.5
	5.18	46.221		10.36			189.782	134.516	15.849
1243.68747	6336.80083	14609.9984	7236.1003	7161.10675	70.19178	27.537385	21519.4847	29055.1663	3851.77043
	6.063	14.964	6.837	7.611			8.712	36.828	1.188
							0.08	0.1	0.04

0.034005	0.03763	0.032769	0.030425	0.025697	0.01867	0.027109	0.035353	0.029183	0.031562	0.031372

1514.68	1478.2	1578.52	1458.24	1621.24	1475.92	1494.36	1636.04	1522.24	1363.56	1580.8
3.863979	3.849479	3.868921	3.878297	3.897211	3.925319	3.881454	3.858584	3.883265	3.87375	3.884029
1568	1536	1632	1504	1664	1504	1536	1696	1568	1408	1632
4	4	4	4	4	4	3.98961	4	4	4	4.009828

10.70922	10.691224	10.550775	10.631462	10.683422	10.56699	10.568602	10.517799	10.225072	10.289856	10.399093
0.334787	0.352451	0.388358	0.368333	0.366185	0.399201	0.414365	0.435712	0.703064	0.642433	0.515239
0.237311	0.335905	0.367602	0.347316	0.346919	0.376643	0.394849	0.413248	0.663793	0.606915	0.484783
186505.138	258936.074	299973.489	262444.141	287557.106	282229.744	301942.991	346649.847	508208.492	418920.185	394309.282
887.755116	1139.62662	1062.77318	990.500275	1338.99828	1317.99007	1225.28176	1182.39403	1747.83524	1510.02482	1596.82985
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
0.071096	0.051692	0.055735	0.060026	0.055528	0.058484	0.048541	0.054103	0.054719	0.054715	0.058872
57872.5757	80192.0724	92455.3824	80850.4989	89360.0964	87034.5386	93055.7199	107013.505	154087.073	127161.927	119377.992
74703.6033	104016.928	121179.979	106131.492	115277.122	114248.533	122018.555	139648.287	208192.71	171378.971	162069.045
3.178699	3.178699	3.1787	3.178699	3.178699	3.1787	3.178699	3.1787	3.2387	3.2387	3.2387
108725.208	150656.846	173695.927	151893.832	167880.813	163511.788	174823.781	201046.273	291024.255	240170.731	225469.214
16181.804	21339.19	22576.236	20710.998	23023.94	20744.986	21410.096	23502.116	21714.23	19498.564	22501.228

41.280112	55.570807	55.333911	55.082441	55.346009	55.172835	55.610638	55.429518	55.393443	55.393647	55.285572
22971.2	22502.4	23908.8	22033.6	24377.6	22033.6	22502.4	24846.4	22971.2	20627.2	23908.8
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999	58.599999	58.6	58.74398
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
43.845156	39.151506	37.874149	39.085009	39.046846	38.588419	37.428914	38.289698	36.219257	36.683939	37.75264
34.629866	34.570772	34.109444	34.361295	34.549947	34.155899	34.167381	34.012053	33.704035	33.913932	34.264151
228078.532	287195.674	329959.83	292655.583	319692.459	312970.748	327052.747	382181.608	537751.96	445332.081	426848.221
159873.942	236744.329	303693.127	251539.803	259594.253	260680.163	289854.586	339211.407	739004.339	570568.824	450116.243
-68204.59	-50451.345	-26266.703	-41115.78	-60098.206	-52290.585	-37198.161	-42970.201	201252.379	125236.743	23268.0222
159873.942	236744.329	303693.127	251539.803	259594.253	260680.163	289854.586	339211.407	739004.339	570568.824	450116.243
276.14	364.15	385.26	353.43	392.9	354.01	365.36	401.06	370.55	332.74	383.98
85.442556	121.732175		19.714133	505.925028	343.891117	52.675872		4.87094	15.70269	67.431224
87.198567	129.324147		19.136264	595.094542	382.537131	49.904772		7.209691	15.086895	78.870175
1.458583	1.495728		0.523802	3.126656	3.645084	1.308677		0.13	0.430193	1.510432
2.459094	3.586977		0.523802	15.363663	9.905358	1.438677		0.13	0.430193	1.817231
22.727267	23.86795	26.721234	25.524047	23.877208	26.735509	26.579822	28.967421	40.8754	37.270401	31.540541
22.725262	20.275362	23.247474	22.454027	20.997157	24.564937	22.052948	26.070679	37.196614	33.916064	28.069996
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6
13.906443	19.684046	21.541509	20.352765	20.329475	22.071324	23.078062	24.216358	38.898295	35.565221	28.478132
-98454.586	-92367.741	-74593.132	-83376.336	-106806.73	-97783.538	-85838.386	-98906.16	120711.066	58769.2036	-39130.854
-98454.586	-92367.741	-74593.132	-83376.336	-106806.73	-97783.538	-85838.386	-98906.16	120711.066	58769.2036	-39130.854
5448.86691	7555.08702	8788.936	7652.1162	8441.69834	8288.91264	8883.61532	10267.736	15248.002	12518.5278	11588.7828
186505.138	258936.074	299973.489	262444.141	287557.106	282229.744	301942.991	346649.847	508208.492	418920.185	394309.282
				0.01	0.02			0.01	0.01	0.04
68204.5902	50451.3451	26266.7034	41115.7801	60098.2062	52290.5848	37198.1611	42970.2006	-201252.38	-125236.74	-23268.022
68117.3916	50322.0209	26266.7034	41096.6438	59503.1116	51908.0477	37148.2563	42970.2006	-201259.59	-125251.83	-23346.892
81.34	21.8	23.24	19.07	21.25	19.97	18.85	21.94	18.61	20.11	20.28
0.242346										
50130.8059	73832.9686	95344.3391	83062.261	75136.4537	68247.6915	81311.7259	104649.423	97984.4908	83863.1987	84683.193
2.02	1.37	1.46	1.47	1.54	1.48	1.22	1.73	1.41	1.26	1.55
41487.9518	28137.8683	29986.3414	30191.7273	31629.4286	30397.1132	25057.0798	35531.7607	29538.5976	26396.1936	32471.508
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
183428.811	254673.775	294875.906	258025.324	283157.935	277760.32	296842.336	340694.56	499216.965	411549.702	387538.259
5451.326	7558.674	8788.936	7652.64	8457.062	8298.818	8885.054	10267.736	15248.132	12518.958	11590.6

41487.9518	28137.8683	29986.3414	30191.7273	31629.4286	30397.1132	25057.0798	35531.7607	29538.5976	26396.1936	32471.508
258328.528	329112.07	378286.259	334916.139	366400.982	358463.701	375692.971	438117.567	618293.273	511799.62	489247.098
3161.76908	4384.03092	5097.58288	4438.5312	4905.09596	4813.31444	5153.33132	5955.28688	8996.39788	7386.18522	6838.454
0.35	0.12		0.06	0.28	0.36	0.13			0.03	0.11
0.9	2.55	5.7	3	2.55				4.8	7.35	3.3
0.000537	0.003938	0.008303	0.004171	0.004502				0.010882	0.021718	0.001492
0.00051	0.003854	0.008161	0.004122	0.004278				0.010663	0.021164	0.001421
46.955853	35.571131	988.499218	259.161244	232.378912				301.709918	821.469471	78.738392
0.207744	0.121578	3.004717	0.832586	0.87357				0.977299	2.80105	0.304475
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
0.039413	0.031953	0.022352	0.030053	0.035817	0.028856	0.026041	0.02783	0.025535	0.029659	0.038186
42	310.8	699.3	325.5	373.8				877.8	1564.5	121.8
189.966666	1506.01998	3551.4281	1658.65666	1783.47647				3516.56701	6892.14104	567.045313
0.288468	0.837478	1.905907	1.005393	0.825405				1.336027	2.318535	1.038932
10.5	6.850642	190.90991	50.902217	46.049388				71.82835	193.065101	19.562212
5271.7	5204.22	5584.32	5105.8	5615.4	5112.1	5236	5770.8	5347.86	4781.84	5493.88
13.448214	13.552656	13.687058	13.579255	13.498557	13.59601	13.6	13.610377	13.6425	13.584772	13.498476
5488	5376	5712	5264	5824	5264	5376	5936	5488	4928	5712
14	14	14	14	14	14	13.963636	14	14	14	14.034398
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12
4.477034	12.562173	28.833805	15.174658	12.809656				20.980459	36.361678	16.333981
4.477034	12.562173	28.833805	15.174658	12.809656				20.980459	36.361678	16.333981
200.466666	1506.01998	3572.4281	1669.15666	1804.47647				3621.56701	7039.14104	577.545313
199.095071	1691.18001	4026.43176	1873.22986	2021.49385				3934.54658	8210.9134	618.561439
-1.371594	185.160022	454.00366	204.073202	217.017382				312.979571	1171.77237	41.016125
199.095071	1691.18001	4026.43176	1873.22986	2021.49385				3934.54658	8210.9134	618.561439
107.72	130.07	192.39	158.74	140.99	100.89	82.66	54.56	117.32	136.86	117.94
153.510812	1470.44885	2583.92888	1409.99542	1572.09756				3319.85709	6217.67157	498.806921
148.075977	1652.83935	2934.96345	1569.18111	1763.19177				3596.09682	7209.91495	533.579829
0.7	2.375398	4.472163	2.591006	2.203101				4.380579	6.672752	2.893963
2.1	20.26329	33.892672	18.306518	21.85004				53.731443	91.428993	6.815852
77.899886	82.562886	80.689722	78.708549	78.597255				69.439634	70.601202	63.382574
1.557997	2.476886	20.979327	6.296683	3.929862				8.085649	15.532264	2.535302
2.8	20.72	46.62	21.7	24.92				58.52	104.3	8.12

0.007142	0.053958	0.114264	0.057712	0.059903					0.149285	0.296306	0.01995
-1.371594	185.160022	454.00366	204.073202	217.017382					312.979571	1171.77237	41.016125
-1.371594	185.160022	454.00366	204.073202	217.017382					312.979571	1171.77237	41.016125
0.7	0.456709	12.727327	3.393481	3.069959					4.788556	12.871006	1.304147
46.955853	35.571131	988.499218	259.161244	232.378912					301.709918	821.469471	78.738392
0.15	0.98	1.66	0.9	1.07					3.28	4.12	0.42
1.371594	-185.16002	-454.00366	-204.0732	-217.01738					-312.97957	-1171.7724	-41.016125
-146.70438	-1837.9994	-3388.9671	-1773.2543	-1980.2092					-3909.0764	-8381.6873	-574.59596
0.05	0.03	0.55	0.13	0.12					0.2	0.42	0.06
45.3638	381.7444	1060.2594	458.928	429.0225					1245.6636	2123.9117	151.5723
0.01		0.02	0.01	0.02					0.1	0.14	0.01
10.5		21	10.5	21					105	147	10.5
200.466666	1506.01998	3572.4281	1669.15666	1804.47647					3621.56701	7039.14104	577.545313
200.466666	1506.01998	3572.4281	1669.15666	1804.47647					3621.56701	7039.14104	577.545313
189.966666	1506.01998	3551.4281	1658.65666	1783.47647					3516.56701	6892.14104	567.045313
2.8	20.72	46.62	21.7	24.92					58.52	104.3	8.12
10.5		21	10.5	21					105	147	10.5
200.466666	1506.01998	3572.4281	1669.15666	1804.47647					3621.56701	7039.14104	577.545313
									0.01	0.1	0.01

11.240136	11.264597	11.140334	11.199031	11.224388	11.1586	11.141793	11.067365	10.750178	10.832708	10.967795
0.205118	0.275976	0.298746	0.287017	0.275435	0.296965	0.302273	0.309017	0.465627	0.432817	0.354511
0.15285	0.265793	0.287808	0.276478	0.259157	0.286214	0.291255	0.292805	0.449235	0.415449	0.340754
729922.136	1246101.35	1493961.83	1313409.12	1294634.94	1237072.58	1357448.89	1556452.24	2135493.68	1751543.15	1639068.89
3477.66661	5562.2764	5346.28613	4998.32054	6099.36386	5774.63263	5525.14176	5323.20112	7332.35351	6289.77695	6648.1111
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
0.035345	0.035788	0.033594	0.033885	0.03545	0.033024	0.034628	0.034511	0.032569	0.034232	0.034652
246065.531	420391.052	479437.795	426095.344	441442.999	439043.154	455224.833	501981.822	688535.073	576099.004	556360.607
327518.987	567299.097	667228.523	580463.39	593328.901	576162.993	596108.62	653514.687	1016082.57	863100.492	777898.384
2.971607	2.991641	3.011964	2.99083	3.027028	2.964333	2.967001	2.985321	3.103994	3.111236	3.05376
403069.761	690986.874	781559.582	699440.507	741351.557	729598.026	758051.614	846185.229	1128403.36	935201.576	926089.501
1386.28254	1738.17352	8067.77899	3734.75754	2134.20331	51.107403	72.484963	16.38906	11787.1298	9278.02861	1578.26251
107148.284	135719.835	144245.676	132945.078	143666.545	132999.131	135773.686	147418.371	138842.43	124205.799	144012.273
273.337459	353.43707	353.543323	353.577335	345.352271	353.721093	352.658924	347.684837	354.189872	352.857383	353.838508
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8

367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
140.933563	178.23685	224.128952	175.848443	167.58297	114.355917	112.698153	107.762752	209.09106	253.002317	188.368532
34.769468	35.133108	35.012792	34.906152	35.427605	34.41276	34.390454	34.378807	34.921503	35.25112	34.909192
822682.405	1353236.52	1558004.4	1378133.98	1442880.12	1401893.35	1447912.09	1613953.18	2291473.89	1922849.65	1824034.1
607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88
-214898.83	-256645.18	-142412.28	-192180.86	-311356.6	-233226.64	-187079.82	-179826.14	805218.45	507391.371	70293.7781
607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88
1103.22	1665.42	1975.81	1683.27	1585.18	1478.19	1432.95	1423.93	1750.24	1667.74	1730.59
30797.1386	66097.2276	18695.4365	21322.048	97452.746	121846.433	51564.1432	4131.03136	112403.141	132494.417	138042.62
34395.1601	77575.5354	21755.7668	24093.1883	113078.236	135824.191	58289.0387	4345.94136	137589.728	166841.772	166385.081
7.094705	8.799083	5.833989	5.273465	8.645056	10.367408	6.229144	2.273712	9.648122	12.220803	11.080167
807.726953	1610.4258	316.7703	430.012368	2522.50448	3387.77144	1435.58901	117.597738	2416.06589	2792.71224	3499.12003
25.236636	29.746509	39.572214	32.32026	27.701498	26.14604	27.221026	28.748238	44.856209	44.491411	37.309743
25.216598	29.669854	39.541507	32.306503	27.619492	26.021523	27.169946	28.74335	44.747518	44.467492	37.250583
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
56.111545	97.57263	105.654607	101.495154	95.136759	105.069303	106.642192	107.489061	164.914193	152.511642	125.398353
-342155.51	-473294.03	-387274.85	-411722.65	-538820.57	-462482.98	-424897.27	-442203.47	458634.915	219114.205	-217352.83
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21187.999	35857.4642	42790.3097	37732.1656	37054.3875	36118.2866	39621.655	45457.7643	62230.2981	50891.3858	47538.01
729922.136	1246101.35	1493961.83	1313409.12	1294634.94	1237072.58	1357448.89	1556452.24	2135493.68	1751543.15	1639068.89
4.62	11.66	7.04	6.43	13.15	12.83	10.12	0.47	57.76	48.04	32.93
214898.829	256645.181	142412.278	192180.862	311356.602	233226.639	187079.819	179826.137	-805218.45	-507391.37	-70293.778
180503.669	179069.646	120656.511	168087.673	198278.367	97402.4479	128790.781	175480.196	-942808.18	-674233.14	-236678.86
359.29	344.67	396.65	359.74	360.33	303.87	333.43	413.86	305.44	272.97	310.26
0.099721			0.000241	0.017263		0.000236	0.013507			
135753.769	235586.365	310282.412	268005.277	223558.956	218513.007	254988.176	316344.687	324935.768	279550.915	273059.023
5.08	3.48	4.22	3.69	4.94	3.45	3.49	4.74	4.76	3.98	4.07
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71
730588.748	1258285.97	1448788.1	1279903.9	1334680.46	1305761.02	1354160.23	1499699.92	2144485.93	1798302.07	1703987.88
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
949939.084	1569885.37	1802866.97	1597675.77	1670344.08	1631149.69	1685729.54	1876330.51	2638057.43	2211126.81	2111680.71

30101.0337	53836.2059	63645.2572	54755.0494	57290.4003	53143.7548	54843.2984	60883.3567	102733.509	85206.9918	72976.1963
17.19	27.4	4.07	9.39	40.76	59.11	39.93	8.89	28.63	30.93	64.51
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441
3631.55108	2578.02007	4252.68859	3786.22126	2523.82193	2178.63703	2980.88453	4572.4309	2795.73195	2452.57615	2508.35582
-82162.906	-85536.935	-111941.47	-97897.191	-88349.652	-80634.595	-94112.911	-123376.12	-113980.53	-98089.906	-100044.96
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441
369.78	344.14	396.48	359.76	361.04	303.42	332.9	414.18	303.5	271.27	308.94
180.86617	198.022366	239.60012	227.980643	192.852773	156.8438	188.771651	233.718204	204.6022	206.196249	178.004486
98.352186	80.743423	125.741305	118.229308	80.18982	74.506656	95.022602	126.118789	81.111387	88.117314	81.508655
36484.5118	28079.7374	50000.4252	42743.0318	29402.4468	22850.2773	32091.4863	52409.4948	26412.9273	25266.1463	25986.0526
-82162.906	-85536.935	-111941.47	-97897.191	-88349.652	-80634.595	-94112.911	-123376.12	-113980.53	-98089.906	-100044.96
-209.59925	-222.75244	-274.36636	-260.36487	-212.37897	-214.45371	-244.44912	-290.98142	-290.76665	-278.6645	-245.81072
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-23.212696	-24.947708	-27.578305	-26.742989	-23.514944	-25.636367	-27.033801	-28.258344	-42.711158	-38.845684	-31.854769
-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2674628.49	2725612.54	4267157.55	3613109.05	2631243.4	2540109.86	3278291.15	4822998.1	5689564.08	4500674.36	3805303.56
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441
3631.55108	2578.02007	4252.68859	3786.22126	2523.82193	2178.63703	2980.88453	4572.4309	2795.73195	2452.57615	2508.35582
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82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441
369.78	344.14	396.48	359.76	361.04	303.42	332.9	414.18	303.5	271.27	308.94
180.86617	198.022366	239.60012	227.980643	192.852773	156.8438	188.771651	233.718204	204.6022	206.196249	178.004486
98.352186	80.743423	125.741305	118.229308	80.18982	74.506656	95.022602	126.118789	81.111387	88.117314	81.508655

36484.5118	28079.7374	50000.4252	42743.0318	29402.4468	22850.2773	32091.4863	52409.4948	26412.9273	25266.1463	25986.0526
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-1908311.8	-2133472.2	-3085231.9	-2615804.8	-2078047.6	-2066361	-2544353.8	-3486108.3	-4867735.8	-3809003.2	-3185997.1
-23.212696	-24.947708	-27.578305	-26.742989	-23.514944	-25.636367	-27.033801	-28.258344	-42.711158	-38.845684	-31.854769
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1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2674628.49	2725612.54	4267157.55	3613109.05	2631243.4	2540109.86	3278291.15	4822998.1	5689564.08	4500674.36	3805303.56
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12

377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	380282.998	384703.28	353226.732	405721.468
1808.73566	1384.2249	936.712293	892.492287	1534.52759	1513.91373	1388.4038	1315.42997	1329.38649	1274.29189	1667.34587
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
190112.527	157840.018	146066.809	130064.83	160020.53	179545.856	198532.436	233319.886	364077.324	287341.296	268113.009
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
21.083801	17.161112	13.58046	13.349477	16.817699	18.76153	19.256386	19.693399	21.904384	21.148262	21.008612
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8329.92516	8115.84188	7444.18825	8550.50512
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	380282.998	384703.28	353226.732	405721.468
187177.885	142987.422	106871.99	99070.9463	159354.316	142484.559	139903.379	147893.806	42505.7715	65885.4362	137608.459
187177.885	142987.422	106871.99	99070.9463	159354.316	142484.559	139903.379	147893.806	42505.7715	65885.4362	137608.459
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512

377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
8264.85021	6589.86724	5540.82801	5019.40363	6996.1631	7054.33549	7413.70898	8350.00122	8586.51872	7444.18825	8550.50512
190112.527	157840.018	146066.809	130064.83	160020.53	179545.856	198532.436	233319.886	364077.324	287341.296	268113.009
-187177.89	-142987.42	-106871.99	-99070.946	-159354.32	-142484.56	-139903.38	-147893.81	-42505.771	-65885.436	-137608.46
377290.412	300827.439	252938.799	229135.776	319374.845	322030.415	338435.815	381213.693	406583.095	353226.732	405721.468
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	365327.093	368023.317	337896.853	388168.462
1736.51508	1331.85934	898.431401	856.243321	1474.761	1455.58359	1333.52299	1263.76811	1271.76575	1218.96461	1595.27545
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
213544.598	177542.205	164006.878	146024.946	179884.228	201932.577	223078.212	262204.75	409125.761	322846.185	301252.872
23.708482	23.229863	25.577805	26.71833	20.948209	11.014209	27.244029	26.567079	33.935058	35.253165	27.715439
15.884682	0.696895	1.023112	1.068733	2.723267	0.220284	2.996843	2.391037	0.678701	0.705063	0.831463
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
23.681709	19.314403	15.240152	14.983748	18.907941	21.100927	21.637571	22.134122	24.614653	23.760748	23.607199
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9362.25405	9120.07761	8363.7835	9608.13025
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	365327.093	368023.317	337896.853	388168.462
148687.035	111858.644	78618.786	73809.4206	127035.534	107650.101	101976.527	104024.011	-20038.247	15050.6679	86915.5897
148687.035	111858.644	78618.786	73809.4206	127035.534	107650.101	101976.527	104024.011	-20038.247	15050.6679	86915.5897
10.9	0.27	0.24	0.44	1.76	0.19	0.52	0.78	0.17	0.06	0.3
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
9283.22997	7416.73113	6217.98216	5633.88946	7865.70378	7933.94868	8330.46485	9384.86811	9648.9443	8363.7835	9608.13025
213544.598	177542.205	164006.878	146024.946	179884.228	201932.577	223078.212	262204.75	409125.761	322846.185	301252.872
-148687.04	-111858.64	-78618.786	-73809.421	-127035.53	-107650.1	-101976.53	-104024.01	20038.2473	-15050.668	-86915.59
362231.633	289400.849	242625.664	219834.367	306919.761	309582.678	325054.739	366228.761	389087.514	337896.853	388168.462
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
803.292692	919.425616	791.895282	737.016983	796.585237	594.32469	585.714428	668.149611	648.143058	627.706529	843.363244

3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
74724.9826	93063.6193	109525.315	95544.5059	73627.6952	62143.8597	74097.371	104759.738	157039.066	129965.932	124151.411

3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
8.345717	10.1716	10.23575	9.853106	7.776704	6.527919	7.241826	8.913548	9.361703	9.636925	9.847353
-92875.045	-107035.36	-104420.71	-94250.763	-92106.943	-63600.057	-68737.157	-88856.075	-30964.171	-43816.36	-81171.915
-92875.045	-107035.36	-104420.71	-94250.763	-92106.943	-63600.057	-68737.157	-88856.075	-30964.171	-43816.36	-81171.915
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
92875.0451	107035.357	104420.708	94250.7631	92106.9429	63600.0572	68737.1566	88856.075	30964.1706	43816.36	81171.9151
92875.0451	107035.357	104420.708	94250.7631	92106.9429	63600.0572	68737.1566	88856.075	30964.1706	43816.36	81171.9151

82162.9057	83648.4881	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	98398.458
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326
3271.52113	3905.89452	4176.18628	3704.76808	3235.10908	2454.4977	2788.10321	3779.34438	3669.78795	3392.19778	4007.87286
74724.9826	93063.6193	109525.315	95544.5059	73627.6952	62143.8597	74097.371	104759.738	157039.066	129965.932	124151.411
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167600.028	200098.976	213946.023	189795.269	165734.638	125743.917	142834.528	193615.813	188003.237	173782.292	205323.326

312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	343352.437	386089.364	238166.224	379572.217
1500.39083	1454.98259	1021.06463	1017.76654	1559.09589	1698.97166	1351.58461	1195.69296	1343.71439	865.717949	1570.71343
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
83354.65	84888.6638	80325.6772	76304.2439	84931.3585	106692.725	102526.14	110748.249	197407.521	103782.416	133949.599
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
9.364269	9.602189	7.881722	8.148755	9.124619	11.232046	10.045435	9.551151	11.917912	7.761943	10.698748
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-228809.63	-228674.3	-193141.09	-184252.52	-237867.03	-252452.41	-226365.43	-233663.56	-209323.5	-134383.81	-245622.62
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4037.33893	4431.59289	2732.20402	4354.39047
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	343352.437	386089.364	238166.224	379572.217
228809.633	228674.3	193141.093	184252.525	237867.029	252452.411	226365.432	233663.558	209323.499	134383.808	245622.618

228809.633	228674.3	193141.093	184252.525	237867.029	252452.411	226365.432	233663.558	209323.499	134383.808	245622.618
82162.9057	85536.9354	111941.474	96604.185	88015.4304	80634.5952	94112.9109	123376.122	113291.611	96120.8616	99878.1241
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
3670.79354	3687.24088	3215.74282	3063.9319	3795.8418	4223.24949	3867.49262	4049.68842	4671.82182	2732.20402	4354.39047
83354.65	84888.6638	80325.6772	76304.2439	84931.3585	106692.725	102526.14	110748.249	197407.521	103782.416	133949.599
-228809.63	-228674.3	-193141.09	-184252.52	-237867.03	-252452.41	-226365.43	-233663.56	-209323.5	-134383.81	-245622.62
312164.283	313562.964	273466.77	260556.768	322798.387	359145.136	328891.572	344411.807	406731.02	238166.224	379572.217
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1282578.34	1326819.2	1103072.1	1378785.47
5848.93426	5090.49245	3648.10361	3503.51913	5364.96972	5262.79367	4659.22584	4443.04066	4593.00968	3986.68097	5676.69799
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
561736.758	513334.506	499924.679	447938.525	498463.811	550315.018	598234.159	711032.623	1127649.67	843935.83	827466.892
23.708482	23.229863	25.577805	26.71833	20.948209	11.014209	27.244029	26.567079	33.935058	35.253165	27.715439
15.884682	0.696895	1.023112	1.068733	2.723267	0.220284	2.996843	2.391037	0.678701	0.705063	0.831463
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
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24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25508.8625	25337.3003	21932.3735	26520.8987
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1282578.34	1326819.2	1103072.1	1378785.47
657549.598	590555.723	483052.577	451383.654	616363.821	566187.128	536982.494	574437.45	262755.194	259136.272	551318.581
657549.598	590555.723	483052.577	451383.654	616363.821	566187.128	536982.494	574437.45	262755.194	259136.272	551318.581
10.9	0.27	0.24	0.44	1.76	0.19	0.52	0.78	0.17	0.06	0.3
328651.623	340259.294	447765.897	390295.757	353064.387	322538.381	376451.644	493504.486	455233.188	390390.578	398366.505
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
561736.758	513334.506	499924.679	447938.525	498463.811	550315.018	598234.159	711032.623	1127649.67	843935.83	827466.892

-657549.6	-590555.72	-483052.58	-451383.65	-616363.82	-566187.13	-536982.49	-574437.45	-262755.19	-259136.27	-551318.58
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
11.240136	11.264597	11.140334	11.199031	11.224388	11.1586	11.141793	11.067365	10.750178	10.832708	10.967795
0.205118	0.275976	0.298746	0.287017	0.275435	0.296965	0.302273	0.309017	0.465627	0.432817	0.354511
0.15285	0.265793	0.287808	0.276478	0.259157	0.286214	0.291255	0.292805	0.449235	0.415449	0.340754
1908311.85	2133472.24	3085231.86	2615804.75	2078047.6	2066361.01	2544353.81	3486108.32	4867735.8	3809003.17	3185997.12
2715525.14	2942131.88	3658864.79	3210035.6	2962658.37	2827323.59	3226602.88	4175920.36	4284141.15	3546286.45	3637160.8
12958.152	13230.7889	13247.0783	12288.0609	13988.1555	13216.0633	13165.2521	14338.6727	14721.0951	12729.0341	14833.1649
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3901857.57	3822227.82	4061117.06	3742598.07	4140746.8	3742598.07	3822227.82	4220575.62	3979894.72	3573783.01	4142339.4
0.035345	0.035788	0.033594	0.033885	0.03545	0.033024	0.034628	0.034511	0.032569	0.034232	0.034652
246065.531	420391.052	479437.795	426095.344	441442.999	439043.154	455224.833	501981.822	688535.073	576099.004	556360.607
327518.987	567299.097	667228.523	580463.39	593328.901	576162.993	596108.62	653514.687	1016082.57	863100.492	777898.384
2.971607	2.991641	3.011964	2.99083	3.027028	2.964333	2.967001	2.985321	3.103994	3.111236	3.05376
403069.761	690986.874	781559.582	699440.507	741351.557	729598.026	758051.614	846185.229	1128403.36	935201.576	926089.501
1386.28254	1738.17352	8067.77899	3734.75754	2134.20331	51.107403	72.484963	16.38906	11787.1298	9278.02861	1578.26251
107148.284	135719.835	144245.676	132945.078	143666.545	132999.131	135773.686	147418.371	138842.43	124205.799	144012.273
273.337459	353.43707	353.543323	353.577335	345.352271	353.721093	352.658924	347.684837	354.189872	352.857383	353.838508
143903.2	140966.4	149776.8	138029.6	152713.6	138029.6	140966.4	155650.4	143903.2	129219.2	149776.8
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999	367.099999	367.099999	368.001965
21995.726	37467.89	43107.08	38162.178	39576.892	39506.058	41057.244	45575.362	64646.364	53684.098	51037.13
140.933563	178.23685	224.128952	175.848443	167.58297	114.355917	112.698153	107.762752	209.09106	253.002317	188.368532
34.769468	35.133108	35.012792	34.906152	35.427605	34.41276	34.390454	34.378807	34.921503	35.25112	34.909192
822682.405	1353236.52	1558004.4	1378133.98	1442880.12	1401893.35	1447912.09	1613953.18	2291473.89	1922849.65	1824034.1
607783.576	1096591.34	1415592.12	1185953.12	1131523.51	1168666.71	1260832.27	1434127.04	3096692.34	2430241.02	1894327.88
82162.9057	85536.9354	111941.474	97897.1905	88349.6521	80634.5952	94112.9109	123376.122	113980.526	98089.9056	100044.961
-214898.83	-256645.18	-142412.28	-192180.86	-311356.6	-233226.64	-187079.82	-179826.14	805218.45	507391.371	70293.7781
1169520.33	1609925.84	1915516.8	1633891.64	1629987.32	1718981.72	1859066.43	2145159.66	4224342.01	3274176.85	2721794.77
1103.22	1665.42	1975.81	1683.27	1585.18	1478.19	1432.95	1423.93	1750.24	1667.74	1730.59
30797.1386	66097.2276	18695.4365	21322.048	97452.746	121846.433	51564.1432	4131.03136	112403.141	132494.417	138042.62
19.760249	20.440802	22.170724	21.803151	19.708458	21.38835	22.34775	23.192013	32.895435	30.396222	25.501861
766316.645	592140.302	1181925.7	997304.292	553195.805	473748.855	733937.341	1336889.78	821828.273	691671.192	619306.441

369.78	344.14	396.48	359.76	361.04	303.42	332.9	414.18	303.5	271.27	308.94
180.86617	198.022366	239.60012	227.980643	192.852773	156.8438	188.771651	233.718204	204.6022	206.196249	178.004486
8.941107	6.728618	10.478442	9.852442	6.682485	7.450665	9.50226	14.013198	6.759282	7.343109	6.792387
36,484.51	28,079.74	50,000.43	42,743.03	29,402.45	22,850.28	32,091.49	52,409.49	26,412.93	25,266.15	25,986.05
34395.1601	77575.5354	21755.7668	24093.1883	113078.236	135824.191	58289.0387	4345.94136	137589.728	166841.772	166385.081
3.869839	5.132798	3.40316	3.076188	5.042949	5.183704	3.114572	1.010538	5.628071	7.128802	6.463431
807.73	1,610.43	316.77	430.01	2,522.50	3,387.77	1,435.59	117.60	2,416.07	2,792.71	3,499.12
25.002216	29.710279	39.500265	32.289269	27.515442	26.062177	27.158271	28.744234	44.801219	44.502263	37.161833
24.985565	29.633695	39.470241	32.27555	27.434491	25.938612	27.107705	28.739415	44.692839	44.47835	37.103172
-35676.785	-26469.312	-49683.655	-42313.019	-26879.942	-19462.506	-30655.897	-52236.857	-22757.089	-22473.434	-22486.933
-91.012206	-68.930499	-121.77366	-112.53463	-64.615246	-51.761983	-79.625707	-123.20014	-58.053798	-63.844983	-55.250448
-6809874.5	-7019549.8	-8016676.3	-7221509.1	-7373978.8	-6837629.2	-7328461.4	-8723324.9	-8651750.8	-7422808.2	-8097007.9
-82.88188	-82.111252	-71.663074	-73.815114	-83.502956	-84.822261	-77.88187	-70.725205	-75.928574	-75.709026	-80.960626
-6809874.5	-7019549.8	-8016676.3	-7221509.1	-7373978.8	-6837629.2	-7328461.4	-8723324.9	-8651750.8	-7422808.2	-8097007.9
45678.3939	57457.198	61941.049	55154.1587	58947.2053	57784.3179	62021.4246	70966.6268	87567.5984	72823.7593	74058.9087
1949208.49	2349991.58	2476939.09	2212731.3	2409462.57	2353574.73	2492665.54	2839030.58	3462312.88	2854615.25	3017854.36
6682617.84	6802900.97	7771813.77	7001967.34	7146514.83	6608372.85	7090643.95	8460947.53	8305167.26	7134531.08	7809361.32
7414539.32	7317465.73	8931983.7	7975178.45	7586632.4	6946297.51	7766292.25	9793491.37	8989405.81	7659360.5	8262282.68
0.099721			0.000241	0.017263		0.000236	0.013507			
546568.298	661382.594	869989.783	756198.224	664972.995	621685.983	725552.73	933225.295	894149.482	768031.399	771470.489
5.08	3.48	4.22	3.69	4.94	3.45	3.49	4.74	4.76	3.98	4.07
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
7979394.85	8629475.66	9932193.14	8855400.78	9003966.12	8556610.92	9187527.83	10868484.5	12876092.8	10696985.1	10818802.7
4077537.28	4807247.84	5871076.08	5112802.71	4863219.32	4814012.85	5365300.01	6647908.9	8896198.09	7123202.08	6676463.31
730588.748	1258285.97	1448788.1	1279903.9	1334680.46	1305761.02	1354160.23	1499699.92	2144485.93	1798302.07	1703987.88
46486.1209	59067.6238	62257.8193	55584.1711	61469.7098	61172.0894	63457.0137	71139.2641	91223.4368	75616.4715	77558.0287
61992.6228	41114.3432	45571.0395	43475.0338	50909.2574	42988.5719	38908.5612	53369.9027	44254.4506	39340.5875	47070.0215
4077537.28	4807247.84	5871076.08	5112802.71	4863219.32	4814012.85	5365300.01	6647908.9	8896198.09	7123202.08	6676463.31
30101.0337	53836.2059	63645.2572	54755.0494	57290.4003	53143.7548	54843.2984	60883.3567	102733.509	85206.9918	72976.1963
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47
24490.3949	21599.7338	19150.7393	17421.9931	21892.8178	21666.0314	22399.7697	25563.9021	26577.0728	21932.3735	26520.8987
561736.758	513334.506	499924.679	447938.525	498463.811	550315.018	598234.159	711032.623	1127649.67	843935.83	827466.892
-657549.6	-590555.72	-483052.58	-451383.65	-616363.82	-566187.13	-536982.49	-574437.45	-262755.19	-259136.27	-551318.58
1219286.36	1103890.23	982977.255	899322.18	1114827.63	1116502.15	1135216.65	1285470.07	1390404.87	1103072.1	1378785.47

2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
-3736227.7	-3979894.7	-4061117.1	-3979894.7	-3979894.7	-4061117.1	-3817450	-4061117.1	-4142542.5	-4059492.6	-3645258.7
-3736227.7	-3979894.7	-4061117.1	-3979894.7	-3979894.7	-4061117.1	-3817450	-4061117.1	-4142542.5	-4059492.6	-3645258.7
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
29.75727	23.537427	24.577458	27.207318	26.647396	23.457385	26.007324	27.36739	28.567382	43.626486	39.776488
25.228441	25.228329	25.228441	25.228441	25.228404	25.228385	25.228404	25.22846	25.228497	25.733008	25.732972
29.632442	23.412535	24.452553	27.08247	26.522516	23.33251	25.882473	27.242513	28.442508	43.501976	39.651977
29.728464	23.508606	24.548634	27.178507	26.618577	23.428568	25.978512	27.338572	28.538565	43.597753	39.747755
29.008297	22.788072	23.828028	26.458229	25.898118	22.708132	25.258221	26.618125	27.818137	42.879425	39.029422
29.286762	23.066679	24.106662	26.736736	26.176695	22.986701	25.536733	26.896698	28.096702	43.157178	39.307177
29.709259	23.489392	24.529418	27.1593	26.599365	23.409356	25.959304	27.319361	28.519354	43.578598	39.728599
29.747668	23.52782	24.56785	27.197715	26.637789	23.44778	25.99772	27.357784	28.557777	43.616909	39.76691

23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.245633	23.710545	23.710545
1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.4	1.4
29.45	23.23	24.27	26.9	26.34	23.15	25.7	27.06	28.26	43.32	39.47
5.24082	4.939329	4.94952	4.991504	4.98417	4.968809	5.037629	5.849688	6.541028	6.589057	6.601689
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
0.033641	0.029846	0.027175	0.027142	0.03551	0.03315	0.028085	0.029775	0.034509	0.022882	0.033238
8001.45	8556.75	8755.425	8580.6	8506.8	8701.65	8222.4	8732.025	8863.2	8618.175	7656.75
21.74307	21.828443	21.888562	21.889285	21.70102	21.754125	21.868085	21.775623	21.723529	21.98514	21.75213
8280	8820	9000	8820	8820	9000	8460	9000	9180	8820	7920
22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.44389	22.5	22.5	22.5

0.96	2.73	5.6	3.69	2.78	14.16	0.72			10.04	8.8

0.029103	0.029591	0.0304	0.030663	0.026326	0.033575	0.034308	0.032875	0.026102	0.021352	0.029034
7325.90982	2709.65792	3927.91138	7249.42754	4485.13942	4108.19104	912.32434	600.9322	147.50154	18148.1524	16033.9637
38626.3023	13392.3615	20549.1145	38216.9225	23781.3614	20060.0956	4432.05582	3216.72816	906.826994	92339.9578	83185.8579
3.616613	1.512399	2.160032	3.303201	2.261826	2.004696	1.062523	1.046937	0.530329	4.09355	4.273569
631.364022	572.957078	1771.71316	6690.09683	3633.67993	1349.39374	157.338872	155.894215	133.780942	10845.4309	7904.98847
20722.82	22063.2	22494.72	22038.84	22137.44	22421.06	21059.8	22437.3	23046.3	22250.54	19823.24
56.31201	56.283673	56.2368	56.22153	56.473061	56.05265	56.010106	55.953366	56.486029	56.761581	56.316022
21344	22736	23200	22736	22736	23200	21808	23200	23664	22736	20416
58	58	58	58	58	58	58	57.855361	58	58	58
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
40.685299	17.0389	24.331991	37.28332	25.421196	22.712273	12.076339	11.765014	5.859622	46.220487	48.366689
40.685299	17.0389	24.331991	37.28332	25.421196	22.712273	12.076339	11.765014	5.859622	46.220487	48.366689
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
52442.0481	18701.6436	29175.722	57636.241	33458.7523	29431.7492	5787.47669	4153.32343	1147.75379	126134.124	121250.8
6435.33856	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
52442.0481	18701.6436	29175.722	57636.241	33458.7523	29431.7492	5787.47669	4153.32343	1147.75379	126134.124	121250.8
177.86	130.72	166.74	227.22	193.2	110.08	128.71	106.75	97.43	246.71	224.62
42030.9865	12718.6678	13427.6603	3410.57062	5302.77585	16171.3898	4501.6276	2835.8358	95.989433	44009.9204	49549.1277
47837.4843	14836.4145	16209.6022	4150.99834	6217.45217	19579.9663	4859.59352	3055.94955	104.898292	49920.7828	59851.7551
37.838031	14.642362	14.174738	8.171631	7.981677	18.109096	10.192606	8.361728	0.60351	25.909542	31.444851
710.749102	226.850073	228.920078	59.383237	90.398077	292.897048	80.155586	47.248963	1.456693	775.318133	863.040155
60.002078	57.189164	59.927848	60.852405	60.288679	58.112516	58.429222	61.462813	75.375295	61.272946	61.47547
20.370161	13.702559	23.950205	39.543622	26.504701	19.712868	6.410768	7.990085	6.010815	47.105981	49.746521
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
2.113532	0.733877	1.04255	1.963418	1.214744	1.0904	0.257606	0.159102	0.038382	4.915204	4.836079
6435.33856	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
6435.33856	2641.43292	4695.85467	12210.8001	5214.52876	5254.36128	441.06247	318.025271	86.542398	15273.5943	21767.4612
67.030897	60.829926	188.099921	710.276762	385.781922	143.262951	16.704413	16.551036	14.203306	1151.44187	839.259844
3975.72306	3341.54286	11052.207	42014.8703	22941.4477	8005.99816	844.786623	999.462358	965.221961	66850.6091	49934.2109
11.06	3.44	3.91	2.28	2.73	4.11	1.44	0.91	0.09	17.55	13.66
-6435.3386	-2641.4329	-4695.8547	-12210.8	-5214.5288	-5254.3613	-441.06247	-318.02527	-86.542398	-15273.594	-21767.461
-54272.823	-17477.847	-20905.457	-16361.798	-11431.981	-24834.328	-5300.656	-3373.9748	-191.44069	-65194.377	-81619.216
0.36	0.35	1.4	5.63	3.36	0.76	0.07	0.08	0.17	7.85	4.3
2969.8175	1114.6511	1978.9326	4296.5985	2487.1062	1846.1329	388.1704	285.846	88.9127	10073.8777	8413.3172
0.4	0.02	0.16	0.2	0.13	0.18	0.04	0.06	0.02	0.75	0.53

193.72	9.686	77.488	96.86	62.959	87.174	19.372	29.058	9.686	370.4925	261.8147
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
38626.3023	13392.3615	20549.1145	38216.9225	23781.3614	20060.0956	4432.05582	3216.72816	906.826994	92339.9578	83185.8579
777.78	287.68	417.02	769.66	476.18	436.16	96.86	63.8	15.66	1926.76	1702.3
193.72	9.686	77.488	96.86	62.959	87.174	19.372	29.058	9.686	370.4925	261.8147
46006.7095	16060.2107	24479.8673	45425.4409	28244.2236	24177.388	5346.41422	3835.29816	1061.21139	110860.529	99483.3386
7186.6872	2658.1632	3853.2648	7111.6584	4399.9032	4030.1184	894.9864	589.512	144.6984	18150.0792	16035.666
		0.01				0.08			0.66	1.02
11.051835	11.273555	11.271967	11.18583	11.226342	11.25938	11.188005	11.166519	11.115017	10.787695	10.848071
0.586773	0.484415	0.482255	0.511133	0.499931	0.487614	0.522536	0.530326	0.561388	0.792209	0.73177
0.565245	0.469735	0.46567	0.491443	0.480545	0.469683	0.505625	0.51228	0.543145	0.767456	0.705978
622574.524	722224.251	754886.26	807783.718	787253.458	728383.823	680419.024	811939.914	917877.242	1208827.24	987916.576
2877.50454	3378.86301	3291.23343	2880.6788	2949.14009	3403.82668	3116.77892	3236.30514	3101.13707	4074.85348	3484.6819
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
0.037554	0.03153	0.035075	0.039362	0.039413	0.0377	0.033351	0.03455	0.033602	0.032015	0.034289
254042.238	229870.807	232653.652	238790.262	234170.907	234228.084	235275.305	253097.998	272039.313	357682.108	297448.884
343721.052	310849.578	315603.981	323903.951	317818.751	315573.845	319346.5	343300.711	368498.014	501435.306	416235.5
3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.292899	3.2929
476837.28	431467.506	436690.905	448209.322	439538.793	439646.115	441611.748	475064.942	510617.79	677056.462	563040.993
39313.98	42140.04	42842.67	41799.27	41797.05	42726.12	40344.06	42865.98	43766.19	42118.95	37732.23
106.831467	107.500102	107.106675	106.63079	106.625127	106.8153	107.298031	106.897705	107.270073	107.446301	107.193835
40848	43512	44400	43512	43512	44400	41736	44400	45288	43512	39072
111	111	111	111	111	111	111	110.723192	111	111	111
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
37.825329	38.597042	38.565441	38.351716	38.461131	38.624404	38.260262	38.182869	38.004795	37.630842	37.805519
37.430457	38.146991	38.135514	37.857808	37.987388	38.10709	37.863869	37.794835	37.634937	37.331777	37.532922
869642.691	786804.302	797387.644	819766.272	803610.954	801935.27	805966.545	866654.558	930964.154	1247790.52	1036060.08
814820.551	559584.345	590156.105	686729.237	643105.467	578196.368	633105.694	711689.248	799087.716	1617327.8	1247700.56
-54822.14	-227219.96	-207231.54	-133037.03	-160505.49	-223738.9	-172860.85	-154965.31	-131876.44	369537.282	211640.477
814820.551	559584.345	590156.105	686729.237	643105.467	578196.368	633105.694	711689.248	799087.716	1617327.8	1247700.56
354.18	379.64	385.97	376.57	376.55	384.92	363.46	386.18	394.29	379.45	339.93
238851.608	56270.1214	34004.7137	2178.7036	7113.86578	63747.5962	117891.181	46684.8238	4776.98211	30106.8896	41286.9467
300156.074	65488.32	38973.3933	2287.20544	7596.25144	74212.5335	132922.673	53177.8672	5066.29658	40981.0896	56690.2061

48.544406	29.382172	27.048249	8.68528	13.976045	31.005977	37.658486	21.453802	8.833966	12.974389	17.39041
6635.06237	1562.92913	931.71287	59.505131	194.156321	1783.92367	3248.58607	1289.61788	132.375074	822.89829	1128.91363
26.700118	22.706834	23.46793	25.444096	25.602915	22.353622	25.03485	26.605067	28.397784	40.193174	35.359981
26.411481	22.639319	23.402898	25.439818	25.592158	22.220587	24.900893	26.559306	28.388693	40.182104	35.342562
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
62.74226	52.140678	51.68939	54.550255	53.34051	52.13483	56.124468	56.721311	60.289161	85.187673	78.363619
-187610.02	-347373.43	-328839.6	-257852.7	-282906.62	-346169.92	-295839.25	-287259.63	-274071.39	182576.844	56163.9455
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16454.0896	18876.2169	19744.0431	21324.1949	20715.3237	19070.0083	17854.2139	21455.6281	24465.6029	32570.6697	26455.0804
622574.524	722224.251	754886.26	807783.718	787253.458	728383.823	680419.024	811939.914	917877.242	1208827.24	987916.576
28.64	5.13	4.12	0.25	0.86	5.07	11.12	8.28	0.66	21.57	19.86
54822.1404	227219.958	207231.54	133037.035	160505.487	223738.902	172860.851	154965.31	131876.439	-369537.28	-211640.48
-245333.93	161731.638	168258.146	130749.829	152909.235	149526.368	39938.1777	101787.443	126810.142	-410518.37	-268330.68
223.25	325.98	340.69	347.72	347.52	324.44	280.25	326.46	373.63	290.34	253.76
74015.3046	78866.8208	86004.7351	100981.705	96933.2691	79875.9353	77288.9663	93901.9724	113331.433	109033.001	93699.2401
0.88	0.89	0.91	1.05	0.99	1.05	0.82	0.86	0.89	0.93	0.72
8216.56	8309.93	8496.67	9803.85	9243.63	9803.85	7656.34	8029.82	8309.93	8856.39	6856.56
1002430.57	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
1002430.57	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
820558.332	742317.084	752294.886	772113.273	757357.544	755219.96	760958.249	818365.653	879115.803	1178491.77	979276.493
23089.152	20439.146	20675.756	21383.7	20909.48	20853.932	21102.8	22745.246	24597.978	33393.568	27583.994
8216.56	8309.93	8496.67	9803.85	9243.63	9803.85	7656.34	8029.82	8309.93	8856.39	6856.56
1002430.57	906957.773	918995.708	944581.942	926012.087	924366.289	928944.947	998948.882	1073159.1	1434750.95	1191536.61
40867.799	36177.2884	36596.0881	37849.149	37009.7796	36911.4596	37351.956	40259.0854	43538.4211	60442.3581	49927.0291
77.57	32.95	23.29	3.28	8.4	35.32	60.66	39.11	8.73	23.95	28.05

1065.54	1138.83	1157.1	1140	1143.48	1167.21	1101.66	1165.38	1183.95	1126.44	1023.36
2.895489	2.905178	2.89275	2.908163	2.91704	2.918025	2.929946	2.906184	2.901838	2.873571	2.907272
1104	1176	1200	1176	1176	1200	1128	1200	1224	1176	1056
3	3	3	3	3	3	3	2.992518	3	3	3

11.540606	11.797727	11.761469	11.65065	11.65538	11.82819	11.62473	11.599221	11.497213	11.268157	11.318695
0.694795	0.589165	0.596026	0.627278	0.635725	0.576815	0.660069	0.673185	0.723089	0.850927	0.808215
0.661148	0.368102	0.571666	0.598943	0.60264	0.462886	0.633539	0.636081	0.612777	0.814098	0.769166
305814.48	185170.496	294367.043	299733.751	301440.9	237659.453	302231.635	321784.931	312260.539	399786.711	340653.542
1422.38152	866.780753	1279.30622	1070.87182	1130.95946	1135.72945	1391.58538	1286.91564	1051.35547	1351.61457	1205.12996
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
0.048777	0.048392	0.041575	0.046173	0.050484	0.0503	0.041861	0.053625	0.042671	0.044107	0.049005
119754.043	72556.881	115184.745	117279.413	117833.351	93296.8472	118192.469	125744.926	122220.232	153344.642	130734.641
161826.177	98084.6174	156137.402	158893.407	159918.504	125699.759	160215.823	170644.896	165222.921	214577.767	182820.144
2.4519	2.451899	2.451899	2.451899	2.451899	2.451899	2.451899	2.4519	2.4519	2.5022	2.5022
131956.98	79950.4272	126922.07	129230.186	129840.569	102803.796	130236.282	138558.334	134674.474	169016.465	144095.721
15052.15	10507.05	16484.91	16077.7	15965.04	13781.07	15491.18	16236.8	14853.06	16112.53	14394.25
40.902581	26.803698	41.212275	41.01454	40.727142	34.452675	41.199946	40.490773	36.404558	41.103392	40.892755
15824	16856	17200	16856	16856	17200	16168	17200	17544	16856	15136
43	43	43	43	43	43	43	42.892768	43	43	43
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
30.019836	31.365478	30.577606	30.308893	30.369803	31.568824	30.195609	30.234074	30.305711	29.822484	30.040319
29.440635	30.076832	29.975121	29.705792	29.715165	30.153708	29.642103	29.575523	29.343138	29.37549	29.504353
311402.466	192467.204	299862.666	305460.281	307675.429	247819.427	307265.441	328481.277	321312.152	405298.032	346306.178
351205.375	168542.834	275645.727	312154.438	301911.771	212137.228	298922.628	329341.467	337546.835	637455.188	499910.762
39802.9097	-23924.37	-24216.939	6694.15704	-5763.6586	-35682.199	-8342.8131	860.189891	16234.6824	232157.157	153604.583
351205.375	168542.834	275645.727	312154.438	301911.771	212137.228	298922.628	329341.467	337546.835	637455.188	499910.762
350.05	243.87	383.37	373.9	370.98	320.49	360.26	377.32	345.42	374.71	334.75

28.170925	23.044973	21.048021	25.511522	25.243881	25.421516	25.23062	27.92784	29.073539	43.920427	39.487661
9.578114	11.983386	4.841044	7.398341	8.078041	6.609594	7.316879	8.378352	6.396178	14.932945	9.871915
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
28.429402	15.828418	24.581675	25.754566	25.913545	19.904125	27.242207	27.283316	26.349411	35.006224	33.074147
-22792.528	-61849.852	-84424.005	-54607.792	-67355.151	-84448.461	-70122.017	-64866.683	-47649.833	152003.912	85269.5867
-22792.528	-61849.852	-84424.005	-54607.792	-67355.151	-84448.461	-70122.017	-64866.683	-47649.833	152003.912	85269.5867

10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
305814.48	185170.496	294367.043	299733.751	301440.9	237659.453	302231.635	321784.931	312260.539	399786.711	340653.542
-39802.91	23924.37	24216.9388	-6694.157	5763.65865	35682.1988	8342.81313	-860.18989	-16234.682	-232157.16	-153604.58
-39802.91	23924.37	24216.9388	-6694.157	5763.65865	35682.1988	8342.81313	-860.18989	-16234.682	-232157.16	-153604.58
4.14	7.41	2.8	4.57	3	3.41	2.91	3.64	2.81	3.52	3.2
	0.346938			0.002551	0.1575		0.0025	0.115196		
72219.0881	49153.4933	84725.0593	99458.2797	95011.5041	63061.4796	75756.0386	90172.9336	97165.2319	107206.551	90869.0678
1.21	1.58	1.19	1.24	1.35	2.2	1.09	1.45	1.96	1.17	1.2
5587.9857	7296.7086	5495.6223	5726.5308	6234.5295	10159.974	5033.8053	6696.3465	9051.6132	5511.3201	5652.636
373997.904	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
373997.904	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
293783.157	178035.045	283059.473	288123.592	289759.073	228503.555	290452.105	309203.229	299897.395	383594.232	326915.864
10462.02	6204.74	9832.67	10095.79	10158.11	7961.65	10243.07	10940.61	10750.56	13722.44	11642.1
5587.9857	7296.7086	5495.6223	5726.5308	6234.5295	10159.974	5033.8053	6696.3465	9051.6132	5511.3201	5652.636
373997.904	230392.686	360069.732	366762.231	369266.922	296585.689	369044.644	394208.15	385196.668	485451.276	414641.175
12031.323	7135.451	11307.5705	11610.1585	11681.8265	9155.8975	11779.5305	12581.7015	12363.144	16192.4792	13737.678

4.211604	1.692875	2.957391	5.798597	4.076171	3.106873	0.42	0.56	0.14	7.851219	8.881877
0.004752	0.002533	0.004082	0.012175	0.00489	0.005968	0.000172	0.000227	0.000019	0.015192	0.025661
0.004619	0.002505	0.003945	0.011877	0.004816	0.005715	0.00017	0.00022	0.000019	0.01476	0.025181
24.46962	180.339118	701.58919	9840.1768	3288.27066	1021.19945	13.982948	58.288216		3365.37371	3908.07912
0.110791	0.87787	2.276532	29.667326	10.399348	3.554482	0.059499	0.185527		10.731393	12.908316

85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
0.036263	0.027334	0.028	0.028022	0.030344	0.03265	0.024986	0.030675	0.029767	0.03542	0.026988
1197.8	691.9	1118.1	3312	1333.6	1621.5	44.8	61.6	5.6	4062.5	6278
6224.41129	3223.76439	5848.99617	17731.5697	7147.93153	7806.90112	205.755615	273.676095	32.181137	17445.517	29336.7147
1.564106	0.580172	1.086571	2.139915	1.512519	1.101749	0.135625	0.202426	0.057466	2.512311	3.117705
5.440546	40.589475	135.390505	1840.97955	607.940201	199.32928	3.544088	11.2		760.236482	759.665713
17724.8	19080.9	19410.9	19101.9	19069.6	19225.5	18387.1	19447.1	19717	18925.7	17177.2
48.165217	48.675765	48.52725	48.729336	48.646938	48.06375	48.901861	48.496508	48.32598	48.279846	48.798863
18400	19600	20000	19600	19600	20000	18800	20000	20400	19600	17600
50	50	50	50	50	50	50	49.875311	50	50	50
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
27.529234	13.109417	22.994029	52.895112	29.475686	27.274325	1.89875	2.833966	0.804528	41.361572	65.133992
22.139286	8.193499	15.630616	30.400428	21.269754	15.770749	1.89875	2.833966	0.804528	35.739271	44.597524
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6968.94861	3685.26204	6664.01967	21099.9088	8095.52284	9007.5515	211.806984	283.114527	33.885715	19410.7677	34698.5879
709.407315	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
6968.94861	3685.26204	6664.01967	21099.9088	8095.52284	9007.5515	211.806984	283.114527	33.885715	19410.7677	34698.5879
144.64	203.14	230.84	332.15	282.55	210.97	159.81	116.74	113.08	250.3	274.4
6235.07167	3045.40527	5179.35598	7941.03986	3864.94087	6867.81767	191.772666	215.387879	32.181137	14273.4633	25568.5256
6941.95851	3440.75469	5862.26803	9329.85331	4337.41977	7838.2845	197.633104	223.316221	33.885715	15735.2432	30234.3066
6.251423	2.666266	3.996696	6.138463	4.690509	4.588326	1.073425	1.2	0.4	10.25093	12.893934
84.611389	46.212413	69.293535	102.421106	51.232842	100.260165	2.94685	3.6	0.4	235.018822	389.088163
62.966959	69.383758	74.336855	79.946396	78.064774	78.391374	55.236	75.170544		64.954129	73.816453
0.629669	1.387675	6.657149	29.569397	17.954898	9.705427	0.55236	0.751705		28.42044	35.331275
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
0.230978	0.125255	0.19725	0.593877	0.240816	0.28575	0.00851	0.010972	0.00098	0.73801	1.25909
709.407315	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
709.407315	459.517654	783.074502	3318.69219	942.311308	1118.53438	6.051369	9.438432	1.704577	1771.93067	5221.98312
0.38861	2.887586	9.606464	130.378893	43.167157	14.039834	0.253149	0.8		54.281177	54.111836
24.46962	180.339118	701.58919	9840.1768	3288.27066	1021.19945	13.982948	58.288216		3365.37371	3908.07912
1.38	0.71	1.08	2.28	0.99	1.55	0.08	0.07	0.01	3.57	5.87
-709.40732	-459.51765	-783.0745	-3318.6922	-942.31131	-1118.5344	-6.051369	-9.438432	-1.704577	-1771.9307	-5221.9831
-7651.3658	-3900.2723	-6645.3425	-12648.546	-5279.7311	-8956.8189	-203.68447	-232.75465	-35.590293	-17507.174	-35456.29
		0.1	1.13	0.44	0.17		0.02		0.52	0.43
523.2662	293.5602	619.3183	2327.3324	811.0144	835.1443	18.3627	28.9539	3.3541	2297.4328	3737.467

0.06		0.04	0.05		0.11				0.33	0.18
31.698		26.009	26.415		72.744				187.785	106.95
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
6224.41129	3223.76439	5848.99617	17731.5697	7147.93153	7806.90112	205.755615	273.676095	32.181137	17445.517	29336.7147
85	49.1	78.9	232.8	94.4	114.3	3.2	4.4	0.4	289.3	443.2
31.698		26.009	26.415		72.744				187.785	106.95
6259.54129	3225.74439	5880.94517	17781.2167	7153.21153	7889.01712	205.755615	273.676095	32.181137	17638.837	29476.6047
3.432	1.98	5.94	23.232	5.28	9.372				5.535	32.94
									0.13	0.05

0.01932	0.03625	0.029975	0.043928	0.030255	0.0264	0.022446	0.02725	0.040833	0.039846	0.029488

1443.56	1511.16	1552.04	1499.12	1520.56	1557.76	1470.24	1556.4	1565.36	1505.52	1366.48
3.922717	3.855	3.8801	3.824285	3.878979	3.8944	3.910212	3.881296	3.836666	3.840612	3.882045
1472	1568	1600	1568	1568	1600	1504	1600	1632	1568	1408
4	4	4	4	4	4	4	3.990024	4	4	4

10.463026	10.706095	10.695544	10.586839	10.620319	10.709983	10.584955	10.562274	10.508965	10.223994	10.274303
0.478857	0.34349	0.346163	0.38049	0.379667	0.3496	0.402801	0.428251	0.46938	0.711933	0.652322
0.45296	0.245341	0.328856	0.358765	0.356469	0.329315	0.379689	0.407423	0.445939	0.67987	0.617979
332112.637	196873.87	270895.78	287321.491	285344.381	269235.041	289492.963	329866.111	364686.929	530559	434895.719
1542.06859	916.971239	1156.62805	1004.59367	1054.03597	1251.51179	1328.35705	1311.33359	1227.87557	1789.98119	1538.4541
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
0.05576	0.063545	0.0528	0.057525	0.063571	0.060299	0.061462	0.050275	0.051372	0.048316	0.055369
101039.713	59727.2134	81901.7395	86843.1566	86287.2839	81974.2481	87566.4313	99729.9908	110474.788	157674.698	129408.567
136703.134	80862.8535	111702.689	118443.457	117542.348	110244.976	119389.171	135899.914	149742.682	220865.534	180772.469
3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.2387	3.3047	3.3047
190833.706	112806.788	154687.815	164020.67	162970.793	154824.762	165386.719	188360.034	208653.732	300322.997	246484.497
20307.244	16313.654	22202.368	21649.77	21510.888	22026.568	20679.354	22261.554	22680.544	21861.316	19485.086

55.182728	41.616464	55.505919	55.229005	54.874714	55.066419	54.998281	55.515097	55.589568	55.768663	55.355357
21564.8	22971.2	23440	22971.2	22971.2	23440	22033.6	23440	23908.8	22971.2	20627.2
58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.453865	58.599999	58.599999	58.6
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
38.424816	44.052727	40.162408	39.074838	39.822828	39.75834	40.112902	38.41975	38.710864	36.921617	37.343702
34.471094	35.261104	35.216058	34.866349	34.973384	35.280343	34.859136	34.785899	34.624355	34.386819	34.554219
361791.086	238265	302362.502	318541.025	316558.927	298324.666	322811.781	357128.622	398205.905	560261.007	461188.353
369678.132	172979.085	245801.808	290303.313	276639.73	236611.244	272775.931	321522.413	367801.728	775094.588	592278.915
7887.04589	-65285.915	-56560.694	-28237.712	-39919.197	-61713.422	-50035.85	-35606.209	-30404.177	214833.581	131090.563
369678.132	172979.085	245801.808	290303.313	276639.73	236611.244	272775.931	321522.413	367801.728	775094.588	592278.915
346.42	278.39	378.88	369.45	367.08	375.88	352.89	379.89	387.04	373.06	332.51
1187.31911	120.891141	42.6814	4.98801		389.002302	218.828795	28.342976			9.563478
1487.37956	123.462573	41.45831	4.590964		435.898804	233.033736	26.482817			11.224547
5.759632	1.586101	0.799836	0.13		3.721318	2.561306	0.756155			0.25322
34.690065	3.344716	1.169136	0.13		11.514792	6.136735	0.756155			0.25322
28.552333	24.513126	24.759602	26.039836	26.206007	23.436233	26.036639	27.733041	29.743321	41.282042	38.844502
26.761873	18.866863	20.052078	23.175454	22.799226	21.996534	23.416741	23.845938	26.471556	36.741017	34.941519
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194
26.543461	14.37703	19.271005	21.023658	20.889137	19.2979	22.249829	23.815486	26.132083	39.840433	36.213619
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9733.30393	5632.45128	7707.23286	8241.144	8188.542	7707.64521	8359.79926	9549.25384	10661.89	15617.45	12746.9408
332112.637	196873.87	270895.78	287321.491	285344.381	269235.041	289492.963	329866.111	364686.929	530559	434895.719
0.16	0.01				0.01	0.04				0.01
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19.77	13.82	21.71	22.05	23.8	22.88	18.82	21.32	21.04	18.86	17.4
0.002717	0.242346									
67134.2136	51910.8702	78885.1003	92493.4561	88263.7743	72695.4036	68794.5129	86317.4423	102727.976	100279.18	85666.6581
1.36	1.97	1.5	1.49	1.49	1.37	1.58	1.3	1.6	1.39	1.23
28491.1296	41270.2392	31424.04	31214.5464	31214.5464	28700.6232	33099.9888	27234.168	33518.976	29702.0065	26283.0705
414604.544	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
414604.544	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
327536.84	193669.641	266390.505	282464.127	280513.141	265069.739	284775.89	324259.948	358396.414	521188.53	427256.966
9767.994	5635.796	7708.402	8241.274	8188.542	7719.16	8365.936	9550.01	10661.89	15617.45	12747.194

28491.1296	41270.2392	31424.04	31214.5464	31214.5464	28700.6232	33099.9888	27234.168	33518.976	29702.0065	26283.0705
414604.544	269484.415	345172.541	363933.943	361661.291	341172.606	368582.755	409257.488	455951.076	642677.571	528830.211
5763.11646	3325.11964	4547.95718	4862.35166	4831.23978	4554.3044	4935.90224	5634.5059	6290.5151	9370.47	7648.3164
0.82	0.21	0.08	0.01		0.25	0.26	0.07			0.02
1.65	1.5	2.1	5.25	2.7	3		0.15		4.95	7.2
0.002521	0.001639	0.003058	0.009838	0.003263	0.004479		0.00005		0.00925	0.01943
0.002445	0.001607	0.00295	0.009693	0.003086	0.004125		0.00005		0.009005	0.018721
	33.308495	88.257065	1518.64548	399.531242	177.550783				179.168736	395.61146
	0.172084	0.281347	4.510269	1.264138	0.595937				0.588638	1.307837
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26
0.030679	0.038698	0.027925	0.028801	0.030841	0.038175	0.027632	0.0276	0.019975	0.020178	0.03017
189	132.3	247.8	798	254.1	346.5		4.2		741.3	1383.9
996.431702	616.444737	1305.26607	4298.99702	1367.46266	1654.24345		16.249538		3015.79904	6238.71619
0.587967	0.485589	0.718361	1.84043	0.942796	0.991667		0.038689		1.397396	2.289158
	7.134457	16.73736	282.988168	74.196728	35.168501				43.39104	79.405431
4993.94	5275.62	5443.62	5329.94	5318.74	5386.22	5118.54	5445.44	5597.9	5377.26	4779.32
13.570489	13.458214	13.60905	13.596785	13.568214	13.46555	13.613138	13.57965	13.720343	13.7175	13.577613
5152	5488	5600	5488	5488	5600	5264	5600	5712	5488	4928
14	14	14	14	14	14	14	13.965087	14	14	14
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26
8.969508	7.283842	10.775425	27.713596	14.141949	15.14397		0.58034		22.354204	35.79298
8.969508	7.283842	10.775425	27.713596	14.141949	15.14397		0.58034		22.354204	35.79298
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345		16.249538		3152.29904	6385.71619
1107.91456	706.557771	1482.59503	5061.03491	1547.97664	1871.27965		16.830037		3351.86783	7376.25652
100.982857	90.113033	177.328961	751.53789	180.513984	175.036197		0.580498		199.568795	990.540335
1107.91456	706.557771	1482.59503	5061.03491	1547.97664	1871.27965		16.830037		3351.86783	7376.25652
71.97	115.89	130.85	186.07	147.53	105.04	88.62	61.88	66.98	123.67	139.93
1006.9317	583.136242	1217.009	2790.85154	967.931416	1518.69267		16.249538		2973.1303	5990.10473
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1.54	1.334789	1.752087	4.101289	2.203627	2.664458		0.14		4.47532	6.397141
12.6	8.344369	15.404175	34.334122	11.993551	20.755433		0.28		46.527263	86.966304
	70.030188	82.334668	82.966366	85.069968	78.874594				64.795987	79.07377
	0.700301	3.293386	19.082264	8.506996	3.154983				5.831638	11.070327
12.6	8.82	16.52	53.2	16.94	23.1		0.28		49.42	92.26

0.034239	0.0225	0.0413	0.135714	0.043214	0.05775	0.000698	0.126071	0.262102		
100.982857	90.113033	177.328961	751.53789	180.513984	175.036197	0.580498	199.568795	990.540335		
100.982857	90.113033	177.328961	751.53789	180.513984	175.036197	0.580498	199.568795	990.540335		
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	33.308495	88.257065	1518.64548	399.531242	177.550783		179.168736	395.61146		
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		0.04	0.56	0.23	0.05		0.18	0.26		
206.4637	137.1573	309.6496	1236.1986	368.4007	405.8586	4.8056	1070.1815	1917.06		
0.01			0.01		0.04		0.13	0.14		
10.5			10.5		42		136.5	147		
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345	16.249538	3152.29904	6385.71619		
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345	16.249538	3152.29904	6385.71619		
996.431702	616.444737	1305.26607	4298.99702	1367.46266	1654.24345	16.249538	3015.79904	6238.71619		
12.6	8.82	16.52	53.2	16.94	23.1	0.28	49.42	92.26		
10.5			10.5		42		136.5	147		
1006.9317	616.444737	1305.26607	4309.49702	1367.46266	1696.24345	16.249538	3152.29904	6385.71619		
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11.022148	11.25879	11.268686	11.170219	11.198417	11.253148	11.165795	11.136774	11.059313	10.743926	10.814143
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0.327142	0.226716	0.263751	0.28336	0.276878	0.252712	0.288429	0.294908	0.3073	0.451685	0.419527
1264501.83	1107823.81	1331991.14	1448212.65	1400667.99	1244483.07	1273002.39	1464648.71	1595789.93	2209568.1	1817703.74
5859.55815	5178.16077	5767.36174	5120.05049	5220.84461	5825.07046	5840.27794	5838.41266	5383.28938	7444.5499	6412.56439
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
0.035541	0.03563	0.034018	0.036785	0.03477	0.035859	0.031854	0.034972	0.03321	0.033418	0.033698
483548.704	365688.76	435033.948	454272.26	444364.381	415575.371	441991.33	479239.646	504887.434	691653.4	581287.955
688097.508	507029.62	611147.45	661488.304	627576.359	581039.821	603589.306	653352.175	684402.625	1049679.88	898589.402
3.068372	3.088228	3.044036	3.073238	3.0463	3.075768	3.024424	3.028371	3.042237	3.164343	3.177065
799627.967	624224.721	718300.791	741460.178	732350.155	697274.673	737234.749	801983.309	853945.995	1146395.92	953621.211
636.804569	620.681011	1923.84103	8814.06455	4315.81686	1583.89152	160.882961	167.094215	133.780942	11649.0585	8744.05962
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367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
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1446.08	1354.38	1682.25	1869.05	1740.67	1521.54	1454.47	1428.76	1404.24	1757.94	1654.94
289311.917	72738.2219	53871.4203	16326.1536	17249.5139	88694.4987	122803.41	49780.64	4905.15268	91363.4036	122404.268
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7477.71293	1847.6807	1246.4998	255.773597	347.780792	2209.35111	3337.82525	1341.503	134.231768	1879.76251	2468.26147
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30.48947	25.701686	29.915685	39.089214	33.644673	28.20813	26.55354	28.289368	29.800908	46.540615	46.469201
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
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41.92	9.77	9.8	6.32	5.18	11.76	12.68	9.28	0.76	45.53	43.33
-113.54392	313239.179	282352.914	138299.56	199850.988	314586.591	230792.4	189383.285	145957.686	-833773.11	-524315.61
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247.52	347.56	366.74	381.66	378.35	351.71	302.05	351.52	397.65	321.27	279.35
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3.92	4.46	3.8	4.04	3.96	4.95	3.53	3.67	4.47	4.7	4
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
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44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
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78.39	33.16	23.38	3.29	8.4	35.57	61	39.18	8.73	24.81	29.17
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
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246.96	348.42	366.07	382.05	378.02	351.87	301.85	350.48	397.87	319.24	277.88
145.893336	162.00941	199.94874	247.509012	232.135786	194.563487	162.709006	191.959388	235.738274	209.696409	208.743946
63.91471	81.308016	86.014327	130.222634	122.98739	83.265875	77.908408	97.458352	125.267213	82.345592	89.308196
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2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2704172.82	2543083.92	3018223.19	4257450.64	3931282.56	2619901.47	2635709.56	3552515.1	4723656.6	6020016.46	4721209.15
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932
1554.39177	2632.42756	2919.22283	4273.43305	4102.74847	2628.92552	2248.84206	3179.09786	4240.29471	3086.4826	2588.42838
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79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932
246.96	348.42	366.07	382.05	378.02	351.87	301.85	350.48	397.87	319.24	277.88
145.893336	162.00941	199.94874	247.509012	232.135786	194.563487	162.709006	191.959388	235.738274	209.696409	208.743946
63.91471	81.308016	86.014327	130.222634	122.98739	83.265875	77.908408	97.458352	125.267213	82.345592	89.308196

16289.7145	28538.8036	31762.5308	49894.0985	46702.3085	29618.4585	23835.5029	34689.3656	50114.2061	27867.314	25998.8621
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2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2704172.82	2543083.92	3018223.19	4257450.64	3931282.56	2619901.47	2635709.56	3552515.1	4723656.6	6020016.46	4721209.15
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22

401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	380190.127	398523.981	367927.948
1871.48215	1841.86496	1454.75147	925.356798	942.521975	1521.79206	1546.51215	1475.23054	1296.10085	1351.81461	1303.51802
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
250361.352	192763.803	167128.16	142872.828	137437.229	157044.944	182593.74	210227.329	228251.509	371657.013	295655.178
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
22.989985	21.052443	17.152359	13.581835	13.288088	16.850392	18.766055	19.262993	19.686578	21.870041	21.206124
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8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8011.99254	8095.60168	7464.55566
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	380190.127	398523.981	367927.948
151080.586	198820.06	158423.633	109754.751	109726.524	162775.499	152215.212	156298.321	152909.813	50030.4199	72272.7701
151080.586	198820.06	158423.633	109754.751	109726.524	162775.499	152215.212	156298.321	152909.813	50030.4199	72272.7701
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566

401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
8460.31481	8252.55771	6860.94399	5324.07965	5208.93053	6740.15686	7056.03691	7724.46048	8032.12392	8573.0564	7464.55566
250361.352	192763.803	167128.16	142872.828	137437.229	157044.944	182593.74	210227.329	228251.509	371657.013	295655.178
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401441.938	391583.863	325551.792	252627.579	247163.754	319820.443	334808.952	366525.65	381161.322	421687.433	367927.948
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	363793.833	379734.34	350459.299
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9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
281119.085	216546.352	187973.3	160410.915	154321.901	176568.153	205365.685	236216.79	256500.833	417625.859	332167.078
21.469593	23.454842	21.892746	27.190533	24.549755	24.307606	30.233055	36.676013	21.840606	49.270503	39.450786
0.644087	3.987323	0.437854	1.631431	0.736492	2.43076	0.906991	0.36676	2.18406	1.478115	0.789015
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
25.811674	23.647785	19.30304	15.241613	14.917531	18.946373	21.107866	21.645189	22.125452	24.575746	23.824431
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9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9004.50215	9097.14691	8386.20002
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	363793.833	379734.34	350459.299
102628.244	157958.903	123963.84	80967.4731	81924.055	129605.24	115271.244	114443.933	108228.962	-15779.65	18292.2205
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0.17	1.51	0.08	0.73	0.07	0.96	0.27	0.02	0.86	0.39	0.15
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
9498.69627	9269.93207	7721.21635	5974.71258	5847.67217	7578.54934	7936.55765	8679.72086	9027.18481	9633.69246	8386.20002
281119.085	216546.352	187973.3	160410.915	154321.901	176568.153	205365.685	236216.79	256500.833	417625.859	332167.078
-102628.24	-157958.9	-123963.84	-80967.473	-81924.055	-129605.24	-115271.24	-114443.93	-108228.96	15779.6498	-18292.22
383747.329	374505.256	311937.141	241378.388	236245.956	306173.393	320636.929	350660.723	364729.795	401846.209	350459.299
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
963.42594	781.379574	931.494878	747.011875	746.68997	767.245738	589.64856	601.665347	629.617491	624.747192	627.843893

4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
117415.169	74731.9242	98008.0071	106260.673	100482.931	73708.3002	63237.2572	78970.0669	101878.713	156004.663	135644.725
4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
10.929946	8.275378	10.184633	10.166839	9.768732	7.863501	6.588953	7.273096	8.850861	9.191216	9.825023
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4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
88643.1697	91455.5477	110695.51	97911.417	95694.3102	87430.58	63682.3201	70442.8263	83120.5749	28574.8211	41529.5347
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78403.5258	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
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4022.22016	3243.94831	4073.85354	3985.40094	3829.34299	3145.40075	2477.44636	2916.51168	3611.15143	3602.95695	3458.40834
117415.169	74731.9242	98008.0071	106260.673	100482.931	73708.3002	63237.2572	78970.0669	101878.713	156004.663	135644.725
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206058.339	166187.472	208703.517	204172.09	196177.241	161138.88	126919.577	149412.893	184999.288	184579.484	177174.259
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	336604.28	389463.981	252286.247
1784.16932	1494.35333	1505.1582	994.023548	1038.76257	1534.80499	1718.42016	1420.23181	1157.07588	1332.15986	899.629317
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
128003.901	83064.7037	89642.3409	78998.9702	79392.1419	84651.3976	108646.181	108455.506	107934.143	195899.945	110532.293
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
11.892791	9.273475	9.573684	7.886065	7.940416	9.214125	11.282351	10.065208	9.495235	11.810566	8.021514
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4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3861.34284	4362.61097	2823.57299
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	336604.28	389463.981	252286.247
253499.734	233815.877	244172.894	190472.945	191936.987	236626.715	261143.257	243375.553	229795.039	217185.17	141753.954

253499.734	233815.877	244172.894	190472.945	191936.987	236626.715	261143.257	243375.553	229795.039	217185.17	141753.954
79364.3262	83644.0373	91555.8138	108790.28	104196.769	85363.6254	82021.7486	99941.8711	120495.451	116144.806	99874.3856
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
4376.54738	3635.20226	3829.47384	3091.33779	3112.64344	3685.65002	4242.16403	4036.14843	3874.05607	4629.74215	2823.57299
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381503.635	316880.581	333815.234	269471.915	271329.128	321278.112	369789.439	351831.059	337729.182	413085.115	252286.247
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1265587.53	1352301.79	1147847.75
6407.96058	5879.10321	5285.55272	3550.46962	3628.83552	5280.75851	5335.81722	4908.52995	4323.08389	4596.81785	4072.59908
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
776899.507	567106.783	542751.808	488543.387	471634.203	491972.795	559842.863	633869.691	694565.198	1141187.48	873999.274
21.469593	23.454842	21.892746	27.190533	24.549755	24.307606	30.233055	36.676013	21.840606	49.270503	39.450786
0.644087	3.987323	0.437854	1.631431	0.736492	2.43076	0.906991	0.36676	2.18406	1.478115	0.789015
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
71.624398	62.249082	56.213719	46.876354	45.914768	52.874392	57.745225	58.246487	60.158127	67.447571	62.877093
-595851.73	-682050.39	-637255.88	-479106.59	-479281.88	-616438.03	-592312.03	-584560.63	-574054.39	-280010.76	-273848.48
-595851.73	-682050.39	-637255.88	-479106.59	-479281.88	-616438.03	-592312.03	-584560.63	-574054.39	-280010.76	-273848.48
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24488.989	25158.3165	22132.737
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1265587.53	1352301.79	1147847.75
595851.733	682050.389	637255.877	479106.586	479281.876	616438.034	592312.034	584560.633	574054.389	280010.761	273848.48
595851.733	682050.389	637255.877	479106.586	479281.876	616438.034	592312.034	584560.633	574054.389	280010.761	273848.48
0.17	1.51	0.08	0.73	0.07	0.96	0.27	0.02	0.86	0.39	0.15
316496.504	334798.173	366748.174	435161.12	416787.075	342365.125	328086.994	399969.021	481981.805	464579.224	399497.542
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
776899.507	567106.783	542751.808	488543.387	471634.203	491972.795	559842.863	633869.691	694565.198	1141187.48	873999.274

-595851.73	-682050.39	-637255.88	-479106.59	-479281.88	-616438.03	-592312.03	-584560.63	-574054.39	-280010.76	-273848.48
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
11.022148	11.25879	11.268686	11.170219	11.198417	11.253148	11.165795	11.136774	11.059313	10.743926	10.814143
0.340727	0.255309	0.273719	0.294691	0.288427	0.268452	0.299227	0.306286	0.32288	0.467195	0.435608
0.327142	0.226716	0.263751	0.28336	0.276878	0.252712	0.288429	0.294908	0.3073	0.451685	0.419527
2364981.05	1978371.79	2328409.02	3054512.05	2828746.46	2041597.54	2138776.91	2753423.49	3463423.63	5093420.15	3977334.22
2976444.84	2921693.11	3201812.99	3618801.22	3454120.17	2931197.82	2922089.94	3482170.64	4121610.44	4488466.19	3709426.42
13821.9105	13689.6915	13972.1373	12943.9532	12952.4286	13734.7545	13424.9372	13926.0405	13946.668	15127.8504	13073.5918
-8812.0016	-26691.123	-30516.031	-49638.325	-46354.528	-27409.107	-20497.678	-33347.863	-49924.447	-24706.42	-23530.601
3736227.69	3979894.72	4061117.06	3979894.72	3979894.72	4061117.06	3817450.03	4061117.06	4142542.46	4059492.61	3645258.67
0.035541	0.03563	0.034018	0.036785	0.03477	0.035859	0.031854	0.034972	0.03321	0.033418	0.033698
483548.704	365688.76	435033.948	454272.26	444364.381	415575.371	441991.33	479239.646	504887.434	691653.4	581287.955
688097.508	507029.62	611147.45	661488.304	627576.359	581039.821	603589.306	653352.175	684402.625	1049679.88	898589.402
3.068372	3.088228	3.044036	3.073238	3.0463	3.075768	3.024424	3.028371	3.042237	3.164343	3.177065
799627.967	624224.721	718300.791	741460.178	732350.155	697274.673	737234.749	801983.309	853945.995	1146395.92	953621.211
636.804569	620.681011	1923.84103	8814.06455	4315.81686	1583.89152	160.882961	167.094215	133.780942	11649.0585	8744.05962
129697.744	127730.504	141498.723	138340.94	138124.748	138166.488	132970.834	141301.719	142468.134	139041.951	124467.306
352.439521	325.843122	353.746807	352.910561	352.359051	345.41622	353.645835	352.373364	349.186602	354.698854	353.600301
135092.8	143903.2	146840	143903.2	143903.2	146840	138029.6	146840	149776.8	143903.2	129219.2
367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.184538	367.099999	367.099999	367.099999
44194.546	32625.282	38729.268	40776.424	39843.652	37108.302	39811.866	43304.346	46026.488	64998.938	54211.048
183.454026	151.447408	167.406903	225.627478	177.692595	175.082139	122.543863	122.016016	113.685522	214.311208	254.483204
35.291276	36.269569	35.73527	35.8094	35.541751	36.081833	35.143132	35.085053	35.007358	35.571448	35.940752
1596109.43	1237438.91	1431278.89	1511283.73	1464610.21	1381842.01	1441595.94	1556389.68	1651575.6	2345001.22	1978900.27
1596222.97	924199.727	1148925.98	1372984.17	1264759.22	1067255.42	1210803.54	1367006.4	1505617.92	3178774.33	2503215.88
79364.3262	83718.0452	91730.7867	108790.28	104196.769	85667.1664	82021.7486	100009.05	120495.451	116144.806	99874.3856
113.543918	-313239.18	-282352.91	-138299.56	-199850.99	-314586.59	-230792.4	-189383.28	-145957.69	833773.114	524315.608
2373122.48	1491306.51	1691677.78	1861527.56	1736393.42	1559228.22	1770646.4	2000876.09	2200183.12	4319961.81	3377215.15
1446.08	1354.38	1682.25	1869.05	1740.67	1521.54	1454.47	1428.76	1404.24	1757.94	1654.94
289311.917	72738.2219	53871.4203	16326.1536	17249.5139	88694.4987	122803.41	49780.64	4905.15268	91363.4036	122404.268
24.282088	20.110318	20.804516	22.561321	22.187388	20.059438	21.765163	22.739519	23.597132	33.725911	31.160295
339191.767	564712.13	689814.164	1202938.59	1102536.1	578303.93	496932.648	799091.609	1260232.98	926596.306	743874.932

246.96	348.42	366.07	382.05	378.02	351.87	301.85	350.48	397.87	319.24	277.88
145.893336	162.00941	199.94874	247.509012	232.135786	194.563487	162.709006	191.959388	235.738274	209.696409	208.743946
5.326225	6.775668	7.16786	10.851886	10.248949	6.938822	7.79084	8.85985	12.526721	6.862132	7.442349
16,289.71	28,538.80	31,762.53	49,894.10	46,702.31	29,618.46	23,835.50	34,689.37	50,114.21	27,867.31	25,998.86
357530.811	84548.7617	62470.2787	19034.766	19244.9811	103726.673	138212.933	56500.4459	5205.08059	109795.645	153723.668
8.848743	4.356496	4.314025	2.780427	2.795197	5.389791	5.148582	2.901062	0.983747	5.321759	6.772791
7,477.71	1,847.68	1,246.50	255.77	347.78	2,209.35	3,337.83	1,341.50	134.23	1,879.76	2,468.26
30.544047	25.544582	29.899899	38.973032	33.640559	28.320743	26.655841	28.332949	29.689766	46.554548	46.494293
30.390295	25.507587	29.851777	38.966425	33.629325	28.125447	26.579073	28.309398	29.681307	46.487022	46.453769
-8812.0016	-26691.123	-30516.031	-49638.325	-46354.528	-27409.107	-20497.678	-33347.863	-49924.447	-24706.42	-23530.601
-23.945656	-68.089599	-76.290077	-126.62838	-118.25135	-68.522768	-54.5151	-83.161752	-122.36384	-63.026581	-66.848297
-6945143.7	-7142854.4	-7533760	-7883323.4	-7716869	-7247784.4	-7009860	-7838634.5	-8589802.8	-8948680.7	-7663579.2
-87.534042	-85.327573	-82.167138	-72.499181	-74.096374	-84.667154	-85.478016	-78.388848	-71.317147	-77.053884	-76.749265
-6945143.7	-7142854.4	-7533760	-7883323.4	-7716869	-7247784.4	-7009860	-7838634.5	-8589802.8	-8948680.7	-7663579.2
63074.6117	55179.2416	59968.2559	58896.1814	57494.4603	56048.7079	58186.2457	65319.6844	70381.2452	88277.492	73875.5235
2637253.07	2356980.98	2511998.82	2415862.63	2351584.07	2352893.89	2425157.29	2683079.03	2861377.46	3561869.89	2965551.49
6696946.94	6953556.07	7309134.87	7651812.91	7487774.04	7033739.22	6779331.38	7588484.46	8325978.16	8599150.41	7372125.76
6678607.89	7433719.44	7936478.76	8835716.74	8571065.16	7508316.48	7138051.09	8331075.63	9581006.05	9415951.07	7962277.03
0.000247	0.053571			0.000231	0.014318		0.000227	0.010472		
612928.984	599992.771	711001.756	844744.969	804858.913	646752.245	632354.794	770690.025	915794.165	910684.254	783674.738
3.92	4.46	3.8	4.04	3.96	4.95	3.53	3.67	4.47	4.7	4
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
9318266.19	8634160.95	9225437.83	9744851.01	9453262.45	8807012.66	8780506.35	9839510.61	10789985.9	13268642.5	11040794.3
5582038.49	4654266.23	5164320.77	5764956.29	5473367.74	4745895.6	4963056.32	5778393.55	6647443.45	9209149.86	7395535.63
1487725.47	1131254.34	1329448.24	1402948.48	1359926.51	1278314.49	1340824.05	1455335.48	1538348.62	2196075.8	1852210.61
70552.3246	57026.9223	61214.7557	59151.955	57842.2411	58258.059	61524.071	66661.1874	70571.0042	91438.386	76343.785
42531.5933	56886.5638	45519.8293	46878.7022	46755.6649	48866.3652	45809.5061	41989.3925	50890.2052	44764.4941	39308.0312
5582038.49	4654266.23	5164320.77	5764956.29	5473367.74	4745895.6	4963056.32	5778393.55	6647443.45	9209149.86	7395535.63
65852.3577	49298.0023	56310.8206	61456.5496	57928.0291	54661.1519	54962.3751	59064.8048	62336.7786	104160.921	87381.6295
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75
26357.7786	24401.6403	22485.4877	18375.531	17998.5891	21149.757	21712.205	23356.8414	24544.5162	26439.448	22132.737
776899.507	567106.783	542751.808	488543.387	471634.203	491972.795	559842.863	633869.691	694565.198	1141187.48	873999.274
-595851.73	-682050.39	-637255.88	-479106.59	-479281.88	-616438.03	-592312.03	-584560.63	-574054.39	-280010.76	-273848.48
1372751.24	1249157.17	1180007.68	967649.973	950916.079	1108410.83	1152154.9	1218430.32	1268619.59	1421198.24	1147847.75

2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
-4225186.2	-3810952.2	-4225186.2	-3976645.8	-4059492.6	-4225186.2	-3976645.8	-3893799	-4308033	-4059670.8	-4297883.9
-4225186.2	-3810952.2	-4225186.2	-3976645.8	-4059492.6	-4225186.2	-3976645.8	-3893799	-4308033	-4059670.8	-4297883.9
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89

32.326503	30.52651	24.136495	25.196456	27.896449	27.326501	24.056575	26.676516	28.066528	29.296468	45.576331
25.732935	25.732953	25.732935	25.732953	25.732917	25.73288	25.732898	25.733045	25.732917	25.733045	26.247649
32.201986	30.40199	24.011981	25.071958	27.771954	27.201985	23.932029	26.551994	27.942001	29.171965	45.451884
32.297768	30.497774	24.107761	25.167726	27.867719	27.297766	24.027833	26.64778	28.037791	29.267737	45.547612
31.579401	29.779391	23.389413	24.449469	27.149479	26.579404	23.309298	25.929382	27.319365	28.549451	44.829648
31.85717	30.057166	23.667174	24.727195	27.427198	26.857171	23.587131	26.207163	27.597156	28.827188	45.107261
32.278611	30.478618	24.088605	25.148572	27.848566	27.27861	24.008672	26.628623	28.018633	29.248582	45.528466
32.316924	30.516931	24.126917	25.186879	27.886872	27.316923	24.046994	26.666937	28.056949	29.286891	45.566758

23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	23.710545	24.184756
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.44
32.02	30.22	23.83	24.89	27.59	27.02	23.75	26.37	27.76	28.99	45.27
5.937984	5.370316	5.066225	5.081491	5.123318	5.106054	5.099437	5.165698	6.01133	6.707851	6.881099
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
26.138319	24.891016	20.605671	21.313603	23.117085	22.735653	20.555118	22.307307	23.304434	24.182477	35.135955
0.028921	0.032472	0.029485	0.025937	0.029107	0.030784	0.035104	0.025638	0.032548	0.036607	0.032058
8914.5	8011.125	8909.325	8415.9	8563.275	8897.4	8336.7	8243.1	9055.35	8497.125	8885.7
21.902948	21.769361	21.83658	21.916406	21.845089	21.807352	21.710156	21.923138	21.715467	21.676339	21.778676
9180	8280	9180	8640	8820	9180	8640	8460	9360	8820	9180
22.555282	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.446043	22.5	22.5

4.12	3.84	4.4		6.82	4.08	13.81	0.8		5.44	7.72

6.40492	6.31073	2.91989	4.05017	6.40492	4.52112	4.05017	1.50704	1.8838	0.9419	7.535199
0.019938	0.032831	0.012905	0.022518	0.038065	0.02445	0.019964	0.003661	0.002665	0.00101	0.090513
0.019362	0.031875	0.012573	0.021848	0.036862	0.023725	0.019192	0.003537	0.00262	0.000943	0.08875
7418.65706	18502.7621	4032.62417	12985.7387	45342.0036	29938.7065	7071.13823	554.259303	1593.27544	1280.27625	82862.279
27.214941	81.439211	17.606529	44.050801	138.426317	93.999748	26.745278	2.307204	5.831951	3.872596	265.55744
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18

0.029754	0.03663	0.026985	0.027291	0.034795	0.031225	0.028697	0.028882	0.032427	0.028596	0.021544
4315.7858	6408.12246	2802.52926	4583.47378	7894.0639	5288.20336	4026.24574	726.58166	595.46918	202.13174	19781.5954
23039.7412	34451.136	14098.9714	24420.1197	41946.4831	28308.6716	20823.4316	3850.17089	3438.29122	1249.33591	103094.485
3.643512	3.593838	1.569881	2.266473	3.559944	2.488618	2.213599	0.834086	1.193167	0.635239	4.258866
1146.91523	2896.3863	661.592335	2048.05168	7168.32228	4700.21171	1148.55997	97.331633	232.372603	176.594359	13251.4454
22959.88	20562.16	23025.42	21664.16	21944.88	22925.08	21632.84	21178.12	23345.58	22085.82	23154.18
56.412481	55.875434	56.434852	56.417083	55.981836	56.188921	56.33552	56.324787	55.984604	56.341377	56.750441
23664	21344	23664	22272	22736	23664	22272	21808	24128	22736	23664
58.142506	58	58	58	58	58	58	58	57.860911	58	58
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
41.24114	40.403914	17.742042	25.481561	40.072382	28.056376	25.104941	9.475129	13.175615	6.965879	48.111809
41.24114	40.403914	17.742042	25.481561	40.072382	28.056376	25.104941	9.475129	13.175615	6.965879	48.111809
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
31004.1914	47590.8469	19523.0139	35230.6114	62635.0529	40203.8795	30576.7806	4915.00756	4419.91232	1567.57164	141509.993
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
31004.1914	47590.8469	19523.0139	35230.6114	62635.0529	40203.8795	30576.7806	4915.00756	4419.91232	1567.57164	141509.993
183.81	169.33	101.28	155.36	238.33	199.8	118.95	132.42	108.39	90.72	243.8
20110.2247	22495.4939	12898.8134	16072.6803	4578.41981	3742.70819	17858.0049	4047.26989	2455.36788	181.092656	40823.0707
22704.1076	26057.264	14882.0462	19294.5029	5701.68298	4293.67909	21895.25	4297.99382	2683.89955	200.321273	46187.9516
32.19451	26.63538	15.15332	15.489467	9.393722	7.854837	19.076347	8.863403	8.272295	0.874118	24.423216
336.433864	372.83535	227.299811	269.181664	77.050814	62.426122	305.519245	66.806457	38.549376	2.711262	693.295468
62.870405	62.881201	58.49178	60.946389	62.973178	61.667363	59.621742	54.968896	66.209249	72.019947	62.725002
35.669035	38.832585	15.196212	25.59093	42.798247	29.5905	21.411215	3.831696	11.895173	7.171315	49.503326
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
1.125798	1.84875	0.729264	1.267239	2.13801	1.376078	1.113177	0.205159	0.151606	0.054744	5.1475
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
3475.30971	6592.59092	2591.57629	6172.19241	12714.6294	6522.46489	5647.63747	313.478372	371.269005	106.202731	17824.6431
121.766135	307.504649	70.240188	217.438335	761.049185	499.013877	121.940754	10.333542	24.670623	18.748737	1406.88453
7418.65706	18502.7621	4032.62417	12985.7387	45342.0036	29938.7065	7071.13823	554.259303	1593.27544	1280.27625	82862.279
5.23	6.77	3.51	4.51	2.24	2.31	4.29	1.18	0.82	0.16	16.79
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0.85	2.67	0.52	1.21	6.76	4.65	0.74	0.11	0.16	0.21	10.65
2079.1528	2675.6203	1174.0834	2303.2581	4717.3751	3063.1617	1791.844	303.5488	290.3601	122.1648	11152.5923
0.35	0.28	0.06	0.11	0.16	0.17	0.16	0.05	0.03	0.02	0.81

172.8965	138.3172	29.6394	54.3389	79.0384	83.9783	79.0384	24.6995	14.8197	9.8798	408.1347
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
23039.7412	34451.136	14098.9714	24420.1197	41946.4831	28308.6716	20823.4316	3850.17089	3438.29122	1249.33591	103094.485
458.2	680.34	297.54	486.62	838.1	561.44	427.46	77.14	63.22	21.46	2100.18
172.8965	138.3172	29.6394	54.3389	79.0384	83.9783	79.0384	24.6995	14.8197	9.8798	408.1347
27528.8817	40998.256	16931.4376	29058.419	49920.4235	33681.4147	24929.1432	4601.52919	4048.64332	1461.36891	123685.35
4316.244	6408.8028	2802.8268	4583.9604	7894.902	5288.7648	4026.6732	726.6588	595.5324	202.1532	20182.7298
0.57							0.01			0.71
10.982326	11.040898	11.244315	11.268252	11.172384	11.215331	11.229086	11.202616	11.170662	11.110645	10.773589
0.616652	0.565113	0.497707	0.48342	0.518972	0.505445	0.505434	0.51375	0.523321	0.561792	0.803665
0.594709	0.271643	0.480964	0.465442	0.502155	0.487417	0.48571	0.49682	0.501294	0.542864	0.777762
915780.341	322294.605	784582.006	740652.801	840852.839	849307.029	717374.134	698859.386	851346.302	897859.066	1304376.05
3644.50628	1440.77301	3607.08354	3195.53145	2961.94327	3116.91148	3305.92596	3150.96592	3325.25847	2989.01528	4335.14239
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
0.036274	0.041494	0.033406	0.038489	0.033469	0.035931	0.038828	0.032606	0.042932	0.035	0.032598
294964.794	122004.854	244186.34	223066.478	243703.532	246991.597	231526.293	231639.975	257799.086	261253.403	376923.096
412837.829	170708.036	341933.721	312629.775	342244.843	346710.247	323962.619	325645.331	362255.036	364640.424	542317.839
3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.2929	3.353099
558338.858	230942.988	462220.322	422242.536	461306.416	467530.394	438256.12	438471.309	487987.889	494526.566	721091.575
43645.2	19583.73	43775.07	40983.42	42055.68	43660.74	40968.99	40375.14	44193.54	41989.08	43811.7
107.236363	53.216657	107.291838	106.727656	107.284897	107.011617	106.690078	107.380691	105.979712	107.115	107.381617
45288	40848	45288	42624	43512	45288	42624	41736	46176	43512	45288
111.272727	111	111	111	111	111	111	111	110.733812	111	111
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
38.344853	39.650319	39.288886	39.38902	39.013772	39.17632	39.279147	39.12496	39.057729	38.758851	38.306575
37.973325	38.166814	38.836444	38.912315	38.5953	38.736373	38.786483	38.691706	38.589223	38.403075	37.975464
1029163.11	436590.842	852816.64	779542.075	851384.415	863336.951	809213.995	810122.988	902139.547	909634.847	1338480.81
1006355.58	400338.614	615841.816	585249.846	722867.604	697797.801	600527.028	628274.345	741407.508	778417.605	1767012.74
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1006355.58	400338.614	615841.816	585249.846	722867.604	697797.801	600527.028	628274.345	741407.508	778417.605	1767012.74
393.2	176.43	394.37	369.22	378.88	393.34	369.09	363.74	398.14	378.28	394.7
104145.456	99440.3572	58997.3237	30128.114	2246.56563	4887.84177	82316.8611	102788.132	40794.0946	4062.15163	24196.4825
126431.077	123207.283	68227.8956	35795.0358	2412.78503	5141.56596	96323.4811	114654.742	46364.4043	4326.44966	32897.808

27.386696	45.625052	26.168941	23.063633	7.315269	12.01076	28.338992	35.729421	21.359303	8.913245	12.146143
2844.87861	2714.50354	1614.17284	819.56093	60.001858	131.991666	2254.20158	2778.37343	1109.02211	111.686746	652.015271
29.905325	27.672967	23.285612	23.961466	25.989283	26.142057	22.667558	25.817774	27.354946	29.092696	42.119142
29.838029	27.442684	23.216206	23.905118	25.984384	26.13314	22.5444	25.679941	27.316184	29.084592	42.10975
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
66.174963	30.15244	53.387073	51.664083	55.739295	54.103333	53.913812	55.147053	55.510249	60.257959	86.331632
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24088.3314	8381.59446	20167.7532	19019.4471	21789.8021	21942.1683	18448.7024	17956.9186	22038.7519	23509.4333	34571.2907
915780.341	322294.605	784582.006	740652.801	840852.839	849307.029	717374.134	698859.386	851346.302	897859.066	1304376.05
21.89	11.17	4.55	3.42	0.27	0.4	6.85	7.64	6.63	0.41	19.06
22807.5283	36252.2276	236974.824	194292.23	128516.811	165539.15	208686.967	181848.643	160732.039	131217.242	-428531.93
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284.97	108.48	335.57	324.4	350.34	365.74	300.44	287.03	341.11	359.48	306.86
	0.5									
95446.9284	36477.5189	83418.2886	82913.1745	103393.406	103507.561	77413.0867	78528.3002	98363.4392	110589.348	115348.344
0.97	1.56	0.97	0.92	0.87	0.96	1	0.89	1.05	0.81	1.02
9237.31	14855.88	9237.31	8761.16	8285.01	9142.08	9523	8475.47	9999.15	7713.63	9908.28
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
971176.687	401651.025	804154.044	734872.311	803551.26	814240.641	762218.739	764116.64	850242.926	859166.99	1263409.41
26933.21	11096.098	21781.926	19839.008	21849.804	22074.16	20702.904	20735.292	23147.774	23621.12	35223.306
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1183341.2	500362.779	980452.84	896138.923	978768.251	992439.459	930232.788	931201.204	1036891.13	1046192	1535498.51
48749.1101	20083.9374	39425.2861	35908.6045	39548.1452	39954.2296	37472.2562	37530.8785	41897.4709	42754.2272	65163.1161
67.04	37.81	37.58	21.52	3.4	6.58	41.88	57.82	35.33	7.89	22.69

0.026715	0.027907	0.030441	0.029765	0.041071	0.02598	0.03401	0.026861	0.026899	0.020459	0.02745

1191.3	1073.19	1186.74	1117.71	1127.7	1192.2	1112.82	1097.7	1214.43	1151.94	1190.4
2.927027	2.916277	2.908676	2.910703	2.876785	2.922058	2.897968	2.919414	2.912302	2.938622	2.917647
1224	1104	1224	1152	1176	1224	1152	1128	1248	1176	1224
3.007371	3	3	3	3	3	3	3	2.992805	3	3

11.403125	11.493894	11.776258	11.776606	11.649138	11.653596	11.810128	11.57131	11.565671	11.47555	11.249152
0.749679	0.708049	0.591713	0.597841	0.630623	0.635884	0.602537	0.669393	0.685872	0.726354	0.859751
0.716082	0.676972	0.375804	0.574783	0.604366	0.602832	0.501323	0.636451	0.649431	0.639403	0.821899
371461.019	318764.982	199953.687	289531.329	308588.508	319825.919	250808.981	308854.343	347815.679	318116.169	427173.939
1489.83336	1454.83525	918.02551	1249.61216	1090.60137	1179.44925	1180.83346	1401.36544	1364.74832	1056.02866	1423.71339
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
0.045808	0.045597	0.045931	0.040781	0.043188	0.051004	0.053515	0.050851	0.051923	0.04602	0.04571
142515.532	122330.186	76783.4655	111111.905	118282.231	122570.026	96364.4266	118373.507	133288.943	122370.396	160961.308
199556.107	171292.007	107543.081	155864.608	166196.925	172249.451	134828.247	166240.698	187196.51	170521.738	231750.863
2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.5022	2.546599
157080.619	134832.331	84630.7357	122467.542	130370.675	135096.682	106212.871	130471.279	146911.073	134876.651	178119.783
16740.33	15102.46	11136.57	15838.62	16128.01	16608.32	13710.55	15345.84	16920.93	14805.33	16742.05
41.131031	41.039293	27.295514	41.246406	41.142882	40.706666	35.704557	40.813404	40.577769	37.768698	41.034436
17544	15824	17544	16512	16856	17544	16512	16168	17888	16856	17544
43.105651	43	43	43	43	43	43	43	42.896882	43	43
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
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444347.306	364800.066	185712.816	274568.467	324962.162	324869.031	234370.973	305781.962	358058.25	344364.608	696798.703
389.31	351.22	258.99	368.34	375.07	385.91	318.85	356.88	393.13	344.31	389.35

31.487964	28.293865	24.132976	22.805286	27.099989	26.005454	22.666273	24.0106	27.929907	28.587837	47.258248
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12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
371461.019	318764.982	199953.687	289531.329	308588.508	319825.919	250808.981	308854.343	347815.679	318116.169	427173.939
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3.34	28.48	8.11	2.52	2.65	3.26	3.33	3.03	3.91	2.16	2.48
		0.333333			0.00245	0.122395		0.002403	0.079081	
93730.6586	74002.6835	51941.8301	82170.2474	101167.781	99990.0527	63862.4606	75673.9673	96504.0258	97846.89	113289.562
1.15	1.12	1.86	1.22	1.25	1.37	2.17	1.3	1.37	2.12	1.15
5417.1095	5275.7936	8761.5858	5746.8466	5888.1625	6453.4261	10221.8501	6123.689	6453.4261	9986.3236	5525.451
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
356636.726	306124.338	192173.817	278332.15	296567.6	307346.133	241041.118	296711.977	334107.583	305398.389	409870.647
12562.96	10712.41	6593.11	9490.83	10187.21	10576.09	8277.85	10290.14	11617.03	10777.78	14419.41
5417.1095	5275.7936	8761.5858	5746.8466	5888.1625	6453.4261	10221.8501	6123.689	6453.4261	9986.3236	5525.451
451370.997	387982.763	248849.99	353356.368	376302.793	390346.698	311400.517	376851.863	423939.235	392065.499	516833.865
14824.2928	12640.6438	7779.8698	11199.1794	12020.9078	12479.7862	9767.863	12142.3652	13708.0954	12717.7804	17303.292

0.029509	0.027907	0.020318	0.035989	0.044005	0.023504	0.028463	0.022765	0.037187	0.026173	0.034411

1187.88	1073.19	1199.13	1110.54	1124.25	1195.23	1119.21	1102.32	1201.59	1145.22	1181.88
2.918624	2.916277	2.939044	2.892031	2.867984	2.929485	2.914609	2.931702	2.88151	2.921479	2.896764
1224	1104	1224	1152	1176	1224	1152	1128	1248	1176	1224
3.007371	3	3	3	3	3	3	3	2.992805	3	3

3.794432	4.357643	2.108337	3.940124	7.198712	4.076148	2.964856	0.142307	0.2812	0.14	7.71416
0.002594	0.005383	0.002406	0.005881	0.0126	0.005888	0.005661	0.000075	0.000216	0.00002	0.016643
0.002563	0.00513	0.002362	0.005734	0.011938	0.005642	0.005546	0.000069	0.000216	0.00002	0.016254
135.699277	1122.16645	309.337801	1203.62189	10310.9218	4352.45617	973.475913	40.679898		27.412005	7499.79922
0.501163	4.795899	1.28158	3.996616	30.342539	13.03882	3.631425	0.181288		0.080526	23.797489

52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
0.028272	0.032622	0.030551	0.026966	0.031313	0.027879	0.034661	0.028018	0.031322	0.026147	0.0262
736.7	1330	679	1556.1	3325.2	1625.5	1516.5	18.5	63.3	5.6	4661.6
3336.58573	7060.42652	3430.84778	8323.57357	17859.856	8705.17975	7831.34304	92.72061	323.844344	27.412005	20772.0924
1.245593	1.648669	0.769075	1.492942	2.682529	1.530595	1.10619	0.050119	0.101639	0.04895	2.584307
28.498738	223.32145	59.375957	230.539172	1919.23472	812.657048	192.604239	8.116621		5.6	1665.30306
19810.2	17721.9	19789.5	18723.2	19001.1	19885.4	18506.3	18283.3	20094.2	19037.1	19848.1
48.67371	48.157336	48.503676	48.758333	48.472193	48.738725	48.193489	48.625797	48.187529	48.56403	48.647303
20400	18400	20400	19200	19600	20400	19200	18800	20800	19600	20400
50.12285	50	50	50	50	50	50	50	49.880095	50	50
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
23.871471	28.775153	14.262454	31.204963	61.735212	31.741773	26.353662	1.567196	2.350575	0.6853	43.231612
17.65249	23.266339	10.814199	21.053223	37.920399	21.545603	15.73577	0.714273	1.429947	0.6853	36.690683
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3707.92811	7945.11057	3784.71504	9433.5854	21015.5306	9844.79248	9389.73261	108.29007	354.83228	27.665198	23368.7207
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
3707.92811	7945.11057	3784.71504	9433.5854	21015.5306	9844.79248	9389.73261	108.29007	354.83228	27.665198	23368.7207
226.09	154.49	168.3	235.77	376.98	293.87	171.22	138.85	119.5	106.88	246.43
3224.05245	5968.57007	3123.39997	7131.95568	7587.24124	4369.84658	6901.26113	52.175712	323.979344		13434.5531
3560.10173	6661.84284	3458.9014	8091.8749	8802.0938	4882.73162	8204.34279	59.651897	354.83228		14894.174
5.584609	5.522469	2.907943	5.390844	7.066831	4.291928	4.555337	0.153373	0.45		9.162546
50.264375	78.448467	43.95886	93.632916	97.836492	57.232808	92.892554	0.720241	4.5		213.037916
73.55487	74.252236	73.600241	74.903887	78.311771	77.191898	79.125245	70.166948		69.584389	67.860631
5.884389	8.910268	2.208007	11.984622	37.580543	21.613731	7.827149	0.701669		0.695843	29.642942
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
0.128501	0.256521	0.118137	0.286718	0.596938	0.282107	0.277343	0.003457	0.010791	0.00102	0.812745
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
348.176377	854.37405	351.977265	1098.00783	3117.36759	1122.48973	1514.99557	15.434459	30.852935	0.253192	2434.36838
2.035624	15.951532	4.241139	16.467083	136.163507	57.867191	13.607445	0.579758		0.4	118.562083
135.699277	1122.16645	309.337801	1203.62189	10310.9218	4352.45617	973.475913	40.679898		27.412005	7499.79922
0.7	1.2	0.69	1.42	2.46	1.22	1.45	0.02	0.06		3.5
-348.17638	-854.37405	-351.97727	-1098.0078	-3117.3676	-1122.4897	-1514.9956	-15.434459	-30.852935	-0.253192	-2434.3684
-3908.2781	-7516.2169	-3810.8787	-9189.8827	-11919.461	-6005.2214	-9719.3384	-75.086356	-385.68522	-0.253192	-17328.542
	0.03	0.03	0.08	1.04	0.35	0.11			0.01	1.16
370.4102	592.6954	300.6881	872.8785	2326.8407	1045.7268	820.1289	8.9658	31.1985	3.4041	2719.2441

0.03	0.04		0.01	0.03	0.02	0.05				0.27
21.141	26.53		5.389	16.167	10.778	31.919				153.492
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
3336.58573	7060.42652	3430.84778	8323.57357	17859.856	8705.17975	7831.34304	92.72061	323.844344	27.412005	20772.0924
52.3	94.4	48.2	110.1	234	115.1	106.5	1.3	4.5	0.4	331.6
21.141	26.53		5.389	16.167	10.778	31.919				153.492
3359.75173	7090.73652	3432.73778	8335.57757	17898.163	8722.30275	7874.73704	92.85561	323.979344	27.412005	20934.3524
2.025	3.78	1.89	6.615	22.14	6.345	11.475	0.135	0.135		8.768
0.08										0.01

0.028504	0.021793	0.038504	0.033307	0.037602	0.027254	0.023567	0.023164	0.032259	0.028571	0.038946

1585.48	1439.92	1569.16	1484.84	1509.04	1587.52	1499.8	1469.16	1610.32	1523.2	1568.44
3.895528	3.912826	3.84598	3.86677	3.849591	3.89098	3.905729	3.90734	3.861678	3.885714	3.844215
1632	1472	1632	1536	1568	1632	1536	1504	1664	1568	1632
4.009828	4	4	4	4	4	4	4	3.990407	4	4

10.352382	10.442716	10.713895	10.700793	10.568831	10.62175	10.696136	10.576168	10.563277	10.503575	10.207465
0.532379	0.481758	0.346304	0.345956	0.391279	0.378278	0.376179	0.400594	0.416389	0.468857	0.716176
0.503219	0.451821	0.24889	0.326779	0.372104	0.354701	0.356823	0.374348	0.39686	0.443677	0.684319
416153.545	338645.179	211847.945	262902.895	302918.767	300928.441	284395.013	291345.812	340870.306	354478.902	565544.13
1656.75162	1542.2349	972.290526	1113.45108	1046.92883	1086.98352	1310.06442	1319.46263	1327.23172	1177.57351	1882.14165
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
0.055294	0.063478	0.064975	0.057734	0.049897	0.064852	0.053671	0.066808	0.048125	0.053265	0.047083
123724.553	100768.981	63032.0768	78093.4885	89939.4657	89371.5489	84745.4575	86457.2953	101237	105690.475	165108.593
173344.501	141562.147	88311.3379	109785.54	126485.613	125624.167	118557.325	121866.021	142268.201	147055.167	237698.537
3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3047	3.3652
235658.156	191934.678	120057.197	148744.668	171307.7	170225.989	161414.673	164675.21	192826.113	201308.648	317867.064
22586.784	20141.406	17194.412	21203.238	21824.984	22358.244	21294.654	20561.568	23204.428	21747.632	22783.094

55.495783	54.732081	42.143166	55.216765	55.675979	54.799617	55.454828	54.685021	55.64611	55.478653	55.840916
23908.8	21564.8	23908.8	22502.4	22971.2	23908.8	22502.4	22033.6	24377.6	22971.2	23908.8
58.74398	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.459472	58.599999	58.599999
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
37.74863	39.439077	44.982441	41.303335	39.302139	40.442175	40.472328	40.623942	39.17459	38.674763	37.429813
34.811718	35.109618	36.004982	35.959383	35.522289	35.696328	35.945378	35.542943	35.504028	35.320811	34.95939
446778.222	371181.729	256171.426	295422.093	332196.57	334700.448	313209.541	326106.907	370814.707	382685.124	596931.809
471751.457	373379.507	185283.079	241158.799	309791.469	294238.517	260666.424	271295.059	329898.277	353561.704	840186.884
24973.2349	2197.77797	-70888.346	-54263.294	-22405.101	-40461.931	-52543.117	-54811.848	-40916.43	-29123.42	243255.075
471751.457	373379.507	185283.079	241158.799	309791.469	294238.517	260666.424	271295.059	329898.277	353561.704	840186.884
385.44	343.69	293.42	361.83	372.44	381.54	363.39	350.88	395.98	371.12	388.79
67.936583	697.708386	90.996008	39.305656	3.164082	10.014296	394.622311	144.367558	28.71067		1.842243
67.66998	862.087426	93.674481	36.901265	2.869868	9.155179	459.345007	150.474144	28.159171		1.934423
1.531195	4.014143	1.534598	1.047143	0.078775	0.26	2.94641	2.479244	0.74908		0.050118
1.791195	20.264724	2.502577	1.047143	0.078775	0.26	11.38379	3.917691	0.74908		0.050118
32.992105	29.080973	24.983426	24.320947	26.01789	28.515069	23.918739	27.152433	27.618492	29.571534	44.828033
30.34799	29.079101	19.945726	21.626289	21.851883	24.522959	21.721858	23.583029	25.952682	27.797242	40.79351
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264
29.561115	26.476733	14.584995	19.149276	21.805346	20.785534	20.909885	21.936829	23.200249	25.99952	40.101137
-39697.589	-50474.168	-103835.21	-95082.76	-69416.46	-87176.44	-96839.567	-100003.08	-93833.009	-84367.832	156952.813
-39697.589	-50474.168	-103835.21	-95082.76	-69416.46	-87176.44	-96839.567	-100003.08	-93833.009	-84367.832	156952.813
12029.5828	9723.17328	5948.17542	7352.27486	8547.61722	8480.238	8018.01221	8244.33031	9673.75492	10191.812	16361.2139
416153.545	338645.179	211847.945	262902.895	302918.767	300928.441	284395.013	291345.812	340870.306	354478.902	565544.13
	0.4	0.01				0.04	0.01	0.01		
-24973.235	-2197.778	70888.3464	54263.2935	22405.101	40461.931	52543.1168	54811.8478	40916.4297	29123.4204	-243255.08
-25040.905	-3059.8654	70794.6719	54226.3923	22402.2311	40452.7759	52083.7718	54661.3737	40888.2706	29123.4204	-243257.01
22.31	165.64	15.33	22.98	20.17	21.69	22.68	18.62	27.1	21.23	20.54
	0.002717	0.232843								
87197.0763	67677.9371	55582.3915	75430.2561	95187.1949	93220.065	71527.0034	69725.8195	91439.6452	100239.01	105715.229
1.43	1.49	2.07	1.52	1.37	1.58	1.33	1.62	1.4	1.32	1.44
30556.7405	31838.8415	44232.4845	32479.892	29274.6395	33761.993	28419.9055	34616.727	29915.69	28206.222	31385.8368
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
409002.657	333496.825	208368.535	258530.208	297793.313	295850.156	279971.998	286541.231	335094.314	348363.815	555565.601
12031.374	9743.438	5950.678	7353.322	8547.696	8480.498	8029.396	8248.248	9674.504	10191.812	16361.264

30556.7405	31838.8415	44232.4845	32479.892	29274.6395	33761.993	28419.9055	34616.727	29915.69	28206.222	31385.8368
511449.046	423853.675	289118.292	336241.559	379207.929	381414.956	357505.991	371298.135	423731.287	437929.536	683234.071
7218.8244	5846.0628	3570.4068	4411.9932	5128.6176	5088.2988	4817.6376	4948.9488	5804.7024	6115.0872	9980.37104
0.17	1.75	0.22	0.09	0.01	0.02	0.32	0.25	0.1		0.01
3.15	3	1.95	3.15	6.3	3.75	2.85	0.15	0.3		4.5
0.001605	0.003706	0.001497	0.004547	0.009986	0.004359	0.005005	0.000053	0.000148		0.01012
0.001568	0.003641	0.001446	0.004401	0.009719	0.004117	0.004843	0.000053	0.000144		0.009803
	51.50217	18.72981	117.749542	1551.72344	731.129431	197.893989				809.973758
	0.197881	0.073376	0.384911	4.480263	2.150775	0.726066				2.567541
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56
0.029411	0.025326	0.040563	0.022213	0.030102	0.030539	0.041979	0.036063	0.031658	0.025739	0.031102
134.4	281.4	123.9	354.9	800.1	352.8	390.6	4.2	12.6		840
606.482095	1484.35914	626.759476	1884.66757	4328.90763	1897.07833	2009.66125	21.050084	66.512668		3609.06823
0.989568	1.07044	0.666361	1.124484	2.216813	1.325102	0.99702	0.050119	0.101639		1.337799
	10.982916	3.503157	22.52256	289.100267	135.113041	39.540519				180.190984
5544	5021.52	5480.3	5256.58	5322.8	5537.56	5150.32	5074.16	5639.62	5346.74	5534.34
13.621621	13.645434	13.432107	13.68901	13.578571	13.57245	13.412291	13.495106	13.524268	13.639642	13.564558
5712	5152	5712	5376	5488	5712	5376	5264	5824	5488	5712
14.034398	14	14	14	14	14	14	14	13.966426	14	14
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56
15.218523	16.05661	9.995424	16.867267	33.5022	19.951533	14.992803	0.751788	1.524594		20.747939
15.218523	16.05661	9.995424	16.867267	33.5022	19.951533	14.992803	0.751788	1.524594		20.747939
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668		3735.06823
668.274532	1637.25013	688.657438	2113.57041	5077.98379	2110.03	2372.76667	24.581481	71.036702		4002.01024
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034		266.942011
668.274532	1637.25013	688.657438	2113.57041	5077.98379	2110.03	2372.76667	24.581481	71.036702		4002.01024
116.48	81.12	97.7	131.25	207.53	153.8	94.61	76.88	70.53	59.8	119.77
616.982095	1432.85697	608.029665	1766.91803	2787.6842	1176.4489	1822.26726	21.050084	66.512668		2925.09447
668.274532	1580.00035	669.265158	1985.44992	3257.87065	1299.35588	2140.23394	24.581481	71.036702		3132.38364
2.94	2.796422	1.790807	2.820577	4.729156	2.94941	2.640269	0.14	0.28		3.752851
8.96	18.027805	8.026456	22.158495	34.066648	14.512463	23.403965	0.28	0.84		43.987267
	76.364098	80.198267	79.233948	83.911187	83.859638	79.219242				75.353663
	1.527281	0.801982	5.546376	24.334244	15.094734	5.545346				11.117052
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84		56

0.022014	0.050978	0.020245	0.061614	0.136071	0.057647	0.067812	0.000744	0.002014	0.137254
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034	266.942011
51.292436	152.890988	61.897962	228.902838	738.576154	202.451671	352.605421	3.531396	4.524034	266.942011
	0.732194	0.233543	1.501504	19.273351	9.007536	2.636034			12.012732
	51.50217	18.72981	117.749542	1551.72344	731.129431	197.893989			809.973758
0.49	1.01	0.45	1.15	1.49	0.84	0.88	0.01	0.05	2.85
-51.292436	-152.89099	-61.897962	-228.90284	-738.57615	-202.45167	-352.60542	-3.531396	-4.524034	-266.94201
-719.56697	-1732.8913	-731.16312	-2214.3528	-3996.4468	-1501.8076	-2492.8394	-28.112878	-75.560737	-3399.3257
	0.05		0.05	0.66	0.41	0.11			0.68
167.5324	312.0908	134.9438	469.2689	1253.1038	546.8135	459.4201	4.511	15.5896	1242.6447
0.01				0.01	0.01	0.01			0.12
10.5				10.5	10.5	10.5			126
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823
606.482095	1484.35914	626.759476	1884.66757	4328.90763	1897.07833	2009.66125	21.050084	66.512668	3609.06823
8.96	18.76	8.26	23.66	53.34	23.52	26.04	0.28	0.84	56
10.5				10.5	10.5	10.5			126
616.982095	1484.35914	626.759476	1884.66757	4339.40763	1907.57833	2020.16125	21.050084	66.512668	3735.06823

10.929584	10.9944	11.238716	11.270636	11.152347	11.190918	11.2299	11.160495	11.135424	11.055516	10.728777
0.361092	0.294487	0.260297	0.274631	0.300901	0.290774	0.281674	0.296457	0.30376	0.324935	0.473232
0.347497	0.239431	0.231542	0.264627	0.289848	0.279287	0.266518	0.285101	0.291446	0.310017	0.457292
1710949.26	999381.196	1200744.33	1307394.14	1509564.76	1505083.68	1260820.64	1299654.48	1541625.56	1571761.83	2388266.17
6818.80737	4524.27615	5516.36106	5607.02701	5272.72258	5492.5336	5827.92661	5874.28248	6023.07046	5226.57058	7932.9199
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
0.03334	0.035259	0.03561	0.033222	0.036897	0.034258	0.037014	0.033607	0.036236	0.032066	0.033028
566391.765	353123.543	387607.311	418766.345	463944.593	466199.675	418569.523	437220.059	492996.398	489522.006	728276.193
812721.246	526558.112	555944.719	612908.284	699062.628	683494.794	608012.627	617715.991	695548.396	683494.077	1139242.89
3.112194	3.060375	3.152015	3.111173	3.140286	3.112789	3.136717	3.08349	3.084218	3.098668	3.226523
951077.634	557709.997	666908.255	693454.745	762984.792	772853.066	705883.663	733617.799	827725.076	830711.865	1217078.42
1175.41396	3130.69066	724.47145	2301.11341	9376.65726	5647.9818	1380.70472	105.448255	232.372603	182.194359	15096.9394
144165.554	109730.601	133265.627	135798.208	138601.719	143847.694	133332.184	132730.408	146479.988	137329.187	144699.884
354.21512	298.18098	326.631438	353.641166	353.575813	352.567877	347.219229	353.006404	351.270954	350.329558	354.656578
149776.8	135092.8	149776.8	140966.4	143903.2	149776.8	140966.4	138029.6	152713.6	143903.2	149776.8

368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.219664	367.099999	367.099999
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
186.612652	194.813788	158.347011	185.571495	244.586225	190.376303	178.366967	122.342327	126.01548	116.035068	218.144293
35.45817	35.016203	36.962391	36.550338	36.551278	36.31538	36.713547	35.814823	35.737	35.659253	36.22974
1884325.07	1181386.7	1338694.27	1409521.01	1570215.65	1568628.04	1418278.41	1455923.36	1631662.49	1621911.25	2516466.78
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05
73509.6623	14304.6968	-327860.18	-261766.13	-123865.85	-199563.99	-280374.7	-245524.12	-197452.68	-143972.09	956412.269
1957834.74	1195691.39	1010834.1	1147754.88	1446349.8	1369064.05	1137903.7	1210399.25	1434209.82	1477939.15	3472879.05
1698.45	1280.12	1318.46	1621.77	1956.05	1812.34	1449.92	1420.45	1485.67	1356.55	1790.56
128164.652	130034.987	75718.5628	55138.9737	17203.075	14186.8597	109293.017	107052.995	43668.6652	4243.24428	81381.043
153431.231	158368.477	87331.7829	65203.7647	20177.3023	15626.4877	129022.653	119187.443	49502.332	4526.77094	97114.2516
10.745945	12.873705	7.209079	7.600358	5.09294	4.522695	8.873242	6.788402	4.508668	1.957472	8.385346
3242.32804	3204.07989	1895.96054	1205.58115	269.034589	266.423061	2687.40113	2850.09782	1153.66056	114.398009	1602.38604
37.10781	34.679498	26.408296	31.208501	41.853073	36.150321	28.427145	26.804655	29.778741	30.633953	49.529984
37.029383	34.574546	26.362962	31.174452	41.840758	36.144428	28.324012	26.717664	29.747198	30.62214	49.424929
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
127.879616	87.895233	84.999299	97.144635	106.403443	102.52649	97.838932	104.660638	106.733496	113.807581	167.87196
-219832.13	-166081.17	-528577.96	-477260.64	-360087.16	-439448.36	-496059.63	-473667.39	-454790.97	-399736.66	588957.83
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48804.676	29141.3661	32783.7535	36097.9588	41441.1154	41564.3849	34882.7489	36502.3022	43354.2074	44498.174	66889.374
1710949.26	999381.196	1200744.33	1307394.14	1509564.76	1505083.68	1260820.64	1299654.48	1541625.56	1571761.83	2388266.17
28.31	20.55	9.21	10.5	6.46	4.77	13.51	8.86	7.57	0.57	42.2
-73509.662	-14304.697	327860.176	261766.128	123865.848	199563.989	280374.704	245524.116	197452.678	143972.091	-956412.27
-226940.89	-172673.17	240528.393	196562.364	103688.545	183937.501	151352.051	126336.673	147950.346	139445.32	-1053526.5
311.47	305.35	359.56	351.24	381.62	396.1	327.41	308.79	372.28	383.09	342.37
	0.045701	0.05147			0.000222	0.011126		0.000218	0.007189	
278991.759	181738.546	192552.226	244159.084	308045.701	301373.38	215873.944	224245.113	286644.258	308800.817	349467.616
3.94	4.49	4.96	3.78	3.69	4.11	4.72	3.86	3.85	4.27	4.81
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22
1763798.88	1084268.11	1222852.97	1306363.03	1462047.42	1456347.86	1313896.29	1351333.79	1523273.47	1514205.94	2356321.31
52047.004	32345.446	34679.714	37303.54	41710.15	41830.808	37570.15	39352.4	44507.868	44612.572	68491.76
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
2177666.86	1361772.57	1539412.06	1625015.52	1806436.97	1808512.41	1633963.34	1684066.64	1889000.79	1877675.82	2883921.22

75110.4963	44983.2268	53580.2795	56110.3525	64614.7126	62817.4244	56095.905	55348.9863	62005.9361	61789.248	112638.277
67.86	39.56	37.8	21.61	3.41	6.6	42.2	58.08	35.43	7.89	23.42
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
2605.32704	2845.92678	2790.75837	2881.50544	4325.95832	4459.38493	2390.09965	2467.33583	3596.69036	4294.57055	3431.20446
-101892.29	-80867.369	-88789.526	-88966.621	-110040.65	-110505	-83308.581	-83335.942	-106213.03	-117534.53	-122701.28
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
310.23	307.26	360.3	351.27	381.79	396.23	327.52	308.29	372.03	383.13	340.11
180.691291	172.063209	168.037055	204.946384	248.114781	238.515111	197.511268	165.266483	200.208349	242.945494	213.325117
83.437185	81.232552	84.287628	88.275581	131.010599	126.39058	84.576274	80.80935	102.586375	128.723381	82.725051
26497.0062	25251.7364	30636.3287	31307.2465	50163.7646	50218.7653	28140.9227	25212.1645	38661.5015	49517.9537	29591.0166
-101892.29	-80867.369	-88789.526	-88966.621	-110040.65	-110505	-83308.581	-83335.942	-106213.03	-117534.53	-122701.28
-250.34961	-219.74829	-217.62139	-231.68391	-280.71595	-270.8456	-216.94943	-221.63814	-254.7075	-299.83299	-300.73842
-3323096.1	-2475584.5	-2146275.4	-2311214.5	-3169644	-3085742.1	-2028614.9	-2223967.1	-2994887.6	-3460047.8	-5618192.5
-32.628452	-30.599335	-24.168959	-25.995399	-28.764474	-27.89099	-24.361179	-26.694567	-28.225243	-29.451671	-45.782371
-3323096.1	-2475584.5	-2146275.4	-2311214.5	-3169644	-3085742.1	-2028614.9	-2223967.1	-2994887.6	-3460047.8	-5618192.5
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3978749.43	3104464.42	2756970.41	2997118.43	4401111.13	4307026.76	2561334.16	2777329.72	3918342.36	4755054.09	6664110.37
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
2605.32704	2845.92678	2790.75837	2881.50544	4325.95832	4459.38493	2390.09965	2467.33583	3596.69036	4294.57055	3431.20446
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101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92
310.23	307.26	360.3	351.27	381.79	396.23	327.52	308.29	372.03	383.13	340.11
180.691291	172.063209	168.037055	204.946384	248.114781	238.515111	197.511268	165.266483	200.208349	242.945494	213.325117
83.437185	81.232552	84.287628	88.275581	131.010599	126.39058	84.576274	80.80935	102.586375	128.723381	82.725051

26497.0062	25251.7364	30636.3287	31307.2465	50163.7646	50218.7653	28140.9227	25212.1645	38661.5015	49517.9537	29591.0166
-101892.29	-80867.369	-88789.526	-88966.621	-110040.65	-110505	-83308.581	-83335.942	-106213.03	-117534.53	-122701.28
-250.34961	-219.74829	-217.62139	-231.68391	-280.71595	-270.8456	-216.94943	-221.63814	-254.7075	-299.83299	-300.73842
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-32.628452	-30.599335	-24.168959	-25.995399	-28.764474	-27.89099	-24.361179	-26.694567	-28.225243	-29.451671	-45.782371
-3323096.1	-2475584.5	-2146275.4	-2311214.5	-3169644	-3085742.1	-2028614.9	-2223967.1	-2994887.6	-3460047.8	-5618192.5
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3978749.43	3104464.42	2756970.41	2997118.43	4401111.13	4307026.76	2561334.16	2777329.72	3918342.36	4755054.09	6664110.37
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45

421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	379427.58	432126.498
1701.74838	1912.75356	1953.98662	1435.22987	951.547089	1000.67479	1495.49646	1579.38214	1558.97473	1273.8726	1444.09264
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
275166.044	257096.239	205686.746	164429.23	146628.522	146435.577	154048.648	187116.256	224315.669	224841.891	402819.682
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
21.018517	23.037464	21.040734	17.146003	13.593979	13.283501	16.843898	18.755223	19.237581	19.688553	21.82066
-146487.07	-160773.88	-217449.16	-160099.34	-116030	-120699.89	-164761.89	-160475.05	-171092.24	-155616.29	-53358.23
-146487.07	-160773.88	-217449.16	-160099.34	-116030	-120699.89	-164761.89	-160475.05	-171092.24	-155616.29	-53358.23
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7697.39929	8425.94273
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	379427.58	432126.498
146487.068	160773.885	217449.161	160099.342	116030	120699.888	164761.886	160475.054	171092.237	155616.288	53358.2304
146487.068	160773.885	217449.161	160099.342	116030	120699.888	164761.886	160475.054	171092.237	155616.288	53358.2304
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959

421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
8554.53667	8477.78706	8584.61975	6584.06516	5328.83997	5419.66859	6468.05709	7051.96409	8022.07154	7717.91278	8902.82959
275166.044	257096.239	205686.746	164429.23	146628.522	146435.577	154048.648	187116.256	224315.669	224841.891	402819.682
-146487.07	-160773.88	-217449.16	-160099.34	-116030	-120699.89	-164761.89	-160475.05	-171092.24	-155616.29	-53358.23
421653.112	417870.124	423135.907	324528.572	262658.522	267135.465	318810.534	347591.31	395407.906	380458.179	456177.913
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	361534.405	409956.399
1621.3998	1820.29443	1860.89619	1369.53772	905.215116	952.422133	1425.71022	1506.0365	1485.16879	1213.8766	1370.02626
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
309188.302	288661.039	231067.089	184924.215	164620.536	164437.93	173169.228	210370.17	252049.574	252659.535	452644.574
28.446408	30.329827	21.894971	21.101014	24.679698	22.587773	21.07856	30.487246	32.083094	31.31466	29.054583
1.706784	5.762667	3.284245	0.84404	1.727578	1.581144	2.107856	1.524362	1.924985	1.878879	0.290545
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
23.619082	25.860843	23.635119	19.294787	15.254519	14.912583	18.938739	21.091256	21.615484	22.127673	24.520238
-92537.569	-109045.63	-171919.27	-124706.19	-85274.129	-89826.394	-130747.55	-121037.58	-124631.15	-109865.06	19796.0239
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9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8650.8915	9468.35517
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	361534.405	409956.399
92537.5693	109045.631	171919.266	124706.193	85274.1286	89826.3941	130747.549	121037.583	124631.148	109865.057	-19796.024
92537.5693	109045.631	171919.266	124706.193	85274.1286	89826.3941	130747.549	121037.583	124631.148	109865.057	-19796.024
0.36	2.54	1.43	0.65	0.51	0.53	0.88	0.27	0.72	0.45	0.01
101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
9612.96654	9516.79037	9643.12888	7409.19856	5979.77181	6084.33415	7272.47613	7930.31236	9013.6569	8674.04803	10004.2574
309188.302	288661.039	231067.089	184924.215	164620.536	164437.93	173169.228	210370.17	252049.574	252659.535	452644.574
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401725.872	397706.67	402986.356	309630.408	249894.664	254264.324	303916.777	331407.754	376680.722	362524.591	432848.55
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
834.929882	955.060625	799.09688	881.742201	746.230025	763.554398	725.335526	571.57667	607.172548	594.318359	645.534323

4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
128906.756	121150.788	79669.0892	96544.0767	110245.954	107000.19	70227.244	63250.8775	83882.7216	100264.718	171100.509
4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
9.923342	11.025627	8.273801	10.160431	10.257104	9.770436	7.839194	6.495511	7.203835	8.838092	9.260836
-78000.998	-86711.395	-93268.581	-103335.18	-95738.863	-97219.919	-83987.898	-61868.782	-70012.157	-77223.275	-22468.012
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4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
78000.9977	86711.3946	93268.5808	103335.176	95738.8634	97219.9187	83987.8984	61868.7817	70012.1573	77223.2754	22468.0118
78000.9977	86711.3946	93268.5808	103335.176	95738.8634	97219.9187	83987.8984	61868.7817	70012.1573	77223.2754	22468.0118
101892.292	79952.2066	81136.0093	88966.6207	110040.651	110505.003	83308.5805	83335.9422	98767.6446	117534.533	122701.277
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
4038.80059	4057.43085	3375.71091	3901.60556	4020.78504	3986.33826	3010.25068	2442.3123	3003.9992	3464.53238	3778.42124
128906.756	121150.788	79669.0892	96544.0767	110245.954	107000.19	70227.244	63250.8775	83882.7216	100264.718	171100.509
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206907.754	207862.183	172937.67	199879.253	205984.817	204220.109	154215.142	125119.659	153894.879	177487.994	193568.52
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	331107.397	416170.514
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4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
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4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
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391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
4384.30623	4422.25832	3765.98388	3666.54607	3106.37386	3231.51158	3534.12502	4196.88677	4157.5914	3720.76811	4814.02999
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391737.762	395128.781	336490.66	327605.891	277554.504	288735.56	315774.071	374991.833	371480.792	332484.496	440275.992
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1249557.38	1451821.93
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26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
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26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
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1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1249557.38	1451821.93
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570412.473	619707.442	730710.246	627899.806	493200.3	512736.13	613577.082	609118.235	621225.934	569384.444	282790.723
0.36	2.54	1.43	0.65	0.51	0.53	0.88	0.27	0.72	0.45	0.01
407441.636	322554.314	347425.623	355698.922	440162.603	442020.011	332986.414	333343.769	417311.168	469413.433	490805.106
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
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1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
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3323096.11	2475584.51	2146275.37	2311214.46	3169643.98	3085742.11	2028614.88	2223967.06	2994887.64	3460047.8	5618192.45
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4225186.19	3810952.25	4225186.19	3976645.82	4059492.61	4225186.19	3976645.82	3893799.03	4308032.97	4059670.79	4297883.89
0.03334	0.035259	0.03561	0.033222	0.036897	0.034258	0.037014	0.033607	0.036236	0.032066	0.033028
566391.765	353123.543	387607.311	418766.345	463944.593	466199.675	418569.523	437220.059	492996.398	489522.006	728276.193
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144165.554	109730.601	133265.627	135798.208	138601.719	143847.694	133332.184	132730.408	146479.988	137329.187	144699.884
354.21512	298.18098	326.631438	353.641166	353.575813	352.567877	347.219229	353.006404	351.270954	350.329558	354.656578
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368.001965	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.219664	367.099999	367.099999
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186.612652	194.813788	158.347011	185.571495	244.586225	190.376303	178.366967	122.342327	126.01548	116.035068	218.144293
35.45817	35.016203	36.962391	36.550338	36.551278	36.31538	36.713547	35.814823	35.737	35.659253	36.22974
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101892.292	80867.3691	88789.5256	88966.6207	110040.651	110505.003	83308.5805	83335.9422	106213.028	117534.533	122701.277
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128164.652	130034.987	75718.5628	55138.9737	17203.075	14186.8597	109293.017	107052.995	43668.6652	4243.24428	81381.043
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655653.318	628879.906	610695.039	685903.975	1231467.15	1221284.65	532719.273	553362.657	923454.717	1295006.29	1045917.92

310.23	307.26	360.3	351.27	381.79	396.23	327.52	308.29	372.03	383.13	340.11
180.691291	172.063209	168.037055	204.946384	248.114781	238.515111	197.511268	165.266483	200.208349	242.945494	213.325117
6.953098	6.769379	7.023969	7.356298	10.917549	10.532548	7.048022	6.734112	8.548864	12.872338	6.893754
26,497.01	25,251.74	30,636.33	31,307.25	50,163.76	50,218.77	28,140.92	25,212.16	38,661.50	49,517.95	29,591.02
153431.231	158368.477	87331.7829	65203.7647	20177.3023	15626.4877	129022.653	119187.443	49502.332	4526.77094	97114.2516
6.268468	7.509661	4.205296	4.433542	2.970882	2.638238	5.176057	3.959901	2.630056	0.978736	4.891451
3,242.33	3,204.08	1,895.96	1,205.58	269.03	266.42	2,687.40	2,850.10	1,153.66	114.40	1,602.39
37.004961	34.478806	26.09369	31.120482	41.636551	35.989395	28.285962	26.874096	29.805709	30.624376	49.475306
36.927143	34.381725	26.050783	31.086547	41.624263	35.983552	28.183503	26.788363	29.774401	30.612661	49.370256
-23254.678	-22047.656	-28740.368	-30101.665	-49894.73	-49952.342	-25453.522	-22362.067	-37507.841	-49344.699	-26709.978
-57.136801	-59.91211	-70.442078	-78.389753	-127.28247	-122.43221	-66.285212	-59.473581	-89.94686	-125.87934	-65.465633
-8338526.9	-7072325.4	-7630749.8	-7393020.7	-8082424.1	-8263112.8	-7114897.4	-7200551.7	-8378937.5	-8488839.7	-9609909.2
-81.866521	-87.481277	-85.946567	-83.154617	-73.496855	-74.802001	-85.4473	-86.425128	-78.919915	-72.257673	-78.334676
-8338526.9	-7072325.4	-7630749.8	-7393020.7	-8082424.1	-8263112.8	-7114897.4	-7200551.7	-8378937.5	-8488839.7	-9609909.2
75395.286	55615.6327	58153.1969	57659.3742	59876.8861	60286.2375	55167.6578	58123.7777	67551.5265	68016.579	93110.2599
3132973.76	2417948.95	2536294.92	2469038.26	2505657.27	2519439.14	2353537.16	2478765.04	2839089.86	2821319.2	3840088.1
8045185.1	6891939.5	7430031.98	7177526.22	7846202.74	8023228.41	6899212.49	6972408.45	8121599.23	8233075.13	9242454.8
8547407.19	7362450.93	7953395.24	7798226.43	9057492.59	9228886.58	7302909.11	7406583.66	8995551.61	9523554.65	10191258.5
	0.045701	0.05147			0.000222	0.011126		0.000218	0.007189	
788325.687	585160.229	628767.374	688824.626	858248.955	853898.394	632168.938	640924.824	810168.454	895748.783	962973.999
3.94	4.49	4.96	3.78	3.69	4.11	4.72	3.86	3.85	4.27	4.81
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
11147973.7	9066877.08	9246424.21	9074519.92	10031666.1	10133796.2	8731940.57	8980943.29	10489385.7	10650349.7	14322868.5
6922787.47	5255924.84	5021238.02	5097874.1	5972173.46	5908609.97	4755294.75	5087144.26	6181352.73	6590678.88	10024984.6
1763798.88	1084268.11	1222852.97	1306363.03	1462047.42	1456347.86	1313896.29	1351333.79	1523273.47	1514205.94	2356321.31
78637.614	58819.7126	60049.1574	58864.9553	60145.9207	60552.6606	57855.0589	60973.8755	68705.187	68189.8333	95991.2982
45415.6975	52135.3623	62261.0197	47047.6265	43553.5174	49462.7554	48286.213	49240.5855	46383.0858	45916.0554	47507.1945
6922787.47	5255924.84	5021238.02	5097874.1	5972173.46	5908609.97	4755294.75	5087144.26	6181352.73	6590678.88	10024984.6
75110.4963	44983.2268	53580.2795	56110.3525	64614.7126	62817.4244	56095.905	55348.9863	62005.9361	61789.248	112638.277
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97
26590.61	26474.2666	25369.4434	21561.4153	18435.7707	18721.8526	20284.9089	21621.4755	24197.319	23577.2613	27499.5382
851612.027	798860.315	604840.346	533744.318	502892.207	501619.327	479139.443	569992.321	676238.365	683570.817	1240080.25
-570412.47	-619707.44	-730710.25	-627899.81	-493200.3	-512736.13	-613577.08	-609118.23	-621225.93	-569384.44	-282790.72
1422024.5	1418567.76	1335550.59	1161644.12	996092.508	1014355.46	1092716.52	1179110.56	1297464.3	1252955.26	1522870.97

2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10	2032-11	2032-12
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
-3960795	-3960795	-3876522.7	-4466428.4	-3876522.7	-4129339.4	-4129339.4	-4045067.2	-4297883.9	-4045067.2	-3961035.2
-3960795	-3960795	-3876522.7	-4466428.4	-3876522.7	-4129339.4	-4129339.4	-4045067.2	-4297883.9	-4045067.2	-3961035.2
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
41.556335	33.76627	31.886323	25.206225	26.326342	29.146299	28.546332	25.126301	27.866328	29.316275	30.60635
26.247576	26.247576	26.247558	26.247649	26.247631	26.247649	26.247576	26.247558	26.247668	26.247631	26.247649
41.431886	33.641847	31.761879	25.081821	26.201891	29.021865	28.421884	25.001866	27.741882	29.19185	30.481895
41.527616	33.737557	31.857605	25.177517	26.297623	29.117583	28.517613	25.097585	27.83761	29.287561	30.57763
40.809642	33.019736	31.13966	24.4598	25.579632	28.399694	27.799647	24.379691	27.119652	28.569729	29.85962
41.087259	33.297294	31.417265	24.737317	25.857255	28.677278	28.077261	24.657277	27.397262	28.847291	30.137251
41.50847	33.718415	31.83846	25.158378	26.278476	29.09844	28.498467	25.078441	27.818464	29.268419	30.558483
41.546762	33.756699	31.87675	25.196656	26.316769	29.136727	28.536759	25.116729	27.856755	29.306704	30.596777

24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756	24.184756
1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
41.25	33.46	31.58	24.9	26.02	28.84	28.24	24.82	27.56	29.01	30.3
6.916449	6.170526	5.618814	5.290357	5.315741	5.352062	5.336745	5.319911	5.407843	6.282847	7.003826
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
0.027579	0.031648	0.036277	0.029127	0.019375	0.030714	0.031326	0.036119	0.026519	0.035	0.030106
8226.675	8192.25	7979.625	9262.125	8119.575	8549.1	8543.7	8327.925	8936.55	8337.6	8205.3
21.879454	21.846	21.683763	21.844634	22.064062	21.808928	21.795153	21.687304	21.903308	21.656103	21.822606
8460	8460	8280	9540	8280	8820	8820	8640	9180	8640	8460
22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558	22.5

8.76	5.36	3.44	13.3	9.44	6.18	7.76	15.1	3.58	2.62	7.52

7.723579	6.593299	6.499109	2.44894	3.29665	5.93397	4.23855	3.86179	1.50704	1.13028	1.13028
0.085829	0.023431	0.034312	0.013417	0.017184	0.033925	0.023941	0.02137	0.00216	0.001295	0.001347
0.083085	0.022526	0.033125	0.012971	0.016413	0.033061	0.02329	0.020911	0.002132	0.001276	0.001329
56986.8899	8101.80336	5768.26007	5765.35056	11517.8328	43691.8091	27459.8775	13504.8062	2873.31489	736.058059	1728.88982
192.368915	30.151826	24.296161	24.847219	39.459222	131.964861	87.033928	53.347431	12.184577	2.661159	5.233503
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29

0.033829	0.032659	0.030543	0.031179	0.027853	0.034081	0.027372	0.033723	0.02924	0.030338	0.027154
17066.4745	4627.17794	6659.42138	3004.661	3299.66408	7080.07392	4987.73726	4386.80506	475.28274	267.68798	273.151
91377.2238	25239.6376	37393.8189	15568.1949	18071.9099	38872.761	27594.201	22971.1857	2555.45248	1703.46143	1738.91624
4.533033	3.706689	3.851877	1.368106	1.868146	3.441088	2.424933	2.149894	0.815754	0.701237	0.765604
8785.39304	1287.10734	877.409304	926.276958	1776.93038	6685.46692	4177.4762	2147.14362	442.812522	104.798745	231.926048
21070.24	21095.76	20692.08	23825.24	20749.5	21961.12	22113.66	21520.9	22972.06	21596.3	21215.82
56.037872	56.25536	56.228478	56.191603	56.38451	56.023265	56.412397	56.04401	56.304068	56.094285	56.425053
21808	21808	21344	24592	21344	22736	22736	22272	23664	22272	21808
58	58.154666	58	58	58	58	58	58	58	57.84935	58
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
50.819471	41.96061	43.248538	15.412063	21.034046	38.631681	27.224529	24.298657	9.443441	7.852928	8.364431
50.819471	41.96061	43.248538	15.412063	21.034046	38.631681	27.224529	24.298657	9.443441	7.852928	8.364431
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
133470.257	34527.4087	50190.392	21587.9708	26666.3046	58396.1697	39856.1112	33659.65	3257.36586	2134.02445	2172.01353
24368.0824	4405.52412	5795.52418	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
133470.257	34527.4087	50190.392	21587.9708	26666.3046	58396.1697	39856.1112	33659.65	3257.36586	2134.02445	2172.01353
254.69	188.84	172.22	102.34	130.26	229.37	174.8	113.48	127.71	107.94	94.89
52115.2845	22020.0812	38626.6077	12903.7052	9976.07796	2495.29335	5273.58985	13992.5279	207.36779	1250.59697	288.716417
63214.754	25026.0968	43663.9013	14914.1155	12217.1213	3051.35019	6324.67007	17074.3314	217.459344	1353.7115	313.865397
29.593516	32.060903	36.039758	11.282553	12.003126	7.173708	8.112284	16.739854	1.219369	4.209533	1.659249
879.189026	354.609894	613.866872	220.658673	161.666175	41.894787	86.024106	237.781234	3.44731	17.293686	4.376786
64.246274	62.341929	63.222442	60.185594	62.564272	66.159132	63.912767	61.218487	60.44986	65.512011	71.736905
52.625359	37.947033	30.93394	14.40951	21.238719	41.668436	28.107648	23.835658	9.637295	7.791064	8.608428
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
4.818936	1.310026	1.92125	0.752358	0.951956	1.917551	1.350867	1.212864	0.123676	0.073818	0.077127
24368.0824	4405.52412	5795.52418	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
24368.0824	4405.52412	5795.52418	2918.91497	5172.39384	12209.0672	7122.64385	6162.31583	176.683174	147.369422	154.407288
932.730973	136.650105	93.153127	98.341326	188.653824	709.785212	443.515893	227.958765	47.012689	11.126313	24.623213
56986.8899	8101.80336	5768.26007	5765.35056	11517.8328	43691.8091	27459.8775	13504.8062	2873.31489	736.058059	1728.88982
14.31	5.59	10.15	4.1	2.83	1.38	2.36	3.71	0.17	0.43	0.22
-24368.082	-4405.5241	-5795.5242	-2918.915	-5172.3938	-12209.067	-7122.6438	-6162.3158	-176.68317	-147.36942	-154.40729
-87582.836	-29431.621	-49459.426	-17833.031	-17389.515	-15260.417	-13447.314	-23236.647	-394.14252	-1501.0809	-468.27269
5.14	0.65	0.53	0.28	1.35	6.51	4.07	1.64	0.67	0.06	0.26
9026.9343	2222.8295	2841.3691	1274.5909	1684.3974	4293.1637	2844.3253	2004.8776	203.9867	135.1257	164.5869
0.62	0.32	0.41	0.07	0.11	0.18	0.1	0.1	0.08	0.02	

312.3994	161.2384	206.5867	35.2709	55.4257	90.6966	50.387	50.387	40.3096	10.0774	
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
91377.2238	25239.6376	37393.8189	15568.1949	18071.9099	38872.761	27594.201	22971.1857	2555.45248	1703.46143	1738.91624
1811.92	491.26	707.02	319	350.32	751.68	529.54	465.74	50.46	28.42	29
312.3994	161.2384	206.5867	35.2709	55.4257	90.6966	50.387	50.387	40.3096	10.0774	
109102.174	30121.8846	44394.8678	18669.0558	21493.9108	46187.1024	32733.4674	27497.3341	3080.68268	1986.65503	2017.60624
17412.5512	4721.0086	6794.4622	3065.59	3366.5752	7223.6448	5088.8794	4475.7614	484.9206	273.1162	278.69
0.92	0.63			0.01				0.02		
10.837924	10.966922	11.010206	11.227435	11.247656	11.146562	11.180048	11.215706		11.138159	11.08526
0.746641	0.635293	0.602736	0.503905	0.488889	0.529961	0.518793	0.512378		0.517054	0.58629
0.722131	0.613425	0.579057	0.485909	0.470155	0.511477	0.500763	0.378416		0.446881	0.569743
1106294.6	872766.098	686859.086	851721.063	726247.276	870585.115	849887.844	579666.483		717863.714	919148.391
3864.78439	3461.52402	3064.01762	3855.25663	3096.71623	3023.47739	3088.86367	2594.00166		2749.51226	3051.51516
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
0.0325	0.035957	0.03913	0.035683	0.03932	0.03579	0.036938	0.040468	0.035588	0.04039	0.029547
324547.835	279555.857	259576.331	255980.616	215653.099	247645.084	242980.728	180127.408		211558.327	261885.995
467761.622	400878.066	374248.793	368534.395	311399.688	358274.067	351903.586	258541.093		306599.124	378242.906
3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531	3.3531		3.3531	3.3531
620892.464	534818.309	496595.478	489716.516	412565.943	473769.811	464846.432	344601.743		404732.235	501014.098
40379.58	40235.28	39249.6	45384.57	39241.83	41954.67	41904.72	31437.42		36777.63	40502.79
107.3925	107.29408	106.656521	107.03908	106.635407	107.027219	106.899795	81.868281		95.526311	107.720186
41736	41736	40848	47064	40848	43512	43512	42624	45288	42624	41736
111	111.296	111	111	111	111	111	111	111	110.711688	111
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
38.424442	38.998866	39.160892	39.900356	40.041055	39.655807	39.791728	39.955991		40.214217	39.340084
38.188847	38.633053	38.766163	39.495759	39.558019	39.216504	39.328499	39.464191		39.185313	39.016444
1151113.71	991316.865	923539.849	909495.149	768140.163	882250.443	865996.995	640073.827		764929.386	930047.636
1423894.71	997399.848	884371.674	674392.587	585514.962	763443.659	722428.75	492653.696		642312.985	827572.895
272781.007	6082.98379	-39168.175	-235102.56	-182625.2	-118806.78	-143568.24	-147420.13		-122616.4	-102474.74
1423894.71	997399.848	884371.674	674392.587	585514.962	763443.659	722428.75	492653.696		642312.985	827572.895
363.78	362.48	353.6	408.87	353.53	377.97	377.52	283.22		331.33	364.89
38116.448	110293.867	227743.883	48837.2059	33247.4277	2631.30832	7172.27097	53316.1244		28706.2118	4099.44426
54484.8974	134624.885	281282.322	55745.0021	37515.4197	2819.07818	7693.12295	62406.9852		32183.4814	4463.28949

17.628957	29.371995	46.915329	25.309985	25.917583	8.011207	13.360318	27.103455		20.142445	7.363202
1020.48546	2975.07172	6090.20175	1307.58146	878.235772	68.906989	188.107629	1436.87321		762.260689	110.537893
36.980026	31.011551	28.541751	24.233998	25.223225	27.356872	27.311534	23.97279		29.23109	30.455953
36.966626	30.941179	28.276907	24.17782	25.168509	27.352278	27.301011	23.877118		29.195649	30.44854
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
80.156643	68.27184	64.275407	53.935948	52.187239	56.774056	55.584801	42.004182		49.474997	63.241563
103139.854	-140040.86	-174848.72	-368903.63	-295347.08	-248250.87	-270574.27	-241572.73		-233197.94	-239362.55
103139.854	-140040.86	-174848.72	-368903.63	-295347.08	-248250.87	-270574.27	-241572.73		-233197.94	-239362.55
29118.4125	22626.8683	17563.1483	21561.2605	18326.6682	22186.523	21601.1344	14692.7328		18285.6133	23668.2901
1106294.6	872766.098	686859.086	851721.063	726247.276	870585.115	849887.844	579666.483		717863.714	919148.391
20.27	20.79	26.15	4.18	2.99	0.21	0.65	4.26		4.17	0.51
-272781.01	-6082.9838	39168.1748	235102.562	182625.201	118806.784	143568.245	147420.131		122616.401	102474.74
-327265.9	-140707.87	-242114.15	179357.56	145109.782	115987.706	135875.122	85013.1463		90432.9192	98011.451
279.27	253.97	218.63	352.44	309.61	350.54	348.08	234.52		276.43	347.05
							0.23177	1	0.101562	
101633.927	88314.9395	76441.1943	87812.4585	80210.5746	104781.943	100279.734	61455.5091		80455.9995	107382.741
0.69	0.85	0.92	0.92	0.89	0.93	0.92	0.73		1.89	0.7
6702.66	8256.9	8936.88	8936.88	8645.46	9034.02	8936.88	7091.22		18359.46	6799.8
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
1088654.09	935696.376	870844.271	858250.911	723965.631	832043.878	816750.018	603142.836		711331.359	879257.004
30138.898	25601.94	23653.35	22868.842	19204.904	22255.43	21789.242	16129.606		19047.874	23778.828
6702.66	8256.9	8936.88	8936.88	8645.46	9034.02	8936.88	7091.22		18359.46	6799.8
1320754.86	1137440.71	1059220.4	1043296.22	880862.038	1011694.53	993003.022	734226.423		875510.923	1066935.45
55756.9613	47363.589	43758.6975	42307.3577	35529.0724	41172.5455	40310.0977	29839.7711		35238.5669	43990.8318
24.5	68.63	85.68	34.9	23.75	3.99	8.5	29.34		27.31	7.97

0.022313	0.025265	0.035706	0.030801	0.032119	0.036734	0.031096	0.026354	0.026691	0.031484	0.03718

1102.83	1099.5	1064.58	1232.82	1068.54	1132.8	1139.43	1121.64	1191.33	1115.73	1086.06
2.933058	2.932	2.89288	2.907594	2.903641	2.889795	2.906709	2.920937	2.919926	2.898	2.888457
1128	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

11.31802	11.388572	11.461348	11.741977	11.70331	11.582657	11.587308	11.804887	11.540269	11.499687	11.474291
0.812092	0.764268	0.718723	0.595013	0.617224	0.653212	0.665946	0.590526	0.682744	0.705059	0.722647
0.771543	0.728302	0.683025	0.359567	0.591461	0.625638	0.633226	0.493546	0.65175	0.672071	0.603946
371453.755	352455.962	326580.813	201917.924	289238.601	323520.601	326716.089	251002.955	348691.46	337251.146	293870.962
1302.08649	1410.05554	1467.57167	916.059287	1235.96116	1126.39455	1194.88373	1162.40888	1549.1545	1308.22921	972.203241
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
0.050877	0.047739	0.051195	0.05158	0.042989	0.042882	0.046887	0.0475	0.045269	0.045286	0.043563
140022.624	133229.094	123131.457	76233.7519	109015.154	121846.57	123016.411	94955.4169	131291.79	126904.637	110756.622
201535.547	190894.418	177353.702	109690.886	157371.284	176030.263	177777.737	136145.962	189682.793	183501.775	159590.152
2.5466	2.5466	2.5466	2.546599	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466	2.5466
154949.036	147431.316	136257.27	84360.2698	120636.169	134835.414	136129.96	105077.664	145287.494	140432.671	122563.278
15345.41	15396.15	15013.88	11001.98	15143.74	16133.17	16026.1	13780.21	16749.79	15725.96	13512.75
40.81226	41.0564	40.798586	25.948066	41.151467	41.156045	40.882908	35.885963	41.053406	40.846649	35.938164
16168	16168	15824	18232	15824	16856	16856	16512	17544	16512	16168
43	43.114666	43	43	43	43	43	43	43	42.888311	43
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
30.58598	30.775173	31.013622	32.668691	31.619928	31.286119	31.358951	32.764797	31.177186	31.001682	31.502707
30.020377	30.220693	30.388842	31.101087	30.995897	30.685793	30.696912	31.273576	30.574549	30.469258	30.419491
377555.774	358221.65	332586.738	210950.835	294571.862	329382.384	333154.441	261909.714	355129.811	342632.455	303240.205
561194.287	433344.053	384963.886	190719.841	278964.46	346708.16	339074.209	237523.026	353032.095	352653.383	325276.362
183638.513	75122.4034	52377.1489	-20230.994	-15607.402	17325.7761	5919.76835	-24386.688	-2097.7168	10020.9282	22036.1572
561194.287	433344.053	384963.886	190719.841	278964.46	346708.16	339074.209	237523.026	353032.095	352653.383	325276.362
356.87	358.05	349.16	255.86	352.18	375.19	372.7	320.47	389.53	365.72	314.25

41.042634	29.886965	27.996478	25.392414	24.034437	27.084767	27.121755	24.398548	27.766815	27.27619	25.727247
12.31279	10.161568	10.078732	12.696207	6.969986	9.479668	7.865308	14.883114	26.100806	18.002285	4.888176
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
33.176356	31.400506	29.370108	15.461415	25.432853	26.902474	27.228724	21.2225	28.025269	28.824025	25.969707
110448.687	5483.5558	-11983.664	-60078.376	-72589.623	-46363.426	-58380.91	-74019.885	-70723.935	-56312.125	-35856.329
110448.687	5483.5558	-11983.664	-60078.376	-72589.623	-46363.426	-58380.91	-74019.885	-70723.935	-56312.125	-35856.329

12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
371453.755	352455.962	326580.813	201917.924	289238.601	323520.601	326716.089	251002.955	348691.46	337251.146	293870.962
-183638.51	-75122.403	-52377.149	20230.994	15607.4023	-17325.776	-5919.7683	24386.6883	2097.71682	-10020.928	-22036.157
-183638.51	-75122.403	-52377.149	20230.994	15607.4023	-17325.776	-5919.7683	24386.6883	2097.71682	-10020.928	-22036.157
3.16	3.88	3.96	9.08	3.23	3.67	3.34	15.23	57.12	9.94	2.41
			0.35849			0.002551	0.122395		0.002604	0.125
97908.7412	86309.9755	74440.2816	51758.8491	79212.4829	103054.853	98126.5598	64284.9652	84796.4795	90881.3179	88268.237
1.27	1.2	1.25	1.88	1.11	1.22	1.34	2.27	1.34	1.12	1.95
6102.0198	5765.688	6005.925	9032.9112	5333.2614	5861.7828	6438.3516	10906.7598	6438.3516	5381.3088	9369.243
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
356484.583	338325.734	313610.973	194051.156	278007.453	310865.677	313907.697	241223.627	334970.288	323934.446	282153.43
12474.31	11775.19	10808.2	6555.64	9359.29	10545.77	10673.66	8149.44	11434.31	11097.25	9764.61
6102.0198	5765.688	6005.925	9032.9112	5333.2614	5861.7828	6438.3516	10906.7598	6438.3516	5381.3088	9369.243
450745.6	427860.497	396947.55	250798.217	351554.083	393071.586	397455.119	311542.911	423756.03	408965.508	361132.691
14969.172	14130.228	12969.84	7866.768	11231.148	12654.924	12808.392	9779.328	13721.172	13316.7	11717.532
0.036861	0.02093	0.0325	0.025188	0.040434	0.043239	0.019081	0.019192	0.035808	0.026484	0.017925
1086.42	1104.39	1068.12	1239.96	1059.36	1125.15	1153.56	1129.89	1180.17	1121.49	1107.78
2.889414	2.94504	2.9025	2.924433	2.878695	2.87028	2.942755	2.942421	2.892573	2.912961	2.946223
1128	1128	1104	1272	1104	1176	1176	1152	1224	1152	1128
3	3.008	3	3	3	3	3	3	3	2.992207	3

10.150742	5.338327	3.50375	2.248434	3.099823	5.795614	2.9641	3.95252	0.14	0.14
0.026327	0.003575	0.003488	0.002317	0.004858	0.011538	0.005935	0.006119	0.000019	0.000042
0.025696	0.003478	0.003369	0.002283	0.004782	0.011255	0.005795	0.005906	0.000019	0.000042
6131.91527	285.666512	178.13027	98.469248	1871.51256	11748.0215	3786.23114	1516.19252	19.226703	
20.331249	1.105343	0.745088	0.419784	5.987286	34.524896	11.541532	5.834226	0.072663	

483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
0.030106	0.028643	0.03269	0.024882	0.029361	0.028545	0.030637	0.034921	0.026973	0.029895	0.035013
6853.1	921	869.2	683.6	1251.2	3137	1610.8	1608.6	5.6		11.2
32427.0648	4441.64384	4828.07785	3384.22596	7036.65649	17165.7023	9110.57286	8526.5799	19.226703		57.522573
3.564389	1.916702	1.392892	0.834819	1.196475	2.231481	1.141502	1.446108	0.034333		0.051359
1264.82536	63.955871	36.415129	16.764475	332.745841	2123.1762	652.372196	285.463723	5.6		
18283.5	18289.7	17730.7	20725.6	17927.1	19034.5	18981.2	18520.2	19793.5	18605	18104.4
48.626329	48.772533	48.18125	48.881132	48.714945	48.557397	48.421428	48.229687	48.51348	48.324675	48.15
18800	18800	18400	21200	18400	19600	19600	19200	20400	19200	18800
50	50.133333	50	50	50	50	50	50	50	49.870129	50
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
73.052076	32.652794	20.611625	15.599716	23.689309	54.467081	29.652605	34.115759	0.480667		0.719032
51.12806	26.979986	19.662083	11.765172	16.949222	31.643041	16.195723	20.445475	0.480667		0.719032
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
39213.6808	5121.76431	5210.65244	3788.46342	8469.63345	20549.1411	10667.8247	9920.70584	19.967759		63.13696
6614.99694	666.660461	360.038581	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
39213.6808	5121.76431	5210.65244	3788.46342	8469.63345	20549.1411	10667.8247	9920.70584	19.967759		63.13696
288.02	211.79	166.17	152.37	184.01	334.82	242.13	170.09	148.69	108.6	108.09
26466.7685	4169.43733	4672.48358	3310.06071	5184.90593	5456.36583	5349.72472	7025.47438			57.522573
31877.6977	4806.0494	5022.89226	3689.54526	6176.77391	6407.08537	6166.72256	8165.86444			63.13696
14.384598	7.622849	4.858769	3.365929	3.931131	5.494896	3.868883	5.580343			0.4
393.227279	60.831723	59.398919	47.202537	64.487323	70.337355	67.214148	93.063772			0.8
74.578344	71.285701	75.1363	79.567441	79.120953	82.57307	80.91781	77.299974	50.3406		
40.99488	7.841427	1.4815	2.387023	11.868143	33.029228	15.3368	13.140995	0.503406		
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
1.28484	0.1744	0.168478	0.11415	0.23913	0.562755	0.289795	0.295312	0.00098		0.002127
6614.99694	666.660461	360.038581	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
6614.99694	666.660461	360.038581	379.933462	1413.21495	3344.75375	1531.86884	1379.03894	0.741056		5.614386
89.87272	4.568276	2.60108	1.197462	23.512676	150.262644	46.385851	20.336227	0.4		
6131.91527	285.666512	178.13027	98.469248	1871.51256	11748.0215	3786.23114	1516.19252	19.226703		
6.05	0.89	0.91	0.8	1.05	1.7	1.36	1.4			0.01
-6614.9969	-666.66046	-360.03858	-379.93346	-1413.215	-3344.7538	-1531.8688	-1379.0389	-0.741056		-5.614386
-38492.695	-5472.7099	-5382.9308	-4069.4787	-7589.9889	-9751.8391	-7698.5914	-9544.9034	-0.741056		-68.751347
0.73	0.04	0.05	0.02	0.22	1.5	0.24	0.14	0.01		
4166.4876	458.5224	372.8956	313.047	770.9592	2247.39	1045.8563	858.1609	2.646		6.7223

0.21	0.02	0.04	0.03	0.02	0.03	0.02	0.01			
130.656	10.994	21.988	21.564	10.994	16.491	16.067	5.497			
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
32427.0648	4441.64384	4828.07785	3384.22596	7036.65649	17165.7023	9110.57286	8526.5799	19.226703		57.522573
483.1	65.4	62	48.4	88	220.6	113.6	113.4	0.4		0.8
130.656	10.994	21.988	21.564	10.994	16.491	16.067	5.497			
32598.6838	4455.10384	4850.61385	3408.52996	7056.41849	17204.3873	9135.95586	8541.6669	19.226703		57.522573
40.963	2.466	0.548	2.74	8.768	22.194	9.316	9.59			
0.09	0.05									

0.033696	0.031489	0.022173	0.032429	0.034728	0.036173	0.034005	0.028906	0.022058	0.024557	0.027819

1453.32	1456.64	1439.36	1641	1420.88	1511.28	1514.68	1491.6	1596	1498.28	1462.16
3.865212	3.884373	3.911304	3.870283	3.861086	3.855306	3.863979	3.884375	3.911764	3.891636	3.888723
1504	1504	1472	1696	1472	1568	1568	1536	1632	1536	1504
4	4.010666	4	4	4	4	4	4	4	3.98961	4

10.26646	10.358763	10.395121	10.684175	10.666309	10.534016	10.568171	10.689997	10.506918	10.537042	10.502777
0.667566	0.550521	0.509104	0.334404	0.357347	0.403804	0.401373	0.375156	0.427318	0.42155	0.485088
0.634502	0.521019	0.478411	0.231914	0.339656	0.379867	0.37888	0.353088	0.402335	0.400863	0.454636
485820.715	402038.365	363820.207	208534.689	266670.091	314200.015	313696.681	286261.928	344726.662	323894.045	354749.899
1700.40666	1597.0625	1631.16118	946.251377	1120.97916	1071.4399	1127.82783	1302.22945	1528.27301	1248.30725	1176.25284
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
0.052845	0.056888	0.062228	0.063962	0.050271	0.061301	0.059974	0.058489	0.058897	0.050885	0.063829
141758.694	117742.793	106317.644	60889.2925	77690.9277	91492.8345	91298.4669	83887.5619	100321.709	94272.6372	103518.799
204380.234	168396.997	153426.314	87883.2241	112699.768	132736.071	132620.531	120193.832	145778.345	136918.762	149344.972
3.3652	3.3652	3.3652	3.365199	3.365199	3.365199	3.365199	3.365199	3.3652	3.365199	3.365199
272913.838	226678.426	204682.728	117224.066	149570.574	176142.005	175767.809	161500.334	193139.354	181493.681	199294.391
20869.218	20780.146	20167.776	17156.322	20480.7	21563.042	21593.514	21186.244	22500.642	21357.356	20627.2

55.503239	55.413722	54.803739	40.463023	55.654076	55.00776	55.085494	55.17251	55.148632	55.473651	54.859574
22033.6	22033.6	21564.8	24846.4	21564.8	22971.2	22971.2	22502.4	23908.8	22502.4	22033.6
58.599999	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792	58.599999
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
37.738944	38.802579	39.618544	47.040806	40.914408	40.484744	40.06361	41.202176	40.163417	40.23583	39.797458
35.155607	35.483249	35.590058	36.561751	36.496919	36.048703	36.16349	36.590952	35.955123	36.055132	35.951173
512848.787	430412.62	396877.946	257662.62	294854.844	346240.656	342031.819	317272.781	380312.528	355736.631	385481.864
677385.836	466203.853	409986.791	185129.354	244079.614	326511.964	313669.593	263648.489	330308.222	316854.209	365214.443
164537.049	35791.2325	13108.8447	-72533.267	-50775.23	-19728.692	-28362.226	-53624.292	-50004.306	-38882.422	-20267.421
677385.836	466203.853	409986.791	185129.354	244079.614	326511.964	313669.593	263648.489	330308.222	316854.209	365214.443
356.13	354.61	343.97	292.77	349.5	367.97	368.49	361.54	383.97	364.46	352
1.37836	39.819404	582.116459	87.561485	68.273805	0.932838	0.701518	278.888079	58.842198	20.83426	
1.609433	45.121969	690.43858	88.542935	69.747659	0.852059	0.637716	319.892154	65.402342	19.497954	
0.034846	0.954108	4.904708	1.888394	1.026514	0.022746	0.018382	2.507187	0.687062	0.545942	
0.034846	1.025035	16.119236	2.280194	1.853288	0.022746	0.018382	7.954003	1.696358	0.545942	
42.750149	34.002419	31.141298	25.945232	25.450455	28.218207	28.724496	23.050456	27.743287	27.054147	31.595884
37.192629	30.934427	29.505439	20.644299	22.138848	26.241437	25.563769	23.047062	27.743237	27.051919	30.332048
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272
37.181819	30.613162	28.034929	13.590165	19.90388	22.260255	22.202423	20.690958	23.576848	23.429579	26.64168
90439.78	-25752.926	-42463.388	-104360.1	-91384.278	-67551.997	-76083.934	-97472.32	-102442.46	-88158.729	-74376.698
90439.78	-25752.926	-42463.388	-104360.1	-91384.278	-67551.997	-76083.934	-97472.32	-102442.46	-88158.729	-74376.698
13980.3292	11478.911	10300.7348	5759.94981	7322.77471	8725.99725	8703.33162	7937.374	9617.65764	9019.84206	10017.272
485820.715	402038.365	363820.207	208534.689	266670.091	314200.015	313696.681	286261.928	344726.662	323894.045	354749.899
	0.02	0.09	0.01				0.03	0.01		
-164537.05	-35791.232	-13108.845	72533.2668	50775.2299	19728.6922	28362.2257	53624.2916	50004.306	38882.4217	20267.4215
-164538.66	-35836.354	-13799.283	72444.7238	50705.4822	19727.8402	28361.588	53304.3995	49938.9037	38862.9238	20267.4215
16.63	20.03	20.29	15.39	21.05	20.32	22.11	89.63	344.17	64.49	16.92
		0.002717	0.261792							
93139.023	80488.044	69048.12	52885.6031	74723.3644	94585.4185	91246.5534	71941.1899	78249.7475	84374.136	94803.3577
1.24	1.3	1.49	2.25	1.29	1.47	1.3	1.41	1.63	1.46	1.41
27026.6928	28334.436	32475.6228	49040.37	28116.4788	32039.7084	28334.436	30731.9652	35527.0236	31821.7512	30731.9652
586946.056	491956.778	452450.178	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
586946.056	491956.778	452450.178	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
477294.072	395075.423	358109.042	205107.29	262270.342	308878.076	308388.34	281694.166	338917.698	318412.443	348639.363
13980.364	11479.936	10316.854	5762.23	7324.628	8726.02	8703.35	7945.328	9619.354	9020.388	10017.272

27026.6928	28334.436	32475.6228	49040.37	28116.4788	32039.7084	28334.436	30731.9652	35527.0236	31821.7512	30731.9652
586946.056	491956.778	452450.178	289489.453	335463.892	394063.961	389753.528	361120.809	432750.685	405012.938	439591.141
8528.02204	7002.76096	6293.28094	3514.9603	4468.02308	5322.8722	5309.0435	4846.65008	5867.80594	5502.43668	6110.53592
0.02	0.07	0.68	0.21	0.1	0.01	0.01	0.4	0.32	0.07	
7.35	3.75	2.4	0.9	2.25	5.25	2.7	3.15			0.15
0.020074	0.002278	0.001834	0.001353	0.003837	0.009204	0.00462	0.004886			0.000028
0.019414	0.002127	0.001739	0.001273	0.003722	0.00875	0.004464	0.004843			0.000026
866.410691	4.9437			273.744527	1795.67633	410.843598	240.364546			
2.857865	0.019148			0.845038	5.19567	1.249659	0.937829			
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
0.03242	0.033218	0.031956	0.037948	0.024184	0.027627	0.02954	0.033697	0.03424	0.030468	0.017898
1533	168	134.4	113.4	287.7	720.3	367.5	390.6			2.1
7133.89355	800.738814	751.471074	546.990591	1628.03876	3911.21158	2086.46515	2070.21557			10.785482
2.363799	1.303338	0.896557	0.292742	0.84045	1.881672	0.975654	1.107957			0.051359
177.300554	1.245417			49.536276	327.106799	70.528265	46.446373			
5093.34	5089.14	4987.36	5710.74	5027.4	5336.38	5325.88	5194.84	5516.42	5212.2	5169.78
13.546117	13.57104	13.552608	13.468726	13.661413	13.613214	13.586428	13.528229	13.520637	13.538181	13.749414
5264	5264	5152	5936	5152	5488	5488	5376	5712	5376	5264
14	14.037333	14	14	14	14	14	14	14	13.963636	14
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
36.326806	19.550071	13.448368	4.516142	12.606753	28.657782	14.759815	16.619362			0.770391
36.326806	19.550071	13.448368	4.516142	12.606753	28.657782	14.759815	16.619362			0.770391
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
8470.34424	935.585305	800.649376	626.293013	1939.13077	4575.67268	2416.79765	2369.05471			11.857774
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146			1.072291
8470.34424	935.585305	800.649376	626.293013	1939.13077	4575.67268	2416.79765	2369.05471			11.857774
138.46	117.89	92.16	85.32	115.81	179.1	132.12	100.21	83.85	57.08	58.79
6361.98286	795.795114	751.471074	567.990591	1354.29423	2136.53525	1686.12155	1829.85102			10.785482
7466.39508	930.603085	800.649376	626.293013	1604.52961	2464.7982	1929.64764	2108.29234			11.857774
6.709972	3.486162	2.24	0.84	1.904692	3.949838	2.28047	2.76783			0.14
90.379963	11.116972	8.96	7.56	15.877581	26.21288	19.798115	22.943575			0.14
81.528906	59.542669			83.358856	84.587965	88.503319	81.578564			
21.197515	0.595426			5.001531	21.146991	10.620398	8.157856			
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14

0.271808	0.029866	0.024347	0.01783	0.052119	0.1225	0.0625	0.067812			0.000372
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146			1.072291
1241.95069	134.84649	49.178302	58.302421	311.092006	643.461103	319.832504	298.839146			1.072291
11.820036	0.083027			3.302418	21.807119	4.701884	3.096424			
866.410691	4.9437			273.744527	1795.67633	410.843598	240.364546			
4.11	0.56	0.6	0.34	0.69	1.26	0.96	1.01			0.01
-1241.9507	-134.84649	-49.178302	-58.302421	-311.09201	-643.4611	-319.8325	-298.83915			-1.072291
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0.49				0.08	0.71	0.14	0.16			
2125.2341	205.72	151.0461	124.4115	395.9348	1143.4646	550.7724	473.7149			3.3693
0.09			0.02		0.02	0.01				
94.5			21		21	10.5				
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
7133.89355	800.738814	751.471074	546.990591	1628.03876	3911.21158	2086.46515	2070.21557			10.785482
102.2	11.2	8.96	7.56	19.18	48.02	24.5	26.04			0.14
94.5			21		21	10.5				
7228.39355	800.738814	751.471074	567.990591	1628.03876	3932.21158	2096.96515	2070.21557			10.785482
0.03	0.06									

10.80578	10.919115	10.961858	11.218524	11.236384	11.118352	11.143572	11.22045	11.070008	11.098132	11.034954
0.443834	0.372184	0.352032	0.25924	0.27908	0.307585	0.302246	0.265425	0.210149	0.298267	0.332858
0.427377	0.358074	0.337222	0.228471	0.269047	0.295667	0.290708	0.232889	0.140906	0.278037	0.315806
2027554.29	1635652.84	1383206.5	1268037.49	1295819.06	1565541.24	1521957.57	1132192.73	696310.664	1379744.96	1569498.14
7082.83558	6499.91838	6187.79171	5742.8343	5499.9481	5392.99727	5511.40036	5118.75948	3089.68475	5308.70987	5205.20475
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
0.03483	0.033916	0.037008	0.035242	0.033636	0.036876	0.034318	0.035845	0.033478	0.034062	0.033186
631781.728	536243.922	496688.453	396905.321	407197.744	471921.863	464261.644	365356.391	232094.381	433003.288	476447.867
1004615.58	790651.502	748002.177	585607.916	608207.345	726990.076	701093.093	548448.868	338035.817	628723.122	688985.254
3.239306	3.173129	3.186165	3.214618	3.161462	3.191474	3.168554	3.174655	2.901046	3.120226	3.168286
1048755.34	908928.051	837535.476	691300.852	682772.686	784747.23	776744.201	611179.742	338426.848	726658.587	822871.767
10227.519	1352.30863	913.824434	943.041434	2159.21249	9135.74991	4900.37667	2479.05371	448.412522	104.798745	231.926048
132910.533	132738.956	129393.081	137180.357	130238.625	138301.212	138296.444	123710.869	100436.462	131347.546	130994.04
353.48546	353.970549	351.611633	323.538577	353.909307	352.809214	352.797051	322.163721	246.167799	341.162457	348.388404
138029.6	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6

367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
266.947723	202.740095	187.101592	155.137776	169.905502	233.183217	182.85124	188.956744	81.264714	119.304659	120.494104
36.612131	36.139617	36.449851	37.65018	37.011374	37.024775	36.804432	37.10627	33.044616	36.004427	36.390992
2190447.52	1815328.86	1703001.48	1400754.18	1387745.24	1625197.18	1585149.64	1257365.54	738542.249	1465285.13	1620855.62
2843629.12	1937532.51	1735524.04	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
653181.6	122203.651	32522.5598	-324509.67	-242111.13	-105012.42	-157036.36	-217590.92	-51924.599	-151330.52	-100544.91
2843629.12	1937532.51	1735524.04	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
1766.71	1599.02	1480.72	1310.83	1494.73	1870.6	1675.52	1364.11	1137.33	1337.75	1300.43
123061.862	137319	272376.561	65706.524	49830.9797	12720.4356	19482.4086	76442.8658	266.209989	29977.643	4456.46873
157045.354	165432.756	331460.204	75063.4989	57583.5922	14743.164	22114.8009	90075.3654	282.861687	33556.6908	4852.14962
11.819498	11.588409	14.259619	6.57897	6.959168	4.306756	4.501317	8.611287	0.476608	6.22448	1.593741
2383.31657	3402.65535	6788.54678	1585.28286	1122.12014	207.374759	361.162381	1798.6158	5.143668	780.100318	115.85468
49.633969	38.140443	34.113042	27.438031	31.478705	42.156162	35.84205	29.354064	29.636276	29.065404	32.193534
49.610186	38.083857	33.964045	27.35309	31.440442	42.150705	35.825454	29.311913	29.624691	29.033829	32.18995
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
156.890404	131.799802	123.794521	83.871867	98.767179	108.539591	106.719112	85.49363	51.726774	101.80242	115.932579
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336253.351	-155103.2	-223091.03	-529984.96	-452424.28	-345969.01	-396064.77	-405224.74	-172988.97	-377521.42	-349434.48
56607.4754	46022.2707	38767.8372	33976.3891	35224.2019	42340.1452	41472.7296	31030.9382	21099.3803	38413.8317	43474.7953
2027554.29	1635652.84	1383206.5	1268037.49	1295819.06	1565541.24	1521957.57	1132192.73	696310.664	1379744.96	1569498.14
44.74	27.85	37.9	9.43	7.56	4.55	5.33	10.41	0.18	4.6	0.75
-653181.6	-122203.65	-32522.56	324509.672	242111.133	105012.418	157036.357	217590.917	51924.5986	151330.525	100544.911
-810226.95	-287636.41	-363982.76	249446.173	184527.541	90269.2542	134921.556	127515.552	51641.7369	117773.834	95692.7612
305.42	278.57	243.46	377.21	335.54	383.25	377.98	341.32	401.97	350.92	366.64
		0.000247	0.056389			0.000231	0.032196	0.090909	0.009469	0.011363
308000.347	258000.031	223294.907	194168.96	236997.713	310106.233	294093.801	201018.418	163252.86	255846.579	290629.014
4.12	3.69	4.11	5.17	3.42	3.85	3.69	4.52	3.05	4.49	4.06
40368.928	42529.2564	47647.0025	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
2507375.77	2092635.71	1958615.08	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19
2507375.77	2092635.71	1958615.08	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19
2053370.92	1699579.55	1585537.65	1276908.77	1290980.03	1511737.31	1477837.29	1159628.61	676462.665	1355381.71	1511857.02
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
40368.928	42529.2564	47647.0025	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
2507375.77	2092635.71	1958615.08	1606229.46	1598058.38	1866153.78	1824178.06	1444999.36	859606.624	1691476.02	1869745.19

96707.6695	73220.0526	69816.8286	56757.416	54603.5867	66396.1805	63525.7286	48951.1006	20073.8985	54330.8198	62097.5897
25.56	69.44	86.36	35.11	23.86	4	8.51	29.74	0.34	27.38	7.97
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
2899.98547	2399.1995	1685.47987	3141.21744	2910.92465	4544.32402	4321.15716	3081.93876	5385.72643	3785.17695	4173.82869
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107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
304.02	276.98	242.86	378.74	335.95	383.16	377.72	343.37	407.43	351.17	366.77
215.922854	180.197042	152.352315	174.428835	206.900033	255.918213	238.888797	203.08979	205.617159	207.128106	242.176775
89.217992	82.654786	67.534731	87.256957	89.18122	132.835721	125.960216	95.224495	117.643553	107.900003	127.572221
28273.7596	23721.3465	16831.6125	33330.4502	30178.1434	51013.1572	47771.0431	33043.7055	47941.6169	38205.5969	47048.3823
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
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-4482385.1	-3206349.8	-2627027.2	-2363537.3	-2330055.2	-3357191.2	-3117283.8	-2147966.2	-2579626.1	-2917877.5	-3475781.9
-41.586866	-34.050556	-32.011562	-25.236005	-27.065487	-29.999377	-29.062016	-25.465255	-27.912033	-29.473058	-30.731738
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4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
5323289.08	3811053.49	3006022.78	3061463.33	3028191.17	4673033.58	4311682.92	2835322.98	3814050.89	3894647.79	4739373.64
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
2899.98547	2399.1995	1685.47987	3141.21744	2910.92465	4544.32402	4321.15716	3081.93876	5385.72643	3785.17695	4173.82869
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73
304.02	276.98	242.86	378.74	335.95	383.16	377.72	343.37	407.43	351.17	366.77
215.922854	180.197042	152.352315	174.428835	206.900033	255.918213	238.888797	203.08979	205.617159	207.128106	242.176775
89.217992	82.654786	67.534731	87.256957	89.18122	132.835721	125.960216	95.224495	117.643553	107.900003	127.572221

28273.7596	23721.3465	16831.6125	33330.4502	30178.1434	51013.1572	47771.0431	33043.7055	47941.6169	38205.5969	47048.3823
-107664.08	-94188.519	-82068.196	-93681.889	-86128.528	-111873.14	-107257.95	-84388.696	-92437.175	-99016.456	-113161.02
-286.34065	-251.16938	-223.0114	-220.94785	-234.04491	-285.39066	-273.61721	-219.76223	-226.5617	-257.1856	-300.96016
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-41.586866	-34.050556	-32.011562	-25.236005	-27.065487	-29.999377	-29.062016	-25.465255	-27.912033	-29.473058	-30.731738
-4482385.1	-3206349.8	-2627027.2	-2363537.3	-2330055.2	-3357191.2	-3117283.8	-2147966.2	-2579626.1	-2917877.5	-3475781.9
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
5323289.08	3811053.49	3006022.78	3061463.33	3028191.17	4673033.58	4311682.92	2835322.98	3814050.89	3894647.79	4739373.64
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91

395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	379520.215
1388.98366	1626.30837	1963.15759	2083.42097	1416.18622	977.781501	990.954742	1540.64429	1748.22112	1485.40577	1268.53337
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
319198.631	264884.6	268482.497	223273.137	164750.906	153495.614	147496.496	161182.961	212216.814	216122.819	225758.812
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
20.487274	21.012319	23.035179	21.039646	17.162576	13.632166	13.29091	16.853957	18.747421	19.254762	19.709137
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-76361.472	-139733.88	-166808.68	-234810.47	-159566.86	-120908.99	-120038.9	-171150.12	-180556.67	-164539.03	-154816.09
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7390.45324
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	379520.215
76361.472	139733.884	166808.677	234810.473	159566.862	120908.993	120038.903	171150.124	180556.666	164539.031	154816.091
76361.472	139733.884	166808.677	234810.473	159566.862	120908.993	120038.903	171150.124	180556.666	164539.031	154816.091
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589

395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
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7703.21524	7879.61994	8476.94593	8920.81032	6315.82799	5343.80928	5210.03699	6471.91985	7648.94802	7413.08373	7410.63589
319198.631	264884.6	268482.497	223273.137	164750.906	153495.614	147496.496	161182.961	212216.814	216122.819	225758.812
-76361.472	-139733.88	-166808.68	-234810.47	-159566.86	-120908.99	-120038.9	-171150.12	-180556.67	-164539.03	-154816.09
395560.102	404618.484	435291.174	458083.61	324317.767	274404.607	267535.4	332333.084	392773.481	380661.849	380574.903
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	360112.86
1317.35482	1542.80786	1860.30042	1975.67961	1345.74332	926.086143	939.119311	1462.51328	1659.62672	1409.08364	1203.74452
8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
358612.218	297632.714	301455.15	250823.662	185298.353	172314.202	165607.396	181201.801	238621.521	242835.347	253739.47
44.298984	26.580476	19.652754	25.60661	20.987765	29.799483	19.835861	26.995584	26.718172	24.947915	27.496918
1.328969	0.797414	1.179165	4.609189	1.679021	1.489974	0.396717	6.208984	10.687268	3.243229	2.474722
8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
23.017024	23.611313	25.858476	23.633943	19.316303	15.295104	14.920575	18.950565	21.079292	21.635677	22.152953
-16556.076	-86198.708	-111059.95	-183577.67	-122850.78	-87598.573	-87940.93	-134256.89	-134203.71	-118258.7	-107378.03
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8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8306.76442
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	360112.86
16556.0759	86198.7079	111059.952	183577.667	122850.781	87598.5734	87940.9304	134256.886	134203.712	118258.705	107378.026
16556.0759	86198.7079	111059.952	183577.667	122850.781	87598.5734	87940.9304	134256.886	134203.712	118258.705	107378.026
0.28	0.14	0.28	2.25	1.04	0.2	0.18	2.53	5.51	1.1	0.64
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
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8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
8654.40124	8854.24272	9515.91931	10020.7919	7108.39985	5995.6811	5848.86565	7277.017	8600.35139	8329.7359	8329.51065
358612.218	297632.714	301455.15	250823.662	185298.353	172314.202	165607.396	181201.801	238621.521	242835.347	253739.47
-16556.076	-86198.708	-111059.95	-183577.67	-122850.78	-87598.573	-87940.93	-134256.89	-134203.71	-118258.7	-107378.03
375168.294	383831.422	412515.102	434401.329	308149.133	259912.775	253548.326	315458.687	372825.233	361094.051	361117.496
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
638.5588	761.553331	940.509293	818.936373	838.603122	733.775717	726.984567	718.780117	601.587289	558.088005	570.963768

3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
147495.758	123468.859	126049.002	86963.7129	96663.7257	114910.485	108521.042	74554.8273	72552.6327	80547.0833	100996.12
3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
9.435795	9.870097	11.021258	8.293976	10.221921	10.288866	9.792399	7.861533	6.441659	7.23699	8.875205
-34261.072	-66148.06	-81730.809	-93194.058	-96046.478	-91712.177	-88131.485	-80099.769	-62089.91	-62192.069	-69962.344
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181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
34261.0716	66148.0604	81730.8094	93194.058	96046.4777	91712.1765	88131.4848	80099.7685	62089.9101	62192.0693	69962.3438
34261.0716	66148.0604	81730.8094	93194.058	96046.4777	91712.1765	88131.4848	80099.7685	62089.9101	62192.0693	69962.3438
107664.084	94188.5193	82068.1957	93681.8887	84481.2187	109723.631	107257.945	84388.6958	85110.6544	92054.772	113161.021
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
3547.85925	3701.28673	4055.82299	3516.64593	3761.66706	4033.23563	3838.62047	3018.82873	2628.1972	2786.24151	3337.07717
147495.758	123468.859	126049.002	86963.7129	96663.7257	114910.485	108521.042	74554.8273	72552.6327	80547.0833	100996.12
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181756.829	189616.919	207779.812	180157.771	192710.203	206622.661	196652.527	154654.596	134642.543	142739.153	170958.463
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	330021.056
931.927601	1484.22191	1832.58269	1635.65599	1424.93921	1032.06694	1061.14771	1515.38226	1852.47946	1387.65815	1111.89564
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
119056.52	132936.457	137593.873	96056.6257	88329.1787	85817.9804	85904.9547	86113.41	124763.816	111221.478	108885.052
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
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2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3603.54831
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	330021.056
144453.33	234276.703	267195.017	262644.025	235890.373	202394.552	199517.8	238655.513	289056.987	243006.828	222352.934

144453.33	234276.703	267195.017	262644.025	235890.373	202394.552	199517.8	238655.513	289056.987	243006.828	222352.934
107664.084	94034.5019	82068.1957	93569.6267	86128.5279	111873.141	107257.945	84388.6958	92437.1748	98933.6229	113161.021
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986
2877.37334	4009.75278	4420.05776	3916.80117	3540.28775	3147.11216	3116.64942	3546.28656	4518.68098	3867.96579	3616.59861
119056.52	132936.457	137593.873	96056.6257	88329.1787	85817.9804	85904.9547	86113.41	124763.816	111221.478	108885.052
-144453.33	-234276.7	-267195.02	-262644.02	-235890.37	-202394.55	-199517.8	-238655.51	-289056.99	-243006.83	-222352.93
263509.85	367213.159	404788.889	358700.651	324219.552	288212.532	285422.754	324768.923	413820.804	354228.307	331237.986

1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1240612.59
4276.82488	5414.89147	6596.55	6513.69294	5025.47187	3669.7103	3718.20633	5237.31994	5861.91459	4840.23558	4155.1373
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
944363.126	818922.629	833580.522	657117.137	535042.163	526538.281	507529.888	503052.999	648154.784	650726.727	689379.454
44.298984	26.580476	19.652754	25.60661	20.987765	29.799483	19.835861	26.995584	26.718172	24.947915	27.496918
1.328969	0.797414	1.179165	4.609189	1.679021	1.489974	0.396717	6.208984	10.687268	3.243229	2.474722
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
60.592683	65.186405	71.92594	62.205304	56.321148	47.244485	45.954521	52.901177	57.343572	58.174095	60.35591
-271631.95	-526357.36	-626794.45	-774226.22	-614354.49	-502614.29	-495629.12	-624162.29	-665907.28	-587996.63	-554509.39
-271631.95	-526357.36	-626794.45	-774226.22	-614354.49	-502614.29	-495629.12	-624162.29	-665907.28	-587996.63	-554509.39
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22637.8431
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1240612.59
271631.95	526357.355	626794.455	774226.223	614354.494	502614.295	495629.118	624162.291	665907.276	587996.633	554509.395
271631.95	526357.355	626794.455	774226.223	614354.494	502614.295	495629.118	624162.291	665907.276	587996.633	554509.395
0.28	0.14	0.28	2.25	1.04	0.2	0.18	2.53	5.51	1.1	0.64
430656.336	376600.06	328272.783	374615.293	342866.802	445343.053	429031.781	337554.783	362422.179	389021.306	452644.083
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
944363.126	818922.629	833580.522	657117.137	535042.163	526538.281	507529.888	503052.999	648154.784	650726.727	689379.454

-271631.95	-526357.36	-626794.45	-774226.22	-614354.49	-502614.29	-495629.12	-624162.29	-665907.28	-587996.63	-554509.39
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
10.80578	10.919115	10.961858	11.218524	11.236384	11.118352	11.143572	11.22045	11.070008	11.098132	11.034954
0.443834	0.372184	0.352032	0.25924	0.27908	0.307585	0.302246	0.265425	0.210149	0.298267	0.332858
0.427377	0.358074	0.337222	0.228471	0.269047	0.295667	0.290708	0.232889	0.140906	0.278037	0.315806
4482385.13	3206349.85	2627027.23	2363537.25	2330055.23	3357191.2	3117283.8	2147966.23	2579626.08	2917877.54	3475781.91
4084453.31	3585636.46	3222577.02	3397306.94	3143351.66	3910536.19	3719515.7	2946764.76	3244797.53	3595238.58	4073702.47
14259.6459	14314.0094	14469.8216	15397.7447	13436.3446	13607.0316	13550.7638	13438.0182	14337.3258	13934.1224	13534.1707
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3960794.96	3960794.96	3876522.72	4466428.36	3876522.72	4129339.42	4129339.42	4045067.19	4297883.89	4045067.19	3961035.15
0.03483	0.033916	0.037008	0.035242	0.033636	0.036876	0.034318	0.035845	0.033478	0.034062	0.033186
631781.728	536243.922	496688.453	396905.321	407197.744	471921.863	464261.644	365356.391	232094.381	433003.288	476447.867
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3.239306	3.173129	3.186165	3.214618	3.161462	3.191474	3.168554	3.174655	2.901046	3.120226	3.168286
1048755.34	908928.051	837535.476	691300.852	682772.686	784747.23	776744.201	611179.742	338426.848	726658.587	822871.767
10227.519	1352.30863	913.824434	943.041434	2159.21249	9135.74991	4900.37667	2479.05371	448.412522	104.798745	231.926048
132910.533	132738.956	129393.081	137180.357	130238.625	138301.212	138296.444	123710.869	100436.462	131347.546	130994.04
353.48546	353.970549	351.611633	323.538577	353.909307	352.809214	352.797051	322.163721	246.167799	341.162457	348.388404
138029.6	138029.6	135092.8	155650.4	135092.8	143903.2	143903.2	140966.4	149776.8	140966.4	138029.6
367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493	367.099999
58990.792	49424.926	45556.384	35561.672	36346.322	42547.52	41833.892	32829.554	21104.524	39193.932	43590.65
266.947723	202.740095	187.101592	155.137776	169.905502	233.183217	182.85124	188.956744	81.264714	119.304659	120.494104
36.612131	36.139617	36.449851	37.65018	37.011374	37.024775	36.804432	37.10627	33.044616	36.004427	36.390992
2190447.52	1815328.86	1703001.48	1400754.18	1387745.24	1625197.18	1585149.64	1257365.54	738542.249	1465285.13	1620855.62
2843629.12	1937532.51	1735524.04	1076244.51	1145634.1	1520184.77	1428113.29	1039774.62	686617.65	1313954.6	1520310.71
107664.084	94188.5193	82068.1957	93681.8887	86128.5279	111873.141	107257.945	84388.6958	92437.1748	99016.4555	113161.021
653181.6	122203.651	32522.5598	-324509.67	-242111.13	-105012.42	-157036.36	-217590.92	-51924.599	-151330.52	-100544.91
3787992.25	2756455.14	2569104.57	1733361.65	1680676.27	2046723.05	1935643.17	1542827.62	1334772.43	1964681.33	2209690.16
1766.71	1599.02	1480.72	1310.83	1494.73	1870.6	1675.52	1364.11	1137.33	1337.75	1300.43
123061.862	137319	272376.561	65706.524	49830.9797	12720.4356	19482.4086	76442.8658	266.209989	29977.643	4456.46873
32.458896	27.20339	25.904089	21.423373	22.172176	24.055196	23.65392	21.37251	23.206518	24.246089	25.166186
840903.95	604703.641	378995.547	697926.081	698135.944	1315842.38	1194399.12	687356.745	1234424.81	976770.254	1263591.73

304.02	276.98	242.86	378.74	335.95	383.16	377.72	343.37	407.43	351.17	366.77
215.922854	180.197042	152.352315	174.428835	206.900033	255.918213	238.888797	203.08979	205.617159	207.128106	242.176775
7.434832	6.887898	5.627894	7.271413	7.431768	11.069643	10.496684	7.935374	13.071505	11.988889	11.597474
28,273.76	23,721.35	16,831.61	33,330.45	30,178.14	51,013.16	47,771.04	33,043.71	47,941.62	38,205.60	47,048.38
157045.354	165432.756	331460.204	75063.4989	57583.5922	14743.164	22114.8009	90075.3654	282.861687	33556.6908	4852.14962
6.894707	6.759905	8.318111	3.837732	4.059515	2.512274	2.625768	5.023251	0.211825	2.766435	0.869313
2,383.32	3,402.66	6,788.55	1,585.28	1,122.12	207.37	361.16	1,798.62	5.14	780.10	115.85
49.571926	38.00622	33.989902	27.418231	31.394929	42.022437	35.807375	29.332066	29.230886	28.975945	32.066849
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79390.3245	70467.1728	65236.5832	60351.4385	55950.3845	60859.9834	59486.9022	51344.9903	44495.5579	60810.8586	66112.6385
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8061630.44	7571298.51	7097821.85	7928701.5	7063043.58	8094157.34	7899288.69	7034786.63	7595341.85	7702271.89	8091871.37
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		0.000247	0.056389			0.000231	0.032196	0.090909	0.009469	0.011363
846320.768	728788.61	633635.885	662466.142	665993.044	867322.427	830383.527	622961.897	618112.213	743884.341	856434.118
4.12	3.69	4.11	5.17	3.42	3.85	3.69	4.52	3.05	4.49	4.06
40368.928	42529.2564	47647.0025	67087.9961	42161.6199	47063.6988	43786.6216	48785.829	42005.6848	55572.5974	46901.0082
12166550.9	10605060.5	9922540.01	9867538.43	8954032.99	10381837	10073960.3	8765248.07	9051178.66	9893144.11	10550451.1
8205755.98	6644265.55	6046017.29	5401110.07	5077510.26	6252497.55	5944620.86	4720180.88	4753294.77	5848076.92	6589415.95
2053370.92	1699579.55	1585537.65	1276908.77	1290980.03	1511737.31	1477837.29	1159628.61	676462.665	1355381.71	1511857.02
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96707.6695	73220.0526	69816.8286	56757.416	54603.5867	66396.1805	63525.7286	48951.1006	20073.8985	54330.8198	62097.5897
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85
22782.8491	24444.9022	26468.746	26375.0493	20726.1826	18519.8382	18014.1725	20314.0521	23396.1776	22397.0269	22693.8223
944363.126	818922.629	833580.522	657117.137	535042.163	526538.281	507529.888	503052.999	648154.784	650726.727	689379.454
-271631.95	-526357.36	-626794.45	-774226.22	-614354.49	-502614.29	-495629.12	-624162.29	-665907.28	-587996.63	-554509.39
1215995.08	1345279.98	1460374.98	1431343.36	1149396.66	1029152.58	1003159.01	1127215.29	1314062.06	1238723.36	1243888.85

2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
-4395883.7	-3792527.1	-4051108.5	-4137302.3	-4395883.7	-3964914.7	-4568271.3	-4051108.5	-4137302.3	-4395883.7	-4137302.3
-4395883.7	-3792527.1	-4051108.5	-4137302.3	-4395883.7	-3964914.7	-4568271.3	-4051108.5	-4137302.3	-4395883.7	-4137302.3
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
4395883.71	3792527.12	4051108.52	4137302.31	4395883.71	3964914.72	4568271.31	4051108.52	4137302.31	4395883.71	4137302.31
47.016169	42.866187	34.836167	32.896189	26.00618	27.156201	30.066212	29.446132	25.916248	28.73611	30.246193
26.772584	26.772566	26.772584	26.772673	26.772584	26.772548	26.772673	26.772619	26.77253	26.77253	26.772566
46.891788	42.741798	34.711787	32.771799	25.881794	27.031806	29.941813	29.321766	25.791834	28.611753	30.121802
46.987466	42.837482	34.807464	32.867483	25.977475	27.127494	30.037504	29.417432	25.887537	28.707412	30.217488
46.269881	42.119856	34.089883	32.149853	25.259865	26.409836	29.319819	28.699934	25.169768	27.989966	29.499846
46.547347	42.397338	34.367348	32.427337	25.537341	26.68733	29.597324	28.977367	25.447305	28.267378	29.777334
46.96833	42.818345	34.788329	32.848347	25.958339	27.108357	30.018366	29.398299	25.868396	28.68828	30.19835
47.006601	42.856618	34.8266	32.88662	25.996612	27.146632	30.056643	29.436565	25.906677	28.726544	30.236625

24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451	24.668451
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
46.71	42.56	34.53	32.59	25.7	26.85	29.76	29.14	25.61	28.43	29.94
7.100955	7.110244	6.405042	5.800469	5.459676	5.482788	5.515377	5.506943	5.489081	5.579742	6.477654
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
0.030612	0.030284	0.030877	0.03414	0.032181	0.027065	0.029811	0.030664	0.032187	0.024436	0.030625
8898.975	7680.15	8198.775	8345.025	8884.575	8055.9	9255.6	8200.575	8361.9	8955.675	8375.4
21.811213	21.818607	21.8634	21.731835	21.775919	21.891032	21.829245	21.810039	21.775781	21.950183	21.754285
9180	7920	8460	8640	9180	8280	9540	8460	8640	9180	8640
22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.441558

6.68	6.8	3.5	3.76	11.32	11.88	4.42	4	17.42	4.88	2.8

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0.0975	0.091335	0.026382	0.043151	0.007818	0.018152	0.040919	0.025957	0.016614	0.006446	0.0025
94462.0103	67483.4577	12785.8664	6784.56233	3930.05296	10375.598	62369.7313	31330.9836	10142.6835	2027.64901	1941.97588
297.551164	224.174714	45.57298	28.168022	16.604894	35.032079	187.482452	99.388177	37.989051	7.802744	6.933791
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68

0.031225	0.036732	0.026755	0.026953	0.024289	0.032581	0.031438	0.033031	0.030156	0.035808	0.032994
21731.8936	17563.6093	5419.31584	9052.22414	1742.70338	3649.29736	9478.3397	5331.90752	3485.40676	1436.77426	524.44992
122012.385	102254.112	30434.4135	52376.2599	9265.4927	21466.3866	55231.3849	31832.1399	19471.2263	8307.84624	3483.27209
4.08961	4.275399	3.909109	4.208158	1.447251	2.181851	3.614665	2.242408	2.32824	1.409867	1.223833
13866.7397	9706.76227	1902.58084	979.684983	612.390169	1490.93587	9064.95594	4473.46895	1539.09771	299.849526	253.950124
22925.08	19666.06	21224.52	21671.7	23089.22	20648.58	23818.86	21087.64	21600.36	22816.62	21537.14
56.188921	55.869488	56.59872	56.436718	56.591225	56.110271	56.176556	56.084148	56.250937	55.923088	55.940623
23664	20416	21808	22272	23664	21344	24592	21808	22272	23664	22272
58	58	58.154666	58	58	58	58	58	58	58	57.84935
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
45.98617	47.54764	43.956482	46.998465	16.332819	24.313831	40.590002	25.08517	26.083518	15.843251	13.291288
45.98617	47.54764	43.956482	46.998465	16.332819	24.313831	40.590002	25.08517	26.083518	15.843251	13.291288
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
167049.224	146942.202	41422.0318	70772.8701	12842.1048	31164.4455	82776.2371	46224.692	28646.0511	10918.9611	4322.81595
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
167049.224	146942.202	41422.0318	70772.8701	12842.1048	31164.4455	82776.2371	46224.692	28646.0511	10918.9611	4322.81595
225.26	224.85	184.41	183.55	108.8	148.79	231.29	153.17	93.36	121.89	104.73
50577.6181	53394.1936	23430.9783	55282.4738	7184.61154	14923.6764	2857.01798	6094.99484	13011.4682	7821.34383	2086.96021
58242.8473	64223.4324	26651.8888	63026.3406	8324.2679	18259.4022	3562.85215	7270.57166	16024.5363	8629.35508	2243.9396
22.000975	25.107713	29.732362	38.650354	10.761256	14.287267	5.832242	8.312794	17.376023	11.719542	6.736689
835.030668	834.148745	373.366068	857.048429	120.003525	229.149749	43.888285	91.139035	206.636484	120.70546	28.718525
65.960802	69.285757	67.992308	65.576092	61.025317	66.532386	68.472972	67.753116	64.927711	64.090146	74.791654
48.105839	49.136509	43.386708	34.056375	14.032691	22.609979	43.69511	25.735536	22.707867	9.611088	12.714477
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
5.655	5.297443	1.534293	2.50276	0.45348	1.052826	2.373349	1.505531	0.963645	0.373872	0.144623
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
22009.5951	26064.5503	5205.1871	8705.83393	1727.44028	5865.17109	17549.4879	8798.7135	5491.89941	1069.96824	293.87986
1472.20933	1030.55125	201.993931	104.01157	65.016474	158.29025	962.411714	474.940964	163.403515	31.834539	26.961474
94462.0103	67483.4577	12785.8664	6784.56233	3930.05296	10375.598	62369.7313	31330.9836	10142.6835	2027.64901	1941.97588
17.67	14.9	6.03	13.78	2.14	3.51	1.76	2.76	3.15	2.23	0.7
-22009.595	-26064.55	-5205.1871	-8705.8339	-1727.4403	-5865.1711	-17549.488	-8798.7135	-5491.8994	-1069.9682	-293.87986
-80252.442	-90287.983	-31857.076	-71732.175	-10051.708	-24124.573	-21112.34	-16069.285	-21516.436	-9699.3233	-2537.8195
12.53	6.06	1.21	0.53	0.31	1.04	8.6	3.66	0.99	0.12	0.25
12407.235	9468.9907	2688.7936	3899.9662	741.2029	1822.1355	5785.9861	3045.756	1623.3301	648.6154	265.02
0.81	0.68	0.28	0.53	0.07	0.07	0.26	0.09	0.11	0.09	

416.2914	349.4792	143.9032	272.3882	35.9758	35.9758	133.6244	46.2546	56.5334	46.2546	
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
122012.385	102254.112	30434.4135	52376.2599	9265.4927	21466.3866	55231.3849	31832.1399	19471.2263	8307.84624	3483.27209
2307.24	1864.7	575.36	961.06	185.02	387.44	1006.3	566.08	370.04	152.54	55.68
416.2914	349.4792	143.9032	272.3882	35.9758	35.9758	133.6244	46.2546	56.5334	46.2546	
145039.628	120877.651	36216.8447	62067.0361	11114.6645	25299.2744	65226.7493	37425.9785	23154.1517	9848.99284	4028.93609
22610.952	18274.06	5638.528	9418.388	1813.196	3796.912	9861.74	5547.584	3626.392	1494.892	545.664
0.63	0.62	0.79		0.01						
10.795634	10.864317	10.970305	11.013768	11.227538	11.247506	11.144209	11.173439	11.223633	11.132281	11.109941
0.795104	0.734784	0.63276	0.608676	0.500011	0.491894	0.533439	0.523259	0.50737	0.553198	0.557478
0.773234	0.709821	0.610816	0.586682	0.485007	0.474253	0.515559	0.503758	0.488079	0.534782	0.535572
1331050.9	1046161.18	911711.534	754275.619	840337.164	745915.279	969148.945	835238.404	762310.918	841849.836	871024.444
4358.60261	3583.53259	3543.13926	3293.58127	3750.02913	3154.69672	3262.44286	3008.201	3406.2347	3633.8047	3308.55689
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
0.028235	0.034715	0.035664	0.036718	0.031029	0.037119	0.033891	0.038696	0.038307	0.034019	0.039973
375173.357	298906.735	278469.487	274188.521	246029.628	217376.7	269785.838	234287.175	232584.577	268306.766	252531.767
563115.977	448271.107	417022.439	411491.056	368650.216	327120.95	406220.221	353052.995	348105.569	405402.932	380827.981
3.421699	3.421699	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217	3.4217
720970.64	574409.073	535134.814	526908.081	472795.136	417732.805	518447.445	450229.665	446957.781	515605.112	485290.296
44009.28	37715.58	40247.49	41058.9	43882.74	39331.74	45468.93	40120.95	40991.19	43747.32	40920.15
107.865882	107.146534	107.32664	106.924218	107.555735	106.879728	107.238042	106.704654	106.74789	107.223823	106.286103
45288	39072	41736	42624	45288	40848	47064	41736	42624	45288	42624
111	111	111.296	111	111	111	111	111	111	111	110.711688
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
39.065745	39.407306	39.799352	39.957669	40.733577	40.856185	40.444964	40.541478	40.863368	40.382241	40.37638
38.817533	39.054128	39.418424	39.561372	40.298529	40.359103	40.004614	40.103571	40.287585	39.958628	39.884261
1357649.13	1083440.34	1008406.85	994428.149	891656.807	789992.749	980192.543	851033.006	845172.524	975853.702	919042.422
1844743.87	1367965.75	1025194.76	980579.11	660138.415	613460.074	874016.039	721039.574	640058.626	815561.471	799441.363
487094.738	284525.408	16787.9075	-13849.039	-231518.39	-176532.67	-106176.5	-129993.43	-205113.9	-160292.23	-119601.06
1844743.87	1367965.75	1025194.76	980579.11	660138.415	613460.074	874016.039	721039.574	640058.626	815561.471	799441.363
396.48	339.78	362.59	369.9	395.34	354.34	409.63	361.45	369.29	394.12	368.65
18869.99	28659.1938	88372.6011	231136.25	42402.4437	35358.4291	1135.59796	7570.96262	71863.7266	124690.346	38010.8975
27402.591	41913.6092	108268.51	298588.3	48441.128	41787.35	1184.63531	8390.21494	83175.1096	143981.781	43613.0295

9.592906	14.891914	26.393537	45.362693	23.73931	24.311545	5.885585	11.733043	28.159515	31.979559	19.632808
496.725216	753.703011	2326.08884	6065.51909	1119.7501	917.755586	29.416298	196.316499	1897.7049	3241.20714	994.408439
43.379809	37.972065	32.093573	28.898157	25.232491	25.841321	27.845038	27.899697	24.565299	27.163852	29.445866
43.374434	37.963245	32.035948	28.713151	25.191052	25.779948	27.842451	27.887365	24.463725	27.064292	29.410177
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
85.828995	78.790193	67.981392	65.121802	53.835857	52.642163	57.227113	55.917138	54.17677	59.360838	59.294093
290991.624	128286.857	-128768.09	-157167.38	-360118.08	-290155.48	-247193.56	-252455.34	-326685.86	-300536.18	-251599.41
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34521.5048	26980.445	23166.9332	18941.2529	20845.2799	18454.5604	24234.8797	20828.5275	18906.1751	20978.0149	21833.8176
1331050.9	1046161.18	911711.534	754275.619	840337.164	745915.279	969148.945	835238.404	762310.918	841849.836	871024.444
18.85	16.29	16.99	29.17	3.18	3.51	0.08	0.64	4.77	13.08	6.66
-487094.74	-284525.41	-16787.908	13849.0393	231518.392	176532.674	106176.504	129993.433	205113.898	160292.23	119601.059
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313.21	264.01	266.46	231.19	344.03	309.48	378.17	331.19	307.48	297.31	313.66
118250.52	96469.5728	90103.4519	81901.0009	86088.7633	81186.2307	117033.358	97346.1053	80221.0958	88773.1062	93839.6474
0.78	0.87	0.84	0.91	0.9	0.88	1	0.83	1.11	0.94	1.01
7728.24	8619.96	8322.72	9016.28	8917.2	8719.04	9908	8223.64	10997.88	9313.52	10007.08
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
1284086.62	1022680.18	952157.253	938399.138	841445.351	744853.754	924667.666	803282.66	795063.35	921008.044	866118.277
35018.23	27734.148	25493.022	25006.772	21965.03	19372.316	24264.296	21024.844	20803.88	24219.222	22828.226
7728.24	8619.96	8322.72	9016.28	8917.2	8719.04	9908	8223.64	10997.88	9313.52	10007.08
1553752.24	1239678.89	1153962.86	1137746.49	1020256.49	903615.55	1121209.6	973494.913	966744.483	1116097.65	1051040.78
65834.2724	52140.1982	47926.8814	47012.7314	41294.2564	36419.9541	45616.8765	39526.7067	39111.2944	45532.1374	42917.0649
15.99	18.73	58.76	81.86	33.1	23.82	2.02	9.69	38.86	70.27	35.37

1187.55	1031.13	1098.3	1117.38	1178.52	1072.23	1226.82	1104.12	1109.61	1191.66	1118.22
2.910661	2.929346	2.9288	2.909843	2.888529	2.913668	2.893443	2.936489	2.889609	2.920735	2.904467
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

11.270066	11.347111	11.385545	11.494754	11.709987	11.718938	11.610789	11.581463	11.794143	11.595251	11.525348
0.843296	0.799306	0.763601	0.714292	0.609963	0.619677	0.647901	0.675594	0.599026	0.683811	0.714175
0.802583	0.758654	0.729587	0.676878	0.339787	0.593842	0.617851	0.641373	0.48227	0.654246	0.677456
426611.662	349583.801	361443.817	345526.787	187342.125	296593.845	352811.038	323335.519	250323.844	357314.493	345995.276
1398.85736	1200.26586	1415.86768	1520.10437	837.04023	1259.04151	1192.90895	1170.96569	1148.79459	1553.90761	1320.39697
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
0.048063	0.052556	0.044547	0.053619	0.049509	0.040733	0.047169	0.049042	0.042473	0.044191	0.049687
157484.648	129080.183	133524.841	127501.023	69293.991	109505.57	130221.442	119272.247	92708.1585	131720.706	127631.412
236201.246	193587.682	200177.622	191643.17	103848.774	164678	195829.108	179488.637	138633.509	198422.203	191956.614
2.5991	2.5991	2.5991	2.5991	2.599099	2.5991	2.5991	2.5991	2.599099	2.5991	2.5991
173091.377	141872.029	146757.153	140136.374	76161.0255	120357.572	143126.387	131092.126	101895.537	144774.228	140279.685
16700.77	14340.5	15447.75	15626.63	9779.06	15179.43	17372	15334.66	13262.92	16768.71	15650.28
40.933259	40.740056	41.194	40.694348	23.968284	41.248451	40.971698	40.78367	34.538854	41.099779	40.650077
17544	15136	16168	16512	17544	15824	18232	16168	16512	17544	16512
43	43	43.114666	43	43	43	43	43	43	43	42.888311
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
30.994866	31.387281	31.355849	31.712511	33.239426	32.20941	32.042091	31.965666	33.219115	32.014516	31.770422
30.521152	30.722437	30.82463	31.100439	31.668803	31.681477	31.398191	31.323383	31.890449	31.353327	31.171569
432590.687	356297.952	367177.8	351407.795	196163.637	301347.66	359574.198	329314.544	259390.398	364126.661	352072.317
707602.955	540123.037	446304.756	417618.19	175079.787	289267.43	386034.801	341563.018	236443.023	373976.612	374031.823
275012.268	183825.085	79126.9561	66210.3956	-21083.849	-12080.23	26460.6034	12248.4744	-22947.374	9849.95151	21959.5056
707602.955	540123.037	446304.756	417618.19	175079.787	289267.43	386034.801	341563.018	236443.023	373976.612	374031.823
388.39	333.5	359.25	363.41	227.42	353.01	404	356.62	308.44	389.97	363.96

37.652838	42.094611	31.457153	26.749803	26.037708	26.780579	29.67905	26.878309	24.120427	27.855951	27.731002
7.907096	10.102706	9.122574	7.757443	14.320739	7.766368	8.903715	8.332276	5.306494	8.356785	10.815091
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
34.511078	32.622159	31.45592	29.105781	14.610882	25.535244	26.567617	27.579042	20.73763	28.132598	29.054961
192695.043	116354.873	9333.52168	-434.38896	-57303.819	-69318.792	-41606.144	-50095.129	-71405.929	-59000.461	-44753.433
192695.043	116354.873	9333.52168	-434.38896	-57303.819	-69318.792	-41606.144	-50095.129	-71405.929	-59000.461	-44753.433

14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
426611.662	349583.801	361443.817	345526.787	187342.125	296593.845	352811.038	323335.519	250323.844	357314.493	345995.276
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-275012.27	-183825.09	-79126.956	-66210.396	21083.8495	12080.2302	-26460.603	-12248.474	22947.3742	-9849.9515	-21959.506
2.19	2.33	3.04	2.64	8.15	3.86	3.8	4.03	2.15	3.65	4.71
				0.411764			0.002659	0.164062		0.002604
114331.435	93152.8027	88641.9193	79519.7366	47648.5508	80496.5516	113728.93	95228.3299	63127.2935	86509.8513	91671.1952
1.22	1.37	1.17	1.2	1.8	0.97	1.38	1.22	1.85	1.39	1.24
5979.0248	6714.1508	5733.9828	5881.008	8821.512	4753.8148	6763.1592	5979.0248	9066.554	6812.1676	6077.0416
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
409292.622	335459.711	346934.774	331779.544	180009.8	285035.572	338955.494	310580.763	240529.046	343196.43	332236.299
14080.52	11483	11795.97	11176.62	5961.24	9396.97	11264.67	10369.72	7963.25	11478.1	11186.16
5979.0248	6714.1508	5733.9828	5881.008	8821.512	4753.8148	6763.1592	5979.0248	9066.554	6812.1676	6077.0416
514907.912	423768.164	436971.235	418052.579	232383.606	358586.222	427640.945	391658.147	307848.952	432977.074	418785.256
17319.0396	14124.09	14509.0431	13747.2426	7332.3252	11558.2731	13855.5441	12754.7556	9794.7975	14118.063	13758.9768

0.029754	0.036306	0.027287	0.028958	0.02799	0.042173	0.045872	0.019281	0.02125	0.034656	0.032005

1187.58	1017.66	1097.22	1118.64	1189.74	1057.44	1213.65	1106.25	1127.52	1181.58	1115.13
2.910735	2.891079	2.92592	2.913125	2.916029	2.873478	2.862382	2.942154	2.93625	2.896029	2.896441
1224	1056	1128	1152	1224	1104	1272	1128	1152	1224	1152
3	3	3.008	3	3	3	3	3	3	3	2.992207

7.291508	9.43037	4.923916	5.188477	1.406841	3.102527	6.224154	3.950869	2.684369	0.421875	0.14
0.01884	0.026646	0.003979	0.004982	0.001567	0.005239	0.01475	0.008209	0.005391	0.000575	0.00002
0.018132	0.025698	0.003872	0.004765	0.001529	0.005206	0.014363	0.00801	0.00514	0.000568	0.00002
6408.15768	6892.08737	522.099489	104.398476	230.02189	1592.88907	17091.5288	6661.74016	1337.65392	63.601915	28.000764
19.754917	22.585842	1.894407	0.422586	0.935236	5.077044	50.175173	20.152005	4.887536	0.23685	0.100397

369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
0.034264	0.030752	0.029162	0.028111	0.027806	0.024524	0.032582	0.026742	0.035976	0.028774	0.03246
5195.1	6388.3	1026.4	1284.3	439.2	1362.2	4325.7	2135.4	1404.3	163.6	5.6
24702.0093	33181.1513	4998.59785	7348.0491	2364.4065	8139.48978	25434.4654	12816.016	7762.37439	954.562989	36.298379
2.605935	3.609686	1.709412	2.118448	0.548458	1.274221	2.514489	1.640154	1.074495	0.164234	0.064818
1270.60183	1265.15407	111.324932	17.857809	40.821105	252.139644	2899.71062	1125.33298	242.463841	11.954226	4.31987
19632.9	17073.6	18264.8	18625.3	19867.4	17971.4	20518.4	18296.5	18439.5	19853.8	18592.2
48.119852	48.504545	48.706133	48.503385	48.694607	48.835326	48.392452	48.660904	48.019531	48.661274	48.291428
20400	17600	18800	19200	20400	18400	21200	18800	19200	20400	19200
50	50	50.133333	50	50	50	50	50	50	50	49.870129
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
43.492244	73.512899	33.624441	33.710005	10.741301	27.230789	67.255434	40.472123	27.101085	3.401146	0.907459
36.978264	51.199046	24.18144	29.939334	7.798115	18.018148	35.69925	23.173658	15.229034	2.312156	0.907459
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
27852.7513	39368.9866	5751.29212	8095.52953	2640.10242	9518.70242	29902.1213	14882.7378	9195.85333	1060.86157	36.819009
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
27852.7513	39368.9866	5751.29212	8095.52953	2640.10242	9518.70242	29902.1213	14882.7378	9195.85333	1060.86157	36.819009
228.46	268.62	244.04	160.59	149.89	204.12	341.87	247.81	144.09	158.47	130.51
18519.7926	26530.8929	4502.28636	7290.04663	2152.32561	6562.00771	8389.01764	6177.65785	6457.21646	891.521074	8.297614
20688.9911	31351.8029	5063.67828	7982.77884	2401.84658	7643.11046	9832.92788	7011.10352	7623.29327	993.65865	8.416628
9.211047	13.257807	7.140062	7.55719	1.816559	4.376517	5.847091	4.825147	3.665103	0.602562	0.091437
279.160717	362.469479	64.848219	90.224442	28.284206	77.929505	98.88894	70.792263	81.509725	10.746126	0.091437
75.00048	83.014735	71.134576	86.199383	77.030112	86.98653	88.280333	87.739837	81.953255	74.486358	90.745948
31.381505	43.04687	7.809742	3.447975	2.310903	10.438383	38.729944	21.057561	9.83439	0.744863	0.907459
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
0.906617	1.284943	0.194133	0.238281	0.07647	0.260326	0.71816	0.400531	0.257031	0.028431	0.001038
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
2924.80103	5946.0063	726.906267	701.08443	257.754922	1363.80564	4421.57485	2043.33982	1400.98295	105.738577	0.52063
90.739282	89.83052	7.95178	1.275557	2.915793	17.870494	205.611059	79.807736	17.190274	0.853873	0.308562
6408.15768	6892.08737	522.099489	104.398476	230.02189	1592.88907	17091.5288	6661.74016	1337.65392	63.601915	28.000764
4.34	5.32	0.96	1.33	0.4	1.28	2.63	1.48	1.33	0.17	0.01
-2924.801	-5946.0063	-726.90627	-701.08443	-257.75492	-1363.8056	-4421.5748	-2043.3398	-1400.9829	-105.73858	-0.52063
-23613.792	-37297.809	-5790.5845	-8683.8633	-2659.6015	-9006.9161	-14254.503	-9054.4433	-9024.2762	-1099.3972	-8.937258
0.64	0.77	0.05	0.01	0.03	0.13	1.64	0.56	0.14		
3022.871	3764.1903	543.6497	569.6388	191.7898	809.1663	3076.2244	1424.507	779.8076	80.9082	2.789

0.38	0.32	0.04	0.08	0.03	0.01	0.03	0.01	0.03		
218.241	215.649	22.428	44.856	16.821	5.607	16.821	10.782	21.996		
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
24702.0093	33181.1513	4998.59785	7348.0491	2364.4065	8139.48978	25434.4654	12816.016	7762.37439	954.562989	36.298379
369.9	452.3	72.8	91.5	31.2	95.8	304.5	150.6	98.7	11.6	0.4
218.241	215.649	22.428	44.856	16.821	5.607	16.821	10.782	21.996		
24927.9503	33422.9803	5024.38585	7394.4451	2382.3475	8154.89678	25480.5464	12839.398	7794.87039	955.122989	36.298379
7.7	26.18	3.36	1.54	1.12	9.8	29.26	12.6	10.5	0.56	
0.06	0.15	0.06								

0.038921	0.024914	0.025053	0.027369	0.032401	0.036141	0.031627	0.033457	0.021848	0.025269	0.030703

1568.48	1372.92	1466.32	1493.96	1579.12	1418.8	1642.36	1453.68	1502.44	1590.76	1488.84
3.844313	3.90034	3.910186	3.89052	3.870392	3.855434	3.87349	3.86617	3.912604	3.898921	3.867116
1632	1408	1504	1536	1632	1472	1696	1504	1536	1632	1536
4	4	4.010666	4	4	4	4	4	4	4	3.98961

10.226532	10.303741	10.353952	10.423897	10.666256	10.670646	10.552176	10.575671	10.684463	10.534484	10.517972
0.698822	0.651325	0.539634	0.508712	0.348917	0.359051	0.405442	0.400607	0.378172	0.444904	0.460043
0.660072	0.620652	0.507719	0.481734	0.238032	0.341312	0.383381	0.377064	0.357496	0.422929	0.434892
557449.94	454340.894	400676.441	390574.065	209883.184	272772.617	349554.502	305365.121	295638.457	368914.202	356703.469
1828.68006	1560.80678	1559.80005	1716.67589	937.384031	1135.91489	1158.28299	1092.42608	1321.28749	1599.97503	1352.99875
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
0.059901	0.05142	0.059574	0.053098	0.066887	0.052119	0.054834	0.062792	0.058958	0.051446	0.058932
159392.5	129884.14	114799.837	111810.877	60196.3756	77940.5522	99898.3534	87131.7366	84846.104	105119.292	101612.323
239384.344	195194.533	171811.28	168028.197	89999.0226	117537.973	150435.196	131705.446	126892.5	159471.344	154122.016
3.4341	3.4341	3.4341	3.4341	3.434099	3.4341	3.4341	3.4341	3.4341	3.4341	3.4341
308281.035	251208.915	222034.366	216253.417	116425.81	150744.822	193213.405	168521.492	164100.85	203311.224	196528.393
22476.616	19566.54	20720.96	21252.462	16292.558	20440.852	23483.95	20650.054	21175.696	22678.786	21176.282

55.089745	55.586761	55.255893	55.344953	39.93274	55.545793	55.386674	54.920356	55.145041	55.585259	55.003329
23908.8	20627.2	22033.6	22502.4	23908.8	21564.8	24846.4	22033.6	22502.4	23908.8	22502.4
58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.447792
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
38.98894	39.436621	39.627885	39.340206	46.883881	42.560255	40.771087	41.938588	42.603033	41.179635	41.071023
35.737342	36.003593	36.177391	36.410625	37.250503	37.255883	36.848728	36.92731	37.315361	36.782437	36.726539
593909.813	480574.217	434351.276	416124.267	256862.034	305304.385	382012.682	338280.761	328216.823	403288.554	388064.4
857761.552	657308.686	468385.489	450833.844	185778.035	256467.327	371754.356	309728.365	274492.713	368844.137	365169.728
263851.739	176734.468	34034.2125	34709.5761	-71083.999	-48837.059	-10258.325	-28552.396	-53724.11	-34444.417	-22894.672
857761.552	657308.686	468385.489	450833.844	185778.035	256467.327	371754.356	309728.365	274492.713	368844.137	365169.728
383.56	333.9	353.6	361.48	278.03	348.82	400.75	352.39	361.36	387.01	361.37
		105.074526	428.460249	70.110524	73.588405		12.827944	342.503301	137.641788	14.332701
		111.965946	507.489689	70.619668	72.064544		11.663523	376.731207	144.03989	13.148736
		2.107891	5.529102	1.267533	1.265449		0.327664	2.898766	2.333302	0.355431
		2.694224	11.281802	1.77343	1.934307		0.327664	9.649078	3.536993	0.355431
44.923535	41.623105	34.565997	31.055468	27.527595	25.863008	28.931494	29.23044	26.516405	30.682172	30.051914
42.228123	36.212101	32.433704	27.939941	20.639852	23.256661	25.459715	26.303628	23.846183	27.279494	27.31014
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116
38.680269	36.370261	29.831696	28.229635	13.948696	20.000923	22.466146	22.095962	20.949302	24.783666	25.418483
180537.279	108844.028	-25971.662	-23733.969	-102548.64	-89576.585	-62475.195	-74096.155	-98073.169	-89390.271	-76007.433
180537.279	108844.028	-25971.662	-23733.969	-102548.64	-89576.585	-62475.195	-74096.155	-98073.169	-89390.271	-76007.433
15781.55	12802.332	11184.1918	10828.8982	5689.29457	7358.40569	9525.646	8307.75434	8034.88292	10108.199	9785.76057
557449.94	454340.894	400676.441	390574.065	209883.184	272772.617	349554.502	305365.121	295638.457	368914.202	356703.469
		0.03	0.11	0.01	0.01				0.03	
-263851.74	-176734.47	-34034.213	-34709.576	71083.9988	48837.0586	10258.3254	28552.396	53724.1104	34444.4172	22894.6721
-263851.74	-176734.47	-34146.178	-35217.066	71013.3792	48764.994	10258.3254	28540.7325	53347.3792	34300.3774	22881.5233
17.66	18.03	20.54	21.87	12.96	20.24	21.87	20.21	23.56	20.81	21.95
			0.002604	0.272058						
105176.482	88157.213	80754.0453	75423.7302	53596.8774	74599.8256	107007.868	87829.8767	73274.1282	80681.1374	85857.2368
1.64	1.18	1.51	1.13	2.11	1.46	1.46	1.48	1.45	1.54	1.41
36459.8732	26233.3234	33569.7613	25121.7419	46908.7393	32458.1798	32458.1798	32902.8124	32235.8635	34236.7102	31346.5983
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
547665.379	446403.448	393845.646	384281.614	206424.833	268282.795	343648.601	300226.938	290993.35	362782.567	350650.409
15781.55	12802.332	11186.886	10840.18	5691.068	7360.34	9525.646	8308.082	8044.532	10111.736	9786.116

36459.8732	26233.3234	33569.7613	25121.7419	46908.7393	32458.1798	32458.1798	32902.8124	32235.8635	34236.7102	31346.5983
677224.273	548464.657	494357.151	474567.813	288326.68	346043.912	434229.551	383824.52	372565.882	458234.408	441177.161
9784.561	7937.44584	6935.86932	6720.9116	3528.46216	4563.4108	5905.90052	5151.01084	4987.60984	6269.27632	6067.39192
		0.21	0.56	0.16	0.11		0.03	0.21	0.22	0.04
4.65	6.9	3.6	3	1.2	2.1	5.85	4.05	2.25	0.3	
0.011799	0.018945	0.002448	0.002793	0.001011	0.004104	0.011911	0.006724	0.004249	0.000367	
0.011446	0.018636	0.00242	0.002708	0.001004	0.003994	0.011603	0.006462	0.00414	0.000367	
673.1673	969.892978	37.819189	2.933545		265.626244	2667.84619	1095.27203	125.940195		
2.090923	3.148283	0.141244	0.011923		0.838308	7.679657	3.293222	0.473047		
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
0.020833	0.02571	0.029308	0.029427	0.029877	0.019619	0.03507	0.037712	0.037135	0.035955	0.032057
980.7	1377.6	191.1	218.4	86.1	308.7	1033.2	510.3	333.9	31.5	
4458.33717	6883.80592	966.862516	1270.9044	468.803103	1852.73953	6103.69149	3058.74303	1834.79603	194.778622	
1.454058	2.373439	1.215296	1.173054	0.438751	0.844283	2.249624	1.574739	0.84562	0.117196	
134.02905	183.295282	7.633536	0.504739		41.893463	444.532148	184.190078	23.086154		
5593	4801.3	5109.72	5217.8	5541.34	5050.92	5727.82	5065.48	5176.36	5506.62	5203.66
13.708333	13.640056	13.62592	13.58802	13.581715	13.725326	13.509009	13.472021	13.480104	13.496617	13.516
5712	4928	5264	5376	5712	5152	5936	5264	5376	5712	5376
14	14	14.037333	14	14	14	14	14	14	14	13.963636
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
22.63253	37.778187	18.60444	17.595824	6.706267	12.717826	33.920877	23.733599	12.713149	1.757947	
22.63253	37.778187	18.60444	17.595824	6.706267	12.717826	33.920877	23.733599	12.713149	1.757947	
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
5024.541	8238.8962	1108.60199	1380.63771	519.531921	2140.85642	7064.70352	3497.162	2144.53488	214.587334	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
5024.541	8238.8962	1108.60199	1380.63771	519.531921	2140.85642	7064.70352	3497.162	2144.53488	214.587334	
112.78	139.98	136.37	81.72	99.24	104.31	172.62	120.54	83.99	81.4	69.57
3953.16987	6050.41294	939.543327	1267.97085	479.303103	1597.61329	3467.34531	1984.47101	1719.35584	194.778622	
4312.92718	7117.56701	1054.11861	1377.66799	519.531921	1831.51797	4048.52067	2229.26183	2001.44679	214.587334	
4.027057	6.240353	3.295093	2.794391	1.12	1.904309	4.514895	3.463591	2.064484	0.28	
56.444729	79.620314	12.231097	14.52635	5.74	17.787102	39.244523	21.740661	20.720923	2.1	
83.698311	83.671605	73.761759	87.180008		99.773411	93.160406	94.417507	89.732063		
10.1567	17.566556	2.212852	0.8718		4.98867	29.636054	16.711535	3.589282		
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	

0.160245	0.260909	0.033973	0.037916	0.014068	0.055923	0.162452	0.090478	0.057968	0.005147	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
398.203824	1218.59028	131.239471	109.733305	40.228817	277.616887	929.512027	417.418964	299.238847	19.808712	
8.93527	12.219685	0.508902	0.033649		2.792897	29.635476	12.279338	1.539076		
673.1673	969.892978	37.819189	2.933545		265.626244	2667.84619	1095.27203	125.940195		
3.64	4.31	0.66	0.92	0.33	0.73	1.82	1.09	0.83	0.11	
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1462.9439	1946.6202	248.6043	251.4825	92.9914	409.065	1657.3912	780.1361	411.0354	36.7486	
0.16	0.13	0.01		0.01	0.01	0.03	0.02	0.01		
168	136.5	10.5		10.5	10.5	31.5	21	10.5		
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
4458.33717	6883.80592	966.862516	1270.9044	468.803103	1852.73953	6103.69149	3058.74303	1834.79603	194.778622	
65.38	91.84	12.74	14.56	5.74	20.58	68.88	34.02	22.26	2.1	
168	136.5	10.5		10.5	10.5	31.5	21	10.5		
4626.33717	7020.30592	977.362516	1270.9044	479.303103	1863.23953	6135.19149	3079.74303	1845.29603	194.778622	
0.03	0.01									

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2416655.84	1925431.32	1687177.58	1497268.36	1241722.55	1327515.86	1753643.59	1503027.04	1319879.5	1570169.78	1575693.17	
7905.53703	6594.51408	6566.41562	6558.96406	5541.99352	5590.60056	5858.97207	5394.42617	5919.66641	6795.72693	5988.98679	
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582	
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719958.199	583200.567	533430.982	524055.345	377787.998	410143.02	514742.873	448668.766	415362.446	506778.638	482305.551	
1189874.3	979372.391	825411.215	832157.637	574596.715	640795.538	839254.067	711953.976	642699.975	772753.667	730426.182	
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15271.3706	11155.2116	2021.53931	998.047532	653.211275	1784.96898	12409.1987	5782.99201	1804.64771	311.803752	258.269994	
144180.231	124265.44	132875.855	135527.797	131284.273	130227.292	149728.39	132419.909	132747.496	144291.531	135177.302	
353.382919	353.026818	354.335613	352.936971	321.775178	353.87851	353.132995	352.180609	345.696604	353.655713	351.109875	
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4	

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67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
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49.760233	50.291513	40.515994	35.257375	28.811599	32.069618	44.897621	37.835317	30.596817	30.164825	31.857545
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67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
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4.99	4.55	3.85	3.85	4.92	3.4	4.16	3.65	4.56	3.96	3.66
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67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
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16.71	19.51	59.82	82.42	33.27	23.93	2.02	9.72	39.07	70.49	35.41
5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52
3692.08339	2869.80727	2605.2201	1833.49183	3298.73539	2983.22253	5150.30744	4238.18735	2787.02282	2651.79274	3344.22048
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1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52
344.7	290.19	289.82	255.36	367.77	334.56	415.38	359.81	334.16	321.01	340.06
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5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
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5884907.19	4416410.19	3379737.71	2886566.73	2381540.82	2422580.07	3855293.77	3114007.83	2258362.17	2717987.75	3062003.84
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448937.21	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
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448937.21	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
56733.1213	78737.6506	146793.922	182094.029	234906.747	166231.12	135994.995	121160.065	178422.173	188607.223	172159.302
56733.1213	78737.6506	146793.922	182094.029	234906.747	166231.12	135994.995	121160.065	178422.173	188607.223	172159.302
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138

473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
8912.80233	7456.31201	7892.7398	8840.89779	8572.9427	6320.59478	5746.13993	5023.92103	6481.82984	7650.76885	7419.98138
417135.512	318460.09	273652.327	288860.597	221773.91	170466.964	170101.879	146464.209	166864.903	218949.233	223103.107
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473868.634	397197.741	420446.249	470954.625	456680.658	336698.084	306096.874	267624.274	345287.076	407556.456	395262.408
424304.598	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
1395.80963	1290.01485	1564.57818	1961.61065	1931.98294	1379.48444	997.32173	924.282674	1486.96056	1680.76503	1431.21855
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
468740.828	357793.626	307510.499	324353.62	249136.373	191813.686	191027.374	164425.901	187619.692	246223.583	250682.42
25.393999	23.851964	49.383434	33.950267	25.53786	22.041912	28.754634	24.217318	27.079686		26.838146
0.507879	0.477039	1.975337	0.679005	6.129086	0.440838	2.30037	1.210865	1.624781		1.610288
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
24.54793	23.798656	23.653283	25.846041	23.604158	19.33312	15.210134	14.996707	18.980902	21.086135	21.656565
20726.8145	-17585.435	-89953.369	-120380.24	-182406.19	-126991.02	-97956.67	-88247.029	-138985.46	-139283.28	-122933.4
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9479.22666	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
424304.598	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
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0.06	0.09	0.2	0.03	3.19	0.2	0.48	0.21	0.48		0.65
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
10015.5558	8377.127	8869.98145	9924.87981	9630.49677	7114.58836	6449.09717	5638.76212	7288.66671	8603.14346	8337.77763
468740.828	357793.626	307510.499	324353.62	249136.373	191813.686	191027.374	164425.901	187619.692	246223.583	250682.42
20726.8145	-17585.435	-89953.369	-120380.24	-182406.19	-126991.02	-97956.67	-88247.029	-138985.46	-139283.28	-122933.4
448014.014	375379.061	397463.869	444733.864	431542.56	318804.704	288984.044	252672.931	326605.155	385506.859	373615.816
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
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3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
177856.179	146011.693	129352.919	134576.655	86071.352	101294.834	125593.644	107522.876	78014.1018	75428.4275	83481.2021
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
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3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
17014.0648	30303.2908	63511.2313	80655.076	85239.1969	92037.8053	93812.9298	82552.9701	78523.89	59981.792	60426.822
17014.0648	30303.2908	63511.2313	80655.076	85239.1969	92037.8053	93812.9298	82552.9701	78523.89	59981.792	60426.822
124648.035	102934.774	94745.4777	87564.4077	83692.5856	86992.8678	122224.144	104211.133	86072.6623	94320.2824	100811.073
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
3803.83063	3441.63545	3764.67208	4201.28306	3343.94981	3773.81689	4282.77521	3710.2449	3055.59227	2643.18211	2809.05766
177856.179	146011.693	129352.919	134576.655	86071.352	101294.834	125593.644	107522.876	78014.1018	75428.4275	83481.2021
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194870.243	176314.984	192864.151	215231.731	171310.549	193332.639	219406.574	190075.846	156537.992	135410.219	143908.024
429371.778	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
1424.30412	906.027761	1525.46694	1913.33351	1571.70995	1455.40321	1074.14988	1059.01846	1539.6539	1867.47905	1403.96573
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
224080.239	118229.928	139442.046	147639.455	95560.7778	93874.1722	92139.1256	86566.9338	90692.2677	129567.678	114942.19
4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
11.870483	7.927017	10.922325	11.979611	9.146655	9.706348	7.785055	8.172875	9.318517	11.124811	10.107972
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429371.778	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
229939.406	143696.475	245037.47	284178.583	254746.606	241423.488	217712.942	201895.698	245203.765	296501.023	250359.413

229939.406	143696.475	245037.47	284178.583	254746.606	241423.488	217712.942	201895.698	245203.765	296501.023	250359.413
124648.035	100933.783	96060.8656	87564.4077	91462.102	86797.2809	123003.754	104211.133	85790.1304	94320.2824	100742.548
454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
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4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
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4843.15712	2790.31003	4095.87211	4600.17085	3731.83534	3571.93629	3300.86361	3073.0013	3578.31078	4538.92299	3891.56922
224080.239	118229.928	139442.046	147639.455	95560.7778	93874.1722	92139.1256	86566.9338	90692.2677	129567.678	114942.19
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454019.646	261926.403	384479.515	431818.038	350307.384	335297.66	309852.067	288462.632	335896.033	426068.701	365301.603
1497483.83	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
4937.00255	4167.07099	5504.21001	6905.63412	6314.7343	5123.78351	3882.90118	3657.00579	5313.3075	5917.45221	4901.35302
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
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25.393999	23.851964	49.383434	33.950267	25.53786	22.041912	28.754634	24.217318	27.079686		26.838146
0.507879	0.477039	1.975337	0.679005	6.129086	0.440838	2.30037	1.210865	1.624781		1.610288
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
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282959.778	270322.851	545295.992	667307.932	757298.737	626683.431	545477.536	493855.762	641135.291	684373.314	605878.932
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498592.14	409738.104	383227.045	350257.631	358263.204	347775.884	494679.095	416844.531	344008.117	377281.13	403175.767
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
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1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
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5058908.46	3986995.11	3754519.53	3482609.69	3396554.94	3235497.84	4411513.98	3689760.27	3129935.08	3545592.73	3736494.54
16534.623	13631.3923	14675.8457	15298.09	15155.4632	13697.6066	14892.1807	13289.6193	14019.9967	15364.9719	14234.5603
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719958.199	583200.567	533430.982	524055.345	377787.998	410143.02	514742.873	448668.766	415362.446	506778.638	482305.551
1189874.3	979372.391	825411.215	832157.637	574596.715	640795.538	839254.067	711953.976	642699.975	772753.667	730426.182
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15271.3706	11155.2116	2021.53931	998.047532	653.211275	1784.96898	12409.1987	5782.99201	1804.64771	311.803752	258.269994
144180.231	124265.44	132875.855	135527.797	131284.273	130227.292	149728.39	132419.909	132747.496	144291.531	135177.302
353.382919	353.026818	354.335613	352.936971	321.775178	353.87851	353.132995	352.180609	345.696604	353.655713	351.109875
149776.8	129219.2	138029.6	140966.4	149776.8	135092.8	155650.4	138029.6	140966.4	149776.8	140966.4
367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	366.146493
67622.82	54428.32	49136.778	48090.692	33839.298	36633.446	46434.292	40453.346	37302.662	45975.298	43856.582
221.160497	269.069935	206.96845	209.314683	154.637274	179.888299	255.024457	203.736626	182.583271	134.578739	127.416574
37.187444	37.611299	36.90487	37.410724	38.389778	37.839493	38.024474	37.659456	38.159997	37.184956	36.988595
2558743.55	2081633.44	1852154.52	1832692.6	1358658.79	1431962.2	1818621.91	1571973.43	1465574.06	1754267.81	1663244.37
3610034.89	2759947.55	1988166.93	1929280.18	1036997.98	1202018.84	1751548.26	1436935.55	1190980.8	1570576.63	1543002.55
124648.035	102934.774	96210.3507	87564.4077	91554.258	86992.8678	124725.598	104211.133	86072.6623	94320.2824	100811.073
1051291.34	678314.108	136012.409	96587.584	-321660.82	-229943.37	-67073.651	-135037.88	-274593.26	-183691.18	-120241.83
4897847.65	3700442.89	2838124.72	2824710.51	1689540.39	1759468.49	2330410.28	1941915.47	1714171.77	2240745.55	2215211.47
1741.61	1647.43	1643.76	1524.41	1270.04	1525.27	1964.58	1595.98	1377.95	1537.74	1401.59
91920.5706	114634.693	117350.484	295405.202	52288.7945	58515.3149	15848.9789	21840.9143	93394.2704	133735.631	40120.4881
36.203298	33.437407	28.025304	26.681602	22.05986	22.828453	24.771182	24.357126	22.002319	23.889847	24.971359
1144768.8	850745.602	672088.166	422603.064	744991.245	723848.897	1533530.82	1187897.55	645729.329	620880.712	882713.52

344.7	290.19	289.82	255.36	367.77	334.56	415.38	359.81	334.16	321.01	340.06
218.762018	216.575789	187.316788	159.128582	177.823334	207.312614	267.088435	249.241168	206.455123	172.392842	205.203562
7.400983	7.775809	7.026978	6.006211	7.586937	7.600772	11.750086	10.757872	7.528179	7.15769	10.285106
32,396.11	28,471.01	25,229.54	18,945.08	33,711.29	30,823.04	58,723.87	46,692.17	30,581.82	28,287.26	35,519.68
110647.357	144606.412	141150.162	371482.577	59757.3941	69593.4452	18628.936	24912.8155	109201.117	153963.422	45878.5345
4.503586	6.062966	6.317417	8.954243	3.376768	4.210133	2.327242	2.790615	4.819083	3.959794	2.681636
1,667.36	2,029.94	2,779.23	7,038.60	1,275.55	1,244.56	211.44	380.32	2,216.22	3,378.30	1,023.57
49.696445	50.260429	40.590291	35.215674	28.608809	32.03122	44.66875	37.721387	30.600839	30.164825	31.769813
49.533612	50.04767	40.506215	35.128606	28.586546	31.994554	44.560919	37.664655	30.548349	30.106039	31.735929
-29449.869	-26441.069	-22450.307	-11906.484	-32435.735	-29578.485	-58512.43	-46311.857	-28365.601	-24908.967	-34496.105
-72.181051	-75.116673	-59.867486	-31.006469	-79.499351	-80.376319	-138.00102	-123.16983	-73.868751	-61.051389	-89.600272
-9874194.1	-8092545.3	-8115485.1	-7862996.1	-8052668.4	-7455722.5	-9297416.9	-8024359.3	-7525772.6	-8245976.2	-8177251
-79.23093	-78.631978	-84.380539	-89.819301	-87.964031	-85.75224	-74.593848	-77.069412	-87.484783	-87.437148	-81.126531
-9874194.1	-8092545.3	-8115485.1	-7862996.1	-8052668.4	-7455722.5	-9297416.9	-8024359.3	-7525772.6	-8245976.2	-8177251
92251.9221	74463.7629	70980.815	68619.3234	57842.9714	56169.8261	66001.7299	57518.9592	55490.8405	66033.0197	65291.3941
3914139.67	3136249.51	3082431.36	3060006.62	2651563.7	2511648.94	2877983.15	2501862.72	2484205.75	2924712.02	2853781.02
9512459.33	7800946.06	7840129.81	7594589.39	7856384.08	7244121.59	9036116.26	7794009.99	7311393.04	7981935.95	7925426.91
10546580.8	8507085.25	8371067.81	7645709.87	8541617.93	7898377.04	10551018.1	8956994.73	7847921.25	8448853.24	8762261.9
			0.000236	0.062165			0.000241	0.014914		0.000236
977891.663	805632.267	742417.86	679387.594	638177.637	674091.727	967694.45	806710.375	649517.47	728331.779	775622.728
4.99	4.55	3.85	3.85	4.92	3.4	4.16	3.65	4.56	3.96	3.66
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
14772041.8	11792988.2	10953609.8	10687706.6	9742208.77	9215190.97	11627827.2	9966274.73	9239944.37	10486721.7	10392462.4
10376158.1	8000461.03	6902501.32	6550404.25	5346325.07	5250276.25	7059555.91	5915166.22	5102642.06	6090838.01	6255160.12
2392217.35	1946862.41	1729337.55	1715455.51	1239978.69	1329630.74	1694041.3	1461797.26	1355654.14	1636444.23	1552524.56
95198.1659	76493.7045	73760.0434	75657.9235	59118.5226	57414.3823	66213.1679	57899.2754	57707.0616	69411.3154	66314.9679
50969.6704	42269.0624	47803.2953	40336.2741	64710.7481	45983.1174	49311.2844	47183.5138	52389.3269	50408.6524	47430.7199
10376158.1	8000461.03	6902501.32	6550404.25	5346325.07	5250276.25	7059555.91	5915166.22	5102642.06	6090838.01	6255160.12
115556.525	92501.9741	75013.6818	76900.8136	53969.3598	56348.35	75269.3211	62992.6572	57530.5937	67414.9287	63289.0976
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85
27575.3459	22065.3845	24623.2654	27567.2315	25279.2246	20780.9363	19778.8759	17445.9294	20404.3996	23436.0174	22458.3859
1287812.76	940495.338	849957.791	895430.327	652542.413	557449.656	578862.023	504979.92	523190.964	670168.921	672208.919
-282959.78	-270322.85	-545295.99	-667307.93	-757298.74	-626683.43	-545477.54	-493855.76	-641135.29	-684373.31	-605878.93
1570772.54	1210818.19	1395253.78	1562738.26	1409841.15	1184133.09	1124339.56	998835.683	1164326.26	1354542.24	1278087.85

2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
-4223711.6	-4307966	-3868377.7	-4132130.7	-4395883.7	-4307966	-4044213	-4659636.7	-4132130.7	-4395883.7	-4307966
-4223711.6	-4307966	-3868377.7	-4132130.7	-4395883.7	-4307966	-4044213	-4659636.7	-4132130.7	-4395883.7	-4307966
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
4223711.6	4307966.03	3868377.66	4132130.69	4395883.71	4307966.03	4044213.01	4659636.73	4132130.69	4395883.71	4307966.03
31.566189	48.478843	44.19888	35.918896	33.908876	26.808925	27.988842	30.998927	30.358898	26.718888	29.628834
26.772548	20.775786	20.775759	20.775732	20.775719	20.775813	20.775786	20.77584	20.775773	20.775799	20.775746
31.441799	48.353376	44.073397	35.793407	33.783395	26.683424	27.863375	30.873425	30.233408	26.593402	29.50337
31.537483	48.449889	44.169923	35.889937	33.879919	26.779963	27.959888	30.969965	30.329939	26.68993	29.599881
30.819853	47.726036	43.445984	35.165961	33.155989	26.055919	27.236039	30.245916	29.605958	25.965972	28.87605
31.097337	48.005926	43.725907	35.445898	33.435909	26.335883	27.515927	30.525882	29.885897	26.245902	29.155931
31.518347	48.430587	44.150617	35.870631	33.860614	26.760655	27.940585	30.950657	30.310632	26.670624	29.580579
31.55662	48.469192	44.189228	35.909243	33.899224	26.799271	27.979191	30.989273	30.349245	26.709236	29.619183

24.668451	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182	25.16182
1.5	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
31.26	48.17	43.89	35.61	33.6	26.5	27.68	30.69	30.05	26.41	29.32
7.230542	7.302666	7.350014	6.5869	5.983734	5.632018	5.652782	5.691668	5.678777	5.671437	5.754923
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
25.914097	36.73951	33.890127	28.306535	26.916267	22.153641	22.942019	24.951948	24.524195	22.096918	24.04386
0.025306	0.03079	0.02946	0.031436	0.0346	0.022474	0.032663	0.026061	0.040345	0.030075	0.025892
8596.8	8548.425	7686.675	8194.05	8688.6	8621.775	8009.55	9291.375	8118.675	8729.325	8591.625
21.930612	21.807206	21.837144	21.8508	21.7215	21.994323	21.765081	21.91362	21.59222	21.823312	21.91741
8820	8820	7920	8460	9000	8820	8280	9540	8460	9000	8820
22.5	22.5	22.5	22.56	22.5	22.5	22.5	22.5	22.5	22.5	22.5

3.04	10.76	6.41	10.62	0.94	15.4	6.81	8.02	7.76	14.09	4.62

0.75352	7.25263	7.629389	6.02816	6.781679	2.91989	2.91989	5.93397	3.86179	3.29665	1.97799
0.00055	0.089694	0.08666	0.033551	0.045395	0.009668	0.016939	0.039877	0.021904	0.013152	0.003759
0.000535	0.087551	0.083409	0.032659	0.044525	0.009464	0.016548	0.038419	0.021356	0.01265	0.003673
893.625007	94905.3143	64573.1083	16365.3397	32624.6703	3826.95762	12386.8219	61268.7863	28030.661	6564.83878	1308.1153
2.614096	294.831116	211.18831	57.946294	137.382924	15.902215	41.665897	177.212274	87.347912	23.063207	5.258353
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52

0.020561	0.025357	0.040312	0.035132	0.02645	0.03278	0.029347	0.033891	0.028058	0.031075	0.026377
114.72342	18749.0846	16039.4267	6708.58856	9729.63862	2026.78042	3326.97918	8899.25958	4386.80506	2764.28812	786.67488
812.648111	106602.285	94665.9515	40130.021	56740.0864	10993.2384	19477.7696	53553.3867	26676.9861	15404.6399	4336.79908
0.556551	4.481014	4.868207	3.697823	4.297148	1.698568	1.804653	3.706305	2.460076	1.968426	1.182275
108.41529	13938.1828	9078.8765	2350.34877	4694.67757	593.525947	1764.93286	8615.7648	3908.60098	986.275348	183.466837
22268.52	22159.48	19592.98	21041.82	22586.36	21990.7	20717.6	23758.54	21196.1	22479.06	22136.28
56.807448	56.529285	55.661875	56.11152	56.4659	56.098724	56.297826	56.034292	56.372606	56.19765	56.470102
22736	22736	20416	21808	23200	22736	21344	24592	21808	23200	22736
58	58	58	58.154666	58	58	58	58	58	58	58
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
6.132493	50.276765	54.280286	41.633405	48.050933	19.240635	20.203498	41.528509	27.434311	22.213074	13.472713
6.132493	50.276765	54.280286	41.633405	48.050933	19.240635	20.203498	41.528509	27.434311	22.213074	13.472713
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
992.846063	143823.565	135515.941	54963.3946	76829.2911	15481.0735	28663.002	79969.616	38502.0331	22669.8312	5499.83578
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
992.846063	143823.565	135515.941	54963.3946	76829.2911	15481.0735	28663.002	79969.616	38502.0331	22669.8312	5499.83578
110.47	238.66	222.38	183.88	198.85	80.23	109.64	237.67	173.87	59.95	118.14
48.665903	32042.9152	47478.1128	31060.0739	34728.2949	9360.01838	10670.3275	2021.1214	3366.63152	11847.9919	3916.30577
52.05167	36100.1876	57759.0817	35879.819	39888.9235	11059.7131	12855.2507	2561.65033	4091.25741	14449.4778	4119.553
0.500452	21.1809	28.511952	28.325904	30.276789	14.07834	11.412603	4.524621	4.770918	16.253283	9.388583
0.669723	510.765673	738.990361	462.707271	534.553673	152.166309	165.839932	30.098182	50.770154	188.768741	64.041622
78.502633	68.485243	69.406402	67.654837	69.441205	62.451596	67.214759	71.570086	70.733843	64.641787	66.462219
6.28021	52.534693	55.493711	39.77801	47.168795	14.973308	18.115337	45.05799	28.991368	16.756022	5.981599
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
0.031071	5.077959	4.837727	1.899306	2.58245	0.548928	0.959836	2.228349	1.23867	0.7337	0.213061
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
50.555152	16875.3354	23464.7201	7537.98104	9476.32591	2294.09751	5605.85262	16679.7082	7104.74058	4257.00045	275.414708
11.510276	1479.79433	963.889638	249.532728	498.426326	63.01369	187.380067	914.721817	414.969845	104.711258	19.478377
893.625007	94905.3143	64573.1083	16365.3397	32624.6703	3826.95762	12386.8219	61268.7863	28030.661	6564.83878	1308.1153
0.04	13.91	13.27	7.54	9.93	2.58	2.96	1.18	1.54	2.66	1.14
-50.555152	-16875.335	-23464.72	-7537.981	-9476.3259	-2294.0975	-5605.8526	-16679.708	-7104.7406	-4257.0004	-275.41471
-102.60682	-52975.523	-81223.802	-43417.8	-49365.249	-13353.811	-18461.103	-19241.359	-11195.998	-18706.478	-4394.9677
0.17	13.66	5.93	1.48	4.94	0.28	1.11	9.16	4.07	0.63	0.19
71.6385	10914.1309	8778.6136	3366.9008	4212.9036	869.7201	1718.3678	5639.1832	2561.4071	1296.2405	338.0504
0.02	0.84	0.68	0.33	0.54	0.08	0.09	0.55	0.12	0.14	0.1

10.2788	440.3448	356.4696	172.9926	283.0788	41.9376	47.1798	288.321	62.9064	73.3908	52.422
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
812.648111	106602.285	94665.9515	40130.021	56740.0864	10993.2384	19477.7696	53553.3867	26676.9861	15404.6399	4336.79908
12.18	1990.56	1702.88	712.24	1032.98	215.18	353.22	944.82	465.74	293.48	83.52
10.2788	440.3448	356.4696	172.9926	283.0788	41.9376	47.1798	288.321	62.9064	73.3908	52.422
942.290911	126948.23	112051.221	47425.4136	67352.9652	13186.976	23057.1494	63289.9077	31397.2925	18412.8307	5224.42108
119.364	19905.6	17028.8	7122.4	10329.8	2151.8	3532.2	9448.2	4657.4	2934.8	835.2
	0.7	0.74	0.53							0.11
11.035197	10.778126	10.823918	10.973696	11.003404	11.189541	11.233474	11.139467	11.157201	11.196956	11.11111
0.607734	0.812436	0.748633	0.64982	0.578747	0.518745	0.497949	0.537451	0.531496	0.517115	0.552109
0.586724	0.786135	0.720176	0.624798	0.279813	0.501721	0.479565	0.519182	0.514008	0.499106	0.534852
1002620.49	1329371.19	1086833.6	953584.623	399688.221	836967.156	768089.78	995193.163	870918.394	818415.641	830104.953
3250.95691	4295.6834	3662.70944	3645.17058	1695.81072	3684.94303	3202.99582	3290.8894	3071.13006	3572.17135	3551.30698
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
0.035127	0.033086	0.040028	0.037898	0.037525	0.034081	0.037663	0.034976	0.034255	0.035825	0.031862
279976.95	365775.619	302659.897	284204.997	136024.273	243481.702	219509.412	271436.172	238633.26	247191.454	257879.979
419577.226	567815.764	469167.567	440086.596	210773.667	376674.965	341667.596	423227.512	372622.693	382881.302	399404.063
3.4217	3.488599	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886	3.4886
538031.704	709092.615	586736.476	550959.807	263696.655	472013.628	425540.946	526206.163	462614.438	479205.353	499926.128
41983.53	42072.33	37508.01	40154.25	21417.45	42029.04	39309.54	45417.87	40306.32	42809.37	42125.61
107.100841	107.327372	106.556846	107.078	53.543625	107.216938	106.819402	107.117617	107.197659	107.023425	107.46329
43512	43512	39072	41736	44400	43512	40848	47064	41736	44400	43512
111	111	111	111.296	111	111	111	111	111	111	111
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
40.033703	39.848623	40.042125	40.557966	41.651544	41.440583	41.57739	41.20775	41.232891	41.528112	41.094121
39.640597	39.51768	39.677848	40.205934	40.306575	40.957614	41.100675	40.768232	40.827532	40.979676	40.682936
1014620.82	1351578.88	1118823.73	1049400.4	513179.711	900002.524	813511.154	1006151.33	884308.953	915548.934	953108.803
920574.783	1831719.44	1413211.47	1094767.4	507809.891	686117.494	633096.717	905316.435	757898.615	704425.005	787062.208
-94046.034	480140.564	294387.744	45366.9981	-5369.8205	-213885.03	-180414.44	-100834.89	-126410.34	-211123.93	-166046.59
920574.783	1831719.44	1413211.47	1094767.4	507809.891	686117.494	633096.717	905316.435	757898.615	704425.005	787062.208
378.23	379.03	337.91	361.75	192.95	378.64	354.14	409.17	363.12	385.67	379.51
2984.04796	13213.3466	23096.8509	87528.8557	98635.6707	53636.7878	36730.2141	1155.34352	5507.87936	86218.8137	113908.449
3273.83146	18388.6968	33031.9724	110106.279	130021.465	61064.938	40674.6215	1189.67227	5788.17234	100192.938	127527.696

7.024379	9.073401	13.833958	23.396411	38.397168	25.658365	25.955033	5.636649	11.157907	31.586686	32.97887
79.49539	339.805301	596.091681	2261.82204	2548.38014	1386.32717	939.334279	29.375353	139.907293	2227.2843	2948.85415
31.418905	45.464249	39.77946	32.598685	30.087986	25.891637	26.794136	28.814442	29.15224	25.474056	28.544599
31.413152	45.459556	39.772092	32.549637	29.962456	25.844984	26.731022	28.812035	29.141765	25.390611	28.440653
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
65.126474	87.261056	79.939636	69.537605	31.059335	55.691102	53.231788	57.629264	57.054994	55.40078	59.368637
-240389.99	288949.648	136187.416	-103186.95	-76469.708	-341152.92	-295152.01	-242714.58	-251143.94	-340330.9	-300840.46
-240389.99	288949.648	136187.416	-103186.95	-76469.708	-341152.92	-295152.01	-242714.58	-251143.94	-340330.9	-300840.46
25450.0826	33866.5287	27542.6603	23814.78	9875.35386	20444.5848	18649.9637	24405.4326	21312.7707	19933.0277	20323.6519
1002620.49	1329371.19	1086833.6	953584.623	399688.221	836967.156	768089.78	995193.163	870918.394	818415.641	830104.953
0.41	13.22	13.17	17.94	13.04	3.29	2.35	0.06	0.22	4.84	5.72
94046.0336	-480140.56	-294387.74	-45366.998	5369.82049	213885.03	180414.437	100834.891	126410.338	211123.93	166046.594
90772.2021	-498529.26	-327419.72	-155473.28	-124651.64	152820.092	139739.816	99645.2192	120622.166	110930.992	38518.8982
359.57	307.91	267.02	262.25	115.75	322.12	308.19	379.13	336.84	318.18	289.27
				0.5						
113264.138	114239.352	97127.5369	91604.4069	41251.1631	83652.5836	82360.2911	118893.985	99650.6056	85978.4075	86374.4864
0.91	0.89	0.88	0.82	1.47	0.93	0.86	0.97	0.78	1.08	0.9
9016.28	8994.34	8893.28	8286.92	14855.82	9398.58	8691.16	9802.82	7882.68	10914.48	9095.4
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
957608.93	1276908.38	1055904.04	991046.403	474470.322	848688.593	767208.542	949433.675	835237.131	862086.655	899330.191
25529.578	34206.334	28138.752	26076.602	12423.734	21830.912	19589.298	24434.808	21452.678	22160.312	23272.506
9016.28	8994.34	8893.28	8286.92	14855.82	9398.58	8691.16	9802.82	7882.68	10914.48	9095.4
1160964.77	1542769.8	1277024.06	1197954.35	584279.599	1027270.41	928248.723	1148031.01	1009042.56	1044755.91	1087902.67
47995.6066	65676.1613	54026.4038	50067.0758	23853.5693	41915.351	37611.4522	46914.8314	41189.1418	42547.799	44683.2115
6.24	14.27	17.9	59.53	37.34	37.86	26.77	1.87	7.67	44.94	72.87

0.034642	0.03579	0.030056	0.019893	0.0348	0.031479	0.033586	0.029976	0.030691	0.02945	0.03426

1135.26	1133.91	1024.26	1105.56	1158.24	1138.98	1066.92	1233.87	1093.38	1164.66	1135.71
2.896071	2.892627	2.909829	2.94816	2.8956	2.905561	2.899239	2.91007	2.907925	2.91165	2.897219
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

11.469915	11.259959	11.30309	11.450332	11.493052	11.680337	11.68495	11.622156	11.549535	11.746372	11.503549
0.74687	0.859783	0.817955	0.75502	0.720166	0.628927	0.634322	0.650595	0.693886	0.618665	0.704849
0.599375	0.825338	0.775879	0.722243	0.685898	0.340905	0.607287	0.622005	0.662737	0.475292	0.67484
309562.875	429179.323	363853.179	364914.332	370917.183	183343.694	307981.296	362290.836	339693.412	261595.391	358521.396
997.944239	1388.70697	1228.23267	1405.18571	1604.43874	810.82132	1289.34585	1203.95595	1205.84274	1180.70212	1546.7495
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
0.04329	0.040255	0.053181	0.044361	0.048075	0.050841	0.042445	0.044316	0.04343	0.046075	0.043316
114347.412	155331.676	131721.327	132324.71	134522.486	66435.8471	111536.683	131074.06	122826.153	94822.7517	130021.51
171456.859	241002.271	204345.942	204826.764	208262.896	103114.593	173334.564	203999.407	191252.132	147118.988	201343.859
2.5991	2.6495	2.6495	2.6495	2.6495	2.649499	2.6495	2.6495	2.6495	2.6495	2.6495
125679.24	170787.178	144827.599	145491.018	147907.474	73046.2139	122634.582	144115.929	135047.355	104257.616	142958.65
13517.05	16177.46	14331.04	15450.76	16373.11	9117.72	15152.34	17424.03	15425.39	13174.34	16125.86
34.48227	41.26903	40.713181	41.202026	40.932775	23.259489	41.174836	41.09441	41.024973	32.93585	41.137397
16856	16856	15136	16168	17200	16856	15824	18232	16168	17200	16856
43	43	43	43.114666	43	43	43	43	43	43	43
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
32.100519	31.50677	31.75226	32.205194	32.270854	33.804977	32.753928	32.643162	32.389853	33.812999	32.32089
31.042739	31.080934	31.192747	31.593495	31.699921	32.193849	32.198802	32.025507	31.830901	32.363197	31.725128
318972.488	434277.283	369750.819	371211.812	377064.723	191690.354	312979.296	368738.256	345141.232	271941.251	364568.976
349052.523	717434.448	561300.206	464534.404	450859.29	176448.04	303549.576	399574.622	361244.168	249920.031	371491.052
30080.0358	283157.164	191549.387	93322.5923	73794.5675	-15242.314	-9429.7202	30836.3655	16102.9357	-22021.22	6922.07588
349052.523	717434.448	561300.206	464534.404	450859.29	176448.04	303549.576	399574.622	361244.168	249920.031	371491.052
314.35	376.22	333.28	359.32	380.77	212.04	352.38	405.21	358.73	306.38	375.02

35.905287	46.248932	43.047745	33.423421	32.009334	24.192474	27.048122	26.304535	27.655814	26.883504	29.762994
5.744846	12.487211	10.331458	11.029729	27.207933	12.822011	5.950586	7.365269	7.743628	5.91437	9.524158
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
25.773137	35.48954	33.362812	31.139306	29.493625	14.658954	26.113369	26.746226	28.497712	20.437575	29.018137
-29689.356	201965.297	122698.649	24156.4666	3479.66389	-49968.331	-67729.944	-37676.046	-48098.295	-71585.073	-61040.167
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10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
309562.875	429179.323	363853.179	364914.332	370917.183	183343.694	307981.296	362290.836	339693.412	261595.391	358521.396
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1.47	3	2.67	3.42	29.12	7.46	2.01	3.27	3.28	2.35	2.56
0.160714					0.428571			0.002659	0.1975	
92228.1514	112827.496	95118.5074	90110.4012	85072.6367	44811.72	81396.2003	116410.995	97768.0921	64482.0611	84054.102
1.92	1.02	1.18	1.26	1.23	1.67	1	1.29	1.09	2.07	1.21
9409.6128	5097.96	5897.64	6297.48	6147.54	8346.66	4998	6447.42	5447.82	10345.86	6047.58
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
297136.099	411789.448	349173.541	350317.782	356170.37	176160.806	295969.146	348115.336	326299.487	251376.603	344302.508
10103.07	13911.9	11743.71	11677.24	11797.45	5746.31	9609.72	11340.4	10715.14	8175.03	11375.11
9409.6128	5097.96	5897.64	6297.48	6147.54	8346.66	4998	6447.42	5447.82	10345.86	6047.58
378741.88	515469.15	438601.556	440377.938	447379.626	226416.371	371279.52	437250.668	409342.463	321505.103	432531.219
12426.7761	17389.875	14679.6375	14596.55	14746.8125	7182.8875	12012.15	14175.5	13393.925	10218.7875	14218.8875
0.02528	0.027525	0.032272	0.042978	0.021475	0.026887	0.044565	0.0429	0.023111	0.032	0.022525
1146.27	1143.63	1021.92	1079.52	1174.23	1144.38	1054.8	1217.43	1101.93	1161.6	1149.51
2.924158	2.917423	2.903181	2.87872	2.935575	2.919336	2.866304	2.871297	2.930664	2.904	2.932423
1176	1176	1056	1128	1200	1176	1104	1272	1128	1200	1176
3	3	3	3.008	3	3	3	3	3	3	3

6.583458	9.155358	5.475971	4.769586	0.98776	2.690887	6.220466	3.378635	1.69661
0.012862	0.023898	0.006135	0.006352	0.001855	0.004613	0.012829	0.005655	0.003922
0.012469	0.022931	0.005994	0.00624	0.001739	0.004581	0.012415	0.005489	0.0037
6279.83884	6720.61784	1252.42708	2053.25271	270.252883	1567.20652	16939.1723	4543.01733	1261.16496
19.289401	21.514551	4.505781	8.541216	1.09854	4.788774	47.650583	13.644298	4.026603

	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
0.025153	0.029119	0.035	0.031289	0.0307	0.02667	0.030584	0.027653	0.030159	0.034287	0.024553
	3426.4	5704.4	1587.1	1753.2	484.9	1200.3	3742.4	1466.4	1051.6	
	16876.7631	30308.9636	8325.2426	9823.44837	2641.00194	7058.53629	22659.964	8971.17632	5885.38177	
	2.379592	3.577373	2.068195	1.944051	0.382645	1.117874	2.615874	1.44703	0.683395	
	1289.35882	1120.71613	252.629532	366.834877	52.334204	256.924968	2772.62296	736.727303	227.706464	
19170.3	19068.4	16986.7	18208.3	19399.5	19128.7	17875.8	20627.7	18220.7	19221.1	19160
48.903826	48.643877	48.25767	48.555466	48.49875	48.797704	48.575543	48.650235	48.459308	48.05275	48.877551
19600	19600	17600	18800	20000	19600	18400	21200	18800	20000	19600
50	50	50	50.133333	50	50	50	50	50	50	50
	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
	35.804534	71.481596	39.296623	32.339489	8.162838	25.599844	66.923543	31.006839	16.576431	
	33.965096	50.758714	29.240048	27.482799	5.409327	15.84549	37.450608	20.409246	9.671407	
	17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
	18701.7417	35757.1427	9309.48218	10872.0345	3027.5608	8427.31154	27220.0167	10623.2961	6819.61056	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	18701.7417	35757.1427	9309.48218	10872.0345	3027.5608	8427.31154	27220.0167	10623.2961	6819.61056	
108.97	209.74	249.61	202.46	171.44	110.02	158.43	343.85	243.38	97.34	135.25
	10765.0633	23771.5717	7111.56252	7830.24566	2380.04306	5500.91077	5922.89074	4449.893	4631.65281	
	11769.3224	27985.4513	7930.80083	8661.97277	2721.00944	6511.32104	7065.951	5182.28467	5319.19608	
	6.705752	12.549092	7.4412	6.052409	1.406532	3.973213	4.671864	3.701836	2.593948	
	152.601336	324.09921	94.697363	98.597508	30.426128	66.291073	66.853789	50.937345	57.75565	
	73.712586	83.939533	71.774194	80.501148	80.170235	89.205284	91.380796	89.952555	81.606596	
	27.683154	44.219773	15.776768	17.700429	1.603404	11.596686	39.265866	20.660667	5.712461	
	244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
	0.623469	1.14659	0.300533	0.312	0.086989	0.229076	0.620754	0.274468	0.185	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	1656.83962	5264.95313	945.492578	988.536094	377.264861	1359.19425	4357.95369	1630.38575	926.792788	
	91.798663	79.500789	18.002636	26.202491	3.673871	18.008926	196.34621	52.262654	16.244349	
	6279.83884	6720.61784	1252.42708	2053.25271	270.252883	1567.20652	16939.1723	4543.01733	1261.16496	
	2.86	4.52	1.5	1.99	0.48	1.08	1.73	1.17	1.01	
	-1656.8396	-5264.9531	-945.49258	-988.53609	-377.26486	-1359.1942	-4357.9537	-1630.3858	-926.79279	
	-13426.162	-33250.404	-8876.2934	-9650.5089	-3098.2743	-7870.5153	-11423.905	-6812.6704	-6245.9889	
	0.83	0.78	0.14	0.26	0.05	0.24	1.87	0.37	0.04	
	1992.7777	3430.1525	830.5477	772.8537	245.3913	764.7235	2797.2978	994.9372	600.9445	

0.29	0.22	0.06	0.1	0.01		0.25	0.02		
165.851	157.486	34.314	57.19	5.719		174.643	11.438		
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
16876.7631	30308.9636	8325.2426	9823.44837	2641.00194	7058.53629	22659.964	8971.17632	5885.38177	
244.4	403.6	112.7	124.8	34.1	84.3	263.2	103.2	74	
165.851	157.486	34.314	57.19	5.719		174.643	11.438		
17044.9021	30492.1896	8363.9896	9883.49837	2650.29594	7068.11729	22862.063	8992.91032	5892.81777	
2.288	25.74	4.433	2.86	3.575	9.581	27.456	10.296	7.436	
0.01	0.14	0.1							

0.021301	0.025994	0.022187	0.025531	0.01915	0.029387	0.030978	0.039787	0.036303	0.030275	0.025586

1534.6	1527.24	1376.76	1465.6	1569.36	1521.92	1426.4	1628.52	1449.4	1551.56	1527.88
3.914795	3.89602	3.91125	3.908266	3.9234	3.882448	3.876086	3.840849	3.854787	3.8789	3.897653
1568	1568	1408	1504	1600	1568	1472	1696	1504	1600	1568
4	4	4	4.010666	4	4	4	4	4	4	4

10.446017	10.222991	10.253534	10.39407	10.417359	10.634843	10.666253	10.548616	10.552217	10.664256	10.468202
0.528564	0.714191	0.677345	0.559579	0.508756	0.374977	0.364215	0.412515	0.409975	0.384431	0.454522
0.501382	0.67548	0.642199	0.528151	0.475295	0.267824	0.346444	0.389631	0.384609	0.366739	0.431795
413720.715	558349.661	478806.911	424347.593	408998.375	230569.918	282064.845	362521.878	317381.499	322620.151	366759.978
1338.71563	1807.93109	1615.0501	1626.48389	1768.56772	1018.02324	1161.95837	1180.58025	1108.28309	1422.57717	1575.14594
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
0.051913	0.057321	0.053806	0.059521	0.06625	0.066096	0.050869	0.056179	0.066409	0.047325	0.051096
118412.365	156498.058	134221.574	119157.853	114843.785	64759.4773	79052.133	101336.061	88655.4554	90680.5597	103032.949
177558.595	243060.027	208435.837	184458.079	178047.958	100359.905	123097.83	158599.162	138976.683	140477.631	159488.438
3.4341	3.5012	3.5012	3.5012	3.5012	3.5012	3.501199	3.5012	3.5012	3.5012	3.5012
229021.354	305359.011	261893.135	232500.803	224083.194	126358.692	154246.522	197726.922	172984.525	176935.908	201037.89
21778.69	21654.458	19517.316	20722.132	21833.188	16347.642	20467.808	23450.548	20570.358	22330.702	21797.442

55.557882	55.240964	55.44692	55.259018	54.582969	41.703168	55.619043	55.307896	54.708398	55.826754	55.605719
22971.2	22971.2	20627.2	22033.6	23440	22971.2	21564.8	24846.4	22033.6	23440	22971.2
58.599999	58.599999	58.6	58.756266	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
40.342632	39.867786	39.231929	40.554638	40.825035	46.686621	42.681778	42.13986	42.64581	42.181273	41.119992
36.492287	36.429669	36.536548	37.035284	37.11235	37.875442	37.975656	37.556049	37.565038	37.973458	37.289801
447068.16	593044.354	504657.859	455699.871	442595.455	274874.763	311378.179	399937.724	352306.229	350353.5	399981.754
435368.798	853409.644	684611.479	513857.113	475378.484	210381.623	263046.755	391268.551	320465.944	298733.056	358328.582
-11699.362	260365.29	179953.621	58157.2411	32783.0293	-64493.14	-48331.423	-8669.1724	-31840.286	-51620.443	-41653.172
435368.798	853409.644	684611.479	513857.113	475378.484	210381.623	263046.755	391268.551	320465.944	298733.056	358328.582
371.65	369.53	333.06	353.62	371.36	278.97	349.28	400.18	351.03	381.07	371.97
			59.025408	262.962787	86.119325	60.945387		3.274626	295.062167	114.42131
			65.169619	320.149107	87.196183	62.689909		2.989763	334.579281	118.214158
			1.374195	3.343059	1.949817	1.153805		0.079178	2.874663	1.863787
			1.487942	6.954757	2.132531	1.539887		0.079178	7.941478	2.969949
31.979383	47.554803	43.020464	36.513313	31.848283	28.863817	28.034237	29.247621	30.522181	26.770004	30.456698
30.06062	45.177063	38.718418	31.696981	31.847152	24.23954	24.386515	25.44543	27.44937	24.050715	27.990033
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862
29.38103	39.583158	37.632897	31.032234	27.85229	15.694515	20.301625	22.832377	22.53809	21.490915	25.303219
-73593.505	178563.755	109796.004	-4126.5688	-27245.817	-98342.919	-89651.973	-61637.532	-78180.492	-99019.172	-95508.494
-73593.505	178563.755	109796.004	-4126.5688	-27245.817	-98342.919	-89651.973	-61637.532	-78180.492	-99019.172	-95508.494
11517.364	15516.598	13246.78	11635.6001	11133.9612	6150.11747	7469.45811	9680.928	8474.24282	8588.42452	9915.89205
413720.715	558349.661	478806.911	424347.593	408998.375	230569.918	282064.845	362521.878	317381.499	322620.151	366759.978
			0.03	0.13	0.01				0.03	0.01
11699.3618	-260365.29	-179953.62	-58157.241	-32783.029	64493.1401	48331.4233	8669.17244	31840.2856	51620.4431	41653.1715
11699.3618	-260365.29	-179953.62	-58222.411	-33103.178	64405.9439	48268.7334	8669.17244	31837.2959	51285.8638	41534.9573
23.42	19	21.35	20.11	183.65	15.81	22.16	22.86	19.63	23.08	19.42
				0.0025	0.242346					
103425.521	102042.944	90446.2475	83173.7326	77918.8206	55576.5336	76276.8921	108049.79	88656.5359	79842.1641	78638.9687
1.5	1.53	1.14	1.38	1.47	1.95	1.29	1.65	1.54	1.21	1.46
33347.445	34694.6931	25850.9478	31293.2526	33334.1169	44218.7265	29252.3883	37415.8455	34921.4558	27438.2867	33107.3542
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
406579.95	548419.039	470328.972	416958.882	402131.152	226718.597	277344.352	356326.084	311961.207	317413.539	360526.328
11517.364	15516.598	13246.78	11637.088	11140.916	6152.25	7470.998	9680.928	8474.322	8596.366	9918.862

33347.445	34694.6931	25850.9478	31293.2526	33334.1169	44218.7265	29252.3883	37415.8455	34921.4558	27438.2867	33107.3542
508962.303	674845.889	574815.475	517983.681	502624.302	308724.542	352698.728	452906.083	398646.436	397752.228	453837.076
7140.76568	9930.62272	8477.9392	7447.73632	7130.18624	3937.44	4781.43872	6195.79392	5423.56608	5501.67424	6348.07168
			0.14	0.77	0.17	0.11		0.02	0.22	0.19
	4.05	7.35	4.2	2.85	0.75	2.4	5.85	2.4	1.5	
	0.006953	0.018035	0.003656	0.002581	0.001644	0.003946	0.010993	0.004366	0.003161	
	0.006785	0.017471	0.003617	0.00255	0.001581	0.003831	0.010754	0.004228	0.00295	
	693.039154	864.589799	113.923376	164.021065	53.394623	330.504535	3298.05489	759.459659	148.676476	
	2.110389	2.749763	0.392709	0.672824	0.225372	0.996771	9.164262	2.264753	0.448658	
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
0.022142	0.021607	0.026732	0.030664	0.034025	0.032729	0.021222	0.031344	0.033191	0.035625	0.034795
	558.6	1291.5	285.6	214.2	130.2	296.1	957.6	333.9	247.8	
	2637.94071	6718.77954	1486.01894	1212.22704	695.633875	1736.56314	5800.45717	2057.94912	1381.04015	
	1.343644	2.655915	1.496833	1.101351	0.264163	0.936236	2.318137	0.973886	0.563819	
	150.29101	148.66583	20.10477	27.814228	10.5	54.6	528.636233	121.317971	26.8409	
5366.48	5369.42	4796.26	5102.58	5409.46	5308.38	5042.66	5749.94	5089.28	5400.5	5297.04
13.69	13.6975	13.625738	13.60688	13.52365	13.541785	13.70288	13.561179	13.535319	13.50125	13.512857
5488	5488	4928	5264	5600	5488	5152	5936	5264	5600	5488
14	14	14	14.037333	14	14	14	14	14	14	14
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
	21.25674	40.815587	22.452498	17.103606	3.999945	14.106047	36.231294	14.608298	8.544799	
	21.25674	40.815587	22.452498	17.103606	3.999945	14.106047	36.231294	14.608298	8.544799	
	2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
	2921.61654	7876.32929	1655.18512	1360.70065	795.353714	2069.9858	6867.81364	2419.47716	1567.67083	
	147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675	
	2921.61654	7876.32929	1655.18512	1360.70065	795.353714	2069.9858	6867.81364	2419.47716	1567.67083	
58.93	104.38	135.44	118.99	88.52	62.83	86.95	175.64	116.97	74.29	76.9
	2081.40155	5990.68974	1372.09556	1079.70598	652.739251	1416.5586	2649.40228	1298.48946	1253.36368	
	2161.40479	6891.75331	1530.28506	1194.94643	733.914982	1660.46439	3067.21217	1544.8047	1392.73553	
	3.102528	6.452081	3.820337	2.205718	0.7	2.24	3.90948	2.033198	1.371934	
	27.220599	76.188944	17.699681	12.425718	7.98	16.1	28.597584	14.172135	14.730606	
	76.716495	90.329745	85.74837	89.243575	82.257126	99.884732	96.663214	96.382096	84.661162	
	10.497679	18.969246	5.144902	5.354614	0.822571	4.994236	31.177362	9.638209	5.079669	
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	

	0.095	0.244602	0.050773	0.0357	0.022142	0.053641	0.150566	0.059202	0.0413	
	147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675	
	147.175829	1021.04974	169.166189	116.973606	89.219838	322.922661	920.356469	361.528043	165.630675	
	10.0194	9.911055	1.340318	1.854281	0.7	3.64	35.242415	8.087864	1.789393	
	693.039154	864.589799	113.923376	164.021065	53.394623	330.504535	3298.05489	759.459659	148.676476	
	1.99	4	0.97	0.7	0.34	0.64	1.31	0.54	0.72	
	-147.17583	-1021.0497	-169.16619	-116.97361	-89.219838	-322.92266	-920.35647	-361.52804	-165.63068	
	-2308.5806	-7912.803	-1699.4512	-1311.92	-823.13482	-1983.3871	-3987.5686	-1906.3327	-1558.3662	
	0.51	0.33	0.05	0.12	0.02	0.1	1.36	0.34	0.06	
	849.3481	1846.8677	369.3179	242.4403	145.8366	417.3722	1588.1504	509.9278	318.2127	
	0.13	0.13		0.03	0.01	0.01	0.14		0.02	
	136.5	136.5		31.5	10.5	10.5	147		21	
	2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
	2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
	2637.94071	6718.77954	1486.01894	1212.22704	695.633875	1736.56314	5800.45717	2057.94912	1381.04015	
	37.24	86.1	19.04	14.28	8.68	19.74	63.84	22.26	16.52	
	136.5	136.5		31.5	10.5	10.5	147		21	
	2774.44071	6855.27954	1486.01894	1243.72704	706.133875	1747.06314	5947.45717	2057.94912	1402.04015	
		0.05	0.01							
10.981584	10.737432	10.787248	10.9444	10.963561	11.160012	11.224881	11.123933	11.122121	11.183927	11.061184
0.345495	0.4745	0.446296	0.378956	0.305277	0.268865	0.285259	0.311917	0.310793	0.284771	0.321022
0.327735	0.457995	0.428123	0.363943	0.248802	0.236182	0.274827	0.300211	0.298728	0.267745	0.310278
1726797.7	2418778.37	2001652	1760578.24	1214445.72	1255031.37	1372420.45	1801511.89	1561326.44	1410605.86	1556694.44
5590.23087	7808.55237	6741.44484	6739.68497	5215.41414	5531.01372	5701.75148	5909.45273	5488.51286	6202.9891	6678.46077
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
0.029988	0.03236	0.036185	0.035454	0.034886	0.034554	0.034955	0.035885	0.03601	0.035118	0.031347
512851.449	700339.438	591638.125	544268.849	397087.583	377318.907	414921.606	517445.553	456301.974	436758.454	491721.113
769405.328	1177995.05	1013643.04	879312.721	664860.283	594479.337	666372.858	867839.888	740557.619	693148.982	764573.159
3.241037	3.358848	3.379294	3.316215	3.264238	3.354598	3.289284	3.335274	3.294363	3.32606	3.272193
892732.299	1185238.8	993457.211	928951.629	635687.323	671418.534	702422.05	868049.015	770646.318	760398.877	843922.668
108.41529	15377.8326	10348.2585	2623.08308	5089.32667	656.360152	2076.45783	11917.024	4766.64625	1240.82271	183.466837
136497.5	138854.753	123841.921	132524.572	119609.498	126349.237	130123.418	149799.823	132571.533	138022.217	139046.957
348.207908	354.221308	351.823639	353.398858	299.023745	322.319482	353.596244	353.301469	352.583864	345.055542	354.711625
143903.2	143903.2	129219.2	138029.6	146840	143903.2	135092.8	155650.4	138029.6	146840	143903.2

367.099999	367.099999	367.099999	368.078933	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
118.609349	218.561221	277.603787	216.700327	212.241464	153.335601	176.922488	260.674121	189.318006	164.85669	128.007717
37.038368	37.737878	38.122448	37.859637	37.285623	39.059716	38.467697	38.717021	38.180357	38.750183	37.677775
1781603.76	2525668.09	2142631.09	1933587.5	1411320.08	1383111.05	1469740.96	1866926.73	1624204.57	1563551.37	1722883.95
1705988.95	3568010.46	2838272.57	2139086.98	1523109.69	1092251.15	1238853.35	1810217.05	1491153.53	1284135.2	1522381.68
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1705988.95	3568010.46	2838272.57	2139086.98	1523109.69	1092251.15	1238853.35	1810217.05	1491153.53	1284135.2	1522381.68
1345.64	1688.32	1618.09	1590.64	1404.83	1138.13	1417.63	1979.74	1614.86	1318.79	1461.41
3032.71386	58102.7267	100337.225	127131.613	142536.88	66115.7078	54378.9564	11748.7579	14626.168	104246.884	117939.176
3325.88313	68419.6116	125668.259	155512.353	180087.457	75666.7716	61764.3475	13884.4858	16609.5089	121688.927	131765.463
1.881208	6.68119	10.556596	10.257035	12.332507	6.457084	6.958267	3.344925	3.634982	8.182066	11.05781
80.165113	1030.39291	1735.3702	2838.4143	3200.9118	1579.03214	1189.10517	154.924909	255.866106	2496.48077	3015.86572
32.767356	52.10444	52.870408	40.852675	39.410203	29.460294	33.124739	46.032107	38.733482	30.25868	30.306313
32.764624	51.911441	52.78481	40.759918	39.362522	29.433926	33.080528	45.871302	38.712647	30.193258	30.2444
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
120.311714	168.130183	157.164267	133.95976	91.3354	86.702632	100.889336	110.207537	109.663138	98.28927	113.903056
-343622.29	688158.05	398432.793	-74504.416	-89654.026	-486703.58	-445245.95	-320070.14	-368326.08	-505585.72	-457113.71
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47082.0269	64876.6391	53586.4518	47396.4957	33333.2482	32408.3999	35938.1708	46573.0711	40977.4739	36819.2272	41634.1323
1726797.7	2418778.37	2001652	1760578.24	1214445.72	1255031.37	1372420.45	1801511.89	1561326.44	1410605.86	1556694.44
0.45	31.98	34.96	27.98	25.79	6.7	7.03	4.28	3.47	9.26	6.87
75614.8045	-1042342.4	-695641.48	-205499.47	-111789.61	290859.902	230887.611	56709.68	133051.034	279416.169	200502.275
72288.9214	-1110762	-821309.73	-361011.82	-291877.07	215193.131	169123.264	42825.1942	116441.525	157727.242	68736.812
384.63	344.91	298.08	287.45	333.84	345.74	333.81	417.65	364.53	344.34	311.44
0.01461				0.045681	0.060992			0.000241	0.017954	
308989.449	342866.048	296747.926	269455.307	209470.818	185301.785	242933.847	353379.4	290141.506	232518.03	249405.608
4.35	4.7	4.23	3.85	4.84	4.65	3.25	4.85	3.55	4.52	3.67
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
2049611.24	2879852.41	2439839.78	2213591.39	1612763.72	1578954.73	1684099.3	2130287.19	1859479.61	1789720.93	1979495.38
2049611.24	2879852.41	2439839.78	2213591.39	1612763.72	1578954.73	1684099.3	2130287.19	1859479.61	1789720.93	1979495.38
1662137.63	2363233.85	2007100.25	1808264.35	1300547.61	1265897.87	1368794.91	1735888.9	1511203.94	1453547.86	1608495.83
47162.192	65907.032	55321.822	50234.91	36534.16	33987.432	37127.276	46727.996	41233.34	39315.708	44649.998
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
2049611.24	2879852.41	2439839.78	2213591.39	1612763.72	1578954.73	1684099.3	2130287.19	1859479.61	1789720.93	1979495.38

67682.5124	112904.547	94238.5205	79238.1952	56063.228	55191.0535	57946.8219	76761.7813	64674.3288	61210.4968	66085.3707
6.24	14.98	18.83	60.31	38.11	38.03	26.88	1.87	7.69	45.16	73.17
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
4446.29536	3763.45508	3104.43429	2571.38745	3563.31516	3115.59444	3096.72448	5407.35836	4461.31407	3075.21748	2750.41106
-120850.67	-121402.68	-104703.3	-97922.145	-92791.945	-89223.394	-88276.287	-126813.67	-106138.36	-92023.598	-91512.59
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
384.84	342.99	296.97	286.08	335.35	346.3	333.3	417.69	364.47	344.81	310.83
250.426929	224.650518	225.497805	189.684602	186.155687	182.600096	216.975413	269.038066	251.615026	220.726413	175.107688
129.991076	87.453668	94.549188	86.163436	90.3316	93.043209	93.602157	144.33331	130.821814	97.751297	86.936548
50245.7605	31217.4674	29036.3894	25952.0942	30764.5647	32511.7065	31481.4322	60386.853	47853.0221	34035.0734	27377.4753
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-308.29252	-309.70072	-297.45257	-261.12572	-231.97986	-227.6107	-239.88121	-299.08886	-282.28288	-230.059	-233.45048
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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
5210797.28	7095068.85	5567558.65	4222582.22	3983140.18	3104105.32	3288772.41	5687542.56	4549373.32	3203269.17	3362443.61
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
4446.29536	3763.45508	3104.43429	2571.38745	3563.31516	3115.59444	3096.72448	5407.35836	4461.31407	3075.21748	2750.41106
-120850.67	-121402.68	-104703.3	-97922.145	-92791.945	-89223.394	-88276.287	-126813.67	-106138.36	-92023.598	-91512.59
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167
384.84	342.99	296.97	286.08	335.35	346.3	333.3	417.69	364.47	344.81	310.83
250.426929	224.650518	225.497805	189.684602	186.155687	182.600096	216.975413	269.038066	251.615026	220.726413	175.107688
129.991076	87.453668	94.549188	86.163436	90.3316	93.043209	93.602157	144.33331	130.821814	97.751297	86.936548

50245.7605	31217.4674	29036.3894	25952.0942	30764.5647	32511.7065	31481.4322	60386.853	47853.0221	34035.0734	27377.4753
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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
5210797.28	7095068.85	5567558.65	4222582.22	3983140.18	3104105.32	3288772.41	5687542.56	4549373.32	3203269.17	3362443.61
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44

410130.142	448952.761	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
1339.29968	1456.21543	1395.68743	1690.22658	2210.97483	2015.16157	1493.99491	1082.87542	995.595079	1655.37757	1757.43304
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
242733.349	414674.14	328650.965	282071.199	310630.521	220412.294	176040.275	176092.62	150449.632	179647.956	216785.789
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
19.691074	21.916308	21.193169	21.038998	23.020727	21.024145	17.197352	13.566339	13.304838	16.856109	18.749748
-168495.27	-60106.042	-84483.591	-154856.21	-199324.63	-236000.03	-174439.01	-142460.23	-126595.43	-193748.59	-190251.75
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410130.142	448952.761	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
168495.269	60106.0422	84483.5912	154856.211	199324.626	236000.035	174439.009	142460.231	126595.434	193748.587	190251.751
168495.269	60106.0422	84483.5912	154856.211	199324.626	236000.035	174439.009	142460.231	126595.434	193748.587	190251.751
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142

411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
7718.9011	8591.19283	7459.9956	7889.62459	9208.29085	8241.46494	6328.62557	5752.12806	5002.61946	6742.44389	7349.90142
242733.349	414674.14	328650.965	282071.199	310630.521	220412.294	176040.275	176092.62	150449.632	179647.956	216785.789
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411228.618	474780.183	413134.556	436927.41	509955.147	456412.329	350479.284	318552.852	277045.066	373396.543	407037.54
387728.976	422683.785	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
1266.22725	1371.02548	1313.46574	1591.17652	2078.94062	1896.19503	1409.1281	1017.90808	936.141768	1559.29449	1655.53525
8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
272810.807	465975.513	369237.022	316962.806	348759.538	247576.157	198141.895	197713.034	168925.079	202014.631	243736.404
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2.147845	1.162451	0.506274	1.071404	7.497331	4.852706	1.339879	1.402002	1.551848	3.272519	1.525818
8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
22.1308	24.628162	23.810173	23.643318	25.843509	23.617173	19.361452	15.225144	14.935599	18.953094	21.08286
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387728.976	422683.785	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
115964.305	-18956.835	19565.973	94342.2719	130792.633	181899.31	132387.521	101755.816	91591.203	149678.993	139652.888
115964.305	-18956.835	19565.973	94342.2719	130792.633	181899.31	132387.521	101755.816	91591.203	149678.993	139652.888
0.68	0.13	0.13	0.26	2.26	1.53	0.28	0.2	0.31	1.24	0.52
120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	91512.5899
388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
388775.112	447018.677	388802.995	411305.078	479552.171	429475.467	330529.416	299468.85	260516.282	351693.624	383389.292
8675.27369	9654.23973	8381.18119	8866.24441	10337.404	9257.93203	7125.01435	6455.46131	5615.78534	7581.23786	8264.4814
272810.807	465975.513	369237.022	316962.806	348759.538	247576.157	198141.895	197713.034	168925.079	202014.631	243736.404
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177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
577.424025	603.248138	594.939784	742.343646	972.678976	724.49488	827.292227	752.837764	677.46331	719.842284	563.625785

3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
108606.308	176626.455	151642.314	132359.042	145163.531	86032.4859	105432.51	133210.995	110531.612	83940.2623	73850.2607
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
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3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
68601.1937	9892.54439	24218.7125	59437.3307	78155.7451	78109.3414	89302.0124	88710.5574	78049.2465	77653.5714	56016.8396
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120850.668	121402.681	104703.305	97922.145	92791.945	89223.3938	88276.287	126813.675	106138.364	92023.5983	84239.9321
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
3459.05722	3640.81591	3432.77428	3743.82925	4359.15043	3204.01771	3801.18139	4331.86711	3681.06303	3154.28135	2534.98146
108606.308	176626.455	151642.314	132359.042	145163.531	86032.4859	105432.51	133210.995	110531.612	83940.2623	73850.2607
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177207.502	186518.999	175861.027	191796.372	223319.276	164141.827	194734.522	221921.552	188580.859	161593.834	129867.1
348516.706	415740.204	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
1146.52071	1357.33627	896.126354	1490.03194	1959.80692	1496.23452	1450.61644	1065.64943	1022.49908	1548.81185	1774.43369
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
116643.783	221882.829	122755.114	143114.909	159724.925	96916.1535	98172.7412	97075.8585	87518.2949	98533.8664	126910.465
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
9.505931	11.936803	7.973045	10.863618	11.973217	9.183348	9.78767	7.816731	8.001064	9.228336	11.101066
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3712.7592	4428.89319	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
348516.706	415740.204	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
233146.358	217356.209	140692.185	239298.031	289845.427	241003.903	239934.111	214036.932	194880.219	247971.705	281575.92

233146.358	217356.209	140692.185	239298.031	289845.427	241003.903	239934.111	214036.932	194880.219	247971.705	281575.92
120850.668	121402.681	104703.305	97922.145	92791.945	89125.0591	88105.7995	125037.497	106138.364	92023.5983	91512.5899
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
3726.32514	4679.227	2806.51218	4073.85682	4789.28681	3599.87277	3601.86271	3314.29414	3008.40007	3691.33452	4351.61803
116643.783	221882.829	122755.114	143114.909	159724.925	96916.1535	98172.7412	97075.8585	87518.2949	98533.8664	126910.465
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349790.141	439239.038	263447.299	382412.94	449570.353	337920.057	338106.852	311112.791	282398.514	346505.571	408486.385
1323583.33	1473895.75	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
4329.47167	4787.82532	4200.21931	5513.77868	7222.40134	6132.08601	5181.03168	3919.2707	3631.69924	5483.32619	5751.02776
23579.5572	26565.4755	22080.4633	24573.5551	28694.1321	24303.2875	20856.684	19853.7506	17307.8679	21169.2976	22500.9823
740794.247	1279158.94	972285.415	874507.956	964278.515	650937.09	577787.422	604092.508	517424.618	564136.716	661282.919
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2.147845	1.162451	0.506274	1.071404	7.497331	4.852706	1.339879	1.402002	1.551848	3.272519	1.525818
23579.5572	26565.4755	22080.4633	24573.5551	28694.1321	24303.2875	20856.684	19853.7506	17307.8679	21169.2976	22500.9823
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1323583.33	1473895.75	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
586207.126	268397.961	268960.462	547933.845	698118.432	737012.59	636062.653	546963.537	491116.103	669052.857	667497.399
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0.68	0.13	0.13	0.26	2.26	1.53	0.28	0.2	0.31	1.24	0.52
483402.672	485610.724	418813.218	391688.58	371167.78	356795.241	352934.661	505478.521	424553.456	368094.393	358777.702
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
23579.5572	26565.4755	22080.4633	24573.5551	28694.1321	24303.2875	20856.684	19853.7506	17307.8679	21169.2976	22500.9823
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1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
23579.5572	26565.4755	22080.4633	24573.5551	28694.1321	24303.2875	20856.684	19853.7506	17307.8679	21169.2976	22500.9823
740794.247	1279158.94	972285.415	874507.956	964278.515	650937.09	577787.422	604092.508	517424.618	564136.716	661282.919

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1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
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3830827.68	5912282.94	4631259.69	3545655.9	3151007.13	2389083.93	2526369.21	4049049.45	3275360.87	2468894.43	2712290.44
4430350.63	5075460.03	4179196.84	3859946.35	3708975.71	3358002.44	3348673.73	4591061.05	3843879.61	3378170.18	3535627.93
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512851.449	700339.438	591638.125	544268.849	397087.583	377318.907	414921.606	517445.553	456301.974	436758.454	491721.113
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892732.299	1185238.8	993457.211	928951.629	635687.323	671418.534	702422.05	868049.015	770646.318	760398.877	843922.668
108.41529	15377.8326	10348.2585	2623.08308	5089.32667	656.360152	2076.45783	11917.024	4766.64625	1240.82271	183.466837
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1781603.76	2525668.09	2142631.09	1933587.5	1411320.08	1383111.05	1469740.96	1866926.73	1624204.57	1563551.37	1722883.95
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1379969.6	1182785.91	936298.964	676926.316	832133.046	715021.392	762403.199	1638493.11	1274012.45	734374.747	650153.167

384.84	342.99	296.97	286.08	335.35	346.3	333.3	417.69	364.47	344.81	310.83
250.426929	224.650518	225.497805	189.684602	186.155687	182.600096	216.975413	269.038066	251.615026	220.726413	175.107688
14.443452	7.287805	7.879099	7.180286	7.527633	7.7536	7.800179	12.027775	10.901817	8.145941	9.659616
50,245.76	31,217.47	29,036.39	25,952.09	30,764.56	32,511.71	31,481.43	60,386.85	47,853.02	34,035.07	27,377.48
3325.88313	68419.6116	125668.259	155512.353	180087.457	75666.7716	61764.3475	13884.4858	16609.5089	121688.927	131765.463
0.836092	3.897361	6.158014	5.98327	7.193962	3.766632	4.058989	1.951206	2.120406	4.772872	4.914582
80.17	1,030.39	1,735.37	2,838.41	3,200.91	1,579.03	1,189.11	154.92	255.87	2,496.48	3,015.87
32.686241	52.100695	52.881052	40.784952	38.917802	29.423142	32.919314	45.889119	38.665072	30.228363	30.311593
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4.35	4.7	4.23	3.85	4.84	4.65	3.25	4.85	3.55	4.52	3.67
51783.6166	49529.6889	41292.3234	46084.9592	54709.2457	62022.1231	42999.2281	54276.0495	48326.3002	48793.0175	48302.7562
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7207440.29	10339692.2	8312345.35	7181689.1	6426167.8	5355988.34	5424318.58	7330392.68	6143381.2	5491804.93	6020566.14
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70741.7492	92472.5075	77402.2853	74808.4651	65228.2921	58290.7195	57983.96	66581.7466	58541.2079	60485.0056	67150.9803
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67682.5124	112904.547	94238.5205	79238.1952	56063.228	55191.0535	57946.8219	76761.7813	64674.3288	61210.4968	66085.3707
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32
23579.5572	26565.4755	22080.4633	24573.5551	28694.1321	24303.2875	20856.684	19853.7506	17307.8679	21169.2976	22500.9823
740794.247	1279158.94	972285.415	874507.956	964278.515	650937.09	577787.422	604092.508	517424.618	564136.716	661282.919
-586207.13	-268397.96	-268960.46	-547933.84	-698118.43	-737012.59	-636062.65	-546963.54	-491116.1	-669052.86	-667497.4
1327001.37	1547556.9	1241245.88	1422441.8	1662396.95	1387949.68	1213850.07	1151056.05	1008540.72	1233189.57	1328780.32

2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09
4220048.36	4395883.71									
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4220048.36	4395883.71									
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4220048.36	4395883.71									
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31.149934	32.519928	49.522876	45.142874	36.672849	34.632916	27.372898	28.582902	31.652876	31.002908	27.272873
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25.16182	25.16182	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057	25.665057
1.55	1.55	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
30.87	32.24	49.24	44.86	36.39	34.35	27.09	28.3	31.37	30.72	26.99
6.666976	7.463515	7.481638	7.5209	6.777183	6.10838	5.757035	5.771692	5.821444	5.806158	5.790619
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
			0.55576	0.13894	0.55576	0.27788	0.13894	0.13894	0.13894	0.27788
			0.003575	0.000884	0.001595	0.003514	0.003078	0.002657	0.002505	0.000555
			0.00351	0.000884	0.00155	0.003514	0.003078	0.002657	0.002505	0.000555
			1309.48728			120.883984		1555.37334	245.667346	
			4.06174			0.532736		4.672478	0.748142	
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
0.030572	0.025778	0.028316	0.023039	0.030688	0.029453	0.026709	0.025052	0.025122	0.036223	0.036682
			386.2532	108.3732	186.1796	430.714	369.5804	339.0136	294.5528	72.2488
			9913.21051	2781.40439	4778.3101	11054.2995	9485.30214	8700.80347	7559.71449	1854.26959
			1.089002	0.27225	1.089002	0.544501	0.27225	0.27225	0.27225	0.544501
			602.554992	169.062192	290.440176	671.91384	576.545424	528.861216	459.502368	112.708128
8375.85	9294.075	8570.25	7737.525	8549.325	8385.525	8584.425	8423.55	8949.375	8153.55	9016.65
21.755454	21.919988	21.862882	21.981605	21.865281	21.837304	21.899043	21.936328	21.934742	21.684973	21.674639
8640	9540	8820	7920	8820	8640	8820	8640	9180	8460	9360
22.441558	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5	22.5	22.5
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			15.283663	3.797249	15.261717	7.598624	3.797249	3.797249	3.797249	7.766382
			15.283663	3.797249	15.261717	7.598624	3.797249	3.797249	3.797249	7.766382
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			12377.2768	3714.43269	5979.56853	14187.523	11611.0778	14326.8972	12727.7295	2163.7082
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808

			12377.2768	3714.43269	5979.56853	14187.523	11611.0778	14326.8972	12727.7295	2163.7082
	3.52	7.24	14.79	3.92	5.93	10.41	10.54	7.78	7.4	16.93
			9281.77182	2961.85458	5099.94948	11662.2245	10100.6836	7709.91535	7804.50151	1997.84012
			10875.2635	3714.43269	5979.56853	14064.1355	11611.0778	11533.8676	12224.6236	2163.7082
			0.768529	0.2	0.8	0.37726	0.2	0.181285	0.193896	0.4
			24.351484	7.8	13.4	30.681653	26.6	20.303947	20.553038	5.2
			383.923006			379.724946		380.202595	379.724946	
			15.35692			3.797249		3.802025	3.797249	
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			0.078977	0.019948	0.034895	0.079081	0.06927	0.059803	0.056382	0.0125
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808
			1786.01772	752.578106	879.619056	2404.41449	1510.39421	5061.60851	4677.56063	165.86808
			3.448515			0.318346		4.096052	0.646961	
			1309.48728			120.883984		1555.37334	245.667346	
			0.41	0.11	0.16	0.38	0.47	0.16	0.1	0.17
			-1786.0177	-752.57811	-879.61906	-2404.4145	-1510.3942	-5061.6085	-4677.5606	-165.86808
			-12661.281	-4467.0108	-6859.1876	-16468.55	-13121.472	-16595.476	-16902.184	-2329.5763
			0.06					0.01		
			418.5212	113.2141	168.181	341.256	335.6982	393.6575	336.7288	66.0094
			0.03		0.01	0.01				0.02
			34.9056		11.6352	11.6352				23.2704
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			10515.7655	2950.46658	5068.75028	11726.2133	10061.8476	9229.66469	8019.21686	1966.97772
			27.8	7.8	13.4	31	26.6	24.4	21.2	5.2
			34.9056		11.6352	11.6352				23.2704
			10591.2591	2961.85458	5099.94948	11783.1085	10100.6836	9265.28869	8050.16886	1997.84012
			40.588	11.388	19.564	45.259999	38.835999	35.623999	30.952	7.592
1.31866	1.03609	7.252629	5.74559	4.14436	3.10827	2.07218	3.01408	4.14436	3.01408	2.35475
0.002201	0.001037	0.089404	0.09172	0.067818	0.056456	0.047184	0.041203	0.063571	0.046661	0.0666
0.002135	0.001014	0.087627	0.089147	0.065484	0.054921	0.044897	0.04052	0.062132	0.045744	0.064447
1228.53463	1838.74438	102101.021	113131.448	49845.3657	16948.7772	15022.143	28027.6115	104292.218	62347.7718	41371.4822
4.273457	5.328328	313.256539	367.447829	173.493806	70.669178	64.641215	97.369406	322.677924	200.299352	154.339646
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98

0.026848	0.027476	0.02352	0.029488	0.030586	0.02763	0.034974	0.034557	0.030343	0.024946	0.031802
447.96764	234.90986	18765.4737	17142.9568	14023.5723	11521.5092	9614.9152	8500.45912	13848.7557	9396.3944	14646.3566
2741.67845	1646.07846	108619.02	163683.141	122386.392	121833.402	90828.0314	70323.2549	108167.111	81202.3505	133337.041
0.841648	0.785466	4.430369	4.097412	2.942989	2.442366	1.603753	2.050474	2.904654	2.218143	1.797477
167.429874	228.097444	14722.7046	10713.6643	5209.38096	1438.90971	1440.73553	3208.24892	11958.888	6800.11502	4169.5349
21674.02	23916.3	22201.24	19813.96	22040.58	21656.62	21940.82	21502.34	22945.96	21263.96	23360.66
56.296155	56.406367	56.635816	56.289659	56.369769	56.397447	55.971479	55.995677	56.240098	56.553085	56.155432
22272	24592	22736	20416	22736	22272	22736	22272	23664	21808	24128
57.84935	58	58	58	58.148337	58	58	58	58	58	58
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
9.368164	8.498305	49.98537	44.925797	32.288945	26.518857	17.441956	22.628006	32.067969	24.228748	19.537086
9.368164	8.498305	49.98537	44.925797	32.288945	26.518857	17.441956	22.628006	32.067969	24.228748	19.537086
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
3444.22205	2042.46112	147105.32	263021.206	195094.511	214459.054	198102.674	144666.667	210062.864	156603.485	241456.629
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
3444.22205	2042.46112	147105.32	263021.206	195094.511	214459.054	198102.674	144666.667	210062.864	156603.485	241456.629
105.21	97.93	216.59	225.25	206.52	168.55	117.59	168.3	211.19	146.79	123.69
2009.71262	56.734081	27251.186	69308.5972	87855.7289	117457.716	86330.3375	51581.1459	19080.4898	29110.3051	107933.297
2155.07523	58.311735	30843.258	101692.759	126215.499	186155.863	170105.759	96892.3151	28168.8558	44210.291	177423.744
5.043489	0.528205	18.923079	17.069774	18.426653	17.782744	10.791568	12.322127	4.780758	4.390831	11.486136
29.78424	0.723263	429.214254	682.587585	935.788447	1070.45328	867.839438	561.865399	200.644198	275.642783	1112.30722
67.998645	81.047842	68.43554	84.043117	85.249501	84.787076	83.142295	73.047528	78.42863	80.324708	80.803381
8.807249	8.915262	52.628767	45.349106	32.389903	23.739114	15.780259	22.629231	34.505421	25.699237	18.56164
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
0.123532	0.05882	5.082397	5.170568	3.807826	3.185468	2.604081	2.350208	3.603676	2.653191	3.737932
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
205.974805	146.982656	17753.1131	80581.161	57393.4169	80052.5606	96750.1939	65057.9094	86690.1562	65145.4084	92151.8495
17.775759	24.216736	1563.08575	1137.45241	553.071552	152.766717	152.960561	340.6146	1269.6558	721.957216	442.672778
1228.53463	1838.74438	102101.021	113131.448	49845.3657	16948.7772	15022.143	28027.6115	104292.218	62347.7718	41371.4822
0.65	0.05	11.3	10.19	10.86	9.91	5.22	5.91	3.66	4.42	9.43
-205.97481	-146.98266	-17753.113	-80581.161	-57393.417	-80052.561	-96750.194	-65057.909	-86690.156	-65145.408	-92151.849
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0.16	0.38	15.39	6.13	2.28	0.61	0.37	1.68	8.68	4.78	2.06
226.9138	148.3085	11083.2032	9511.8674	7054.2224	4966.3761	4046.9647	4071.1392	8181.6513	5268.1874	6508.8307
0.04		0.77	0.36	0.24	0.18	0.21	0.15	0.39	0.15	0.2

20.9688		411.7267	192.4956	128.3304	96.2478	112.2891	80.2065	208.5369	80.2065	106.942
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
2741.67845	1646.07846	108619.02	163683.141	122386.392	121833.402	90828.0314	70323.2549	108167.111	81202.3505	133337.041
47.56	24.94	1992.3	1820.04	1488.86	1223.22	1020.8	902.48	1470.3	997.6	1554.98
20.9688		411.7267	192.4956	128.3304	96.2478	112.2891	80.2065	208.5369	80.2065	106.942
3238.24725	1895.47846	129352.207	182440.045	137701.095	134406.493	101352.481	79608.7574	123372.708	91458.077	149304.779
475.6	249.4	20321.46	18564.408	15186.372	12476.844	10412.16	9205.296	14997.06	10175.52	15860.796
		1.05	0.8	0.98	0.44	0.42	0.22	0.03	0.07	0.11
11.104704	11.054933	10.767746	11.082287	11.190071	11.221073	11.356925	11.283009	11.242592	11.266581	11.367957
0.556123	0.604618	0.811705	0.627091	0.567887	0.547754	0.490032	0.517967	0.537662	0.531468	0.486821
0.535124	0.586327	0.786605	0.6071	0.544073	0.525185	0.472709	0.497711	0.519554	0.512286	0.468531
889507.81	1107610.87	1362968.02	959607.726	921759.66	764490.644	777056.524	820125.852	974969.822	883170.124	843601.021
3337.40502	3502.26713	4326.32382	3184.7035	3475.28375	3255.91289	3376.59598	3353.55541	3241.99993	3088.99907	3642.07502
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
0.038281	0.030896	0.032857	0.032755	0.041198	0.041979	0.032959	0.039453	0.03397	0.038882	0.036562
252404.241	302884.159	365931.766	259413.744	261395.253	248058.316	231021.52	236603.203	261408.029	237698.981	243158.449
391012.531	469214.706	583283.923	415661.904	419012.986	397926.689	370079.419	379275.943	419181.351	381187.402	389061.961
3.4886	3.4886	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618	3.5618
489310.861	587171.231	721544.255	511512.021	515419.161	489121.387	455528.232	466534.195	515444.353	468694.851	479459.83
40992.3	45609.9	42082.32	37792.17	41719.35	40834.68	42077.88	40942.35	43749.54	40113.18	44487.69
106.473506	107.570518	107.352857	107.364119	106.699104	106.340312	107.34153	106.620703	107.229264	106.683989	106.941562
42624	47064	43512	39072	43512	42624	43512	42624	45288	41736	46176
110.711688	111	111	111	111.283887	111	111	111	111	111	111
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
41.158922	40.85922	40.657212	41.761961	42.334697	42.417518	42.882891	42.698483	42.478262	42.586989	42.972041
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934728.272	1118665.71	1381856.65	980637.866	991618.176	940577.391	875063.224	897767.64	990807.912	900722.336	920993.395
807474.053	1022789.14	1877355.75	1420430.02	1182501.78	1094260.48	839396.064	853213.588	1049507.72	949080.955	897749.89
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807474.053	1022789.14	1877355.75	1420430.02	1182501.78	1094260.48	839396.064	853213.588	1049507.72	949080.955	897749.89
369.3	410.9	379.12	340.47	375.85	367.88	379.08	368.85	394.14	361.38	400.79
34609.1619	1757.32035	8889.86574	14020.7003	59035.116	166397.227	88832.5796	67230.7086	5736.2498	8584.25151	67290.5343
39482.0995	1901.24074	12287.0028	28427.521	109333.431	347015.445	214103.446	129996.449	10070.4439	15546.0303	165496.196

19.836397	4.973233	7.514237	11.487118	17.301996	26.809866	18.813204	17.088614	4.198614	5.316933	15.18603
896.416523	45.474044	223.809617	350.876393	1473.8295	4142.00749	2201.62464	1668.90027	141.899254	212.788241	1671.0214
30.39597	32.482662	46.955413	36.667429	28.186801	23.399313	18.422911	22.057218	25.176007	25.542148	18.737852
30.363786	32.478925	46.951461	36.662911	28.163427	23.338043	18.387107	22.016251	25.173473	25.537913	18.713302
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
59.244561	65.082367	87.313193	67.388181	60.546618	58.295614	52.470795	55.24602	57.670588	56.863781	52.006942
-259185.91	-254194.12	304226.568	304196.585	54252.31	24023.004	-156422.11	-168226.55	-77938.173	-75886.638	-150342.43
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21912.7395	27549.45	34002.9624	23369.7636	22199.8985	18243.5085	18366.9274	19545.5717	23387.7007	21167.9938	19963.8666
889507.81	1107610.87	1362968.02	959607.726	921759.66	764490.644	777056.524	820125.852	974969.822	883170.124	843601.021
4.27	0.13	8.7	8.49	20.17	29.76	14.85	13.64	3.69	4.51	10.22
127254.218	95876.5722	-495499.1	-439792.15	-190883.61	-153683.09	35667.1591	44554.0525	-58699.804	-48358.619	23243.5052
87772.1186	93975.3314	-507786.1	-468219.67	-300217.04	-500698.53	-178436.29	-85442.396	-68770.248	-63904.65	-142252.69
318.08	395.16	315.3	286.23	297.79	266.16	311.5	305.83	351.32	322.4	337.42
95204.5908	126667.234	116151.883	100164.728	96349.1562	83340.2071	84672.4751	87738.4424	115682.579	100591.334	90766.0956
1.05	0.92	0.97	0.68	1.05	0.94	0.89	1.01	0.98	0.87	0.98
10611.3	9297.52	9998.76	7009.44	10823.4	9689.52	9174.12	10411.08	10101.84	8967.96	10101.84
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
880323.392	1056385.94	1304828.18	927173.925	934432.147	887048.077	825607.651	845810.138	934625.704	849882.252	868521.79
22809.156	27594.924	34226.772	23720.64	23673.728	22385.516	20568.552	21214.472	23529.6	21380.782	21634.888
10611.3	9297.52	9998.76	7009.44	10823.4	9689.52	9174.12	10411.08	10101.84	8967.96	10101.84
1066659.97	1276983.26	1573129.18	1116233.43	1128249.47	1070237.47	995818.172	1021440.13	1127445.89	1024967.59	1048092.32
43793.5795	52982.2541	67029.7103	46454.5014	46362.6289	43839.7945	40281.4522	41546.422	46080.3686	41872.1235	42369.7647
34.05	3.98	10.79	7.52	21.78	39.55	24.37	23.15	3.75	6.02	15.17
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002788	0.000714	0.001406	0.002992	0.002402	0.002493	0.002553	0.000225
			0.002755	0.000714	0.001406	0.002984	0.002239	0.002279	0.002553	0.000192
			41.779913					100.877987		
			0.13121					0.304176		
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
0.023828	0.027099	0.032755	0.033238	0.019897	0.029583	0.027397	0.032786	0.032132	0.029148	0.031947
			43.65	12.6	24.3	52.65	38.7	41.85	43.2	3.6

			1120.27975	323.379721	623.660892	1351.26527	993.237717	1074.08265	1108.73048	92.394206
			1.087854	0.271963	1.087854	0.543927	0.271963	0.271963	0.271963	0.271963
			66.841245	19.29438	37.21059	80.622944	59.261309	64.084904	66.152159	5.51268
1124.55	1237.53	1137.48	1020.9	1152.6	1117.92	1143.78	1114.23	1184.67	1095.12	1208.13
2.920909	2.918702	2.901734	2.900284	2.947826	2.91125	2.917806	2.90164	2.903602	2.912553	2.904158
1152	1272	1176	1056	1176	1152	1176	1152	1224	1128	1248
2.992207	3	3	3	3.007672	3	3	3	3	3	3
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1371.15109	427.146579	744.846726	1680.93127	1185.76797	1748.82238	1790.87462	108.259459
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			1371.15109	427.146579	744.846726	1680.93127	1185.76797	1748.82238	1790.87462	108.259459
			0.97	0.28	0.54	1.17	0.86	0.93	0.96	0.08
			1145.34108	342.674101	660.871482	1431.88821	1052.49903	1037.28957	1174.88264	97.906886
			1323.25092	427.146579	744.846726	1680.93127	1185.76797	1593.65848	1790.87462	108.259459
			0.119612	0.03	0.12	0.06	0.03	0.029914	0.03	0.03
			2.807584	0.84	1.62	3.51	2.58	2.542716	2.88	0.24
			407.945359					407.945359		
			4.079453					4.079453		
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24
			0.008267	0.002148	0.004218	0.008954	0.006718	0.006838	0.007659	0.000576
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			184.030092	84.472477	83.975244	249.043061	133.268947	610.654823	615.991984	10.352573
			0.102415					0.247283		
			41.779913					100.877987		
			-184.03009	-84.472477	-83.975244	-249.04306	-133.26895	-610.65482	-615.99198	-10.352573
			-1507.281	-511.61906	-828.82197	-1929.9743	-1319.0369	-2204.3133	-2406.8666	-118.61203
			290.6133	82.6487	136.036	257.404	221.5535	301.2606	306.7804	20.7979
			0.46	0.1	0.15	0.27	0.19	0.09	0.08	0.05
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
			2.91	0.84	1.62	3.51	2.58	2.79	2.88	0.24

			1187.121	342.674101	660.871482	1431.88821	1052.49903	1138.16755	1174.88264	97.906886
11.495786	11.485699	11.252517	11.690959	11.869792	11.938739	12.194628	12.048565	11.988355	12.029468	12.223068
0.719152	0.737643	0.859575	0.690246	0.623423	0.60486	0.530813	0.570815	0.584974	0.577666	0.517167
0.686072	0.599203	0.820258	0.657495	0.595322	0.577161	0.504703	0.54719	0.562039	0.550091	0.490734
356014.09	341635.164	435269.404	322822.483	330147.13	315071.259	287017.59	301206.245	327518.587	296032.82	296588.628
1340.97583	1074.26425	1383.25836	1072.71781	1249.15571	1350.89269	1250.83713	1241.91884	1090.25013	1037.51219	1289.5939
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
0.045494	0.048679	0.044872	0.048721	0.043852	0.048541	0.048086	0.043098	0.03946	0.048297	0.052475
129100.714	123780.229	154340.277	114149.817	116767.628	111363.894	101591.779	106529.201	115841.476	104706.304	105054.032
199907.318	191882.952	245466.292	182792.437	187090.312	178685.939	162836.907	170844.94	185716.766	167885.358	168199.951
2.6495	2.6495	2.706	2.706	2.705999	2.706	2.705999	2.706	2.705999	2.705999	2.705999
141946.235	136096.362	172243.749	127391.196	130312.672	124282.106	113376.426	118886.588	129279.088	116852.235	117240.3
15719.08	14766.63	16099.63	14398.55	16116.83	15710.48	16045.45	15800.35	16851.7	15387.12	16949.31
40.828779	34.826957	41.070484	40.904971	41.219514	40.912708	40.93227	41.146744	41.303186	40.923191	40.743533
16512	18232	16856	15136	16856	16512	16856	16512	17544	16168	17888
42.888311	43	43	43	43.109974	43	43	43	43	43	43
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
32.31859	32.844315	32.203579	33.597207	34.042259	34.219721	35.03834	34.609017	34.385273	34.499854	35.443762
31.703915	31.674174	31.71605	32.878865	33.360632	33.544377	34.24107	33.844915	33.682734	33.796235	34.324896
362111.65	352630.764	441641.854	328379.26	336111.743	320322.158	292829.265	306814.001	333432.221	301436.658	304847.323
384924.124	388339.827	728091.449	556522.114	472335.066	446958.24	338804.952	352367.39	419604.814	366981.921	352885.898
22812.4737	35709.0631	286449.595	228142.854	136223.323	126636.082	45975.6869	45553.3895	86172.5938	65545.2633	48038.5744
384924.124	388339.827	728091.449	556522.114	472335.066	446958.24	338804.952	352367.39	419604.814	366981.921	352885.898
365.56	343.41	374.41	334.85	374.81	365.36	373.15	367.45	391.9	357.84	394.17
33.313425	32.044802	50.832554	48.801	36.301362	32.70248	26.590813	25.065633	22.55512	23.73707	26.446092
10.99343	6.088512	12.708138	12.68826	10.164381	10.137768	6.913611	7.519689	6.089882	9.020086	7.669366
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
29.424493	25.765754	35.271096	28.272301	25.664347	24.817942	21.70227	23.529192	24.167696	23.653936	21.101562
-44668.469	-28990.863	205775.932	168476.745	75188.8836	68426.1748	-7126.3361	-10129.424	25622.2542	10815.2784	-6873.1681
-44668.469	-28990.863	205775.932	168476.745	75188.8836	68426.1748	-7126.3361	-10129.424	25622.2542	10815.2784	-6873.1681

11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
356014.09	341635.164	435269.404	322822.483	330147.13	315071.259	287017.59	301206.245	327518.587	296032.82	296588.628
-22812.474	-35709.063	-286449.59	-228142.85	-136223.32	-126636.08	-45975.687	-45553.389	-86172.594	-65545.263	-48038.574
-22812.474	-35709.063	-286449.59	-228142.85	-136223.32	-126636.08	-45975.687	-45553.389	-86172.594	-65545.263	-48038.574
4.4	2.01	3.15	1.98	3.53	4.03	3.46	2.83	2.5	4.43	3.52
0.002604	0.148584									
93264.8508	103041.772	114008.5	97614.004	95482.7923	82397.4021	82739.583	86966.8425	113908.915	98983.8969	87635.068
1.22	2.2	1.25	1.09	1.17	1.03	1.14	1.1	1.16	1.06	1.62
6097.56	10995.6	6372.45	5556.7764	5964.6132	5250.8988	5811.6744	5607.756	5913.6336	5403.8376	8258.6952
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
341853.552	327979.314	417710.041	310183.634	317402.985	302968.045	276213.332	289731.528	314995.854	284737.593	285440.25
11328.43	10924.68	13826.27	9951.85	10034.76	9530.09	8507.29	9035.21	9860.42	8893.88	8778.25
6097.56	10995.6	6372.45	5556.7764	5964.6132	5250.8988	5811.6744	5607.756	5913.6336	5403.8376	8258.6952
429592.593	417330.69	522315.516	388045.369	397146.182	378532.066	345931.288	362496.814	393982.56	356166.643	359759.066
14160.5375	13655.85	17559.3629	12638.8495	12744.1452	12103.2143	10804.2583	11474.7167	12522.7334	11295.2276	11148.3775
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002828	0.000714	0.001407	0.002957	0.002239	0.00274	0.002553	0.000223
			0.002727	0.000714	0.001406	0.002933	0.002239	0.002303	0.002553	0.000216
			36.715082					85.720428		
			0.116766					0.26006		
			2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
0.033385	0.02665	0.025637	0.037301	0.03278	0.022578	0.027015	0.042005	0.045245	0.018856	0.027091
			43.2	12.6	24.3	51.75	38.7	42.3	43.2	4.05
			1108.73048	323.379721	623.660892	1328.16672	993.237717	1085.63192	1108.73048	103.943482
			1.087854	0.271963	1.087854	0.543927	0.271963	0.271963	0.271963	0.271963
			66.15216	19.29438	37.21059	79.244774	59.261309	64.773989	66.152159	6.201765
1113.54	1238.1	1145.85	1016.61	1137.45	1125.99	1144.23	1103.61	1168.62	1106.73	1214.19
2.892311	2.920047	2.923086	2.888096	2.909079	2.932265	2.918954	2.873984	2.864264	2.94343	2.918725
1152	1272	1176	1056	1176	1152	1176	1152	1224	1128	1248
2.992207	3	3	3	3.007672	3	3	3	3	3	3
			2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
			16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453

		16.317814	4.079453	16.317814	8.158907	4.079453	4.079453	4.079453	4.079453
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1358.29954	427.146579	744.846726	1656.19292	1185.76797	1769.02601	1790.87462	122.256036
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		1358.29954	427.146579	744.846726	1656.19292	1185.76797	1769.02601	1790.87462	122.256036
		0.96	0.28	0.54	1.15	0.86	0.94	0.96	0.09
		1138.16755	342.674101	660.871482	1407.41149	1052.49903	1064.68548	1174.88264	110.145247
		1316.33483	427.146579	744.846726	1656.19292	1185.76797	1647.0315	1790.87462	122.256036
		0.12	0.03	0.12	0.06	0.03	0.029657	0.03	0.03
		2.79	0.84	1.62	3.45	2.58	2.609872	2.88	0.27
							407.945359		
							4.079453		
		2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
		0.008181	0.002148	0.004218	0.008801	0.006718	0.006911	0.007659	0.000649
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		183.416902	84.472477	83.975244	248.78143	133.268947	618.620097	615.991984	12.110789
		0.09					0.210127		
		36.715082					85.720428		
		0.06		0.01		0.07	0.01		
		-183.4169	-84.472477	-83.975244	-248.78143	-133.26895	-618.6201	-615.99198	-12.110789
		-1499.7517	-511.61906	-828.82197	-1904.9744	-1319.0369	-2265.6516	-2406.8666	-134.36683
		287.8752	82.6487	136.036	252.8743	221.5535	303.0718	306.7804	23.2469
		0.45	0.1	0.15	0.26	0.19	0.09	0.08	0.06
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
		2.88	0.84	1.62	3.45	2.58	2.82	2.88	0.27
		1174.88264	342.674101	660.871482	1407.41149	1052.49903	1150.40591	1174.88264	110.145247
0.14	7.024831	7.346252	5.365343	2.691099	1.561521	2.687083	4.391262	2.968357	2.98223
0.000021	0.013912	0.036675	0.027472	0.02509	0.02999	0.018867	0.029256	0.019569	0.034477
0.00002	0.013627	0.035187	0.026693	0.024671	0.028959	0.01876	0.0287	0.019228	0.033562
	7417.82903	17344.0428	8213.48242	3278.52319	3369.73032	5827.62527	35030.7937	12444.1556	6646.41751
	22.497424	54.992219	28.692431	13.562191	14.877592	19.705341	105.616169	37.11725	22.789728

0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.02694	0.031686	0.027028	0.027926	0.033698	0.028072	0.028188	0.028489	0.027205	0.030146	0.03512
5.6		3759.5	8846.9	7474.8	6821.7	8211.6	5191	8409.1	5183.1	10048.5
37.184295		18312.853	78868.1539	64106.9134	80137.1579	84921.1915	46494.5985	68276.8524	42814.3061	94934.5916
0.0664		2.530044	3.126101	2.310134	1.585681	0.833786	1.228024	1.941307	1.377523	1.562551
		1488.70703	2454.37804	1395.05843	274.744141	324.599743	707.259659	4743.1742	1782.57174	721.009396
18712.9	20471.7	18999.3	17097.4	18930.8	18624.1	19047.2	18715.4	19801.8	18266.1	20000.2
48.604935	48.282311	48.467602	48.572159	48.416368	48.50026	48.589795	48.73802	48.533823	48.580053	48.077403
19200	21200	19600	17600	19600	19200	19600	19200	20400	18800	20800
49.870129	50	50	50	50.127877	50	50	50	50	50	50
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.929607		45.733577	73.6194	53.809587	38.09922	20.456726	30.920918	49.245224	32.116591	40.494147
0.929607		36.067234	44.74293	32.910351	22.641578	11.919557	17.423567	27.69386	19.534518	22.298841
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
38.171107		20518.3888	108748.458	86035.1442	116355.521	139925.821	85243.5813	116951.182	79926.706	137894.889
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
38.171107		20518.3888	108748.458	86035.1442	116355.521	139925.821	85243.5813	116951.182	79926.706	137894.889
111.71	138.33	254.03	327.98	328.63	238.7	216.63	261.28	321.02	212.3	233.52
37.184295		11118.3819	61793.6181	56069.629	77019.7017	81737.5082	40778.5812	33503.1797	30452.4555	88548.1371
38.171107		12295.5257	85635.9234	75628.2665	111806.137	134221.618	75441.8441	52725.8588	51308.2483	129341.413
0.4		7.796111	9.012652	7.063649	4.172481	2.468446	3.639934	3.381692	3.530998	4.73079
0.4		160.899048	445.670171	424.345243	454.324884	544.75846	310.203327	251.570796	235.537653	647.047814
		76.367877	108.611382	115.586637	175.229396	144.968183	102.417532	101.548243	96.133728	116.455629
		34.379042	40.139054	29.801025	12.266057	7.248409	14.338454	30.164478	18.255583	18.609365
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
0.001038		0.681377	1.759375	1.338107	1.233593	1.447959	0.93802	1.435049	0.961436	1.678125
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
0.986811		1982.17786	29610.7973	21752.0327	36057.2961	54818.583	38637.3748	48417.2083	37030.0949	42700.3345
		106.200951	173.629828	98.854756	19.375115	22.841539	49.996672	333.929203	125.962346	51.052185
		7417.82903	17344.0428	8213.48242	3278.52319	3369.73032	5827.62527	35030.7937	12444.1556	6646.41751
0.01		3.06	6.74	6.18	7.29	8.12	4.45	5.44	4.06	10.74
-0.986811		-1982.1779	-29610.797	-21752.033	-36057.296	-54818.583	-38637.375	-48417.208	-37030.095	-42700.335
-39.157919		-14277.704	-115246.72	-97380.299	-147863.43	-189040.2	-114079.22	-101143.07	-88338.343	-172041.75
		0.78	0.96	0.52	0.11	0.13	0.35	2.76	0.76	0.36
2.8454		2319.7896	6047.8642	4628.691	3928.6999	4733.9617	3262.7674	6411.046	3704.5461	5745.9554

		0.32	0.25	0.14	0.09	0.07	0.04	0.19	0.03	0.17
		213.576	183.513	103.198	68.649	56.983	39.484	153.899	22.883	126.081
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
37.184295		18312.853	78868.1539	64106.9134	80137.1579	84921.1915	46494.5985	68276.8524	42814.3061	94934.5916
0.4		267.1	619.3	523.2	473.7	567.6	360.2	585.5	361.5	698.1
		213.576	183.513	103.198	68.649	56.983	39.484	153.899	22.883	126.081
37.184295		18536.211	79137.6609	64283.1114	80298.2249	85107.2385	46606.2065	68533.9734	42896.6111	95194.5546
		9.782	85.993999	72.999999	92.417999	129.064	72.124	103.222	59.421999	133.882
		0.08	0.35	0.43		0.02	0.06	0.05	0.05	
			0.6	0.15	0.6	0.3	0.15	0.15	0.15	0.15
			0.002846	0.000714	0.001423	0.002998	0.002515	0.002549	0.002553	0.00024
			0.002585	0.000714	0.00138	0.002984	0.002057	0.002549	0.002553	0.00024
			49.008523					86.938038		
			0.155863					0.266478		
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
0.031796	0.033537	0.026989	0.024772	0.02454	0.020963	0.033673	0.033567	0.035686	0.027686	0.031298
			54.6	16.8	31.8	70.2	47.4	62.4	57.6	6
			1401.31213	431.172962	816.148822	1801.68702	1216.52372	1601.49958	1478.3073	153.990343
			1.089078	0.272269	1.089078	0.544539	0.272269	0.272269	0.272269	0.272269
			85.27974	26.23992	49.66842	109.64538	74.03406	97.46256	89.96544	9.3714
1487.16	1639.12	1525.68	1373.12	1529.52	1503.8	1515.2	1484.44	1573.76	1462.36	1611.92
3.862753	3.865849	3.89204	3.900909	3.911815	3.916145	3.865306	3.865729	3.857254	3.889255	3.874807
1536	1696	1568	1408	1568	1536	1568	1536	1632	1504	1664
3.98961	4	4	4	4.01023	4	4	4	4	4	4
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			16.336174	4.084043	16.336174	8.168087	4.084043	4.084043	4.084043	4.084043
			16.336174	4.084043	16.336174	8.168087	4.084043	4.084043	4.084043	4.084043
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1715.95263	569.528772	976.803511	2241.2417	1459.60656	2580.27574	2387.83283	179.46806
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			1715.95263	569.528772	976.803511	2241.2417	1459.60656	2580.27574	2387.83283	179.46806
			0.91	0.28	0.53	1.17	0.79	1.04	0.96	0.1
			1437.58335	457.412882	865.817242	1911.3324	1290.55778	1612.0241	1568.27274	163.361743

			1659.99969	569.528772	976.803511	2241.2417	1459.60656	2469.62982	2387.83283	179.46806
			0.16	0.04	0.16	0.08	0.04	0.039869	0.04	0.04
			3.52	1.12	2.12	4.68	3.16	3.947127	3.84	0.4
								497.613848		
								4.976138		
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			0.01034	0.002864	0.00552	0.011938	0.008229	0.010196	0.010212	0.000961
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			229.360759	112.115889	110.986269	329.909295	169.04878	881.313606	819.560086	16.106316
			0.12					0.212872		
			49.008523					86.938038		
			0.79	0.28	0.53	1.17	0.79	0.99	0.96	0.09
			-229.36076	-112.11589	-110.98627	-329.9093	-169.04878	-881.31361	-819.56009	-16.106316
			-1889.3604	-681.64466	-1087.7898	-2571.151	-1628.6553	-3350.9434	-3207.3929	-195.57438
								0.05		
			272.793	82.6487	133.7727	257.404	205.5361	336.6824	306.7804	25.5448
			0.42	0.1	0.15	0.27	0.17	0.11	0.08	0.07
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
			3.64	1.12	2.12	4.68	3.16	4.16	3.84	0.4
			1486.59187	457.412882	865.817242	1911.3324	1290.55778	1698.96214	1568.27274	163.361743
10.486779	10.48224	10.207672	10.563956	10.693832	10.737106	10.93394	10.827531	10.77307	10.806467	10.954798
0.460594	0.514451	0.715875	0.516012	0.439428	0.421908	0.340477	0.374455	0.401818	0.384713	0.328389
0.435773	0.488246	0.673958	0.489096	0.419578	0.399921	0.321949	0.355556	0.380704	0.359565	0.308059
362705.052	445013.483	569245.638	379621.597	366710.48	343757.341	287398.761	307886.198	349194.573	304012.816	292104.833
1359.23734	1404.20955	1807.77064	1261.99117	1381.10608	1472.14935	1250.66157	1263.65662	1155.61707	1060.95444	1263.40243
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
0.05526	0.054033	0.060943	0.054602	0.047729	0.052942	0.056938	0.059401	0.052549	0.071276	0.059735
101812.14	124911.108	156199.952	103845.172	100263.028	93958.3926	78542.3212	84142.2392	95403.2613	83120.3631	79998.8497
157787.406	193522.989	249172.53	166971.289	161493.498	151677.317	126791.766	135813.061	153931.301	133894.194	128635.933
3.5012	3.5012	3.5747	3.5747	3.5747	3.574699	3.574699	3.574699	3.5747	3.574699	3.574699
198655.848	243726.554	310010.045	206101.514	198992.032	186479.222	155882.945	166997.102	189346.853	164968.985	158773.717
21258.908	23503.874	21571.246	19500.908	21874.794	21311.062	21663.248	21165.734	22652.416	20463.12	22921.39

55.217942	55.433665	55.028688	55.400306	55.945764	55.497557	55.263387	55.119098	55.520627	54.423191	55.099495
22502.4	24846.4	22971.2	20627.2	22971.2	22502.4	22971.2	22502.4	23908.8	22033.6	24377.6
58.447792	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999	58.599999	58.599999
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
41.723745	41.028582	39.862356	42.541546	43.33996	44.048176	45.879563	46.947602	44.355231	46.266965	46.272341
37.354179	37.336057	37.135026	38.392636	38.855869	39.007957	39.716252	39.335649	39.140229	39.261867	39.796269
397867.282	479027.888	603014.738	406229.399	397975.228	372686.622	320094.447	348256.094	381807.196	341251.343	326522.681
367682.16	471297.12	867966.521	651544.613	549627.666	507994.152	380743.185	395879.197	466987.506	406698.211	382854.634
-30185.121	-7730.7682	264951.783	245315.214	151652.438	135307.529	60648.7382	47623.1029	85180.31	65446.8678	56331.9533
367682.16	471297.12	867966.521	651544.613	549627.666	507994.152	380743.185	395879.197	466987.506	406698.211	382854.634
362.78	401.09	368.11	332.78	373.29	363.67	369.68	361.19	386.56	349.2	391.15
14.011036			8.854005	39.895727	248.676862	83.062494	124.530778			186.15882
13.075606			9.599928	46.474259	518.716784	154.477701	178.465964			379.349581
0.346528			0.14826	0.63626	2.139644	1.131785	1.335827			1.055423
0.346528			0.237593	0.988091	6.43732	2.145052	3.253418			4.984992
31.948147	33.650282	47.840494	38.697973	34.197452	27.483925	20.814233	24.415616	26.071936	27.512323	22.128803
30.668424	29.275745	45.44847	30.955941	31.100983	24.457688	17.483309	21.205815	21.639707	23.110351	17.465072
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756
25.470005	28.611216	39.493969	28.661051	24.650189	23.435411	18.866219	20.835598	22.309274	21.070526	18.052298
-83402.327	-73021.804	183306.068	191035.343	99244.9532	86195.4776	19594.6669	3641.95449	35313.0253	21999.854	14516.5546
-83402.327	-73021.804	183306.068	191035.343	99244.9532	86195.4776	19594.6669	3641.95449	35313.0253	21999.854	14516.5546
9805.60547	12131.156	15481.636	10088.4524	9637.23591	8992.76068	7393.41295	7997.61658	9102.184	7922.518	7504.77101
362705.052	445013.483	569245.638	379621.597	366710.48	343757.341	287398.761	307886.198	349194.573	304012.816	292104.833
				0.02	0.15	0.03	0.02			0.03
30185.1213	7730.7682	-264951.78	-245315.21	-151652.44	-135307.53	-60648.738	-47623.103	-85180.31	-65446.868	-56331.953
30172.0457	7730.7682	-264951.78	-245324.81	-151698.91	-135826.25	-60803.216	-47801.569	-85180.31	-65446.868	-56711.303
22.24	20.88	19.43	16.85	23.21	22.69	19.24	22.64	21.22	21.01	21.91
86909.9537	114455.17	104750.368	91700.35	89598.5475	77638.573	77096.1376	79438.3746	106406.836	89588.9064	81763.8663
1.55	1.5	1.46	1.15	1.35	1.24	1.41	1.74	1.41	1.61	1.48
35148.2185	34014.405	33769.0992	26598.948	31224.852	28680.6048	32612.6232	40245.3648	32612.6232	37238.5272	34231.6896
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
356443.254	437249.543	559182.575	373072.802	360485.53	338156.539	282674.711	302810.163	343278.153	298863.179	287409.65
9805.952	12131.156	15481.636	10088.69	9638.224	8999.198	7395.558	8000.87	9102.184	7922.518	7509.756

35148.2185	34014.405	33769.0992	26598.948	31224.852	28680.6048	32612.6232	40245.3648	32612.6232	37238.5272	34231.6896
451084.487	544318.924	684660.453	460509.271	450382.712	421798.674	361148.518	392237.242	431674.481	384698.357	368338.08
6275.80928	7763.93984	10063.0634	6557.6485	6264.8456	5849.4787	4807.1127	5200.5655	5916.4196	5149.6367	4881.3414
0.04			0.01	0.04	0.18	0.04	0.14			0.03
		4.35	5.7	4.5	2.25	1.2	2.55	4.2	2.85	3
		0.008799	0.030728	0.02342	0.022256	0.029001	0.017076	0.026057	0.016902	0.032711
		0.008698	0.029403	0.022933	0.021562	0.027678	0.016979	0.025245	0.015904	0.032259
		912.783854	3224.16327	1739.68274	388.298643	466.413652	900.034807	5952.35062	1938.21118	1407.53581
		2.781007	10.135948	6.075936	1.58103	2.091642	2.929294	17.795894	5.583982	5.117977
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
0.02914	0.022995	0.016479	0.030823	0.032397	0.041276	0.035	0.028177	0.026544	0.030398	0.024399
		716.1	2173.5	1887.9	1738.8	2278.5	1369.2	2163	1255.8	2818.2
		3266.03426	20478.0079	16602.4006	20708.6901	23706.1198	12503.7381	17882.4552	10296.0312	26975.5279
		1.376269	2.509896	1.906875	1.27608	0.616546	1.124841	1.717028	1.200035	1.490191
		191.469038	414.299549	298.017799	30.426897	44.850747	105.339705	789.980823	302.668326	147.652661
5219.34	5799.5	5397.56	4776.1	5310.2	5154.1	5295.92	5224.52	5560.38	5103.98	5681.9
13.556727	13.678066	13.769285	13.568465	13.581074	13.422135	13.51	13.60552	13.628382	13.574414	13.658413
5376	5936	5488	4928	5488	5376	5488	5376	5712	5264	5824
13.963636	14	14	14	14.035805	14	14	14	14	14	14
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
		21.416602	38.497055	28.650519	19.153202	9.445199	16.92754	26.043969	18.212231	22.549662
		21.416602	38.497055	28.650519	19.153202	9.445199	16.92754	26.043969	18.212231	22.549662
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3662.53708	28168.2061	22067.0006	29837.4023	38549.6987	22958.9489	30636.6368	19625.1204	38370.4498
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		3662.53708	28168.2061	22067.0006	29837.4023	38549.6987	22958.9489	30636.6368	19625.1204	38370.4498
60	81.74	137.78	167.84	167.45	123.18	116.74	145.97	164.14	105.36	140.2
		2468.7504	17400.8447	14894.2178	20341.3915	23281.7062	11624.7033	12003.6046	8389.31999	25662.4921
		2684.37847	23858.4948	19832.42	29294.7059	37687.142	21583.843	19645.4806	15441.3338	36700.7095
		3.613786	4.639439	3.725244	2.046169	1.118461	2.178972	2.744451	2.469023	2.746783
		34.975397	117.28003	105.992146	113.89154	148.90995	84.257352	91.534611	63.542111	178.036489
		74.393035	111.755428	124.605394	171.836389	162.997188	112.064443	97.736442	90.92416	125.998792
		10.328885	25.703748	17.444755	3.436727	3.259943	10.085799	26.363875	12.729382	12.599879
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88

		0.121785	0.411647	0.321892	0.301875	0.3875	0.237708	0.353431	0.222659	0.451634
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		281.002824	7543.19819	5433.10004	9107.71216	14801.5788	10434.2108	12680.6816	9297.5892	11300.4219
		12.764602	27.619969	19.867853	2.028459	2.990049	7.022647	52.665388	20.177888	9.84351
		912.783854	3224.16327	1739.68274	388.298643	466.413652	900.034807	5952.35062	1938.21118	1407.53581
		1.94	3.58	3.09	2.25	2.5	1.38	2.35	1.44	4.06
		-281.00282	-7543.1982	-5433.1	-9107.7122	-14801.579	-10434.211	-12680.682	-9297.5892	-11300.422
		-2965.3813	-31401.693	-25265.52	-38402.418	-52488.721	-32018.054	-32326.162	-24738.923	-48001.131
		0.75	0.63	0.37		0.01	0.12	1.17	0.6	0.32
		1099.912	3146.0341	2479.4908	1958.5765	2477.5201	1681.0097	3305.8289	1849.1452	3173.7075
		0.11	0.14	0.03	0.02	0.04	0.02	0.07	0.03	0.09
		115.5	147	31.5	21	42	21	73.5	31.5	94.5
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		3266.03426	20478.0079	16602.4006	20708.6901	23706.1198	12503.7381	17882.4552	10296.0312	26975.5279
		47.74	144.9	125.86	115.92	151.9	91.28	144.2	83.72	187.88
		115.5	147	31.5	21	42	21	73.5	31.5	94.5
		3381.53426	20625.0079	16633.9006	20729.6901	23748.1198	12524.7381	17955.9552	10327.5312	27070.0279
		0.02	0.18	0.24		0.03	0.07	0.08	0.05	
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0.324172	0.343445	0.474203	0.372456	0.328907	0.315335	0.276873	0.29232	0.309728	0.299069	0.275709
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483770.662	551810.407	699713.068	506099.794	501962.555	473729.192	431865.949	442829.682	497559.186	441799.495	455810.286
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971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148
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343.88	419.54	353.17	312.12	326.72	293.18	334.43	333.07	387.27	353.66	365.42
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971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148
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386375.987 433974.748 24875.2575
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258511.452 303272.141 449363.555 377697.574 337354.558 343820.703 252015.725 210815.813 192899.334 172979.328 211897.55
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386375.987 433974.748 24875.2575

141869.618 191560.931 10760.1171
536.548068 607.672083 33.240251

2769.26835 3739.23347 3636.66338 3442.43936 3873.66174 4253.91144 3264.71738 3928.86354 4169.59711 3719.03561 3239.7955
85625.4481 121468.086 178643.391 155609.022 140767.863 146082.838 86005.3696 112258.887 129106.557 112897.692 84490.6899

2769.26835 3739.23347 3636.66338 3442.43936 3873.66174 4253.91144 3264.71738 3928.86354 4169.59711 3719.03561 3239.7955
7.192904 8.818946 9.277202 9.779657 9.907063 11.077894 8.32836 10.231415 10.2196 9.891052 7.787969
-56244.169 -70092.845 167883.274 155609.022 140767.863 146082.838 86005.3696 112258.887 129106.557 112897.692 84490.6899
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2769.26835 3739.23347 3636.66338 3442.43936 3873.66174 4253.91144 3264.71738 3928.86354 4169.59711 3719.03561 3239.7955
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56244.1695 70092.8451 -167883.27 -155609.02 -140767.86 -146082.84 -86005.37 -112258.89 -129106.56 -112897.69 -84490.69
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102164.422 134025.464 123631.332 106249.859 103849.734 88694.1736 90262.454 94413.4392 123257.481 108045.273 97035.034
141869.618 191560.931 10760.1171
141869.618 191560.931 10760.1171
2769.26835 3739.23347 3636.66338 3442.43936 3873.66174 4253.91144 3264.71738 3928.86354 4169.59711 3719.03561 3239.7955
141869.618 191560.931 10760.1171
141869.618 191560.931 10760.1171
2769.26835 3739.23347 3636.66338 3442.43936 3873.66174 4253.91144 3264.71738 3928.86354 4169.59711 3719.03561 3239.7955
85625.4481 121468.086 178643.391 155609.022 140767.863 146082.838 86005.3696 112258.887 129106.557 112897.692 84490.6899
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141869.618 191560.931 10760.1171

362365.19 375334.888 25083.8547
1372.76918 1201.62211 77.942559
3860.28752 3998.45411 4415.63543 2788.28607 4223.51491 4649.4833 3645.30709 3699.92355 3202.68756 3035.18693 3769.09466
118741.121 128665.254 213756.437 126613.705 150835.005 160688.164 96222.4986 102663.327 91039.4932 90471.2986 97670.6702
3860.28752 3998.45411 4415.63543 2788.28607 4223.51491 4649.4833 3645.30709 3699.92355 3202.68756 3035.18693 3769.09466
10.02672 9.430316 11.264376 7.921267 10.801828 12.108029 9.299252 9.635217 7.849724 8.072305 9.060323
-243624.07 -246669.63 188672.582 126613.705 150835.005 160688.164 96222.4986 102663.327 91039.4932 90471.2986 97670.6702
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3860.28752 3998.45411 4415.63543 2788.28607 4223.51491 4649.4833 3645.30709 3699.92355 3202.68756 3035.18693 3769.09466
362365.19 375334.888 25083.8547
243624.069 246669.633 -188672.58 -126613.71 -150835 -160688.16 -96222.499 -102663.33 -91039.493 -90471.299 -97670.67

243624.069	246669.633	-188672.58	-126613.71	-150835	-160688.16	-96222.499	-102663.33	-91039.493	-90471.299	-97670.67
102164.422	134025.464	123631.332	104361.746	103849.734	89928.0295	90189.8488	94211.2606	123257.481	108045.273	97035.034
362365.19	375334.888	25083.8547								
362365.19	375334.888	25083.8547								
3860.28752	3998.45411	4415.63543	2788.28607	4223.51491	4649.4833	3645.30709	3699.92355	3202.68756	3035.18693	3769.09466
362365.19	375334.888	25083.8547								
362365.19	375334.888	25083.8547								
3860.28752	3998.45411	4415.63543	2788.28607	4223.51491	4649.4833	3645.30709	3699.92355	3202.68756	3035.18693	3769.09466
118741.121	128665.254	213756.437	126613.705	150835.005	160688.164	96222.4986	102663.327	91039.4932	90471.2986	97670.6702
-243624.07	-246669.63	188672.582	126613.705	150835.005	160688.164	96222.4986	102663.327	91039.4932	90471.2986	97670.6702
362365.19	375334.888	25083.8547								
1301105.94	1461854.32	87144.7704								
4922.13971	4659.12569	270.231968								
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
692946.383	823260.996	1241656.44	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
25.91391	26.413099	61.831371	59.162695	31.902987	12.051636	50.768499	10.319487	17.342025	25.257491	32.114764
1.036556	3.433702	2.473254	0.591626	0.957089	0.361549	1.523054	0.412779	0.17342	1.515449	1.926885
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
58.105857	59.944856	64.495941	62.697123	65.359613	72.155054	62.351515	56.343297	46.869041	46.244697	52.527985
-608159.56	-638593.32	1154511.67	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
-608159.56	-638593.32	1154511.67	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
1301105.94	1461854.32	87144.7704								
608159.557	638593.322	-1154511.7	-996107.73	-929193.35	-956940.22	-658572.44	-613104.26	-584772.53	-530419.72	-582603.5
608159.557	638593.322	-1154511.7	-996107.73	-929193.35	-956940.22	-658572.44	-613104.26	-584772.53	-530419.72	-582603.5
0.1	1.41	0.26	0.04	0.12	0.17	0.14	0.18	0.08	0.34	0.36
408657.688	536101.857	494525.328	423111.322	415398.936	358478.262	360977.211	377451.578	493029.922	432181.092	388140.136
1301105.94	1461854.32	87144.7704								
1301105.94	1461854.32	87144.7704								
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
1301105.94	1461854.32	87144.7704								
1301105.94	1461854.32	87144.7704								
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
692946.383	823260.996	1241656.44	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504

-608159.56	-638593.32	1154511.67	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
1301105.94	1461854.32	87144.7704								
11.06256	11.007873	10.727266	11.113662	11.248036	11.29128	11.482258	11.374753	11.325824	11.35635	11.497885
0.324172	0.343445	0.474203	0.372456	0.328907	0.315335	0.276873	0.29232	0.309728	0.299069	0.275709
0.31207	0.325573	0.457542	0.358945	0.316151	0.303238	0.265833	0.281197	0.29862	0.287407	0.26435
3196836.89	4385089.13	6150034.19	4800930.95	3866275.59	3125665.27	2467975.32	2762064.77	3997587.28	3418521.17	2681159.04
3882453.98	5027193.28	3874831.61	2802413.56	2429041.99	1867691.56	1791878.83	2073847.57	3016117.42	2587134.71	2029829.06
14594.4032	15885.9893	12223.256	9246.62164	9096.92625	7946.65753	7768.25991	8333.85473	9837.0115	8898.62909	8650.78519
-35802.169	-57933.145	-32507.105	-37797.821	-32798.893	-19474.085	-27566.32	-33138.181	-59408.538	-50986.466	-34813.428
4220048.36	4395883.71									
0.033499	0.032774	0.031493	0.03369	0.033733	0.033735	0.034466	0.035916	0.034133	0.035091	0.036566
483770.662	551810.407	699713.068	506099.794	501962.555	473729.192	431865.949	442829.682	497559.186	441799.495	455810.286
751486.117	856266.726	1208120.65	1041998.47	974551.84	957810.976	874698.853	827943.837	965617.854	828535.124	943349.603
3.269749	3.303397	3.430852	3.557987	3.475305	3.509072	3.469481	3.432186	3.470383	3.441889	3.499731
829912.944	966994.148	1203798.05	845825.558	844957.756	800297.245	725729.03	753186.988	834825.475	751197.842	755607.64
167.429874	228.097444	16402.8807	13582.3419	6902.45719	1744.08075	1810.18602	4020.84828	17492.043	8885.35509	5038.19695
135677.648	147476.729	138730.556	124527.243	138361.449	135424.277	138458.153	135476.524	144438.221	132415.22	146452.04
352.409475	347.822474	353.904479	353.770576	353.865598	352.667388	353.209573	352.803447	354.015247	352.168138	352.048173
140966.4	155650.4	143903.2	129219.2	143903.2	140966.4	143903.2	140966.4	149776.8	138029.6	152713.6
366.146493	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999	367.099999	367.099999
43991.498	50675.7	65841.818	46382.65	45495.232	42746.404	38254.34	39639.432	44726.374	39670.8	40369.964
125.49903	123.230424	229.8587	339.198436	250.506171	268.690218	203.229205	210.771769	244.616131	213.95158	227.278374
37.647984	37.84407	38.507898	41.169026	40.680089	41.166402	41.399182	40.62426	40.930867	40.674746	41.818344
1697982.63	1952219.84	2577783.19	2011889.09	1948427.87	1876308.09	1714728.51	1705073.68	1929162.79	1700060.76	1826302.02
1563562.73	1884468.55	3644699.97	3045257.29	2512799.43	2418310.91	1955288.28	1869771.59	2314175.74	1997613.71	2053786.08
102164.422	134025.464	123631.332	106249.859	103849.734	89928.0295	90262.454	94413.4392	123257.481	108045.273	97035.034
-134419.9	-67751.295	1066916.77	1033368.2	564371.558	542002.822	240559.77	164697.916	385012.951	297552.948	227484.066
2256509.11	2707729.54	4886356.4	4041365.02	3441992.78	3375251.13	2613860.73	2482875.85	2898948.27	2528033.43	2636389.59
1374.56	1476.92	1737.28	1746.8	1831.31	1634.88	1586.77	1686.09	1879.64	1543.15	1700.72
36670.0699	1814.05443	49728.1841	175535.478	221999.203	388752.223	296678.051	184835.909	81747.4384	88258.8716	291989.873
25.153214	26.132924	37.505732	34.589002	28.880349	27.464634	22.595357	23.403237	25.454054	25.019446	22.531484
971892.551	1669240.7	1309772.14	1005225.11	750626.194	423756.718	421426.788	609874.008	1217330.16	1026943.15	548109.148

343.88	419.54	353.17	312.12	326.72	293.18	334.43	333.07	387.27	353.66	365.42
211.386507	261.861802	228.717115	229.79388	201.817376	170.012375	169.021803	225.863232	279.468753	265.246034	214.374754
10.536684	15.314287	7.627144	7.49931	6.314453	5.019407	5.540002	6.323246	9.436362	8.862131	6.186423
36,729.12	57,979.34	33,356.00	39,427.94	35,750.44	25,279.96	31,373.92	35,801.58	60,123.59	51,804.13	38,432.94
41688.4215	1959.55248	58110.165	254799.147	336194.346	683236.933	575914.944	339535.137	127854.827	144700.109	511915.103
2.562641	0.611271	3.80361	3.283627	3.40734	3.645211	2.335573	2.531588	1.172995	1.220792	2.527247
926.95	46.20	848.90	1,630.12	2,951.54	5,805.87	3,807.60	2,663.40	715.05	817.66	3,619.51
32.567968	33.976844	53.275247	50.800026	40.378333	32.273874	23.975931	30.188158	39.374174	33.79048	25.9754
32.545985	33.975174	53.009375	50.776303	40.310238	32.247923	23.952661	30.152393	39.267436	33.785798	25.94374
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-92.992646	-136.63478	-82.926288	-107.38017	-83.884637	-50.713761	-70.322245	-86.297346	-145.60916	-135.6023	-83.686125
-8412094.6	-9775626	-4282197.7	-3020996.6	-2622783.9	-1863704.3	-1783754.1	-2207599.1	-3274857.4	-2812970.8	-2094897.5
-82.36176	-72.941124	-34.62763	-28.413349	-25.227494	-20.709604	-19.742507	-23.390329	-26.59248	-26.002481	-21.596571
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65435.3059	76046.1219	90275.3286	66821.9168	68099.2974	64648.0704	58888.5347	58611.8584	63133.8903	56241.1426	58602.0981
2910561.43	3357952.58	2565059.47	1797188.45	1678415.8	1443934.84	1370452.05	1463973.57	1798787.25	1560191.57	1481719.92
8159464.71	9487317.45	3928605.75	2771455.02	2372710.67	1626722.23	1568843.11	1984262.6	3027801.8	2590548.5	1871071.47
9089668.84	11154598.6	5180267.72	3521880.98	2787142.52	1367242.01	1414354.95	2254601.47	4117277.14	3472791.54	1907265.51
0.000236	0.013507									
786431.265	1014439.8	967570.316	838815.831	815202.731	703210.152	708115.245	736007.935	971518.931	841469.451	760904.293
3.86	4.62	4.88	5.03	4.28	3.96	4.57	4.61	4.49	3.99	4.74
51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
10668603.7	12483355.5	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
6448555.31	8087471.8	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
1581399.06	1823260.87	2411918.7	1887824.03	1819509.6	1758108.22	1600427.88	1581130.82	1800443.33	1579732.97	1698957.24
66362.2532	76092.3192	91124.2269	68452.0376	71050.8408	70453.9449	62696.1339	61275.2582	63848.9429	57058.8064	62221.606
51878.0473	54307.525	50881.1119	39723.0786	48275.8936	43818.5556	47821.3249	56404.8913	49064.0327	51744.9143	52943.0182
6448555.31	8087471.8	9168554.06	7062361.59	6064776.68	5238955.4	4397614.88	4690474.91	6173805.67	5341004.19	4731287.11
64705.5263	74651.4439	114983.379	84341.9894	80642.3797	74381.3135	66479.3072	67537.9602	79655.4276	68582.8818	74401.7536
1301105.94	1461854.32	87144.7704								
22370.7552	25416.6192	25282.4089	22069.3876	25555.6088	27707.5409	24441.7939	21635.8262	19122.5689	17388.0064	21851.642
692946.383	823260.996	1241656.44	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
-608159.56	-638593.32	1154511.67	996107.729	929193.353	956940.221	658572.445	613104.257	584772.527	530419.717	582603.504
1301105.94	1461854.32	87144.7704								

2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07	2036-08
30.282085	31.862086	33.262137	49.949886	45.53986	36.999865	34.929798	27.609787	28.829789	31.92981	31.269793
20.680486	20.680513	20.680565	20.725787	20.725799	20.725875	20.725799	20.725812	20.725837	20.72585	20.725812
30.155301	31.735301	33.135331	49.823995	45.413979	36.873982	34.803942	27.483936	28.703937	31.803949	31.143939
30.252827	31.832828	33.232874	49.920834	45.510811	36.970815	34.900755	27.580744	28.800746	31.900765	31.24075
29.521376	31.101375	32.501302	49.194537	44.784575	36.244568	34.174664	26.85468	28.074677	31.174647	30.514671
29.804204	31.384204	32.784176	49.475372	45.065386	36.525384	34.455419	27.135425	28.355424	31.455413	30.795422
30.233322	31.813323	33.213365	49.901467	45.491445	36.951448	34.881392	27.561382	28.781384	31.881402	31.221388
30.272333	31.852333	33.252383	49.940202	45.530177	36.990182	34.920117	27.600106	28.820108	31.920128	31.260112

25.665057	25.665057	25.665057	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358	26.178358
1.59	1.59	1.59	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
29.97	31.55	32.95	49.64	45.23	36.69	34.62	27.3	28.52	31.62	30.96
5.873796	6.81273	7.635466	7.554376	7.522188	6.808813	6.163042	5.810525	5.828108	5.867824	5.860056
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
	0.27788	0.13894		0.55576	0.55576	0.55576			0.55576	0.416819
	0.000347	0.001383		0.001165	0.000871	0.002153			0.001315	0.005773
	0.000347	0.001383		0.001037	0.000871	0.002125			0.001315	0.005773
		620.749762		217.053588	66.623521				3088.81401	4002.79274
		1.825777		0.721668	0.207335				7.866989	11.174559
	3	13.2		8.4	8	17.6			11.6	53
0.027686	0.034661	0.031816	0.022474	0.031972	0.02696	0.032309	0.027107	0.026041	0.027321	0.03299
	41.682	183.4008		116.7096	111.152	244.5344			161.1704	736.381999
	1069.77092	4706.99204		3055.26574	2909.7769	6401.50918			4219.1765	19277.272
	0.544501	0.27225		1.110734	1.110734	1.110734			1.110734	0.83305
	65.02392	286.105248		185.568264	176.73168	388.809696			256.260936	1170.84738
8225.775	8340.525	9236.475	8621.775	7841.025	8932.5	8012.475	8931.15	8415	8579.025	8877.15
21.877061	21.663701	21.784139	21.994323	21.780625	21.947174	21.773029	21.890073	21.914062	21.885267	21.75772
8460	8640	9540	8820	8100	9180	8280	9180	8640	8820	9180
22.5	22.441558	22.5	22.5	22.5	22.555282	22.5	22.5	22.5	22.5	22.5
	3	13.2		8.4	8	17.6			11.6	53
	7.659138	3.797249		16.151674	15.680051	15.603852			15.492142	11.619107
	7.659138	3.797249		16.151674	15.680051	15.603852			15.492142	11.619107
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1229.55821	5530.99324		3657.49124	3682.784	7570.12526			5193.80168	24270.0225
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316

	1229.55821	5530.99324		3657.49124	3682.784	7570.12526			5193.80168	24270.0225
0.64	10.49	7.9	12.24	17.74	10.2	7.66	7.54	7.18	27.6	14.98
	1150.81004	4391.61953		3071.90012	3055.54086	6852.14657			1403.90743	16524.2966
	1229.55821	4758.81864		3422.13279	3610.94541	7570.12526			1540.20924	19317.9141
	0.4	0.189594		0.789602	0.767553	0.8			0.703103	0.368663
	3	11.565264		7.839577	7.827981	17.6			3.624824	42.664973
		379.724946		391.240227	387.303572				392.638278	390.806011
		3.797249		7.824804	7.746071				11.779148	7.81612
	3	13.2		8.4	8	17.6			11.6	53
	0.007792	0.031132		0.023333	0.019656	0.047826			0.029591	0.129901
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316
	78.748167	518.62395		368.537534	560.619622	717.978682			701.080244	3742.93316
		1.634735		0.560422	0.172018				7.975175	10.335026
		620.749762		217.053588	66.623521				3088.81401	4002.79274
	0.07	0.29		0.17	0.08	0.3			0.1	0.59
	-78.748167	-518.62395		-368.53753	-560.61962	-717.97868			-701.08024	-3742.9332
	-1308.3064	-5277.4426		-3790.6703	-4171.565	-8288.1039			-2241.2895	-23060.847
				0.01					0.11	0.06
	43.6311	215.6539		120.7246	118.0962	201.6771			224.0322	841.5285
	0.01			0.03	0.02	0.03				
	11.6352			35.6037	23.7358	35.6037				
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	1134.79484	4993.09729		3240.83401	3086.50858	6790.31887			4475.43744	20448.1193
	3	13.2		8.4	8	17.6			11.6	53
	11.6352			35.6037	23.7358	35.6037				
	1150.81004	5012.36929		3288.95371	3122.16438	6852.14657			4492.72144	20527.0893
	4.38	19.272		12.516	11.92	26.224			17.284	78.97
2.26056	1.78961	1.69542	5.08626	4.80369	4.33274	2.91989	3.48503	2.91989	3.29665	2.26056
0.043856	0.034693	0.035198	0.104149	0.103366	0.085764	0.065909	0.061327	0.061309	0.069613	0.054831
0.042739	0.032916	0.034221	0.101964	0.098722	0.0812	0.061983	0.06	0.060494	0.067423	0.052647
12985.3594	33430.2046	84284.3667	182251.673	123641.511	65735.6098	21568.3281	16343.3351	50652.7921	139924.875	120960.34
52.682139	117.832777	255.73906	557.766008	412.634799	231.389496	89.844139	68.056649	180.174425	416.687238	381.718389
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84

0.029494	0.033828	0.025165	0.028214	0.033777	0.034779	0.031739	0.028137	0.027447	0.033724	0.02995
8779.07314	6905.25728	7926.84202	21835.6909	19415.5731	18098.9853	12461.1486	13373.473	12690.5955	14438.7619	11734.567
85399.2264	74115.1	100706.61	214919.771	190615.392	144215.972	145345.746	92648.7673	104486.085	149667.92	142995.057
2.038813	1.53312	1.792645	3.680959	3.663723	2.694479	2.673529	2.413242	2.037251	2.712557	1.911421
1173.10155	2909.55922	6354.91537	17121.4062	11276.3131	8036.34704	1639.79631	2227.21706	5513.1087	12351.6822	9181.47933
21164.78	21518.58	23973.14	22094.52	20174.72	22840.98	20666.56	22998.16	21660.68	21969.24	22955.24
56.289308	55.892415	56.540424	56.363571	56.040888	56.120343	56.15913	56.368039	56.40802	56.043979	56.262843
21808	22272	24592	22736	20880	23664	21344	23664	22272	22736	23664
58	57.84935	58	58	58	58.142506	58	58	58	58	58
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
21.698329	16.420795	18.774746	40.445915	40.059562	30.331251	28.566928	26.63382	22.526379	29.226144	20.518071
21.698329	16.420795	18.774746	40.445915	40.059562	30.331251	28.566928	26.63382	22.526379	29.226144	20.518071
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
123220.918	120529.853	172303.943	291306.865	293126.658	232264.917	256665.487	140585.783	167540.031	248208.412	257981.057
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
123220.918	120529.853	172303.943	291306.865	293126.658	232264.917	256665.487	140585.783	167540.031	248208.412	257981.057
125.9	108.31	130.32	217.41	192.76	197.5	141.61	158.79	152.59	191.74	138.86
82049.2094	48200.1491	25070.5248	57039.7937	88646.1307	98649.8145	137683.668	91208.1182	67927.4392	25745.6156	35040.5385
106393.773	71411.894	40834.4899	69124.5408	123929.587	138624.096	219504.728	118186.42	93551.3761	32900.1059	58523.1653
11.705817	7.400867	2.830836	10.835406	15.028094	16.521963	16.463635	18.54227	10.340047	4.197737	4.260879
807.513705	424.216802	166.888911	500.50799	864.132067	1068.33403	1148.88548	1183.37997	762.022163	221.581873	271.057185
95.665052	91.464646	113.753983	86.364124	94.097358	75.521745	106.441009	72.18304	74.381953	90.746158	90.932932
20.079865	16.463614	19.337685	41.354851	40.455749	31.681766	22.346843	24.504815	22.27959	31.761152	21.822659
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
2.478882	1.904207	1.984858	5.913928	5.725888	4.721228	3.595054	3.48	3.508697	3.910561	3.053529
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
28186.3495	38899.4991	62949.051	52015.398	80839.016	67879.4931	97413.4908	33034.3299	48959.7997	82537.9221	101980.178
124.546294	308.903197	674.691088	1817.75201	1197.18793	853.20597	174.094522	236.460034	585.317836	1311.35813	974.782814
12985.3594	33430.2046	84284.3667	182251.673	123641.511	65735.6098	21568.3281	16343.3351	50652.7921	139924.875	120960.34
10.14	5.15	2.03	13.29	10.7	9.93	9.9	12.77	8.58	5	4.6
-28186.35	-38899.499	-62949.051	-52015.398	-80839.016	-67879.493	-97413.491	-33034.33	-48959.8	-82537.922	-101980.18
-134580.12	-110311.39	-103783.54	-121139.94	-204768.6	-206503.59	-316918.22	-151220.75	-142511.18	-115438.03	-160503.34
0.45	1.1	4.3	14.75	6.27	2.23	0.63	0.93	2.94	8.46	5.94
3783.2571	3490.0798	4742.1718	12961.7849	10404.1582	9123.4783	5336.5279	5769.3674	6124.9479	8794.3335	6700.4241
0.24	0.07	0.12	0.48	0.43	0.34	0.27	0.25	0.15	0.11	0.09

128.3304	37.4297	64.1652	261.792	234.522	185.436	147.258	136.35	81.81	59.994	49.086
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
85399.2264	74115.1	100706.61	214919.771	190615.392	144215.972	145345.746	92648.7673	104486.085	149667.92	142995.057
932.06	733.12	841.58	2318.26	2061.32	1921.54	1322.98	1419.84	1347.34	1532.94	1245.84
128.3304	37.4297	64.1652	261.792	234.522	185.436	147.258	136.35	81.81	59.994	49.086
95034.5688	81630.3537	109354.892	239291.467	212287.642	164385.424	159251.996	107551.453	118580.231	165670.49	156000.879
9507.012	7477.824	8584.116	24109.904	21437.728	19984.016	13758.992	14766.336	14012.336	15942.576	12956.736
0.02	0.3	0.2	0.78	1.34	2.08	0.13	1.2	0.46	0.03	0.03
11.303681	11.320964	11.319923	11.0809	11.165867	11.211192	11.316779	11.270128	11.302285	11.295839	11.340479
0.516359	0.516917	0.521969	0.643711	0.586495	0.56446	0.51129	0.536232	0.515921	0.523204	0.506063
0.500976	0.496997	0.506395	0.622333	0.563661	0.545299	0.489061	0.515265	0.497058	0.506218	0.488519
792132.346	858333.437	993256.278	1130723.05	928600.902	980359.117	731239.16	866554.801	846349.749	938330.886	944413.982
3366.32203	3189.60113	3109.22757	3539.98717	3188.88303	3631.37949	3090.32726	3697.91811	3397.81823	3102.72089	3240.37877
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
0.030425	0.041197	0.031603	0.033443	0.038138	0.036151	0.041793	0.038186	0.036458	0.034719	0.034754
233498.688	236225.934	265715.776	295444.745	247866.865	272904.501	223079.439	259372.531	236413.392	245439.044	247502.054
373670.136	378201.237	425409.954	491459.443	412384.143	452637.63	369913.982	430290.299	391980.476	409234.933	412291.799
3.5618	3.5618	3.5618	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364	3.6364
460412.713	465790.297	523938.366	589825.888	494841.41	544826.546	445355.791	517811.32	471975.696	489994.508	494113.101
40466.16	40867.98	45576.6	42056.79	38435.97	43650.75	39140.82	43558.62	41070	42001.29	43714.02
107.622765	106.150597	107.491981	107.287729	106.766583	107.25	106.360923	106.761323	106.953125	107.146147	107.142205
41736	42624	47064	43512	39960	45288	40848	45288	42624	43512	45288
111	110.711688	111	111	111	111.272727	111	111	111	111	111
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
42.612954	42.863625	42.737818	42.680111	43.030847	43.191481	43.789818	43.462855	43.614667	43.549985	43.758111
42.207599	42.269651	42.265689	42.261677	42.569402	42.743451	43.126851	42.956545	43.075509	43.043721	43.209474
882452.278	895580.171	1005093.88	1144526.35	961262.259	1056049.14	866427.21	1005336.49	916162.704	952272.666	960694.346
874472.359	978987.449	1176213.28	1773654.01	1418072.19	1280169.54	1046151.24	901573.093	844231.802	1065636.66	1062885.69
-7979.9188	83407.2779	171119.4	629127.663	456809.932	224120.393	179724.027	-103763.4	-71930.903	113363.999	102191.341
874472.359	978987.449	1176213.28	1773654.01	1418072.19	1280169.54	1046151.24	901573.093	844231.802	1065636.66	1062885.69
364.56	368.18	410.6	378.89	346.27	393.25	352.62	392.42	370	378.39	393.82
82898.1719	27144.8941	2766.56644	4655.25138	23618.4575	66436.8255	123937	128161.541	59928.855	4898.87958	6185.96305
159805.496	54740.8173	6912.76885	10017.2822	52095.2575	122904.746	329158.559	211054.204	104399.418	8040.25081	13890.1371

19.410616	9.461499	2.746965	7.960532	13.850149	17.832015	20.314566	19.025624	16.30666	4.070388	3.700662
2068.16474	677.638424	68.809517	113.871634	573.382658	1620.42472	2996.62701	3100.9082	1447.51146	117.669374	147.4644
23.465767	25.951807	28.071888	45.361925	35.389307	28.264287	21.25758	21.637203	22.360636	25.071132	23.251819
23.43738	25.944759	28.070553	45.35966	35.381241	28.231901	21.221504	21.601166	22.340095	25.069362	23.250644
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
55.60834	55.023444	56.209877	69.07903	62.566477	60.676948	54.285777	57.194519	55.173541	56.19029	54.225666
-130029.68	-40068.018	32229.7644	474698.695	327249.921	81473.2106	63120.4043	-239337.42	-195504.18	-14926.989	-27177.982
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18840.5713	20506.3876	23764.1785	26965.1084	21950.5493	23075.0933	16980.539	20234.4558	19739.1285	21908.9246	21976.6076
792132.346	858333.437	993256.278	1130723.05	928600.902	980359.117	731239.16	866554.801	846349.749	938330.886	944413.982
21.25	14.13	2.08	4.06	10.42	16.52	24.28	24.98	11.28	3.11	4.38
7979.91883	-83407.278	-171119.4	-629127.66	-456809.93	-224120.39	-179724.03	103763.399	71930.9028	-113364	-102191.34
-151825.58	-138148.1	-178032.17	-639144.94	-508905.19	-347025.14	-508882.59	-107290.8	-32468.516	-121404.25	-116081.48
295.08	317.77	381.17	324.78	284.06	312.68	272.38	300.33	306.46	336.05	354.25
83964.5871	96047.4788	128453.746	118221.248	98118.9989	103280.053	80456.9123	89352.6616	89927.7056	112032.518	112377.927
0.72	0.98	0.88	0.87	0.86	0.88	1.07	1.01	0.94	0.86	0.96
7421.76	10101.84	9071.04	9148.05	9042.9	9253.2	11251.05	10620.15	9884.1	9042.9	10094.4
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
834082.849	843991.534	949348.321	1081285.33	907225.553	997464.176	815269.773	948101.62	863956.172	899229.441	906404.899
20908.736	21184.026	23832.988	27078.98	22523.932	24695.518	19977.166	23335.364	21186.64	22026.594	22124.072
7421.76	10101.84	9071.04	9148.05	9042.9	9253.2	11251.05	10620.15	9884.1	9042.9	10094.4
1004502.04	1019055.47	1143983.52	1298955.32	1090822.27	1198696.33	983030.833	1140910.51	1039735.98	1080563.65	1090063.67
40947.6686	41486.7965	46674.5237	54092.9704	44993.8066	49331.7668	39906.3868	46614.7231	42322.4321	44000.3242	44195.0462
23.87	11.95	2.53	3.13	7.82	23.81	21.28	32.46	18.96	2.78	2.92
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000208	0.000872		0.000833	0.000759	0.001661			0.000954	0.004894
	0.000208	0.000872		0.000833	0.000759	0.001657			0.000943	0.004877
		50.349426		12.469346					311.733657	364.51659
		0.146305		0.041171					0.781153	0.992482
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
0.03226	0.023932	0.032264	0.027295	0.029611	0.025343	0.027146	0.020196	0.026354	0.040816	0.042058
	3.6	16.65		13.5	13.95	27.45			16.65	89.55

	92.394206	427.323204		353.407839	365.1881	718.595939			435.869668	2344.272
	0.543927	0.271963		1.108386	1.108386	1.385482			0.831289	0.831289
	5.51268	25.496145		20.67255	21.361635	42.034185			25.496145	137.127914
1091.61	1124.43	1230.96	1143.9	1048.02	1192.98	1074.03	1199.28	1121.64	1128	1172.52
2.903218	2.920597	2.903207	2.918112	2.911166	2.931154	2.918559	2.939411	2.920937	2.877551	2.873823
1128	1152	1272	1176	1080	1224	1104	1224	1152	1176	1224
3	2.992207	3	3	3	3.007371	3	3	3	3	3
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	101.43196	488.912592		412.889561	442.541512	809.289733			528.596952	2844.04241
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
	101.43196	488.912592		412.889561	442.541512	809.289733			528.596952	2844.04241
	0.08	0.37		0.3	0.31	0.61			0.37	1.99
	97.906886	402.469922		361.611042	386.549735	760.630124			149.632155	2116.88332
	101.43196	428.724885		400.385207	442.541512	809.289733			166.303768	2412.53568
	0.06	0.028187		0.12	0.12	0.15			0.09	0.059775
	0.24	0.986578		0.87	0.93	1.83			0.36	5.093009
		407.945359								415.644876
		4.079453								4.156448
	0.24	1.11		0.9	0.93	1.83			1.11	5.97
	0.000623	0.002617		0.0025	0.002285	0.004972			0.002831	0.014632
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
	3.525073	36.093243		38.809172	55.991776	48.659608			67.231139	362.642494
		0.123421		0.03					0.75	0.87699
		50.349426		12.469346					311.733657	364.51659
	-3.525073	-36.093243		-38.809172	-55.991776	-48.659608			-67.231139	-362.64249
	-104.95703	-464.81813		-439.19438	-498.53329	-857.94934			-233.53491	-2775.1782
	23.3377	121.24		84.6868	91.9558	141.3747			144.5828	635.809
	0.03	0.1		0.21	0.16	0.21			0.14	0.32
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
	0.24	1.11		0.9	0.93	1.83			1.11	5.97

	97.906886	452.819349		374.080389	386.549735	760.630124			461.365813	2481.39991
12.011777	12.1076	12.106152	11.701186	11.842249	11.923375	12.131096	12.080488	12.067082	12.118072	12.179033
0.573424	0.556598	0.566054	0.696827	0.639183	0.616965	0.547998	0.569482	0.564676	0.554274	0.538457
0.550101	0.527077	0.54303	0.668502	0.611863	0.591673	0.521293	0.545564	0.540628	0.528605	0.511362
295985.048	290813.53	330357.669	373931.454	318186.569	350147.718	283098.693	326874.99	305011.362	306233.464	309434.774
1263.93627	1082.84685	1033.20208	1170.64353	1095.42238	1302.94943	1202.79191	1401.49945	1232.42803	1013.4901	1061.92466
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
0.042021	0.053307	0.040471	0.044005	0.043888	0.042426	0.048342	0.041593	0.04401	0.045561	0.051593
104810.243	102965.097	116988.427	129033.921	109784.477	121026.089	97896.0058	112975.649	105409.998	105634.538	106788.423
167721.386	164851.532	187224.911	214313.08	182532.795	200680.492	162388.896	187504.054	174978.312	175969.84	177795.239
2.706	2.705999	2.705999	2.7635	2.7635	2.7635	2.763499	2.763499	2.763499	2.763499	2.7635
116968.231	114909.048	130559.085	144969.61	123342.86	135972.81	109986.162	126928.142	118428.132	118680.403	119976.793
15488.6	15631.79	17494.12	16114.25	14800.6	16799.67	15059.03	16814.29	15785.3	16088.02	16638.85
41.193085	40.602051	41.259716	41.10778	41.112777	41.27683	40.921277	41.211495	41.107552	41.040867	40.781495
16168	16512	18232	16856	15480	17544	15824	17544	16512	16856	17544
43	42.888311	43	43	43	43.105651	43	43	43	43	43
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
34.570444	35.004851	34.751757	34.356093	34.70833	34.913595	35.650695	35.401629	35.473405	35.556455	35.906915
33.750117	34.01235	34.007269	33.591378	33.973366	34.211739	34.780897	34.642589	34.602269	34.733454	34.908607
302051.62	297950.674	336424.241	380171.358	323700.703	355971.629	289182.599	333010.895	311615.261	312629.365	316610.664
357678.418	382634.077	462030.191	704390.49	562359.133	508872.199	409359.578	358482.62	351973.533	410265.681	412503.843
55626.798	84683.403	125605.95	324219.133	238658.431	152900.57	120176.979	25471.7247	40358.2718	97636.3154	95893.1798
357678.418	382634.077	462030.191	704390.49	562359.133	508872.199	409359.578	358482.62	351973.533	410265.681	412503.843
360.2	363.53	406.84	374.75	344.2	390.69	350.21	391.03	367.1	374.14	386.95
				2.218416						
				2.20118						
				0.035328						
				0.070656						
25.95571	19.865841	32.951991	45.196324	50.576334	29.530112	25.179703	34.775922	36.383575	19.521901	18.757785
5.450699	5.363777	9.226557	9.943191	16.69019	8.859033	8.309302	9.737258	8.732058	4.294818	3.751557
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
23.654361	22.60548	23.350306	28.745612	26.310111	25.504471	22.415625	23.459264	23.247031	22.730025	21.988578
842.484007	30863.5469	64456.0988	256773.102	181274.084	89640.2339	69006.7366	-33580.647	-14739.534	42421.1426	40074.8712
842.484007	30863.5469	64456.0988	256773.102	181274.084	89640.2339	69006.7366	-33580.647	-14739.534	42421.1426	40074.8712

8894.04	8703.11	9900.53	11268.28	9471.56934	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
295985.048	290813.53	330357.669	373931.454	318186.569	350147.718	283098.693	326874.99	305011.362	306233.464	309434.774
-55626.798	-84683.403	-125605.95	-324219.13	-238658.43	-152900.57	-120176.98	-25471.725	-40358.272	-97636.315	-95893.18
-55626.798	-84683.403	-125605.95	-324219.13	-238660.63	-152900.57	-120176.98	-25471.725	-40358.272	-97636.315	-95893.18
2.33	3.09	3.82	2.59	3.63	3.79	4.8	3.66	2.55	1.91	2.94
81731.3655	93712.5362	126049.178	115730.947	96938.5611	101976.312	79434.1686	88283.8702	88608.9672	109630.142	109224.727
1.19	1.4	1.19	1.2	1.06	1.12	1.17	1.18	1.27	1.23	1.38
6066.5724	7137.144	6066.5724	6239.904	5511.9152	5823.9104	6083.9064	6135.9056	6603.8984	6395.9016	7175.8896
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
284689.617	279760.58	317783.996	359282.69	305875.656	336653.302	272375.058	314432.196	293406.444	294650.243	297772.032
8894.04	8703.11	9900.53	11268.28	9471.64	10380.32	8248.95	9571.38	8926.86	8910.17	8971.34
6066.5724	7137.144	6066.5724	6239.904	5511.9152	5823.9104	6083.9064	6135.9056	6603.8984	6395.9016	7175.8896
356835.934	351770.53	397574.092	447617.388	381085.049	419231.965	340352.842	392063.267	366713.067	367844.538	372428.972
11295.4308	11052.9497	12573.6731	14648.764	12313.132	13494.416	10723.635	12442.794	11604.918	11583.221	11662.742
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000209	0.000796		0.000833	0.000759	0.001657			0.00095	0.004905
	0.000208	0.000731		0.000833	0.000759	0.001657			0.000892	0.004901
		24.476721		12.469346					286.794964	335.621515
		0.069833		0.041171					0.717624	0.907856
	0.24	0.93		0.9	0.93	1.83			1.05	6
0.027074	0.029531	0.027429	0.019897	0.032416	0.026789	0.028396	0.020906	0.029114	0.051352	0.023235
	3.6	13.95		13.5	13.95	27.45			15.75	90
	92.394206	358.027549		353.407839	365.1881	718.595939			412.309145	2356.05226
	0.543927	0.271963		1.108386	1.108386	1.385482			0.831289	0.831289
	5.51268	21.361635		20.67255	21.361635	42.034185			24.117975	137.816999
1097.46	1117.98	1237.11	1152.6	1044.99	1191.21	1072.65	1198.41	1118.46	1115.61	1195.56
2.918776	2.903844	2.917712	2.940306	2.90275	2.926805	2.914809	2.937279	2.912656	2.845943	2.930294
1128	1152	1272	1176	1080	1224	1104	1224	1152	1176	1224
3	2.992207	3	3	3	3.007371	3	3	3	3	3
	0.24	0.93		0.9	0.93	1.83			1.05	6
	8.158907	4.079453		16.625795	16.625795	20.782243			12.469346	12.469346

8.158907	4.079453	16.625795	16.625795	20.782243		12.469346	12.469346		
97.906886	379.389184	374.080389	386.549735	760.630124		436.42712	2493.86926		
101.43196	410.542508	412.889561	442.541512	809.289733		501.513239	2856.81388		
3.525073	31.153324	38.809172	55.991776	48.659608		65.086119	362.944617		
101.43196	410.542508	412.889561	442.541512	809.289733		501.513239	2856.81388		
0.08	0.31	0.3	0.31	0.61		0.35	2		
97.906886	354.912462	361.611042	386.549735	760.630124		149.632155	2158.24775		
101.43196	383.93607	400.385207	442.541512	809.289733		166.303768	2458.89999		
0.06	0.03	0.12	0.12	0.15		0.09	0.059835		
0.24	0.87	0.87	0.93	1.83		0.36	5.192528		
						467.781353	415.992607		
						4.677813	8.319852		
0.24	0.93	0.9	0.93	1.83		1.05	6		
0.000623	0.002193	0.0025	0.002285	0.004972		0.002678	0.014705		
3.525073	31.153324	38.809172	55.991776	48.659608		65.086119	362.944617		
3.525073	31.153324	38.809172	55.991776	48.659608		65.086119	362.944617		
	0.06	0.03				0.69	0.807471		
	24.476721	12.469346				286.794964	335.621515		
		0.01		0.02			0.02		
-3.525073	-31.153324	-38.809172	-55.991776	-48.659608		-65.086119	-362.94462		
-104.95703	-415.08939	-439.19438	-498.53329	-857.94934		-231.38989	-2821.8446		
						0.04	0.02		
23.3377	100.0923	84.6868	91.9558	141.3747		136.7316	638.6609		
0.03	0.09	0.21	0.16	0.21		0.13	0.33		
97.906886	379.389184	374.080389	386.549735	760.630124		436.42712	2493.86926		
97.906886	379.389184	374.080389	386.549735	760.630124		436.42712	2493.86926		
97.906886	379.389184	374.080389	386.549735	760.630124		436.42712	2493.86926		
0.24	0.93	0.9	0.93	1.83		1.05	6		
97.906886	379.389184	374.080389	386.549735	760.630124		436.42712	2493.86926		
2.112081	1.554301	1.550449	5.913376	6.377324	5.520638	2.836373	3.527553	3.11175	3.982709	2.405344
0.012712	0.015294	0.01747	0.024066	0.045564	0.043039	0.032409	0.021652	0.026379	0.030589	0.025736
0.012404	0.014562	0.017429	0.023698	0.043338	0.041916	0.031489	0.020906	0.025385	0.030367	0.025529
526.5773	5251.09004	17336.0026	20574.9855	22165.1491	14008.3178	2419.19009	1877.234	11663.4047	54376.7922	49517.8307
2.11577	18.356762	51.910536	61.866212	72.505777	49.194021	9.767075	7.627662	38.704128	151.649124	148.274232

233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
0.022406	0.031197	0.033089	0.03079	0.037138	0.025833	0.031616	0.025441	0.038606	0.018443	0.032867
3324.8	4003.2	5314.3	6552.5	11155.7	12232.7	8343.8	6090.1	6983.8	8538	7495.2
31174.6874	45280.8923	76645.7169	48697.5662	91142.3369	82381.5672	98046.7105	39175.1436	55198.4227	87096.7396	105630.941
1.286111	0.818232	0.837105	2.384748	2.987726	1.926617	1.858447	1.54853	1.379032	2.201299	1.524749
60.68951	635.603324	1343.77376	3117.11218	2903.75178	3714.21581	191.893174	294.048951	1414.7856	5412.28462	3682.63743
18404.4	18641.5	20539	18961.4	17307.5	19869.7	17764.1	19871.4	18436.4	19291.9	19820.7
48.947872	48.41948	48.441037	48.370918	48.076388	48.819901	48.27201	48.704411	48.011458	49.21403	48.580147
18800	19200	21200	19600	18000	20400	18400	20400	19200	19600	20400
50	49.870129	50	50	50	50.12285	50	50	50	50	50
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
24.851146	18.993117	20.786417	46.978172	79.520416	51.006272	44.958365	32.029054	33.693625	61.61723	40.58166
18.24073	11.63473	11.889649	33.923088	42.674226	27.492856	26.464262	21.98957	19.578925	31.380426	21.697581
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
37372.4258	58903.9863	101654.567	55970.33	117927.138	109962.795	141902.465	49905.4484	71654.9679	120746.023	153331.166
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
37372.4258	58903.9863	101654.567	55970.33	117927.138	109962.795	141902.465	49905.4484	71654.9679	120746.023	153331.166
187.1	156.6	176.89	297.75	328.24	348.75	239.83	249.99	220.53	325.87	239.33
30751.7921	40096.3503	59384.3133	28323.8336	69308.2107	68608.2963	95807.8384	37439.4466	43701.544	32821.8635	56226.33
36699.9637	52203.2297	77915.8544	32438.939	89781.6176	91160.1712	138346.533	47507.4808	55688.8793	41380.7537	80115.9394
3.126349	2.062204	1.496089	5.057169	7.079143	7.060374	4.480675	5.327349	4.153772	3.504336	2.331648
228.865034	234.544943	274.163051	242.981738	574.353684	592.520953	565.789274	405.603646	387.554308	214.463472	262.299697
136.454338	138.279587	118.899145	96.55577	122.560879	95.075996	172.632204	75.845277	101.913773	129.074324	142.032621
5.458173	11.062367	10.700923	29.889783	41.655779	24.719759	18.989542	8.34298	17.298645	36.14081	24.145545
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
0.620212	0.726233	0.871462	1.184948	2.166944	2.100982	1.574456	1.045343	1.26927	1.518367	1.27647
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
6094.05637	13556.5459	24934.251	7071.51084	26453.7777	27346.1806	43675.4368	10588.7678	16290.0191	33547.367	47587.005
4.334965	45.055056	95.336948	221.518261	205.746315	262.579046	13.610725	20.896353	99.845691	380.736527	258.500302
526.5773	5251.09004	17336.0026	20574.9855	22165.1491	14008.3178	2419.19009	1877.234	11663.4047	54376.7922	49517.8307
3.33	4.08	4.87	3.89	9.37	9.14	8.95	5.99	6.78	5.87	4.18
-6094.0564	-13556.546	-24934.251	-7071.5108	-26453.778	-27346.181	-43675.437	-10588.768	-16290.019	-33547.367	-47587.005
-42794.02	-65759.776	-102850.11	-39510.45	-116235.4	-118506.35	-182021.97	-58096.249	-71978.898	-74928.121	-127702.94
	0.23	0.42	1.32	1	0.5	0.05	0.1	0.75	2.98	1.83
1718.2054	2560.0795	4088.0265	4174.1695	7443.3664	7754.7846	4734.4047	3300.9246	4387.1826	6960.5309	5721.5845

0.1	0.04	0.01	0.26	0.25	0.14	0.1	0.12	0.1		0.02
74.482	23.332	5.833	176.668	214.654	105.268	64.992	82.384	86.96		11.9
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
31174.6874	45280.8923	76645.7169	48697.5662	91142.3369	82381.5672	98046.7105	39175.1436	55198.4227	87096.7396	105630.941
233.2	279.6	369.5	464.5	780.1	855.1	579.4	426.5	487.4	595.2	520.8
74.482	23.332	5.833	176.668	214.654	105.268	64.992	82.384	86.96		11.9
31278.3694	45347.4403	76720.3159	48898.8192	91473.3599	82616.6142	98227.0285	39316.6806	55364.9487	87198.6556	105744.161
29.2	43.216	68.765999	24.585	116.369	129.779	115.326	59.153	79.566	101.916	101.32
	0.03	0.04	0.54	0.39	1.19		0.21	0.13	0.03	
	0.3	0.15		0.6	0.6	0.75			0.45	0.45
	0.000211	0.000872		0.000815	0.000773	0.001603			0.000939	0.004803
	0.000208	0.000872		0.000805	0.000735	0.001603			0.000841	0.004803
		21.439812		16.662935					349.921636	351.375669
		0.060509		0.055018					0.888182	0.933034
	0.32	1.48		1.16	1.2	2.36			1.32	7.84
0.024521	0.03026	0.038962	0.031224	0.026333	0.019166	0.021793	0.024068	0.031588	0.040969	0.045563
	4.8	22.2		17.4	18	35.4			19.8	117.6
	123.192275	569.764272		455.503437	471.210452	926.713889			518.331497	3078.57495
	0.544539	0.272269		1.110862	1.110862	1.388577			0.833146	0.833146
	7.49712	34.67418		27.72168	28.6776	56.39928			31.54536	187.36032
1467.12	1489.52	1629.92	1519.04	1402.08	1600.72	1439.92	1592.72	1487.48	1503.76	1557.64
3.901914	3.868883	3.84415	3.875102	3.894666	3.932972	3.912826	3.903725	3.873645	3.836122	3.817745
1504	1536	1696	1568	1440	1632	1472	1632	1536	1568	1632
4	3.98961	4	4	4	4.009828	4	4	4	4	4
	0.32	1.48		1.16	1.2	2.36			1.32	7.84
	8.168087	4.084043		16.662935	16.662935	20.828668			12.497201	12.497201
	8.168087	4.084043		16.662935	16.662935	20.828668			12.497201	12.497201
	130.689395	604.438452		483.225117	499.888052	983.113169			549.876857	3265.93527
	135.242613	651.883456		533.872012	572.96532	1045.784			629.992744	3742.52391
	4.553218	47.445004		50.646895	73.077268	62.670833			80.115887	476.588635
	135.242613	651.883456		533.872012	572.96532	1045.784			629.992744	3742.52391
	0.08	0.37		0.29	0.3	0.59			0.33	1.96
	130.689395	582.998639		466.562181	499.888052	983.113169			199.95522	2914.5596

135.242613	629.511641	517.19954	572.96532	1045.784	221.738357	3318.98289				
0.08	0.039652	0.16	0.16	0.2	0.12	0.079742				
0.32	1.427503	1.12	1.2	2.36	0.48	6.996509				
	409.560262	417.073245			473.628191	445.103308				
	4.095602	4.170732			14.208845	13.353099				
0.32	1.48	1.16	1.2	2.36	1.32	7.84				
0.000831	0.00349	0.003222	0.002948	0.006413	0.003367	0.019215				
4.553218	47.445004	50.646895	73.077268	62.670833	80.115887	476.588635				
4.553218	47.445004	50.646895	73.077268	62.670833	80.115887	476.588635				
	0.052496	0.04			0.84	0.84349				
	21.439812	16.662935			349.921636	351.375669				
0.08	0.36	0.24	0.23	0.57	0.12	1.76				
-4.553218	-47.445004	-50.646895	-73.077268	-62.670833	-80.115887	-476.58864				
-139.79583	-676.95665	-567.84644	-646.04259	-1108.4548	-301.85425	-3795.5715				
	0.01	0.01			0.21	0.2				
23.3377	121.24	82.0314	88.7478	136.904	127.3581	625.388				
0.03	0.1	0.21	0.15	0.21	0.12	0.32				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				
0.32	1.48	1.16	1.2	2.36	1.32	7.84				
130.689395	604.438452	483.225117	499.888052	983.113169	549.876857	3265.93527				

10.843981	10.895418	10.897735	10.571165	10.686088	10.729306	10.876054	10.831072	10.852693	10.853642	10.918136
0.364662	0.375147	0.374732	0.518014	0.455462	0.429924	0.375906	0.388544	0.372937	0.380972	0.348206
0.343834	0.356934	0.356617	0.491703	0.431036	0.404555	0.357287	0.362039	0.350672	0.362826	0.3243
291934.146	308942.068	340549.268	435276.327	353695.859	377091.276	303545.863	340618.156	311308.716	329740.026	308492.85
1246.21489	1148.44032	1066.36824	1361.13337	1217.31107	1402.46171	1289.04225	1459.03722	1250.57594	1085.70967	1055.63087
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
0.059042	0.05263	0.054174	0.052321	0.061888	0.053823	0.057173	0.061789	0.06052	0.047423	0.06946
79905.8788	84516.4289	93177.0395	116045.403	94223.908	100824.043	81016.1922	90925.6161	83102.9157	87680.3707	82109.8988
128492.349	135986.538	149861.365	194540.106	158367.194	168344.349	135746.306	152221.403	139069.396	147962.17	138298.065
3.574699	3.574699	3.5747	3.6495	3.649499	3.6495	3.649499	3.649499	3.649499	3.649499	3.649499
158589.198	167739.756	184928.47	233193.236	189342.943	202605.914	162802.038	182715.026	166995.309	176193.705	164999.842
20732.68	21318.094	23500.358	21769.314	19790.392	22621.944	20331.856	22431.494	21140.536	21881.826	22248.076

55.140106	55.371672	55.425372	55.533964	54.973311	55.582171	55.249608	54.979151	55.053479	55.820984	54.529598
22033.6	22502.4	24846.4	22971.2	21096	23908.8	21564.8	23908.8	22502.4	22971.2	23908.8
58.599999	58.447792	58.599999	58.599999	58.6	58.74398	58.599999	58.599999	58.599999	58.599999	58.599999
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
46.098181	45.596042	46.833466	43.766153	45.743821	44.549906	46.957196	46.164376	47.569788	45.654547	47.504701
39.398006	39.582674	39.590738	39.214019	39.629335	39.799356	40.331672	40.167713	40.247617	40.240503	40.481584
327394.062	339015.391	380794.633	470217.332	388954.795	410695.672	335088.092	378483.282	347919.426	360173.849	346947.99
370725.233	440760.018	521661.143	823378.383	656675.526	551167.227	498730.386	387534.837	379014.905	485789.363	445346.021
43331.1711	101744.627	140866.511	353161.052	267720.732	140471.555	163642.294	9051.555	31095.4785	125615.515	98398.031
370725.233	440760.018	521661.143	823378.383	656675.526	551167.227	498730.386	387534.837	379014.905	485789.363	445346.021
353.8	363.79	401.03	371.49	337.72	386.04	346.96	382.79	360.76	373.41	379.66
71.749531	4.947242		24.681583	106.691613	339.520552	164.722011	117.749645	42.939474		
114.496734	5.799369		40.086486	115.956477	406.696616	398.500177	235.309403	55.403595		
1.285353	0.120406		0.135696	0.982973	1.42892	2.016686	1.427712	1.018133		
1.733824	0.120406		0.678482	2.822331	9.059757	4.057167	2.799675	1.018133		
28.821267	29.712467	29.589304	48.775072	44.310781	30.177432	27.689113	23.561906	27.658122	27.49738	23.649515
24.190602	26.38919	24.855015	41.946562	38.096371	26.544974	23.530817	19.554485	23.231409	23.92272	18.919612
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646
20.148728	20.86202	20.897797	28.813836	25.258761	23.765203	20.937054	21.215529	20.549401	21.261617	19.004034
1564.36827	57567.8894	92162.8722	292504.12	218469.895	87770.8281	121295.13	-38475.265	-12342.416	79784.9849	55479.1869
1564.36827	57567.8894	92162.8722	292504.12	218469.895	87770.8281	121295.13	-38475.265	-12342.416	79784.9849	55479.1869
7574.18818	8031.75759	8860.666	11294.3455	9090.33167	9663.37824	7700.77883	8653.13632	7889.95187	8334.554	7753.646
291934.146	308942.068	340549.268	435276.327	353695.859	377091.276	303545.863	340618.156	311308.716	329740.026	308492.85
0.05				0.01	0.01	0.07	0.08			
-43331.171	-101744.63	-140866.51	-353161.05	-267720.73	-140471.56	-163642.29	-9051.555	-31095.478	-125615.51	-98398.031
-43445.668	-101750.43	-140866.51	-353201.14	-267836.69	-140878.25	-164040.79	-9286.8644	-31150.882	-125615.51	-98398.031
17.05	24.14	19.51	18.56	18.78	20.59	21.34	21.46	20.8	21.24	21.15
74483.503	88654.7122	115505.947	107094.726	88921.3026	94031.7307	73802.6933	80920.2638	81817.1691	103357.843	100417.932
1.53	1.3	1.74	1.48	1.49	1.41	1.33	1.6	1.55	1.29	1.63
35388.1656	30068.376	40245.3648	34916.3234	35152.2445	33264.8757	31377.5068	37747.3766	36567.7711	30433.8224	38455.14
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
287081.547	303726.294	334789.835	427733.342	347710.137	370950.263	298548.345	334936.429	306064.705	324155.875	303297.907
7575.922	8031.878	8860.666	11295.024	9093.154	9672.438	7704.836	8655.936	7890.97	8334.554	7753.646

35388.1656	30068.376	40245.3648	34916.3234	35152.2445	33264.8757	31377.5068	37747.3766	36567.7711	30433.8224	38455.14
369160.864	383192.128	429498.271	530874.264	438205.631	463396.399	377435.255	426010.102	391357.32	406004.378	389866.834
4924.3493	5220.7207	5759.4329	7567.66608	6092.41318	6480.53346	5162.24012	5799.47712	5286.9499	5584.15118	5194.94282
0.07	0.01			0.01	0.05	0.17	0.07	0.06		
1.65	1.35	1.65	4.35	5.55	5.25	2.7	2.4	2.55	3.9	1.95
0.011098	0.012528	0.01599	0.016184	0.039014	0.038326	0.030167	0.018087	0.024306	0.02751	0.02345
0.01101	0.012369	0.015801	0.015892	0.037527	0.036764	0.028559	0.01772	0.023958	0.02727	0.023161
18.911694	715.508823	2033.68299	2573.93078	3486.17805	2073.87119	248.457448	300.219963	2195.2087	10921.5309	10011.5601
0.076188	2.427511	6.244443	7.868661	11.505391	7.286316	1.0079	1.205852	6.963133	29.588499	29.33057
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
0.034787	0.027421	0.029481	0.022857	0.028861	0.029754	0.031195	0.034338	0.030312	0.022117	0.031642
869.4	997.5	1407	1308.3	2837.1	3150	2207.1	1518.3	1932	2244.9	1984.5
8047.68215	11924.4192	20786.0906	9362.74019	23814.1944	21272.4389	25579.7818	9691.68967	15295.4031	22920.3715	28519.718
0.985227	0.703347	0.835791	1.640404	2.660378	1.731369	1.66988	0.905779	1.121844	2.094234	1.242433
2.314728	98.513334	150.491779	394.067403	461.210209	758.476051	19.849488	42.808966	248.376249	1076.84142	726.363101
5080.88	5228.58	5761	5362.56	4894.54	5542.04	4991.28	5515.86	5213.04	5366.62	5531.26
13.512978	13.580727	13.587264	13.68	13.595944	13.616805	13.56326	13.519264	13.575625	13.690357	13.557009
5264	5376	5936	5488	5040	5712	5152	5712	5376	5488	5712
14	13.963636	14	14	14	14.034398	14	14	14	14	14
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
14.864344	10.574404	12.818125	25.260244	40.098527	26.407622	25.170153	13.705426	16.863356	31.413523	18.642965
14.864344	10.574404	12.818125	25.260244	40.098527	26.407622	25.170153	13.705426	16.863356	31.413523	18.642965
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
9526.37078	15380.0918	27005.8657	10827.7788	30367.6477	28088.2025	36956.388	12267.9834	19515.2876	31586.8964	40910.9557
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
9526.37078	15380.0918	27005.8657	10827.7788	30367.6477	28088.2025	36956.388	12267.9834	19515.2876	31586.8964	40910.9557
99.74	68.44	104.79	154.77	179.51	181.6	129.95	126.24	120.85	163.82	140.98
8060.27045	11219.4104	18773.4076	6935.80941	20380.5163	19282.5677	25394.3244	9443.9697	13142.1944	11998.8406	18518.6579
9502.61489	14459.3349	24248.1354	7891.93463	26008.1212	25435.5615	36549.6431	11916.2471	16614.8442	15515.0339	26156.5166
1.539216	1.09765	1.079438	3.012036	4.119397	3.980525	2.517113	2.236017	2.323772	2.808817	1.651194
57.805684	59.932444	83.767214	60.948839	158.392652	159.434929	145.8167	98.366068	112.241583	77.870572	83.875793
122.563836	159.391545	117.012015	109.026982	154.11017	85.676741	221.870381	93.202019	132.210938	123.576258	165.186188
1.225638	7.969577	10.385019	21.47104	33.904237	10.238893	4.437407	2.79606	10.576875	30.894064	18.17048
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3

0.154148	0.172727	0.221226	0.2225	0.525388	0.51597	0.399836	0.248088	0.335416	0.381785	0.324264
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
1447.18863	3445.17262	6198.77511	1318.03861	6500.95339	6731.76369	11313.6062	2523.79374	4177.88447	8666.52486	12380.7377
0.154315	6.567555	10.032785	26.27116	30.747347	50.56507	1.323299	2.853931	16.558416	71.789427	48.424206
18.911694	715.508823	2033.68299	2573.93078	3486.17805	2073.87119	248.457448	300.219963	2195.2087	10921.5309	10011.5601
2.13	1.6	1.87	3.37	4.45	4.05	2.98	3.19	3.45	2.36	1.89
-1447.1886	-3445.1726	-6198.7751	-1318.0386	-6500.9534	-6731.7637	-11313.606	-2523.7937	-4177.8845	-8666.5249	-12380.738
-10949.804	-17904.508	-30446.911	-9209.9732	-32509.075	-32167.325	-47863.249	-14440.041	-20792.729	-24181.559	-38537.254
	0.08	0.19	0.79	0.61	0.25		0.12	0.35	1.48	0.78
975.3474	1320.7985	2143.651	2018.4483	3958.8117	4167.4731	2453.2574	1756.0709	2485.6018	3728.5646	2980.4022
0.03	0.01	0.02	0.14	0.05	0.08	0.06	0.05	0.04		0.01
31.5	10.5	21	147	52.5	84	63	52.5	42		10.5
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
8047.68215	11924.4192	20786.0906	9362.74019	23814.1944	21272.4389	25579.7818	9691.68967	15295.4031	22920.3715	28519.718
57.96	66.5	93.8	87.22	189.14	210	147.14	101.22	128.8	149.66	132.3
31.5	10.5	21	147	52.5	84	63	52.5	42		10.5
8079.18215	11934.9192	20807.0906	9509.74019	23866.6944	21356.4389	25642.7818	9744.18967	15337.4031	22920.3715	28530.218
	0.02	0.01	0.13	0.34	0.8	0.01	0.04	0.05	0.01	

11.378065	11.421864	11.425592	11.102046	11.236488	11.291149	11.429978	11.369009	11.396187	11.404928	11.462207
0.289729	0.287913	0.292046	0.377904	0.34851	0.331144	0.293934	0.302326	0.294946	0.298894	0.283941
0.279664	0.276676	0.282143	0.364913	0.333928	0.31878	0.281318	0.2905	0.283528	0.288834	0.272544
1393582.39	1497485.84	1768534.28	2145331.42	1750034.82	1789482.53	1342119.69	1552568.74	1527181.23	1783564.84	1747885.64
5931.34729	5559.50536	5524.79436	6699.26495	5999.12148	6624.8678	5682.78054	6635.34494	6106.66389	5810.09948	5931.26543
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
0.032011	0.035378	0.034322	0.03121	0.036469	0.031532	0.034829	0.031564	0.035369	0.034626	0.038816
431188.083	435667.099	490765.585	570220.559	485444.733	528393.37	425338.52	484255.669	446532.701	464188.985	458648.175
794505.466	811737.47	966696.755	1173292.71	1063073.64	1073643.81	945786.837	911531.357	881008.096	998437.661	1032586.99
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735970.142	748522.648	839793.559	967988.735	807781.848	883653.404	718673.269	827454.488	757399.137	785206.036	780722.888
1236.10578	3643.67588	7849.18091	20632.5858	14641.2751	12509.0389	1851.53897	2564.07498	7176.27056	18840.8082	13590.4799
133219.465	135278.979	150178.683	138796.149	126739.837	144242.494	129552.721	144111.384	135448.536	138925.291	143711.016
354.307087	351.373971	354.195007	354.071808	352.055102	354.404162	352.045437	353.214176	352.730562	354.401252	352.232882
138029.6	140966.4	155650.4	143903.2	132156	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8

367.099999	366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
184.6954	201.597876	192.742532	233.48669	349.227707	295.994705	303.090167	197.397163	199.741222	299.945923	255.967427
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1646290.08	1672936.26	1935644.07	2292615.07	2006065.79	2095470.07	1783176.23	1873442.99	1764979.97	1906805.79	1943296.55
1772995.72	1998763.14	2467951.33	3659527.86	3083545.44	2715665.71	2400000.03	1850349.77	1833930.53	2369086.94	2406672.13
126705.645	325826.877	532307.253	1366912.79	1077479.64	620195.637	616823.802	-23093.228	68950.5509	462281.157	463375.582
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1491.94	1439.58	1639.42	1807.3	1747.33	1908.95	1570.65	1708.8	1599.01	1836.02	1700.53
203831.193	128143.064	111726.813	96979.3697	206323.91	257645.553	392344.073	266370.826	184742.972	77368.3263	139685.477
312516.345	194388.74	156112.24	119512.783	296672.843	383600.265	734192.452	388899.661	270309.922	99930.6995	206194.091
5.741957	2.073166	0.90335	4.579715	4.487621	5.004702	4.688486	7.412332	5.470879	1.735338	1.349459
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29.75263	32.011803	33.862541	51.903458	49.366261	39.133245	30.506511	27.518447	30.803132	41.252833	34.953939
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38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
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1393582.39	1497485.84	1768534.28	2145331.42	1750034.82	1789482.53	1342119.69	1552568.74	1527181.23	1783564.84	1747885.64
36.9	25.11	11.5	24.61	35.37	39.96	47.07	47.01	30.09	16.56	17.42
-126705.64	-325826.88	-532307.25	-1366912.8	-1077479.6	-620195.64	-616823.8	23093.2282	-68950.551	-462281.16	-463375.58
-439221.99	-520215.62	-688419.49	-1486425.6	-1374152.5	-1003795.9	-1351016.3	-365806.43	-339260.47	-562211.86	-669569.67
314.91	346.41	409.42	362.79	314.37	340.04	299.2	326.6	333.85	372.48	387.17
246656.266	285899.329	381540.947	360201.323	306157.329	320724.587	246839.295	269383.159	273351.574	345136.637	340164.384
3.81	3.9	4.25	4.43	4.8	4.46	4.66	4.21	4.05	3.88	5.06
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03
1530475.61	1560260.12	1806490.31	2141281.44	1870855.49	1957297.22	1664460.11	1738985.84	1638407.23	1783643.7	1813309.88
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
1864890.96	1894408.15	2184387.2	2575147	2242260.99	2354078.32	1993297.26	2115596.21	1987088.95	2136142.48	2171403.03

66703.6607	65285.8869	73679.7837	100443.89	84965.9647	89432.4312	69692.8039	79682.4832	73306.202	77229.4724	74189.757
23.96	12.31	2.78	4.58	9.9	27.93	21.59	33.98	19.66	2.85	2.95
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
2365.26244	2958.44535	4229.15634	4582.60342	3397.03652	2874.14562	1772.65177	1974.69672	2510.10233	3501.09015	3512.8958
-88674.439	-103515.22	-136081.72	-125459.39	-105334.07	-110109.66	-87078.343	-95581.308	-96450.037	-119245.51	-119903.74
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
314.53	345.8	409.27	361.83	313.96	339.18	298.82	326.38	333.75	372.15	387.18
181.1363	209.761946	261.74832	243.682962	235.988196	200.420294	170.370784	178.129251	234.164501	281.286722	271.395079
94.612252	118.280867	160.45905	128.89113	124.428397	106.187235	84.810098	89.270156	105.301611	155.772342	152.69463
31623.9925	43467.7397	67231.2134	48609.0563	41537.7898	39280.6496	27389.5653	31399.7827	37549.2355	59861.9027	61214.1177
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-235.83627	-268.87069	-320.94745	-320.04946	-292.59465	-270.53971	-236.62593	-234.26791	-251.17197	-304.19773	-293.88173
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
-30.281535	-31.983977	-33.378859	-50.081937	-45.488163	-37.308026	-34.933623	-27.619567	-29.494024	-32.922729	-31.794516
-2684299	-3317174.2	-4540099.6	-6278825.1	-4791241.7	-4109433	-3025923.4	-2640076.2	-2845357.3	-3957555.2	-3834723.7
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
3251084.23	4124754.44	5919288.3	7763163.45	5803098.72	4899303.55	3452320.96	3108926.44	3507413.01	5060772.17	4896971.32
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
2365.26244	2958.44535	4229.15634	4582.60342	3397.03652	2874.14562	1772.65177	1974.69672	2510.10233	3501.09015	3512.8958
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88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59
314.53	345.8	409.27	361.83	313.96	339.18	298.82	326.38	333.75	372.15	387.18
181.1363	209.761946	261.74832	243.682962	235.988196	200.420294	170.370784	178.129251	234.164501	281.286722	271.395079
94.612252	118.280867	160.45905	128.89113	124.428397	106.187235	84.810098	89.270156	105.301611	155.772342	152.69463

31623.9925	43467.7397	67231.2134	48609.0563	41537.7898	39280.6496	27389.5653	31399.7827	37549.2355	59861.9027	61214.1177
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2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
3251084.23	4124754.44	5919288.3	7763163.45	5803098.72	4899303.55	3452320.96	3108926.44	3507413.01	5060772.17	4896971.32
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
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212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937

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88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937

7051.70572	7419.14053	8332.68808	8104.31468	7372.24274	8552.00555	8494.34274	8595.6952	6592.0359	5335.84228	5414.58937
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479
212562.447	233745.613	275672.556	402036.147	333783.34	315363.118	296208.769	236451.227	188285.249	168315.856	166503.479

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
25.652755	16.906583	11.667755	35.719575	147.024065	16.305445	38.131054	22.918054	23.367998	6.318045	13.943265
1.539165	0.507197	0.350032	0.357195	4.410721	0.326108	1.143931	1.604263	0.934719	0.12636	0.697163
7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
21.090202	21.654018	22.088868	23.232189	23.007282	23.611622	25.907432	23.664485	19.321735	15.273504	14.899155
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549

-239000.42	-262585.25	-309796.92	-451761.79	-375021.03	-354376.33	-332411.05	-265585.11	-211760.05	-188945.08	-187023.98
-239000.42	-262585.25	-309796.92	-451761.79	-375021.03	-354376.33	-332411.05	-265585.11	-211760.05	-188945.08	-187023.98
0.23	0.17	0.3	0.02	0.36	0.07	0.14	0.41	0.4	0.11	0.46
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549

7929.91619	8336.79731	9365.68044	9107.01811	8282.62177	9609.93018	9533.93528	9655.11019	7419.54661	5987.21382	6078.85549
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979
239000.416	262585.252	309796.923	451761.789	375021.034	354376.329	332411.052	265585.108	211760.051	188945.076	187023.979

2436.97526 2798.0301 3789.32467 3641.94062 3426.26364 4015.60487 4076.12049 3409.85834 3925.58088 4008.00174 3988.70273
72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957

2436.97526 2798.0301 3789.32467 3641.94062 3426.26364 4015.60487 4076.12049 3409.85834 3925.58088 4008.00174 3988.70273
6.481317 7.26761 8.937086 9.290664 9.517398 9.866351 11.076414 8.357495 10.222866 10.224494 9.776232
72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957
72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957
2436.97526 2798.0301 3789.32467 3641.94062 3426.26364 4015.60487 4076.12049 3409.85834 3925.58088 4008.00174 3988.70273

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88674.4392 103515.216 136081.719 125459.387 105334.075 110109.662 86011.2457 95581.3077 96450.0365 119245.512 119903.744

2436.97526 2798.0301 3789.32467 3641.94062 3426.26364 4015.60487 4076.12049 3409.85834 3925.58088 4008.00174 3988.70273

2436.97526 2798.0301 3789.32467 3641.94062 3426.26364 4015.60487 4076.12049 3409.85834 3925.58088 4008.00174 3988.70273
72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957
72129.214 83999.7409 123127.725 178105.652 152282.246 147044.662 140192.252 93900.7221 110154.419 125016.139 118214.957

4194.01455 3891.72687 4055.50602 4403.7818 2768.36443 4366.1577 4465.08298 3801.67879 3705.97524 3124.76306 3211.31465
124762.331 116409.238 130776.371 212111.713 122637.531 160514.315 156076.83 104504.876 100761.813 94495.4284 91793.3554
4194.01455 3891.72687 4055.50602 4403.7818 2768.36443 4366.1577 4465.08298 3801.67879 3705.97524 3124.76306 3211.31465
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124762.331 116409.238 130776.371 212111.713 122637.531 160514.315 156076.83 104504.876 100761.813 94495.4284 91793.3554
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4194.01455	3891.72687	4055.50602	4403.7818	2768.36443	4366.1577	4465.08298	3801.67879	3705.97524	3124.76306	3211.31465
4194.01455	3891.72687	4055.50602	4403.7818	2768.36443	4366.1577	4465.08298	3801.67879	3705.97524	3124.76306	3211.31465
124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554
124762.331	116409.238	130776.371	212111.713	122637.531	160514.315	156076.83	104504.876	100761.813	94495.4284	91793.3554
21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77
25.652755	16.906583	11.667755	35.719575	147.024065	16.305445	38.131054	22.918054	23.367998	6.318045	13.943265
1.539165	0.507197	0.350032	0.357195	4.410721	0.326108	1.143931	1.604263	0.934719	0.12636	0.697163
21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
57.48035	58.300506	60.243394	64.431263	60.693034	65.217931	72.199677	62.407702	56.36234	47.081175	45.817309
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77
21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
-648454.41	-696739.84	-839373.57	-1244015.3	-983724.15	-977298.42	-924888.9	-700441.93	-610961.53	-576772.5	-563535.77
-648454.41	-696739.84	-839373.57	-1244015.3	-983724.15	-977298.42	-924888.9	-700441.93	-610961.53	-576772.5	-563535.77
0.23	0.17	0.3	0.02	0.36	0.07	0.14	0.41	0.4	0.11	0.46
354697.757	414060.862	544326.874	501035.161	421336.299	440438.646	347246.275	382237.962	385645.494	475299.268	477741.353
21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77

648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77
11.378065	11.421864	11.425592	11.102046	11.236488	11.291149	11.429978	11.369009	11.396187	11.404928	11.462207
0.289729	0.287913	0.292046	0.377904	0.34851	0.331144	0.293934	0.302326	0.294946	0.298894	0.283941
0.279664	0.276676	0.282143	0.364913	0.333928	0.31878	0.281318	0.2905	0.283528	0.288834	0.272544
2684298.96	3317174.2	4540099.61	6278825.14	4791241.72	4109433	3025923.41	2640076.19	2845357.28	3957555.22	3834723.73
1960367.65	2305066.08	3147722.97	3629669.73	2761891.83	2579353.08	1768517.24	2021418.99	2189236.96	2886781.79	2810133.23
8296.60972	8517.95071	9753.9507	11281.8684	9396.158	9499.01342	7455.43231	8610.04167	8616.76621	9311.18963	9444.16123
-28459.909	-42067.487	-66622.735	-47690.068	-39353.936	-35819.987	-22504.77	-26608.725	-34838.888	-59225.493	-60389.474
0.032011	0.035378	0.034322	0.03121	0.036469	0.031532	0.034829	0.031564	0.035369	0.034626	0.038816
431188.083	435667.099	490765.585	570220.559	485444.733	528393.37	425338.52	484255.669	446532.701	464188.985	458648.175
794505.466	811737.47	966696.755	1173292.71	1063073.64	1073643.81	945786.837	911531.357	881008.096	998437.661	1032586.99
3.437335	3.437739	3.463447	3.601781	3.644548	3.541167	3.625443	3.497217	3.520259	3.598838	3.604118
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1236.10578	3643.67588	7849.18091	20632.5858	14641.2751	12509.0389	1851.53897	2564.07498	7176.27056	18840.8082	13590.4799
133219.465	135278.979	150178.683	138796.149	126739.837	144242.494	129552.721	144111.384	135448.536	138925.291	143711.016
354.307087	351.373971	354.195007	354.071808	352.055102	354.404162	352.045437	353.214176	352.730562	354.401252	352.232882
138029.6	140966.4	155650.4	143903.2	132156	149776.8	135092.8	149776.8	140966.4	143903.2	149776.8
367.099999	366.146493	367.099999	367.099999	367.099999	368.001965	367.099999	367.099999	367.099999	367.099999	367.099999
38601.918	39002.034	43915.784	52512.264	44130.646	47745.976	38004.092	43510.24	39968.01	41564.198	40820.808
184.6954	201.597876	192.742532	233.48669	349.227707	295.994705	303.090167	197.397163	199.741222	299.945923	255.967427
40.669833	40.797732	41.104546	41.64144	42.57047	41.644957	42.974904	41.408911	41.733189	42.615545	42.873361
1646290.08	1672936.26	1935644.07	2292615.07	2006065.79	2095470.07	1783176.23	1873442.99	1764979.97	1906805.79	1943296.55
1772995.72	1998763.14	2467951.33	3659527.86	3083545.44	2715665.71	2400000.03	1850349.77	1833930.53	2369086.94	2406672.13
88674.4392	103515.216	136081.719	125459.387	105334.075	110109.662	87078.3432	95581.3077	96450.0365	119245.512	119903.744
126705.645	325826.877	532307.253	1366912.79	1077479.64	620195.637	616823.802	-23093.228	68950.5509	462281.157	463375.582
2421450.13	2695502.98	3307324.9	4903543.16	4067269.59	3692964.13	3324888.93	2550791.7	2444892.06	2945859.44	2970207.9
1491.94	1439.58	1639.42	1807.3	1747.33	1908.95	1570.65	1708.8	1599.01	1836.02	1700.53
203831.193	128143.064	111726.813	96979.3697	206323.91	257645.553	392344.073	266370.826	184742.972	77368.3263	139685.477
24.525066	25.656646	26.658555	37.828734	34.886048	29.133274	27.69944	22.790063	23.604864	25.674845	25.234192
566785.262	807580.241	1379188.69	1484338.31	1011857	789870.551	426397.553	468850.25	662055.723	1103216.95	1062247.59

314.53	345.8	409.27	361.83	313.96	339.18	298.82	326.38	333.75	372.15	387.18
181.1363	209.761946	261.74832	243.682962	235.988196	200.420294	170.370784	178.129251	234.164501	281.286722	271.395079
7.884354	7.392554	10.02869	10.740927	7.776774	6.636702	5.300631	7.439179	8.775134	9.735771	9.543414
31,623.99	43,467.74	67,231.21	48,609.06	41,537.79	39,280.65	27,389.57	31,399.78	37,549.24	59,861.90	61,214.12
312516.345	194388.74	156112.24	119512.783	296672.843	383600.265	734192.452	388899.661	270309.922	99930.6995	206194.091
3.349475	1.425302	0.621053	2.6715	3.085239	3.440732	3.223334	4.32386	3.191346	1.193044	0.927753
3,164.08	1,400.25	608.48	918.99	2,183.85	3,460.66	4,884.80	4,791.06	2,710.35	636.41	824.64
29.749495	32.041039	33.857561	51.880854	49.319185	39.120861	30.511989	27.600245	30.791438	41.238811	34.889556
29.723171	32.019458	33.832621	51.773301	49.307093	39.093142	30.493412	27.576588	30.768087	41.238325	34.888887
-28459.909	-42067.487	-66622.735	-47690.068	-39353.936	-35819.987	-22504.77	-26608.725	-34838.888	-59225.493	-60389.474
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-23.993173	-24.308141	-25.114474	-31.472752	-28.150079	-25.158777	-19.421633	-23.074339	-24.751303	-26.357275	-25.344451
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57050.4467	60047.4758	68850.5052	76850.3305	63796.2849	70829.0119	59688.7779	64181.525	58900.801	59383.6088	58689.6261
1393582.39	1497485.84	1768534.28	2145331.42	1750034.82	1789482.53	1342119.69	1552568.74	1527181.23	1783564.84	1747885.64
1909138.91	2294607.48	3168418.78	3667897.04	2730037.93	2511938.94	1484210.71	1962727.49	2165445.2	2918501.56	2807812.37
2163407.83	2907798.98	4391495.23	5032722.57	3445222.09	2918209.23	1176415.81	2042678.07	2557191	3921787.81	3663865.87
690028.462	803475.407	1061949.54	986695.87	832827.702	871272.895	681163.913	747202.428	755447.105	939681.416	937809.48
3.81	3.9	4.25	4.43	4.8	4.46	4.66	4.21	4.05	3.88	5.06
49110.8104	47390.2569	55473.9754	50889.7374	50244.3394	48740.4259	49023.3169	54774.6662	53266.5395	45932.618	55796.9156
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
1530475.61	1560260.12	1806490.31	2141281.44	1870855.49	1957297.22	1664460.11	1738985.84	1638407.23	1783643.7	1813309.88
60214.5297	61447.7288	69458.9832	77769.3192	65980.1386	74289.6743	64573.5735	68972.5825	61611.1486	60020.0189	59514.2702
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4549189.92	5211582.35	6724486.81	8853972.13	7033502.71	6463511.32	5019220.67	4755672.4	4832446.24	6093697.7	6006126.75
66703.6607	65285.8869	73679.7837	100443.89	84965.9647	89432.4312	69692.8039	79682.4832	73306.202	77229.4724	74189.757
21612.6117	22445.6948	25543.1992	25257.0552	21849.4926	26543.6983	26569.4815	25462.3425	21643.1386	18455.8209	18693.4622
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77
648454.407	696739.844	839373.575	1244015.3	983724.151	977298.424	924888.902	700441.933	610961.532	576772.5	563535.77

2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03	2037-04	2037-05	2037-06	2037-07
27.519864	30.519846	32.119869	33.529924	51.234745	46.704708	37.944648	35.834771	28.324719	29.574729	32.75476
20.725749	20.725787	20.725774	20.725812	21.139524	21.139574	21.13965	21.139549	21.139574	21.13965	21.139562
27.393982	30.393971	31.993984	33.404017	51.10688	46.576858	37.816822	35.706895	28.196864	29.44687	32.626889
27.490814	30.490798	32.090818	33.500868	51.205238	46.675204	37.91515	35.805261	28.295214	29.545223	32.725251
26.764569	29.764596	31.364563	32.774483	50.467552	45.937606	37.177692	35.067515	27.557591	28.807576	31.987531
27.045384	30.045394	31.645382	33.055352	50.752791	46.222811	37.462842	35.352777	27.842805	29.092799	32.272783
27.471448	30.471432	32.071452	33.481498	51.185566	46.655535	37.895484	35.785588	28.275544	29.525552	32.705579
27.510181	30.510163	32.110185	33.520239	51.22491	46.694873	37.934815	35.824934	28.314884	29.564894	32.744924

26.178358	26.178358	26.178358	26.178358	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925	26.701925
1.64	1.64	1.64	1.64	1.69	1.69	1.69	1.69	1.69	1.69	1.69
27.21	30.21	31.81	33.22	50.92	46.39	37.63	35.52	28.01	29.26	32.44
5.838418	5.924972	6.891573	7.681743	7.739256	7.759294	6.936781	6.320361	5.951719	5.967828	6.016632
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
22.732397	24.73961	25.88683	26.892691	38.780699	35.762366	29.853817	28.395798	23.358403	24.193087	26.317153
0.13894	0.27788	0.27788	0.41682		0.41682	0.55576	0.41682	0.13894	0.13894	0.13894
0.003101	0.0026	0.012959	0.009343		0.000808	0.000576	0.006594	0.000125	0.000048	0.001158
0.003101	0.0026	0.012435	0.008095		0.000808	0.000566	0.006594	0.000125	0.000048	0.001158
91.952029		20697.9449	12595.4481		330.641896		317.746833			847.694123
0.275931		73.690333	39.469903		1.001204		1.201152			2.465598
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
0.037526	0.028138	0.031153	0.034693	0.035465	0.037727	0.031122	0.027826	0.032004	0.026847	0.025558
372.3592	305.668	1617.2616	992.0316		88.9216	69.47	758.612399	16.6728	5.5576	136.1612
9747.75261	8001.88647	42337.2539	25969.7588		2374.37795	1854.98277	20256.4119	445.195865	148.398621	3635.76623
0.277683	0.555367	0.555367	0.83305		0.849957	1.133277	0.849957	0.283319	0.283319	0.283319
592.051128	486.01212	2571.44594	1577.33024		144.942208	113.2361	1236.53821	27.176664	9.058888	221.942756
8315.775	8221.95	9068.4	8514	8854.425	7621.2	8545.5	8049.6	9234.675	8057.7	8243.775
21.655664	21.866888	21.746762	21.719387	21.702022	21.651136	21.855498	21.873913	21.779893	21.895923	21.924933
8640	8460	9360	8820	9180	7920	8820	8280	9540	8280	8460
22.5	22.5	22.446043	22.5	22.5	22.5	22.557544	22.5	22.5	22.5	22.5
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
3.873035	7.769807	7.748435	11.620916		12.233203	15.927603	11.854913	3.951637	3.951637	3.951637
3.873035	7.769807	7.748435	11.620916		12.233203	15.927603	11.854913	3.951637	3.951637	3.951637
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
13014.1013	9842.8205	65466.0329	42582.8075		3005.06472	2257.72303	29349.9261	505.290807	161.935919	4634.63097
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979

13014.1013	9842.8205	65466.0329	42582.8075		3005.06472	2257.72303	29349.9261	505.290807	161.935919	4634.63097
14.2	9.13	11.47	14.13	9.65	15.02	11.37	14.12	10.68	12.7	14.84
10287.7837	8532.54649	24396.0588	15069.8948		2222.61686	1987.92417	21258.1953	474.196529	158.065509	3024.91087
12911.587	9842.8205	35457.6277	22490.98		2629.63315	2257.72303	28914.6357	505.290807	161.935919	3679.36422
0.198228	0.4	0.342058	0.382882		0.580149	0.8	0.592755	0.2	0.2	0.196277
26.562584	22	62.989501	38.879132		5.563278	5	53.795911	1.2	0.4	7.654828
387.303572		390.631382	394.928941		395.163774		395.163774			403.977774
3.873035		7.812627	7.898578		3.951637		3.951637			4.039777
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
0.069791	0.05851	0.279136	0.182142		0.018181	0.012787	0.148369	0.00283	0.001086	0.026063
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979
2634.36555	1310.27401	20372.0292	14917.4645		451.80596	269.798859	7773.98398	31.094278	3.870409	762.025979
0.237415		53.410498	32.520867		0.836721		0.804088			2.145171
91.952029		20697.9449	12595.4481		330.641896		317.746833			847.694123
0.2	0.32	0.46	0.09		0.07	0.09	0.33	0.04	0.02	0.17
-2634.3656	-1310.274	-20372.029	-14917.465		-451.80596	-269.79886	-7773.984	-31.094278	-3.870409	-762.02598
-15545.953	-11153.095	-55829.657	-37408.445		-3081.4391	-2527.5219	-36688.62	-536.38509	-165.80633	-4441.3902
		0.23	0.11							0.05
336.764	243.4024	1581.1275	1131.4251		102.3585	72.196	667.2622	15.0494	6.7669	161.8106
	0.01	0.01	0.01		0.02	0.01				
	11.8679	11.8679	11.8679		24.2106	12.1053				
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
10339.8037	8487.89859	44908.6998	27547.0891		2519.32016	1968.21887	21492.9501	472.372529	157.457509	3857.70899
26.8	22	116.4	71.4		6.4	5	54.6	1.2	0.4	9.8
	11.8679	11.8679	11.8679		24.2106	12.1053				
10379.7357	8532.54649	45094.0037	27665.343		2553.25876	1987.92417	21575.9421	474.196529	158.065509	3872.60499
39.932	32.78	173.436	106.386		9.728	7.6	82.992	1.824	0.608	14.896
2.63732	1.31866	1.03609	0.941899	5.18045	4.61531	3.95598	3.20246	2.44894	2.73151	4.05017
0.059582	0.042271	0.027883	0.032606	0.12795	0.12455	0.099805	0.06844	0.079911	0.069465	0.079984
0.058177	0.041914	0.027187	0.031989	0.12549	0.120994	0.096683	0.065652	0.077382	0.06769	0.076037
33284.6545	26616.8395	56111.2882	105564.519	246901.534	166684.071	73784.6494	15836.8474	23122.8631	43010.3764	123553.314
121.540079	108.163292	195.725345	321.710659	747.324933	532.657933	260.4272	63.13545	94.874955	144.923152	371.415347
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22

0.03276	0.029042	0.025264	0.023469	0.022107	0.028806	0.030127	0.030516	0.029834	0.029483	0.033164
12204.3867	8609.71952	6178.67562	6850.62708	27970.6624	23267.0022	20704.8458	13198.6563	17924.1686	13608.3828	15618.7742
109264.71	130317.971	152846.183	136223.463	287265.004	231729.203	166264.266	118205.361	137160.667	95180.3732	133284.831
2.039706	1.508403	1.916432	1.594325	3.991849	3.704082	2.828467	2.516733	1.800828	1.879588	2.940367
3432.34769	1558.93728	2616.69495	5369.52643	21668.3737	15242.558	8355.27993	1546.70755	2809.83458	5597.05186	13211.8048
21542.36	21174.64	23518.42	22202.4	23140.84	19827.88	22051.02	20692.66	23858.3	20714.7	21084.74
56.099895	56.315531	56.399088	56.638775	56.717745	56.329204	56.39647	56.230054	56.269575	56.289945	56.076436
22272	21808	24128	22736	23664	20416	22736	21344	24592	21344	21808
58	58	57.860911	58	58	58	58.148337	58	58	58	58
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
22.191201	15.767055	19.233584	16.161872	43.747898	40.163043	31.322294	27.375149	19.750197	20.851157	32.293862
22.191201	15.767055	19.233584	16.161872	43.747898	40.163043	31.322294	27.375149	19.750197	20.851157	32.293862
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
193967.75	192665.048	217504.091	221419.263	408031.363	382083.047	283224.976	279313.376	269887.873	176804.445	223926.312
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
193967.75	192665.048	217504.091	221419.263	408031.363	382083.047	283224.976	279313.376	269887.873	176804.445	223926.312
120.89	110.52	96.15	103.58	237.67	192.59	175	128.02	125.87	130.44	215.89
89597.3472	113278.466	103600.719	38250.3421	72238.0907	91465.5639	115947.159	117369.609	134361.936	67610.3745	27430.9299
142310.692	156185.05	140770.117	59259.0772	91776.2084	134699.224	172463.64	246181.832	227554.773	107199.188	38794.1202
12.984201	6.599934	4.634354	1.792441	10.741427	14.690407	16.929864	17.323889	13.055859	12.012385	5.316115
931.313196	748.570149	378.169727	157.24606	669.103803	851.942262	1311.13344	1237.06856	1604.66441	850.550053	255.544052
76.686236	123.010604	180.482398	165.426164	89.845531	88.455421	81.160541	85.047064	78.295232	75.480009	81.204962
19.144058	15.944421	19.853063	16.542616	45.731968	41.569537	30.023374	22.087928	18.790125	21.089084	34.91502
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
3.37427	2.431063	1.573093	1.855408	7.278431	7.01767	5.621994	3.807826	4.48816	3.926032	4.410159
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
71085.7481	52769.7433	57792.0844	77604.4021	88891.7385	123933.412	93493.168	146106.92	112403.074	66183.6939	72942.0684
364.406803	165.50985	277.810272	570.073939	2300.4962	1618.27774	887.06656	164.211439	298.315594	594.229946	1402.67595
33284.6545	26616.8395	56111.2882	105564.519	246901.534	166684.071	73784.6494	15836.8474	23122.8631	43010.3764	123553.314
8.78	8.27	4.86	2.42	15.23	10.64	12.47	7.4	9.57	6.97	4.71
-71085.748	-52769.743	-57792.084	-77604.402	-88891.739	-123933.41	-93493.168	-146106.92	-112403.07	-66183.694	-72942.068
-213396.44	-208954.79	-198562.2	-136863.48	-180667.95	-258632.64	-265956.81	-392288.75	-339957.85	-173382.88	-111736.19
1.67	0.98	1.32	3.04	17.65	7.83	3.29	0.39	0.57	2.55	9.24
5533.1273	3758.3635	3120.0756	4099.0032	16808.4864	13152.8393	10461.5488	5835.1042	7818.7404	6669.9555	9453.9913
0.26	0.13	0.08	0.05	0.66	0.38	0.26	0.24	0.24	0.2	0.19

141.804	70.902	43.632	27.27	367.1646	211.3978	144.6406	133.5144	133.5144	111.262	105.6989
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
109264.71	130317.971	152846.183	136223.463	287265.004	231729.203	166264.266	118205.361	137160.667	95180.3732	133284.831
1295.72	914.08	655.98	727.32	2969.6	2470.22	2198.2	1401.28	1902.98	1444.78	1658.22
141.804	70.902	43.632	27.27	367.1646	211.3978	144.6406	133.5144	133.5144	111.262	105.6989
122882.002	139895.305	159712.007	143814.861	319139.625	258149.635	189731.808	133206.457	157484.799	110620.751	150984.244
13475.488	9506.432	6822.192	7564.128	31507.456	26209.0342	23322.902	14867.5808	20190.6178	15329.1158	17593.7142
0.57		0.05	0.01	0.86	1.1	1.51	0.65	0.34	0.33	0.07
11.347277	11.342577	11.415699	11.377603	11.080499	11.165132	11.21547	11.274424	11.34877	11.303063	11.270715
0.504886	0.503957	0.472994	0.498479	0.64517	0.591825	0.567724	0.529169	0.499592	0.519326	0.531592
0.488346	0.486537	0.456767	0.481818	0.62357	0.570527	0.550751	0.510937	0.480216	0.501371	0.511525
813447.508	796651.197	895617.208	899272.315	1205077.71	949700.557	981346.379	778322.73	888642.5	825986.043	926517.803
3506.72968	3345.59734	3253.70932	2786.33012	3713.89931	3074.55758	3605.2663	3251.59407	3730.82169	3291.84002	3029.28616
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
0.034218	0.035292	0.036442	0.034413	0.034803	0.033693	0.031275	0.034565	0.039433	0.036358	0.037898
232900.047	227347.22	237851.743	234988.319	307957.935	245252.102	264740.033	232323.007	253149.06	228376.945	237392.232
387340.141	377953.643	394389.276	390153.277	529097.194	420177.144	453850.394	397803.625	433649.451	391795.808	408243.472
3.6364	3.6364	3.6364	3.6364	3.710999	3.711	3.711	3.711	3.711	3.711	3.711
464961.654	453875.991	474847.219	469130.68	622382.987	495654.498	535039.607	469524.796	511614.25	461549.806	479769.701
41165.46	40263.03	44493.24	42014.61	43711.8	37755.54	42151.14	39436.08	45208.08	39362.82	40154.25
107.201718	107.082526	106.698417	107.180127	107.136764	107.260056	107.803427	107.16326	106.62283	106.964184	106.793218
42624	41736	46176	43512	45288	39072	43512	40848	47064	40848	41736
111	111	110.733812	111	111	111	111.283887	111	111	111	111
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
43.807937	43.759904	44.061327	43.863914	43.533592	43.880936	44.104696	44.339153	44.768405	44.489823	44.348006
43.235445	43.217523	43.492166	43.349243	43.123678	43.441062	43.628339	43.85001	44.127333	43.954344	43.831264
903766.538	881646.347	921358.546	910416.617	1219101.2	969401.867	1046940.75	918432.62	1003861.31	904511.699	940735.353
864922.712	921907.736	1108725.78	1078595.74	1901982.65	1447692.77	1268958.29	1098647.99	977869.122	868102.989	1006517.41
-38843.826	40261.3889	187367.23	168179.125	682881.455	478290.907	222017.54	180215.371	-25992.187	-36408.71	65782.0579
864922.712	921907.736	1108725.78	1078595.74	1901982.65	1447692.77	1268958.29	1098647.99	977869.122	868102.989	1006517.41
370.86	362.73	400.84	378.51	393.8	340.14	379.74	355.28	407.28	354.62	361.75
80434.9305	75741.9499	15752.0874	1891.10224	3941.98406	11550.3102	56370.871	131529.889	102670.56	69087.6559	4994.05031
170660.763	186076.053	56173.1241	4675.063	7695.19712	26878.6936	105979.73	316542.728	227994.094	127020.451	8934.14403

13.941688	13.471866	6.185109	2.184222	5.02284	8.22885	15.111576	22.249169	14.731899	13.523517	3.708038
1928.71601	1818.94757	378.845725	45.691584	94.104077	274.993728	1335.86492	3113.35079	2419.60904	1623.89252	116.25432
19.30586	20.749903	22.670472	26.411103	45.42712	34.428696	27.70057	22.792699	19.008887	22.585772	25.948306
19.288148	20.728381	22.666569	26.410275	45.424685	34.424149	27.677366	22.73492	18.983284	22.551193	25.946533
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
54.20651	54.005648	50.57964	53.481857	69.216303	63.328534	61.289754	56.714054	53.304037	55.652288	56.779377
-160580.68	-78573.003	63042.1243	45350.7311	521911.842	350097.633	83637.9242	58780.1359	-158313.2	-155781.34	-58302.862
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18886.584	18487.1764	20712.8643	20919.1964	28146.1479	22016.6503	22628.4291	17757.4212	20181.303	18856.1495	21232.7917
813447.508	796651.197	895617.208	899272.315	1205077.71	949700.557	981346.379	778322.73	888642.5	825986.043	926517.803
18.16	18	7.96	1.93	3.85	6.49	15.25	18.14	12.54	11.52	3.01
38843.826	-40261.389	-187367.23	-168179.13	-682881.45	-478290.91	-222017.54	-180215.37	25992.1873	36408.71	-65782.058
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304.47	299.98	362.97	353.61	328.84	280.22	299.75	272.98	328.19	289.97	316.04
83962.6096	84320.8992	107658.328	119616.442	124750.741	102738.387	100797.762	82586.3188	94235.8927	87033.3628	107658.875
0.94	0.88	0.95	0.88	0.94	0.76	0.86	0.8	1.17	0.88	0.86
9884.1	9253.2	9989.25	9253.2	10081.5	8151	9223.5	8580	12548.25	9438	9223.5
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
852301.795	831829.634	869236.496	859283.957	1151480.18	915831.642	988890.001	867328.422	945263.702	853345.613	888013.172
20815.3	20306.124	21091.71	20964.888	28240.252	22291.644	23964.294	20870.772	22600.912	20480.042	21349.046
9884.1	9253.2	9989.25	9253.2	10081.5	8151	9223.5	8580	12548.25	9438	9223.5
1025503.39	1000480.74	1045683.65	1033245.01	1380070.81	1097595.14	1185320.37	1039867.86	1136182.32	1023884.33	1064820.27
41580.6433	40563.5133	42132.7999	41879.4603	57539.5135	45419.2247	48827.249	42524.198	46049.3582	41728.0856	43498.6812
16.47	20.69	6.25	1.15	2.94	4.13	18.92	30.66	22.35	18.77	3.12
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.002968	0.001702	0.012824	0.009896		0.000751	0.000409	0.006521	0.000047		0.000718
0.002968	0.001569	0.012139	0.008239		0.000738	0.000408	0.006521	0.000047		0.000718
		1749.30627	1660.96743		12.704951					63.524757
		6.182305	5.190051		0.03958					0.184193
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
0.034088	0.025611	0.030649	0.033571	0.034485	0.032073	0.033647	0.02807	0.027806	0.032472	0.037367
51.3	26.55	227.25	145.35		11.7	7.2	108	0.9		12.15

1342.94979	695.035416	5949.03196	3805.0244		312.412529	192.253864	2883.80797	24.031733		324.428396
0.277096	0.554193	0.554193	0.831289		0.846996	1.129329	0.846996	0.282332		0.282332
78.555689	40.656015	347.987924	222.574455		17.91621	11.02536	165.380399	1.37817		18.605295
1112.73	1099.11	1209.75	1136.52	1181.79	1022.13	1136.43	1073.01	1236.63	1068.15	1085.85
2.897734	2.923164	2.901079	2.899285	2.896544	2.903778	2.90647	2.915788	2.91658	2.902581	2.887898
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1710.54627	848.499429	8794.20102	5844.09638		375.389933	227.920436	3993.58929	26.378016		425.033857
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
1710.54627	848.499429	8794.20102	5844.09638		375.389933	227.920436	3993.58929	26.378016		425.033857
1.14	0.59	5.05	3.23		0.26	0.16	2.4	0.02		0.27
1421.50548	735.691431	4547.71361	2366.63143		317.623788	203.279224	3049.18837	25.409903		279.508933
1710.54627	848.499429	6430.53554	3307.87471		361.6977	227.920436	3993.58929	26.378016		351.837528
0.03	0.06	0.059177	0.059585		0.09	0.12	0.09	0.03		0.03
3.42	1.77	10.941344	5.693878		0.75	0.48	7.2	0.06		0.66
		415.644876	415.644876							
		8.312897	8.312897							
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81
0.008906	0.004707	0.03633	0.024719		0.002215	0.001227	0.019565	0.000141		0.002154
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
289.040787	112.807997	2497.18114	1816.49753		45.061193	24.641211	944.400926	0.968113		82.000166
		4.208655	3.996121		0.03					0.15
		1749.30627	1660.96743		12.704951					63.524757
-289.04079	-112.808	-2497.1811	-1816.4975		-45.061193	-24.641211	-944.40093	-0.968113		-82.000166
-1999.5871	-961.30743	-8927.7167	-5124.3722		-406.75889	-252.56165	-4937.9902	-27.346129		-433.8377
287.4788	126.1661	1365.3924	1034.9586		83.5438	45.5276	587.6858	5.004		89.6014
0.25	0.16	0.6	0.18		0.13	0.09	0.4	0.01		0.06
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
3.42	1.77	15.15	9.69		0.78	0.48	7.2	0.06		0.81

1421.50548	735.691431	6297.01988	4027.59886		330.328739	203.279224	3049.18837	25.409903		343.033691
12.21844	12.195842	12.306521	12.263002	11.714172	11.851069	11.938602	12.045054	12.223329	12.110353	12.070952
0.527613	0.530942	0.501044	0.524475	0.697157	0.631487	0.610219	0.571087	0.525544	0.558945	0.563631
0.501492	0.502095	0.475384	0.5019	0.664253	0.59863	0.578764	0.540903	0.497978	0.537533	0.537004
286262.925	280292.397	296037.801	292768.643	395013.77	310707.889	336574.623	297830.558	320494.597	297821.513	303451.494
1241.87254	1183.31143	1076.57265	907.112089	1217.90286	1006.1903	1240.71859	1251.58079	1349.27251	1199.59448	992.926246
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
0.051796	0.055505	0.053485	0.041607	0.047034	0.053181	0.051556	0.054021	0.051674	0.040298	0.048191
98852.2595	96789.7591	102456.595	101209.321	133532.188	105067.319	113835.011	100822.918	108574.636	100650.115	102522.676
164437.566	160995.858	169873.032	168061.931	228659.434	179958.43	194995.301	172541.943	185755.635	172798.665	176078.734
2.763499	2.763499	2.763499	2.7635	2.8206	2.8206	2.8206	2.8206	2.8206	2.8206	2.8206
111060.514	108743.294	115109.985	113708.672	150971.491	118789.11	128701.864	113990.392	122754.484	113795.021	115912.137
15656.73	15270.59	16931.25	16154.67	16718.83	14331.04	15986.97	14969.16	17289.87	15186.31	15388.84
40.772734	40.613271	40.602517	41.210892	40.977524	40.713181	40.887391	40.677065	40.777995	41.267146	40.927765
16512	16168	17888	16856	17544	15136	16856	15824	18232	15824	16168
43	43	42.896882	43	43	43	43.109974	43	43	43	43
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
36.036223	35.976468	36.310187	36.069362	34.975639	35.662539	35.802468	36.143561	36.627206	36.270851	36.300703
35.021195	34.955751	35.274403	35.148312	34.313579	34.697181	34.942441	35.245297	35.753173	35.425565	35.314398
293334.816	287156.291	303421.687	299216.543	401219.357	317815.142	343840.993	304301.34	327442.732	303708.864	310293.551
339263.087	365694.323	420965.713	430860.801	743234.356	557776.468	492802.2	433863.624	376598.333	346650.923	397054.958
45928.2708	78538.0319	117544.026	131644.258	342014.999	239961.326	148961.207	129562.284	49155.6008	42942.0588	86761.4066
339263.087	365694.323	420965.713	430860.801	743234.356	557776.468	492802.2	433863.624	376598.333	346650.923	397054.958
364.11	355.13	393.75	375.69	388.81	333.28	371.79	348.12	402.09	353.17	357.88
21.862394	22.4647	18.073148	17.170059	46.749117	41.641351	32.398956	28.536806	24.256271	23.79505	22.91509
7.21459	7.862645	4.156824	4.979317	13.557244	11.659578	9.071707	8.846409	7.034318	6.186713	5.728772
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
21.564192	21.590106	20.392517	21.581709	28.562916	25.741107	24.950511	23.258858	21.413089	23.11394	23.091196
-5741.8053	27946.0248	63989.9633	78742.1455	272217.725	185042.639	89459.6461	76862.1444	-7596.3616	-9667.7565	33172.804
-5741.8053	27946.0248	63989.9633	78742.1455	272217.725	185042.639	89459.6461	76862.1444	-7596.3616	-9667.7565	33172.804

8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
286262.925	280292.397	296037.801	292768.643	395013.77	310707.889	336574.623	297830.558	320494.597	297821.513	303451.494
-45928.271	-78538.032	-117544.03	-131644.26	-342015	-239961.33	-148961.21	-129562.28	-49155.601	-42942.059	-86761.407
-45928.271	-78538.032	-117544.03	-131644.26	-342015	-239961.33	-148961.21	-129562.28	-49155.601	-42942.059	-86761.407
4.42	3.58	2.9	3.29	2.85	2.38	3.32	3.18	2.65	3.09	2.52
81362.3968	81009.227	104345.946	117185.439	122277.57	98657.0969	97243.021	79517.1648	92263.0639	85994.5329	105377.079
1.36	1.32	1.42	1.24	1.17	1.34	1.37	1.22	1.31	1.11	1.29
7071.8912	6863.8944	7383.8864	6447.9008	6205.5864	7107.2528	7266.3704	6470.7824	6948.1352	5887.3512	6842.0568
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
275498.08	269739.153	284983.017	281770.604	379630.926	298747.541	323697.165	286532.335	308510.119	286593.685	291990.871
8280.65	8117.88	8503.68	8460.03	11653.67	9060.87	9755.65	8559.26	9079.15	8505.93	8682.29
7071.8912	6863.8944	7383.8864	6447.9008	6205.5864	7107.2528	7266.3704	6470.7824	6948.1352	5887.3512	6842.0568
345004.892	337748.298	356975.75	352118.656	471016.631	372733.829	403342.554	357001.48	384194.695	356318.679	363882.154
10764.845	10553.244	11054.784	10998.039	15382.8444	11960.3484	12877.458	11298.2232	11984.478	11227.8276	11460.6228
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.003285	0.001764	0.012611	0.009861		0.000797	0.000409	0.00688	0.000047		0.000718
0.002968	0.001755	0.012043	0.009846		0.000795	0.000408	0.006277	0.000047		0.000718
		1925.79819	1694.77727		12.704951					63.524757
		6.735947	5.313422		0.03958					0.184193
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
0.025442	0.027047	0.031971	0.030663	0.029166	0.035	0.030076	0.029429	0.021014	0.036711	0.043191
51.3	29.7	225.45	173.7		12.6	7.2	103.95	0.9		12.15
1342.94979	777.497245	5901.91091	4547.18086		336.444262	192.253864	2775.66517	24.031733		324.428396
0.277096	0.554193	0.554193	0.831289		0.846996	1.129329	0.846996	0.282332		0.282332
78.555689	45.47961	345.231584	265.98681		19.29438	11.02536	159.178635	1.37817		18.605295
1122.69	1097.49	1208.1	1139.94	1188.3	1019.04	1140.63	1071.51	1245.27	1063.47	1079.28
2.923671	2.918856	2.897122	2.90801	2.9125	2.895	2.917212	2.911711	2.936957	2.889864	2.870425
1152	1128	1248	1176	1224	1056	1176	1104	1272	1104	1128
3	3	2.992805	3	3	3	3.007672	3	3	3	3
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983

4.156448	8.312897	8.312897	12.469346		12.704951	16.939935	12.704951	4.234983		4.234983
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1710.54627	946.85682	8647.29909	6975.79918		401.297058	227.920436	3862.19424	26.378016		425.033857
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
1710.54627	946.85682	8647.29909	6975.79918		401.297058	227.920436	3862.19424	26.378016		425.033857
1.14	0.66	5.01	3.86		0.28	0.16	2.31	0.02		0.27
1421.50548	822.976855	4321.34431	3118.3904		343.033691	203.279224	2934.8438	25.409903		279.508933
1710.54627	946.85682	6030.05412	4404.50066		387.604824	227.920436	3862.19424	26.378016		351.837528
0.03	0.06	0.058812	0.05951		0.09	0.12	0.09	0.03		0.03
3.42	1.98	10.396722	7.502535		0.81	0.48	6.93	0.06		0.66
		415.644876	415.644876							
		8.312897	4.156448							
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
0.008906	0.005265	0.036043	0.02954		0.002386	0.001227	0.018831	0.000141		0.002154
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
289.040787	123.879964	2400.1566	2162.63151		45.558415	24.641211	927.350433	0.968113		82.000166
		4.633277	4.077464		0.03					0.15
		1925.79819	1694.77727		12.704951					63.524757
0.12	0.01	0.01	0.01		0.03		0.04			
-289.04079	-123.87996	-2400.1566	-2162.6315		-45.558415	-24.641211	-927.35043	-0.968113		-82.000166
-1999.5871	-1070.7368	-8430.2107	-6567.1322		-433.16324	-252.56165	-4789.5447	-27.346129		-433.8377
287.4788	142.1854	1369.0379	1233.4448		89.4995	45.5276	568.1185	5.004		89.6014
0.25	0.19	0.62	0.2		0.15	0.09	0.37	0.01		0.06
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
3.42	1.98	15.03	11.58		0.84	0.48	6.93	0.06		0.81
1421.50548	822.976855	6247.1425	4813.16767		355.738642	203.279224	2934.8438	25.409903		343.033691
2.702443	1.13137	0.987958	0.851535	5.922148	5.9572	4.67228	2.706301	2.422437	2.991118	5.245989
0.027438	0.015996	0.007819	0.014358	0.036497	0.060884	0.04963	0.042886	0.050823	0.03849	0.03759
0.026953	0.014425	0.007716	0.014132	0.034867	0.058198	0.048867	0.042331	0.049839	0.038293	0.036569
7953.18438	3517.67303	3733.53105	24327.0442	33827.5176	34332.3327	14599.4085	4232.49774	4231.05143	12028.9577	46837.8695
26.871396	14.261339	12.478447	73.65543	100.792918	108.411557	51.695206	16.864133	16.915944	38.373011	133.249613

517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
0.035182	0.029547	0.024026	0.029502	0.027144	0.031321	0.024477	0.0361	0.033384	0.027907	0.028843
7422.3	3880.8	2274.9	3963.8	10091.7	14696.3	13725.4	11261.3	15228.6	10139.8	9861.1
75014.4869	55094.5955	60926.1899	93527.4767	89582.2116	135505.143	109782.883	108317.425	117642.536	69224.7497	85476.363
1.356101	1.027944	1.279533	0.802609	2.738837	2.885023	1.9315	1.377782	1.183461	1.29937	2.611559
841.862682	249.94099	241.098252	1340.05324	4002.42287	3859.65387	2347.57655	376.718157	632.599044	1907.96517	5878.60361
18469	18243.6	20303.1	19032.1	19853.3	17042.9	19142	17697.8	20569.2	17912.9	18278.3
48.096354	48.520212	48.688489	48.551275	48.660049	48.417329	48.956521	48.091847	48.512264	48.676358	48.6125
19200	18800	20800	19600	20400	17600	19600	18400	21200	18400	18800
50	50	49.880095	50	50	50	50.127877	50	50	50	50
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
36.65567	24.178166	37.276497	23.347445	64.085449	73.941452	48.627837	38.387848	32.212431	35.736548	63.16151
19.408267	14.611556	18.184965	11.466971	39.160867	41.262008	27.454337	19.739197	16.948498	18.588695	37.237166
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
107067.525	67553.5256	72346.0356	113968.808	106415.918	182069.771	150941.069	201797.14	178464.252	103511.948	116886.679
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
107067.525	67553.5256	72346.0356	113968.808	106415.918	182069.771	150941.069	201797.14	178464.252	103511.948	116886.679
173.38	157.26	131.14	151.94	297.6	310.51	304.21	202.71	195.59	205.75	344.97
67236.7795	51659.8345	57265.0998	69248.9965	56137.92	101553.976	95432.3828	104319.342	113739.399	57353.535	38806.2025
96313.1586	63376.8048	68066.7846	83852.2208	66187.2449	134342.139	131352.318	193417.145	171100.572	85227.7102	52193.7407
4.383163	1.579898	1.564372	1.070408	6.113754	7.129465	6.851955	4.440868	3.941452	4.218776	3.998566
458.06375	253.434875	143.278696	182.247228	427.808096	752.006986	791.400433	752.418055	1011.66888	569.772249	273.620509
123.559388	223.016038	292.094631	212.468912	103.454982	119.661842	104.412017	137.186276	111.716579	102.022054	113.34302
14.761886	6.690481	17.514577	12.748134	38.097169	40.673027	24.932987	12.346764	13.405989	19.380464	41.932084
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
1.347656	0.721276	0.384892	0.706632	1.743382	2.909943	2.449616	2.116576	2.491981	1.914673	1.828457
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
31877.5614	12376.0181	11347.4048	20392.7678	16450.4808	46183.4628	40909.2772	93245.3003	60493.8017	34129.4549	31242.6071
59.436249	17.765124	17.221303	94.752771	283.491903	272.293013	166.399566	26.481944	44.931116	134.82775	413.87949
7953.18438	3517.67303	3733.53105	24327.0442	33827.5176	34332.3327	14599.4085	4232.49774	4231.05143	12028.9577	46837.8695
6.2	3.51	1.95	3.3	6.7	12.92	12.74	10.81	17.01	10.36	6.58
-31877.561	-12376.018	-11347.405	-20392.768	-16450.481	-46183.463	-40909.277	-93245.3	-60493.802	-34129.455	-31242.607
-128190.72	-75752.823	-79414.189	-104244.99	-82637.726	-180525.6	-172261.59	-286662.45	-231594.37	-119357.17	-83436.348
0.43	0.07	0.14	0.61	2.12	2.07	0.56	0.17	0.15	0.92	3.8
4459.3391	2113.944	1306.315	2969.4933	6960.4669	10605.4788	8810.5063	6852.859	8912.9648	6573.2878	7797.5737

0.11	0.06	0.08	0.01	0.4	0.22	0.1	0.07	0.13	0.03	0.07
87.418	41.192	58.584	5.95	315.586	200.742	88.7	53.687	106.907	18.207	48.085
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
75014.4869	55094.5955	60926.1899	93527.4767	89582.2116	135505.143	109782.883	108317.425	117642.536	69224.7497	85476.363
517.5	271.2	160.5	277	711.3	1024.3	957.8	778.9	1056.6	704.6	687.5
87.418	41.192	58.584	5.95	315.586	200.742	88.7	53.687	106.907	18.207	48.085
75189.9639	55177.5075	60998.6309	93576.0407	89965.4376	135886.309	110031.791	108551.84	117970.451	69382.4927	85644.072
88.059	41.72	13.857	42.614	67.64	180.424	160.208	180.727999	221.007999	139.536	119.624
0.08		0.08	0.03	0.58	0.69	0.47		0.04	0.11	0.07
0.15	0.3	0.3	0.45		0.45	0.6	0.45	0.15		0.15
0.002947	0.001702	0.012932	0.009821		0.000757	0.000419	0.006524	0.000054		0.000718
0.002656	0.001702	0.012932	0.009821		0.00071	0.000408	0.006413	0.000047		0.000718
		2378.25466	2155.9507		16.996155					73.656231
		8.315377	6.780365		0.052949					0.213757
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
0.02625	0.033563	0.034615	0.036096	0.039362	0.021818	0.022474	0.028695	0.041344	0.034673	0.035984
61.2	38.4	322.8	231		15	9.6	141.6	1.2		16.2
1602.11554	1005.24896	8450.37411	6047.2008		400.528884	256.338485	3780.99267	32.04231		432.571195
0.277715	0.555431	0.555431	0.833146		0.849807	1.133077	0.849807	0.283269		0.283269
97.50384	61.17888	514.28496	368.0292		24.375	15.6	230.1	1.95		26.325
1495.68	1453.52	1606.4	1511.4	1567.76	1377.28	1532.76	1429.76	1625.88	1420.96	1449.88
3.895	3.865744	3.852278	3.855612	3.842549	3.912727	3.920102	3.885217	3.834622	3.861304	3.856063
1536	1504	1664	1568	1632	1408	1568	1472	1696	1472	1504
4	4	3.990407	4	4	4	4.01023	4	4	4	4
4.08	2.56	21.52	15.4		1	0.64	9.44	0.08		1.08
4.165733	8.331467	8.331467	12.497201		12.747116	16.996155	12.747116	4.249038		4.249038
4.165733	8.331467	8.331467	12.497201		12.747116	16.996155	12.747116	4.249038		4.249038
1699.61938	1066.42784	8964.65907	6415.23		424.903884	271.938485	4011.09267	33.99231		458.896195
2071.41088	1229.21205	12479.343	9284.41012		484.107176	303.893915	5256.90548	35.170688		566.71181
371.791502	162.784208	3514.68392	2869.18012		59.203291	31.955429	1245.81281	1.178377		107.815615
2071.41088	1229.21205	12479.343	9284.41012		484.107176	303.893915	5256.90548	35.170688		566.71181
1.02	0.64	5.38	3.85		0.25	0.16	2.36	0.02		0.27
1699.61938	1066.42784	6586.40441	4259.2793		407.907728	271.938485	4011.09267	33.99231		385.239963

2071.41088	1229.21205	9266.57481	6015.61411	465.850865	303.893915	5256.90548	35.170688	480.924471		
0.04	0.08	0.078793	0.079286	0.12	0.16	0.12	0.04	0.039419		
4.08	2.56	15.81091	10.224559	0.96	0.64	9.44	0.08	0.906652		
		464.691304	460.88129	456.673309				484.561844		
		9.293826	9.217625	4.566733				4.845618		
4.08	2.56	21.52	15.4	1	0.64	9.44	0.08	1.08		
0.010625	0.006808	0.051606	0.039285	0.00284	0.001636	0.025652	0.000188	0.002872		
371.791502	162.784208	3514.68392	2869.18012	59.203291	31.955429	1245.81281	1.178377	107.815615		
371.791502	162.784208	3514.68392	2869.18012	59.203291	31.955429	1245.81281	1.178377	107.815615		
		5.709089	5.17544	0.04				0.173347		
		2378.25466	2155.9507	16.996155				73.656231		
1.02	0.57	1.37	0.66	0.22	0.16	2.36	0.02	0.23		
-371.7915	-162.78421	-3514.6839	-2869.1801	-59.203291	-31.955429	-1245.8128	-1.178377	-107.81562		
-2443.2024	-1391.9963	-12781.259	-8884.7942	-525.05416	-335.84934	-6502.7183	-36.349065	-588.74009		
		0.52	0.21	0.01				0.04		
256.658	137.6962	1464.504	1230.1967	80.2259	45.5276	577.5929	5.004	89.6014		
0.22	0.18	0.65	0.2	0.12	0.09	0.4	0.01	0.06		
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195		
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195		
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195		
4.08	2.56	21.52	15.4	1	0.64	9.44	0.08	1.08		
1699.61938	1066.42784	8964.65907	6415.23	424.903884	271.938485	4011.09267	33.99231	458.896195		
10.924667	10.913906	11.027455	10.983179	10.577156	10.680792	10.744449	10.81986	10.942657	10.873096	10.819777
0.353164	0.350023	0.3157	0.344947	0.52037	0.462647	0.428889	0.393792	0.348342	0.370696	0.388321
0.331962	0.326356	0.300872	0.327725	0.49593	0.438485	0.40278	0.373741	0.326876	0.351924	0.366442
296400.017	285492.974	294111.372	299254.369	466542.896	358509.967	368716.468	323785.81	329400.894	306545.856	325507.889
1284.17481	1204.88127	1067.56112	927.221509	1438.04953	1162.20017	1354.18193	1355.9704	1386.202	1231.77896	1060.53232
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
0.058489	0.070345	0.043966	0.050841	0.048382	0.055681	0.062653	0.055326	0.063702	0.052201	0.057845
79058.1997	76077.657	78565.0298	79802.7594	121780.681	93687.5219	96334.9032	84573.5829	86084.3385	79999.9679	84793.1837
132785.286	127829.868	131334.653	133846.804	210741.622	161785.92	166584.414	146348.569	148829.322	138740.652	147522.76
3.649499	3.649499	3.649499	3.649499	3.7243	3.724299	3.724299	3.724299	3.724299	3.724299	3.724299
158867.452	152878.052	157876.427	160363.645	247738.439	190588.526	195974.094	172048.04	175121.37	162743.935	172494.774
21186.244	20483.63	23305.806	21803.302	22752.036	19478.64	21531.984	20371.704	23263.614	20439.094	20759.05

55.17251	54.477739	55.889223	55.620668	55.764794	55.337045	55.069012	55.357891	54.867014	55.541016	55.210239
22502.4	22033.6	24377.6	22971.2	23908.8	20627.2	22971.2	21564.8	24846.4	21564.8	22033.6
58.599999	58.599999	58.459472	58.599999	58.599999	58.6	58.749872	58.599999	58.599999	58.599999	58.599999
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
46.92739	48.116908	46.311673	47.184311	44.688484	45.991838	46.898479	46.556554	48.593566	47.428791	46.795924
40.507824	40.466202	40.891401	40.725215	40.034743	40.421235	40.659186	40.943019	41.401281	41.137086	40.937876
329686.567	322801.301	323143.531	330160.033	504082.662	390289.273	405908.591	352994.557	368938.331	339131.564	357994.225
373240.138	408122.668	470602.542	509743.143	856151.362	667877.488	560933.14	515725.315	433789.748	374386.66	450250.038
43553.5711	85321.3666	147459.011	179583.11	352068.699	277588.215	155024.549	162730.758	64851.4171	35255.0956	92255.8132
373240.138	408122.668	470602.542	509743.143	856151.362	667877.488	560933.14	515725.315	433789.748	374386.66	450250.038
361.54	349.55	397.71	372.07	388.26	332.4	367.44	347.64	396.99	348.79	354.25
257.596099	32.793138	13.863263			14.88853	133.635787	91.364449	72.555367	99.371828	
1457.11386	71.011743	18.788477			16.343122	168.064156	289.588706	122.204412	173.792127	
1.224685	0.572099	0.323733			0.257491	0.780882	1.321051	1.176952	0.97516	
6.442557	0.789	0.323733			0.384983	3.552487	2.252646	1.674283	2.434934	
24.157433	26.734542	30.672452	29.696494	46.595222	40.398156	32.341847	24.788938	20.064532	25.61026	27.02697
19.084254	22.186671	25.458135	25.83595	38.674034	33.118602	27.476326	19.826926	16.854207	21.000413	22.162115
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052
19.453026	19.12451	17.588872	19.204688	29.061544	25.695227	23.663294	21.901239	19.154957	20.622766	21.473542
2229.85005	45555.5753	106393.07	137870.208	288413.937	228617.748	104670.295	118524.146	19855.1334	-6560.8877	47934.4161
2229.85005	45555.5753	106393.07	137870.208	288413.937	228617.748	104670.295	118524.146	19855.1334	-6560.8877	47934.4161
7463.51944	7190.027	7334.23627	7528.238	11857.11	9044.33502	9248.79551	8057.40335	8120.02772	7586.74307	8074.052
296400.017	285492.974	294111.372	299254.369	466542.896	358509.967	368716.468	323785.81	329400.894	306545.856	325507.889
0.04	0.02	0.02				0.01	0.01	0.05	0.03	
-43553.571	-85321.367	-147459.01	-179583.11	-352068.7	-277588.22	-155024.55	-162730.76	-64851.417	-35255.096	-92255.813
-45010.685	-85392.378	-147477.8	-179583.11	-352068.7	-277604.56	-155192.61	-163020.35	-64973.622	-35428.888	-92255.813
17.4	17.39	22.88	19.23	18.64	15.75	16.98	17.83	24.32	19.34	21.79
75834.4545	74732.3972	100556.119	109279.128	113733.748	93202.4594	89994.6956	75823.1098	85960.0883	80024.9936	98612.558
1.4	1.58	1.23	1.31	1.56	1.32	1.54	1.21	1.64	1.35	1.35
33028.9546	37275.5344	29018.2958	30905.6646	37539.7661	31764.4174	37058.487	29117.3827	39464.8823	32486.336	32486.336
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
291652.738	280707.92	289211.08	294210.449	458480.062	352374.446	362558.507	318396.609	323950.692	301484.587	320017.533
7469.962	7190.816	7334.56	7528.238	11857.11	9044.72	9252.348	8059.656	8121.702	7589.178	8074.052

33028.9546	37275.5344	29018.2958	30905.6646	37539.7661	31764.4174	37058.487	29117.3827	39464.8823	32486.336	32486.336
371010.288	362567.092	364209.472	371872.936	567737.424	439259.741	456262.845	397201.169	413934.615	380947.547	402315.622
5004.87454	4817.84672	4914.1552	5043.91946	8062.8348	6150.4096	6291.59664	5480.56608	5522.75736	5160.64104	5490.35536
0.04	0.02	0.01				0.04	0.06	0.06	0.05	
2.55	0.9	1.05	0.9	4.05	5.25	4.2	2.4	2.1	2.85	4.65
0.02489	0.013126	0.006081	0.01326	0.029126	0.055838	0.044879	0.040656	0.048423	0.036251	0.033367
0.024088	0.013111	0.006081	0.013061	0.028799	0.053551	0.043341	0.039945	0.047594	0.035326	0.03218
1338.97351	593.034295	246.758317	4558.85008	5688.67709	5723.51331	2284.84025	697.876241	746.205908	2025.39811	8999.68536
4.475057	2.343966	0.847419	13.410517	16.997124	17.968002	8.163675	2.754332	2.984413	6.358297	25.183587
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
0.036223	0.035877	0.032908	0.023647	0.023333	0.030625	0.039489	0.039239	0.030023	0.026576	0.027526
1942.5	1035.3	531.3	1075.2	2467.5	3958.5	3567.9	3087	4237.8	2730	2541
19943.5577	14602.8718	15433.4055	26679.1343	22297.1499	36295.0549	28774.4528	30063.3509	32900.1391	18777.0504	22155.4932
1.231517	0.642915	1.267209	0.800128	1.856798	2.655494	1.688721	1.205082	0.968013	1.119018	2.132318
145.290483	51.235226	22.279538	228.457146	633.56196	639.217215	406.604726	56.423458	108.644004	317.817312	1132.09223
5181.26	5075.14	5632.34	5358.22	5578.72	4777.08	5271.28	4949.84	5757.78	5015.08	5119.1
13.492864	13.497712	13.50681	13.668928	13.673333	13.57125	13.481534	13.450652	13.579669	13.627934	13.614627
5376	5264	5824	5488	5712	4928	5488	5152	5936	5152	5264
14	14	13.966426	14	14	14	14.035805	14	14	14	14
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
18.623047	9.647875	19.064867	12.001925	28.509482	40.314237	25.641626	18.101667	14.581277	16.804383	32.165654
18.623047	9.647875	19.064867	12.001925	28.509482	40.314237	25.641626	18.101667	14.581277	16.804383	32.165654
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
28135.2424	17637.2751	17969.3282	31638.3794	26179.325	48342.6936	38992.2509	55357.9222	48889.1491	27718.6239	30112.2809
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
28135.2424	17637.2751	17969.3282	31638.3794	26179.325	48342.6936	38992.2509	55357.9222	48889.1491	27718.6239	30112.2809
115.25	92.24	84.16	84.76	171.4	175.61	151.51	104.1	127.57	114.88	184.62
18657.0842	14020.3375	15207.6472	22120.2843	16786.9728	30718.5416	26573.6125	29386.4746	32227.4332	16772.6523	13197.8079
26391.3028	16983.4684	17711.4375	26058.1746	19501.1138	40328.1434	35949.554	54019.9826	47545.623	24698.2268	17747.5321
2.361368	0.694695	0.977334	0.672842	3.121093	4.804157	3.602708	2.226111	1.937638	2.545516	2.882845
119.813967	65.604318	33.934697	56.449523	122.262535	221.285518	210.753018	202.038436	275.277066	160.812179	93.927184
122.457242	237.639123	199.067875	207.774879	125.381721	131.71678	125.664212	155.798425	107.907702	92.046085	108.79156
13.470296	7.129173	3.981357	12.466492	21.275469	32.929195	18.724861	4.673952	5.395385	13.806912	32.637468
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4

0.337239	0.183563	0.08494	0.182857	0.403186	0.749715	0.608337	0.559239	0.66632	0.494565	0.450531
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
8139.18472	3023.90333	2514.92267	4959.24511	3703.67502	11900.6387	10133.7981	25273.5713	15915.51	8920.57356	7914.78765
9.686032	3.415681	1.485302	15.230476	42.237464	42.614481	27.106981	3.761563	7.242933	21.18782	75.472815
1338.97351	593.034295	246.758317	4558.85008	5688.67709	5723.51331	2284.84025	697.876241	746.205908	2025.39811	8999.68536
3.21	1.89	1.45	1.89	5.35	5.57	5.56	2.79	5.69	3.29	2.56
-8139.1847	-3023.9033	-2514.9227	-4959.2451	-3703.675	-11900.639	-10133.798	-25273.571	-15915.51	-8920.5736	-7914.7876
-34530.488	-20007.372	-20226.36	-31017.42	-23204.789	-52228.782	-46083.352	-79293.554	-63461.133	-33618.8	-25662.32
0.25	0.13	0.1	0.4	1.26	0.79	0.37	0.02	0.15	0.47	1.75
2372.9026	1170.5005	696.7512	1675.8467	3874.608	5797.0927	4700.3037	3547.4686	4819.0996	3481.8449	4084.1487
0.05	0.01	0.02		0.17	0.14	0.08	0.02	0.07	0.02	0.04
52.5	10.5	21		178.5	147	84	21	73.5	21	42
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
19943.5577	14602.8718	15433.4055	26679.1343	22297.1499	36295.0549	28774.4528	30063.3509	32900.1391	18777.0504	22155.4932
129.5	69.02	35.42	71.68	164.5	263.9	237.86	205.8	282.52	182	169.4
52.5	10.5	21		178.5	147	84	21	73.5	21	42
19996.0577	14613.3718	15454.4055	26679.1343	22475.6499	36442.0549	28858.4528	30084.3509	32973.6391	18798.0504	22197.4932
0.03		0.05		0.57	0.78	0.35		0.04	0.16	0.11
11.47312	11.456962	11.549908	11.512513	11.11186	11.241886	11.303412	11.378806	11.497199	11.421515	11.375292
0.284664	0.278587	0.257574	0.274838	0.38458	0.355757	0.334703	0.30765	0.288489	0.298224	0.306693
0.273443	0.267315	0.248504	0.265019	0.371195	0.341781	0.322249	0.295751	0.27655	0.288001	0.294378
1438779.21	1393164.11	1572609.26	1643852.88	2353052.11	1826031.38	1777306.37	1421024.07	1566638.11	1487418.14	1735916.45
6185.9395	5858.55864	5701.81826	5086.19408	7234.96667	5903.11885	6520.4529	5943.10033	6581.07151	5912.86792	5615.64101
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
0.037014	0.03632	0.0335	0.033455	0.033493	0.035568	0.03467	0.036353	0.036691	0.033767	0.036764
432915.852	414140.774	430251.005	429432.108	603800.667	486056.966	513001.563	446378.627	485218.276	435510.769	452905.627
902821.515	877274.476	987441.31	988861.251	1367642.62	1168874.66	1122747.54	1002977.15	1056463.05	886665.697	977478.847
3.556343	3.587167	3.641581	3.618979	3.74468	3.782303	3.652633	3.661988	3.624551	3.584301	3.648913
735736.287	716130.663	751612.582	745636.918	1021092.92	805238.662	859866.451	757354.425	809521.987	738097.82	768462.09
4419.50085	1860.1135	2880.07275	6938.03682	26304.3585	19741.4291	11109.4612	1979.84916	3551.07763	7822.83435	20222.5006
135247.929	132382.7	147276.806	138867.162	144547.801	124252.73	138489.714	129741.124	149289.299	130241.184	132643.065
352.208148	352.081648	353.181788	354.252964	354.283825	352.99071	354.193641	352.557402	352.097403	353.91626	352.774109
140966.4	138029.6	152713.6	143903.2	149776.8	129219.2	143903.2	135092.8	155650.4	135092.8	138029.6

367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
220.593137	210.173448	234.963836	227.685641	259.540546	330.34427	299.201032	260.915868	213.203729	205.533192	271.736307
42.409756	42.60796	43.523088	43.170996	43.307607	44.195597	42.980951	43.312082	43.331507	42.611306	43.173936
1759778.31	1712447.77	1850691.63	1846784.57	2555983.93	2111648.51	2127978.81	1879142.23	2009230.27	1746311.49	1872866.51
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
165324.749	274000.198	552808.729	604128.682	1486011.05	1178459.59	670890.575	748025.753	276861.425	151026.037	357932.583
1925103.06	1986447.96	2403500.36	2450913.25	4041994.97	3290108.1	2798869.38	2627167.98	2286091.7	1897337.52	2230799.09
1523.53	1438.45	1530.66	1491.62	1887.19	1700.34	1761.54	1507.06	1666.13	1520.35	1835.01
271014.152	265891.023	231690.937	156324.921	149104.968	238594.462	297124.082	413950	383630.892	211081.655	88398.1592
455537.121	435559.777	339925.044	210063.505	185159.764	340109.329	448930.764	852478.601	674910.484	344481.304	122533.501
3.597863	2.281672	1.435283	0.670144	4.444695	3.919998	4.666267	4.80861	3.553205	4.711766	1.836348
3481.83207	2915.65592	1034.69106	503.934502	1313.27851	2108.69676	3659.3043	5384.4944	5314.29368	3207.86194	749.227547
26.767549	27.174594	30.631011	33.404566	53.122205	49.142625	38.522046	30.138296	24.980924	30.934845	41.852023
26.731563	27.149737	30.627073	33.40417	53.043045	49.136779	38.455148	30.105684	24.971762	30.907141	41.849451
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
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35064.5199	33981.7741	36915.2589	37633.2915	54283.1535	42055.9772	42713.4477	34569.3436	37730.9703	35699.0681	39883.7805
1438779.21	1393164.11	1572609.26	1643852.88	2353052.11	1826031.38	1777306.37	1421024.07	1566638.11	1487418.14	1735916.45
37.73	32.59	18.08	10.3	31.13	35.94	46.28	41.88	44.92	32.19	17.26
-165324.75	-274000.2	-552808.73	-604128.68	-1486011	-1178459.6	-670890.58	-748025.75	-276861.42	-151026.04	-357932.58
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328.64	322.13	391.06	380.5	371.36	309.05	324.27	294.57	356.03	316.34	355.23
254693.21	247754.782	323463.597	359455.378	388405.62	324508.982	312216.617	256562.685	294039.911	269784.744	333414.84
4.84	4.52	5.66	4.08	4.9	4.58	4.49	4.73	4.59	3.59	3.98
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43
1638557.8	1593405.14	1739053.89	1734498.17	2388735.54	1974113.32	1982613.99	1760331.58	1865985.04	1624763.52	1745940.94
38546.352	36897.43	37949.95	38137.226	55596.432	44164.674	46372.752	39953.838	43045.264	38906.93	40633.008
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
1974508.96	1921639.96	2069636.74	2064227.98	2850405.58	2343730.94	2376214.24	2097484.22	2243299.53	1960109.91	2094861.43

70953.8418	65515.536	65111.2241	65634.5467	112560.289	89929.1689	91487.0137	74434.288	83970.0434	73585.814	78177.8936
17.19	20.71	6.44	1.19	4.95	6.7	21.29	31.37	22.83	19.42	3.37
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
1979.81701	2136.8547	3049.2436	3692.27966	4675.11168	3310.95106	2642.22281	1753.87534	1967.71814	2339.92183	3721.06833
-89487.383	-89693.673	-114905.31	-127216.15	-132771.51	-109303.19	-106713.42	-87952.434	-101184	-93063.135	-115610.1
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
328.54	322.18	391.01	380.16	370.97	308.57	323.61	294.27	355.76	315.83	354.96
206.930729	188.153866	221.562668	270.667822	248.857123	247.186786	200.586938	173.420437	181.274147	229.180631	286.30204
96.041694	99.431476	132.41968	169.816339	131.662048	134.458633	105.238698	83.952929	95.117315	105.636288	157.611781
34222.0079	34013.4996	53792.4022	65886.4478	51433.7026	44147.2269	37617.5785	26415.2902	36289.642	36095.7376	57764.3812
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-233.04006	-238.547	-275.55229	-324.53099	-325.42037	-310.52043	-272.92434	-239.00118	-238.64151	-252.88895	-307.47366
-2524080.9	-2735419.9	-3690508.3	-4264739.4	-6811375.7	-5076177.2	-4084578.3	-3173682.5	-2861021	-2806642.7	-3889364.1
-27.915206	-30.567069	-32.253251	-33.633668	-51.409198	-46.620722	-38.259117	-35.933461	-28.359341	-30.325865	-33.642905
-2524080.9	-2735419.9	-3690508.3	-4264739.4	-6811375.7	-5076177.2	-4084578.3	-3173682.5	-2861021	-2806642.7	-3889364.1
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
3003592.16	3255078.16	4546001.67	5480719.8	8349984.01	6119083.13	4815272.96	3599290.04	3335986.55	3429161.39	5075394.72
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
1979.81701	2136.8547	3049.2436	3692.27966	4675.11168	3310.95106	2642.22281	1753.87534	1967.71814	2339.92183	3721.06833
-89487.383	-89693.673	-114905.31	-127216.15	-132771.51	-109303.19	-106713.42	-87952.434	-101184	-93063.135	-115610.1
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
479511.222	519658.235	855493.33	1215980.38	1538608.31	1042905.92	730694.683	425607.507	474965.591	622518.675	1186030.67
328.54	322.18	391.01	380.16	370.97	308.57	323.61	294.27	355.76	315.83	354.96
206.930729	188.153866	221.562668	270.667822	248.857123	247.186786	200.586938	173.420437	181.274147	229.180631	286.30204
96.041694	99.431476	132.41968	169.816339	131.662048	134.458633	105.238698	83.952929	95.117315	105.636288	157.611781

34222.0079	34013.4996	53792.4022	65886.4478	51433.7026	44147.2269	37617.5785	26415.2902	36289.642	36095.7376	57764.3812
-89487.383	-89693.673	-114905.31	-127216.15	-132771.51	-109303.19	-106713.42	-87952.434	-101184	-93063.135	-115610.1
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2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
3003592.16	3255078.16	4546001.67	5480719.8	8349984.01	6119083.13	4815272.96	3599290.04	3335986.55	3429161.39	5075394.72
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05
2524080.94	2735419.93	3690508.34	4264739.42	6811375.7	5076177.21	4084578.27	3173682.53	2861020.96	2806642.72	3889364.05

6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159
6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
16.816779	18.764247	19.237555	19.617137	20.645636	21.203634	21.034745	23.083019	21.054344	17.191854	13.610484
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159
178711.964	214412.973	255292.495	257692.76	433010.049	347604.571	310810.983	303744.191	251682.096	185954.491	166654.159
6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422

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89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096

6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422

6457.64317	7055.35688	8022.06078	7689.91802	8423.41958	7463.67919	8224.58555	8494.55109	8927.0421	6326.60233	5117.5422
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7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
19.927335	16.522511	22.297107	13.247148	34.242894	27.971876	12.270244	58.674575	18.369566	24.80667	37.10744
0.996366	1.3218	0.668913	0.132471	2.054573	1.118875	0.368107	0.586745	0.734782	0.496133	1.113223
7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
18.906859	21.105092	21.615454	22.044933	23.199746	23.821691	23.638389	25.908019	23.649842	19.354314	15.272061
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
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7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508

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0.44	0.57	0.42	0.01	0.56	0.31	0.16	0.18	0.22	0.05	0.14
89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096

7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508

7260.23404	7935.51488	9013.64436	8641.61374	9465.49662	8385.23537	9242.61041	9534.15105	10027.5334	7122.38767	5742.29508
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102
201016.118	241149.886	286790.767	289679.795	486601.716	390524.728	349266.191	340880.388	282709.841	209285.235	187018.102

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567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942
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352.208148	352.081648	353.181788	354.252964	354.283825	352.99071	354.193641	352.557402	352.097403	353.91626	352.774109
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367.099999	367.099999	366.219664	367.099999	367.099999	367.099999	368.038874	367.099999	367.099999	367.099999	367.099999
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89487.3831	89693.6732	114905.307	127216.149	132771.512	109303.191	106713.416	87952.4344	101184	93063.1354	115610.096
165324.749	274000.198	552808.729	604128.682	1486011.05	1178459.59	670890.575	748025.753	276861.425	151026.037	357932.583
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34,222.01	34,013.50	53,792.40	65,886.45	51,433.70	44,147.23	37,617.58	26,415.29	36,289.64	36,095.74	57,764.38
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2.473531	1.568649	0.986757	0.460724	2.592739	2.694999	3.208058	3.305919	2.442828	2.899548	1.262489
3,481.83	2,915.66	1,034.69	503.93	1,313.28	2,108.70	3,659.30	5,384.49	5,314.29	3,207.86	749.23
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55265.3752	55680.1736	61112.9043	61329.7012	81337.8093	65155.9642	69095.8378	61537.1442	64894.358	56967.3978	57845.7146
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4.84	4.52	5.66	4.08	4.9	4.58	4.49	4.73	4.59	3.59	3.98
50266.6678	53527.0907	46526.5161	46651.8533	54688.1031	47606.0206	53877.8033	44376.3665	59275.1889	47962.1562	48747.6767
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567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942
567037.374	656856.749	762926.049	799414.85	1404722.35	1074334.39	993974.78	964108.652	765394.317	622660.749	586697.942

2037-08	2037-09	2037-10	2037-11	2037-12
32.07465	28.2247	31.304719	32.944695	34.384734
21.139625	21.139599	21.139574	21.1396	21.139524
31.946823	28.096853	31.176864	32.81685	34.256873
32.045151	28.195197	31.275214	32.915192	34.355228
31.30769	27.457618	30.537591	32.177625	33.617569
31.592842	27.742815	30.822805	32.462817	33.902797
32.025486	28.175528	31.255544	32.895524	34.335557
32.064817	28.214866	31.294884	32.934861	34.374898

26.701925	26.701925	26.701925	26.701925	26.701925
1.69	1.69	1.69	1.69	1.69
31.76	27.91	30.99	32.63	34.07
6.01184	5.990032	6.069802	7.069533	7.87312
25.863404	23.294928	25.35491	26.531552	27.558519
25.863404	23.294928	25.35491	26.531552	27.558519
0.27788	0.41682		0.13894	0.13894
0.001023	0.003915		0.000311	0.000405
0.001023	0.003912		0.000311	0.000362
888.780753			33.560808	118.24191
2.3827			0.11599	0.307863
9.4	33.8		2.8	3.2
0.025171	0.04013	0.027831	0.025775	0.022959
130.6036	469.6172		38.9032	44.4608
3487.36761	12539.6835		1038.79035	1187.18897
0.566638	0.849957		0.283319	0.283319
212.883868	765.476036		63.412216	72.471104
8948.925	8293.275	8574.525	8768.025	8617.5
21.933639	21.59707	21.873788	21.865399	21.983418
9180	8640	8820	9000	8820
22.5	22.5	22.5	22.44389	22.5
9.4	33.8		2.8	3.2
7.903275	11.860176		3.951637	3.951637
7.903275	11.860176		3.951637	3.951637
3714.53948	13368.6409		1106.45857	1264.52408
4024.12923	17156.2713		1231.38821	1377.87213
309.589749	3787.63042		124.929638	113.348054

4024.12923	17156.2713		1231.38821	1377.87213
14.22	17.89	6.7	7.52	8.62
2825.75873	13368.6409		1072.89776	1146.28217
3047.97884	17156.2713		1197.80319	1247.2139
0.364407	0.6		0.193933	0.181298
7.150854	33.8		2.715071	2.900777
401.452291			395.163774	395.163774
8.029045			3.951637	3.951637
9.4	33.8		2.8	3.2
0.023039	0.08802		0.006982	0.008163
309.589749	3787.63042		124.929638	113.348054
309.589749	3787.63042		124.929638	113.348054
2.249145			0.084928	0.299222
888.780753			33.560808	118.24191
0.21	0.35		0.04	0.06
-309.58975	-3787.6304		-124.92964	-113.34805
-3357.5686	-20943.902		-1322.7328	-1360.562
0.05				
153.7567	367.9364		40.2078	58.7418
	0.01			
	12.1053			
3714.53948	13368.6409		1106.45857	1264.52408
3714.53948	13368.6409		1106.45857	1264.52408
3700.25148	13305.1596		1102.20257	1259.66008
9.4	33.8		2.8	3.2
	12.1053			
3714.53948	13368.6409		1106.45857	1264.52408
14.288	51.376		4.256	4.864
2.91989	2.35475	1.78961	2.35475	1.41285
0.07643	0.065797	0.055428	0.051942	0.050973
0.073872	0.064609	0.054081	0.05085	0.049056
120667.68	33697.7354	26698.7385	59309.2774	108005.683
384.391903	126.87659	106.223283	203.386875	322.788536
1748.12	1438.98	1229.6	1179.72	1115.34

0.028651	0.036276	0.029897	0.032775	0.027576
16465.5423	13553.7526	11581.6024	11111.7827	10505.3875
139592.471	116114.742	117907.222	102702.051	115775.096
2.067855	1.862834	1.533667	2.062871	1.348753
12949.2976	3570.5827	2447.58278	5784.62645	8853.36627
22985.98	21464.06	22056.24	22439.62	22109.02
56.338186	55.895989	56.265918	55.959152	56.400561
23664	22272	22736	23200	22736
58	58	58	57.855361	58
1748.12	1438.98	1229.6	1179.72	1115.34
22.807861	20.299853	16.541487	22.225547	14.325014
22.807861	20.299853	16.541487	22.225547	14.325014
158212.344	131515.834	131058.977	115330.142	127664.484
240043.153	247633.077	179688.482	162741.444	204682.536
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
240043.153	247633.077	179688.482	162741.444	204682.536
179.08	99.77	125.4	137.94	118.39
37544.6644	97818.0989	104360.239	56020.865	19658.8017
56073.6506	189093.994	143776.084	82241.6788	32290.7704
4.910052	11.997606	9.707835	9.469389	2.335398
373.314012	1059.89701	969.744094	565.575563	175.392418
78.347952	79.492392	90.426311	92.245527	106.509858
24.284925	16.596834	14.465335	22.955302	14.911376
1748.12	1438.98	1229.6	1179.72	1115.34
4.284607	3.747343	3.136734	2.941945	2.845255
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
81830.8091	116117.242	48629.5047	47411.3015	77018.0519
1374.80599	379.082991	259.855905	614.144436	939.947581
120667.68	33697.7354	26698.7385	59309.2774	108005.683
6.63	7.66	10.22	7.6	2.58
-81830.809	-116117.24	-48629.505	-47411.301	-77018.052
-137904.46	-305211.24	-192405.59	-129652.98	-109308.82
8.97	1.38	1.08	3.57	5.03
9352.1981	5948.7575	5138.6903	5804.5279	6401.6448
0.13	0.24	0.19	0.2	0.1

72.3203	133.5144	105.6989	111.262	55.631
158212.344	131515.834	131058.977	115330.142	127664.484
158212.344	131515.834	131058.977	115330.142	127664.484
139592.471	116114.742	117907.222	102702.051	115775.096
1748.12	1438.98	1229.6	1179.72	1115.34
72.3203	133.5144	105.6989	111.262	55.631
158212.344	131515.834	131058.977	115330.142	127664.484
18547.5532	15267.5778	13046.056	12516.8292	11833.7574
0.08	0.15	1.31	0.63	0.01
11.295328	11.360406	11.321094	11.290319	11.271443
0.520966	0.489271	0.509767	0.530514	0.550999
0.505699	0.469097	0.490473	0.509209	0.535344
995234.386	802817.883	853126.904	958395.212	1012526.92
3349.45972	3405.4126	3522.78618	3440.55546	3093.62813
22902.13	19994.816	21341.486	22608.89	23293.892
0.031764	0.042994	0.038928	0.04065	0.030408
255311.044	224377.69	238466.54	251469.44	258159.344
438088.048	384905.206	409471.038	431611.293	444815.179
3.711	3.711	3.711	3.711	3.711
515983.621	453467.311	481940.878	508219.737	521740.035
43849.44	40791.39	41818.14	42595.14	42188.88
107.474117	106.227578	106.678928	106.222294	107.624693
45288	42624	43512	44400	43512
111	111	111	110.723192	111
22902.13	19994.816	21341.486	22608.89	23293.892
44.398604	44.816068	44.652232	44.500152	44.347663
43.927263	44.167137	44.020822	43.906788	43.826898
1009529.26	890587.704	946156.444	997050.643	1023561.77
1064909.76	883545.757	950230.89	1059139.96	1156120.83
55380.5046	-7041.9476	4074.44619	62089.3133	132559.061
1064909.76	883545.757	950230.89	1059139.96	1156120.83
395.04	367.49	376.74	383.74	380.08
5500.37188	76294.071	81768.2894	27501.4314	1489.59738
10755.8396	189819.431	166193.113	52446.9263	2458.73979

4.151952	15.827422	16.318323	8.709692	3.106225
128.98194	1786.53037	1921.13522	649.099546	35.226992
25.426644	18.589951	23.517083	27.071247	28.93424
25.424423	18.559214	23.493987	27.061572	28.932488
22902.13	19994.816	21341.486	22608.89	23293.892
56.132671	52.069833	54.442566	56.381271	59.423193
-78070.578	-124324.17	-120572.01	-69353.763	-2380.8286
-78070.578	-124324.17	-120572.01	-69353.763	-2380.8286
22773.1481	18208.2856	19420.3508	21959.7905	23258.665
995234.386	802817.883	853126.904	958395.212	1012526.92
2.51	10.27	17.93	11.96	1.01
-55380.505	7041.94757	-4074.4462	-62089.313	-132559.06
-66136.344	-182777.48	-170267.56	-114536.24	-135017.8
348.28	303.94	305.66	329.62	348.65
114801.728	84291.9927	88704.8375	103747.982	121717.214
0.82	1.07	1.05	1.04	0.89
8794.5	11475.75	11261.25	11154	9545.25
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
954071.668	838372.517	891411.916	939831.03	966555.214
22902.13	19994.816	21341.486	22608.89	23293.892
8794.5	11475.75	11261.25	11154	9545.25
1142980.34	1007869.92	1070802.9	1128493.72	1158501.66
46663.0899	40739.4376	43483.2777	46065.6134	47461.305
3.52	16.59	21.4	11.34	1.74
0.3	0.45		0.15	0.15
0.000514	0.003531		0.000315	0.00031
0.000514	0.003515		0.00025	0.00028
63.121012				
0.165061				
0.63	4.05		0.3	0.33
0.030147	0.033567	0.01829	0.028375	0.023418
9.45	60.75		4.5	4.95

252.333197	1622.14198		120.158665	132.174531
0.564664	0.846996		0.282332	0.282332
14.470785	93.026474		6.89085	7.579935
1187.1	1113.33	1154.49	1165.95	1148.46
2.909558	2.899296	2.945127	2.907605	2.929744
1224	1152	1176	1200	1176
3	3	3	2.992518	3
0.63	4.05		0.3	0.33
8.469967	12.704951		4.234983	4.234983
8.469967	12.704951		4.234983	4.234983
266.803982	1715.16846		127.049515	139.754466
285.052697	2155.26934		136.052462	145.870612
18.248715	440.100882		9.002946	6.116145
285.052697	2155.26934		136.052462	145.870612
0.21	1.35		0.1	0.11
203.682969	1715.16846		127.049515	139.754466
215.62955	2155.26934		136.052462	145.870612
0.057925	0.09		0.03	0.03
0.480953	4.05		0.3	0.33
423.498384				
4.234983				
0.63	4.05		0.3	0.33
0.001544	0.010546		0.000748	0.000841
18.248715	440.100882		9.002946	6.116145
18.248715	440.100882		9.002946	6.116145
0.149046				
63.121012				
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-233.87827	-2595.3702		-145.05541	-151.98676
71.1471	295.9226		28.454	40.0658
0.08	0.32		0.03	0.07
266.803982	1715.16846		127.049515	139.754466
266.803982	1715.16846		127.049515	139.754466
266.803982	1715.16846		127.049515	139.754466
0.63	4.05		0.3	0.33

266.803982	1715.16846		127.049515	139.754466
12.06434	12.222063	12.09927	12.071475	12.074611
0.569874	0.524145	0.557663	0.579214	0.586322
0.544215	0.49966	0.534421	0.554037	0.561228
333438.805	291828.186	315211.383	331884.3	329395.856
1122.70459	1250.00474	1308.86386	1194.41966	1006.33229
9547.72	8250.4	9008.21	9529.45	9460.06
0.043578	0.046848	0.042525	0.04465	0.041581
112764.616	98654.6522	106670.418	112148.121	111162.104
193344.139	169398.708	182718.971	192510.76	191228.702
2.8206	2.8206	2.8206	2.8206	2.8206
127491.675	111538.95	120601.574	126794.666	125679.874
16779.46	15738.43	16139.19	16432.02	16155.1
41.126127	40.985494	41.171403	40.977605	41.211989
17544	16512	16856	17200	16856
43	43	43	42.892768	43
9547.72	8250.4	9008.21	9529.45	9460.06
36.012954	36.775465	36.244442	36.11775	36.004042
35.297713	35.739972	35.398412	35.315997	35.31153
339697.431	299200.635	321682.165	337930.768	334752.815
417601.954	346111.624	385007.833	430747.586	447184.337
77904.5235	46910.9893	63325.6678	92816.8179	112431.522
417601.954	346111.624	385007.833	430747.586	447184.337
390.22	366.01	375.33	382.14	375.7
18.84216	22.452056	20.732082	29.371316	37.27189
5.652648	6.960137	5.804982	7.636542	8.199816
9547.72	8250.4	9008.21	9529.45	9460.06
23.401274	21.485416	22.980127	23.764214	24.132806
18962.4586	-4655.7974	7569.04048	34196.9951	54327.0901
18962.4586	-4655.7974	7569.04048	34196.9951	54327.0901

9547.72	8250.4	9008.21	9529.45	9460.06
333438.805	291828.186	315211.383	331884.3	329395.856
-77904.524	-46910.989	-63325.668	-92816.818	-112431.52
-77904.524	-46910.989	-63325.668	-92816.818	-112431.52
4.45	3.57	3.92	1.9	2.33
112766.269	83335.8286	87897.015	102848.506	118919.648
1.18	1.39	1.22	1.14	1.01
6258.6256	7372.4488	6470.7824	6046.4688	5356.9592
398639.496	350767.422	377438.793	396550.591	392857.247
398639.496	350767.422	377438.793	396550.591	392857.247
320835.815	280937.658	303320.546	319305.426	316908.577
9547.72	8250.4	9008.21	9529.45	9460.06
6258.6256	7372.4488	6470.7824	6046.4688	5356.9592
398639.496	350767.422	377438.793	396550.591	392857.247
12602.9904	10890.528	11890.8372	12578.874	12487.2792
0.3	0.45		0.15	0.15
0.000469	0.003515		0.000279	0.000326
0.000465	0.003515		0.00025	0.00028
50.819806				
0.131527				
0.57	4.05		0.3	0.33
0.021151	0.025755	0.027525	0.026825	0.022908
8.55	60.75		4.5	4.95
228.301464	1622.14198		120.158665	132.174531
0.564664	0.846996		0.282332	0.282332
13.092615	93.026474		6.89085	7.579935
1198.11	1122.33	1143.63	1167.81	1149.06
2.936544	2.922734	2.917423	2.912244	2.931275
1224	1152	1176	1200	1176
3	3	3	2.992518	3
0.57	4.05		0.3	0.33
8.469967	12.704951		4.234983	4.234983

8.469967	12.704951		4.234983	4.234983
241.394079	1715.16846		127.049515	139.754466
257.996463	2155.26934		136.052462	145.870612
16.602384	440.100882		9.002946	6.116145
257.996463	2155.26934		136.052462	145.870612
0.19	1.35		0.1	0.11
190.574272	1715.16846		127.049515	139.754466
201.302587	2155.26934		136.052462	145.870612
0.06	0.09		0.03	0.03
0.45	4.05		0.3	0.33
0.57	4.05		0.3	0.33
0.001397	0.010546		0.000748	0.000841
16.602384	440.100882		9.002946	6.116145
16.602384	440.100882		9.002946	6.116145
0.12				
50.819806				
	0.03			0.02
-16.602384	-440.10088		-9.002946	-6.116145
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64.0831	295.9226		28.454	40.0658
0.07	0.32		0.03	0.07
241.394079	1715.16846		127.049515	139.754466
241.394079	1715.16846		127.049515	139.754466
241.394079	1715.16846		127.049515	139.754466
0.57	4.05		0.3	0.33
241.394079	1715.16846		127.049515	139.754466
3.402362	2.984386	1.974676	2.1193	1.561411
0.033413	0.038287	0.019147	0.018608	0.028946
0.032338	0.036953	0.018586	0.018275	0.027841
35626.7617	8019.36597	2461.60016	6259.90018	30338.7334
106.599095	27.936384	9.997279	21.743195	89.165506

659.7	709.5	364.3	365.5	545.7
0.024852	0.030742	0.031364	0.028762	0.030561
9472.5	10235.1	5188.7	5228.3	7901.7
87275.658	93990.0138	57189.1057	47739.8301	79941.7785
1.634225	1.481519	1.160602	1.103304	1.030205
4217.69264	868.686912	221.535638	894.830695	3047.40495
19899.6	18532.5	18982.7	19418	18969.2
48.773529	48.261718	48.425255	48.42394	48.390816
20400	19200	19600	20000	19600
50	50	50	49.875311	50
659.7	709.5	364.3	365.5	545.7
43.856494	38.560615	30.24999	25.667507	22.641747
23.22225	21.22695	16.493079	15.622286	14.678952
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
122707.325	161221.725	69955.111	65941.0504	113756.282
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
122707.325	161221.725	69955.111	65941.0504	113756.282
293.73	171.64	198.58	199.94	155.94
51804.3043	86236.6879	54849.8416	41589.5419	49741.8101
71566.1621	148483.635	66995.4792	57913.9599	69719.6294
3.101971	4.598271	3.087904	2.947824	1.404402
362.350252	648.345027	348.515827	302.169604	331.441343
110.45794	120.78997	136.253398	108.603409	162.163365
26.364889	15.702696	14.987873	13.032409	14.594702
659.7	709.5	364.3	365.5	545.7
1.616911	1.847656	0.929336	0.911471	1.392091
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
35276.2592	66965.6709	12643.6693	18091.6083	33675.7382
297.349747	61.154972	15.784172	63.330395	214.258656
35626.7617	8019.36597	2461.60016	6259.90018	30338.7334
7.8	9.9	5.13	4.67	7.92
-35276.259	-66965.671	-12643.669	-18091.608	-33675.738
-106842.42	-215449.31	-79639.149	-76005.568	-103395.37
2.27	0.49	0.1	0.51	1.63
7075.3359	6025.4342	2715.4063	3388.4103	6680.6661

0.04	0.14	0.1	0.06	0.01
35.48	112.976	77.496	53.22	6.069
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
87275.658	93990.0138	57189.1057	47739.8301	79941.7785
659.7	709.5	364.3	365.5	545.7
35.48	112.976	77.496	53.22	6.069
87431.066	94256.0538	57311.4417	47849.4421	80080.5435
119.928	153.064	44.84	56.391999	132.695999
0.18	0.02	0.2	0.19	0.03
0.3	0.3		0.15	0.15
0.000514	0.00349		0.000291	0.000229
0.000514	0.003437		0.00025	0.000229
67.984621				
0.175952				
0.84	5.28		0.4	0.36
0.028602	0.015468	0.025994	0.0408	0.025969
12.6	79.2		6	5.4
336.444262	2114.79251		160.211553	144.190398
0.566538	0.566538		0.283269	0.283269
20.475	128.7		9.75	8.775
1585.32	1512.24	1527.24	1534.72	1527.28
3.885588	3.938125	3.89602	3.827231	3.896122
1632	1536	1568	1600	1568
4	4	4	3.990024	4
0.84	5.28		0.4	0.36
8.498077	8.498077		4.249038	4.249038
8.498077	8.498077		4.249038	4.249038
356.919262	2243.49251		169.961553	152.965398
380.070262	2822.56852		181.403282	160.530687
23.151	579.076012		11.441728	7.565289
380.070262	2822.56852		181.403282	160.530687
0.21	1.32		0.1	0.09
288.934641	2243.49251		169.961553	152.965398

304.478427	2822.56852		181.403282	160.530687
0.08	0.08		0.04	0.04
0.68	5.28		0.4	0.36
472.714455				
4.727144				
0.84	5.28		0.4	0.36
0.002058	0.01375		0.000997	0.000918
23.151	579.076012		11.441728	7.565289
23.151	579.076012		11.441728	7.565289
0.16				
67.984621				
0.17	1.31		0.1	0.09
-23.151	-579.07601		-11.441728	-7.565289
-327.62943	-3401.6445		-192.84501	-168.09598
0.04				
71.1471	289.6522		28.454	32.9633
0.08	0.3		0.03	0.06
356.919262	2243.49251		169.961553	152.965398
356.919262	2243.49251		169.961553	152.965398
356.919262	2243.49251		169.961553	152.965398
0.84	5.28		0.4	0.36
356.919262	2243.49251		169.961553	152.965398

10.835114	10.958578	10.867978	10.854364	10.835943
0.375254	0.331331	0.367327	0.389998	0.410389
0.351433	0.311844	0.345323	0.371682	0.391669
338826.448	286194.621	320814.021	350173.237	361476.17
1135.14342	1228.083	1330.66088	1258.22589	1102.59271
8402.36	7017.242	7932.492	8712.228	8997.112
0.0662	0.057786	0.063239	0.050325	0.049311
88369.6717	74724.3871	83687.9019	91389.2565	93964.0539
153342.42	129605.403	145242.37	158337.674	164207.059
3.724299	3.724299	3.724299	3.724299	3.724299
179770.423	152011.821	170246.299	185913.164	191151.075
22326.014	21202.066	21518.506	22260.382	21838.462

54.720622	55.213713	54.894147	55.512174	55.710362
23908.8	22502.4	22971.2	23440	22971.2
58.599999	58.599999	58.599999	58.453865	58.599999
8402.36	7017.242	7932.492	8712.228	8997.112
47.63626	48.894081	46.904122	47.14775	46.702791
40.997197	41.455733	41.119421	41.067924	40.987612
376125.575	322003.598	352887.82	385308.524	394443.785
456931.167	368899.311	412846.888	479378.618	525941.404
80805.5918	46895.7129	59959.0677	94070.0944	131497.619
456931.167	368899.311	412846.888	479378.618	525941.404
380.99	361.81	367.21	379.87	372.67
	194.327248	68.741655	1.916584	
	557.840794	130.736293	1.812378	
	1.639531	1.03012	0.043897	
	4.761236	1.616203	0.043897	
27.178585	22.397763	27.548787	31.902218	31.414118
22.014654	19.037867	25.602918	26.157405	25.445435
8402.36	7017.242	7932.492	8712.228	8997.112
20.594019	18.274067	20.235948	21.726254	22.951816
34614.7644	7837.27577	16215.4013	46300.93	82382.6078
34614.7644	7837.27577	16215.4013	46300.93	82382.6078
8402.36	7012.48076	7930.8758	8712.1841	8997.112
338826.448	286194.621	320814.021	350173.237	361476.17
	0.09	0.01		
-80805.592	-46895.713	-59959.068	-94070.094	-131497.62
-80805.592	-47453.554	-60089.804	-94071.907	-131497.62
18.43	24.25	21.41	24.43	18.54
101791.77	77080.3719	80922.8019	95963.2404	110613.733
1.55	1.48	1.33	1.46	1.37
37299.1265	35614.6499	32005.057	35133.3708	32967.6151
422316.402	361062.035	396631.486	433077.688	443558.796
422316.402	361062.035	396631.486	433077.688	443558.796
333112.844	281617.223	315488.668	344250.838	355358.134
8402.36	7017.242	7932.492	8712.228	8997.112

37299.1265	35614.6499	32005.057	35133.3708	32967.6151
422316.402	361062.035	396631.486	433077.688	443558.796
5713.6048	4771.72456	5394.09456	5924.31504	6118.03616
	0.11	0.06	0.01	
3	2.4	1.65	1.8	1.2
0.030296	0.036214	0.01559	0.016566	0.028462
0.029142	0.035312	0.01551	0.016375	0.028188
6434.86815	1353.5297	351.575166	786.693187	5546.15946
19.041014	4.595574	1.497243	2.676511	16.005952
166.46	189.84	85.12	91.7	154.7
0.040147	0.026145	0.025076	0.030425	0.023954
2496.9	2847.6	1276.8	1375.5	2320.5
23162.8649	26097.7992	15042.9705	12683.1119	23560.5798
1.360623	1.19879	1.011063	0.844272	0.693164
774.244633	148.592674	28.296912	118.621294	571.012055
5482.68	5235.44	5350.38	5429.62	5356.54
13.437941	13.633958	13.648928	13.540199	13.664642
5712	5376	5488	5600	5488
14	14	14	13.965087	14
166.46	189.84	85.12	91.7	154.7
20.457145	18.027363	15.222501	12.745815	10.428716
20.457145	18.027363	15.222501	12.745815	10.428716
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
32560.4793	43988.3891	18182.5489	17421.5808	33106.3228
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
32560.4793	43988.3891	18182.5489	17421.5808	33106.3228
156.05	91.76	105.26	101.81	85.6
16759.4967	24807.2695	14722.8954	11927.9187	18024.9203
23198.9533	41782.5011	17774.814	16386.7143	25002.2851
2.327493	2.226135	1.533765	1.650339	0.785626
114.843691	179.933821	83.233539	83.791913	116.632529
109.628753	122.709611	184.421871	98.073716	151.315954
19.733175	9.816768	7.376874	7.845897	9.078957
166.46	189.84	85.12	91.7	154.7

0.40799	0.494375	0.217142	0.228678	0.394642
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
9366.11436	17827.5899	3108.07843	4706.96888	9535.24307
51.616308	9.906178	1.88646	7.908086	38.06747
6434.86815	1353.5297	351.575166	786.693187	5546.15946
2.84	3.52	3.02	2.38	1.82
-9366.1144	-17827.59	-3108.0784	-4706.9689	-9535.2431
-32565.068	-59610.091	-20882.892	-21093.683	-34537.528
1.18	0.1	0.07	0.21	0.45
3756.1244	3232.1443	1456.7139	1861.6041	3662.9817
0.03	0.06	0.03	0.03	0.01
31.5	63	31.5	31.5	10.5
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
23162.8649	26097.7992	15042.9705	12683.1119	23560.5798
166.46	189.84	85.12	91.7	154.7
31.5	63	31.5	31.5	10.5
23194.3649	26160.7992	15074.4705	12714.6119	23571.0798
0.23		0.03	0.28	

11.392882	11.501837	11.413659	11.38461	11.37789
0.300868	0.278809	0.288941	0.300763	0.313189
0.290017	0.26707	0.277695	0.289371	0.30278
1831299.66	1423911.32	1518664.22	1706842.18	1847407.77
6120.19499	6042.90889	6280.02872	6121.12358	5630.82099
43437.93	37647.958	39961.208	42491.288	43571.024
0.033192	0.035132	0.032912	0.034375	0.029928
485041.478	425063.499	446871.962	472776.303	484072.85
1039110.05	938010.632	927571.678	947024.039	1021124.12
3.623203	3.632557	3.613947	3.585584	3.618451
823506.642	718098.311	772788.751	821014.511	838667.39
17941.2349	4587.86229	2697.41533	6798.07844	12471.7833
144242.629	135005.061	138265.041	141211.287	139059.502
353.535855	351.575679	352.716941	352.147847	354.743627
149776.8	140966.4	143903.2	146840	143903.2

367.099999	367.099999	367.099999	366.184538	367.099999
43437.93	37647.958	39961.208	42491.288	43571.024
248.51061	253.141604	189.814776	205.075168	191.12062
42.942278	43.418476	42.846994	42.436196	42.743581
1998769.7	1782767.09	1824171.32	1897714.65	1985771.48
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
340931.395	292922.166	191740.434	319340.482	496850.38
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
1809.94	1480.39	1555.22	1593.26	1497.31
115117.788	304392.925	255770.007	138538.632	90493.886
165363.995	594026.781	394870.227	210642.403	131170.91
1.650524	3.795203	4.96655	2.369354	0.847032
988.251704	3726.64747	3324.24488	1604.3956	662.61406
36.617345	25.456757	30.029579	33.736845	33.990265
36.56783	25.421803	30.013897	33.703198	33.989472
43437.93	37647.958	39961.208	42491.288	43571.024
106.465514	98.041557	101.941857	105.963311	111.150571
102347.419	85014.7238	-32406.32	81508.4183	254691.048
102347.419	85014.7238	-32406.32	81508.4183	254691.048
42449.6783	33921.3105	36636.9631	40886.8924	42908.4099
1831299.66	1423911.32	1518664.22	1706842.18	1847407.77
20.16	33.13	36.31	26.75	13.5
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383.67	333.73	332.24	360.24	376.63
349903.559	261163.963	266835.465	313739.84	368167.724
3.98	5.33	3.92	4.02	3.59
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
2237353.67	1990674.54	2048318.07	2135546.71	2227930.81
2237353.67	1990674.54	2048318.07	2135546.71	2227930.81
1862616.69	1656108.94	1700360.43	1768038.55	1859791.51
43437.93	37647.958	39961.208	42491.288	43571.024
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
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83661.4543	71873.708	73859.1055	77146.2796	78037.9377
4.01	16.87	23	12.45	1.78

3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
1196080.39	489465.885	635814.701	896148.999	1275191.68
3900.32947	1986.9103	2566.76822	3164.39744	3826.35992
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383.45	333.55	332.03	359.93	376.37
268.338021	216.603987	195.077845	220.199712	265.63761
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-298.48723	-237.25749	-242.8806	-278.37258	-328.29643
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
-32.605958	-28.223808	-31.245458	-33.099439	-34.499931
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
5168412.57	3061262.29	3606745.18	4592614.03	5728694.6
121782.789	91106.8763	95209.197	111627.404	128692.199
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92

3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
1196080.39	489465.885	635814.701	896148.999	1275191.68
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1196080.39	489465.885	635814.701	896148.999	1275191.68
383.45	333.55	332.03	359.93	376.37
268.338021	216.603987	195.077845	220.199712	265.63761
152.358735	103.006273	102.022211	122.34285	159.9664

60545.2887	36505.5565	36056.1397	46632.9542	61926.5725
-121782.79	-91106.876	-95209.197	-111627.4	-128692.2
-298.48723	-237.25749	-242.8806	-278.37258	-328.29643
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
-32.605958	-28.223808	-31.245458	-33.099439	-34.499931
-3972332.2	-2571796.4	-2970930.5	-3696465	-4453502.9
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
5168412.57	3061262.29	3606745.18	4592614.03	5728694.6
121782.789	91106.8763	95209.197	111627.404	128692.199
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92

5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
171871.933	183274.094	229399.833	253003.088	263752.074
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13.245539	16.84033	18.75183	19.278393	19.640153
171871.933	183274.094	229399.833	253003.088	263752.074
171871.933	183274.094	229399.833	253003.088	263752.074
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-171871.93	-183274.09	-229399.83	-253003.09	-263752.07
121782.789	91106.8763	95209.197	111627.404	128692.199
5404.17998	6466.68703	7350.71767	7730.63598	7698.94017

5404.17998	6466.68703	7350.71767	7730.63598	7698.94017
171871.933	183274.094	229399.833	253003.088	263752.074
171871.933	183274.094	229399.833	253003.088	263752.074

6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
193006.068	206146.445	258048.495	284270.555	296430.923
35.96126	44.472275	21.491037	26.343296	10.849318
1.078837	2.223613	1.074551	1.84403	0.216986
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
14.871635	18.934545	21.086053	21.663143	22.073475
193006.068	206146.445	258048.495	284270.555	296430.923
193006.068	206146.445	258048.495	284270.555	296430.923
6067.62748	7270.86556	8265.73305	8686.92066	8652.80241

-193006.07	-206146.45	-258048.5	-284270.55	-296430.92
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0.16	0.27	0.45	0.56	0.09
121782.789	91106.8763	95209.197	111627.404	128692.199

6067.62748	7270.86556	8265.73305	8686.92066	8652.80241

6067.62748	7270.86556	8265.73305	8686.92066	8652.80241
193006.068	206146.445	258048.495	284270.555	296430.923
193006.068	206146.445	258048.495	284270.555	296430.923

3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
124359.61	87904.0205	79566.2574	94820.0722	119768.449
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9.695833	7.814609	6.4598	7.311636	8.849851
124359.61	87904.0205	79566.2574	94820.0722	119768.449
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3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
-124359.61	-87904.02	-79566.257	-94820.072	-119768.45
-124359.61	-87904.02	-79566.257	-94820.072	-119768.45
121782.789	87832.5188	95209.197	111627.404	128692.199
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
3955.89993	3000.80995	2532.24199	2931.96635	3469.14185
124359.61	87904.0205	79566.2574	94820.0722	119768.449
124359.61	87904.0205	79566.2574	94820.0722	119768.449
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
103682.638	115119.742	138230.779	152410.209	137591.783
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
8.235575	10.264705	11.14133	11.865423	10.296765
103682.638	115119.742	138230.779	152410.209	137591.783
103682.638	115119.742	138230.779	152410.209	137591.783
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
-103682.64	-115119.74	-138230.78	-152410.21	-137591.78

-103682.64	-115119.74	-138230.78	-152410.21	-137591.78
119884.68	90795.8482	95107.4338	111627.404	127733.043
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
3360.11495	3941.64674	4367.40148	4758.03473	4036.33192
103682.638	115119.742	138230.779	152410.209	137591.783
103682.638	115119.742	138230.779	152410.209	137591.783
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
592920.249	592444.302	705245.365	784503.924	817543.229
35.96126	44.472275	21.491037	26.343296	10.849318
1.078837	2.223613	1.074551	1.84403	0.216986
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
46.048584	53.85419	57.439015	60.118597	60.860245
592920.249	592444.302	705245.365	784503.924	817543.229
592920.249	592444.302	705245.365	784503.924	817543.229
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
-592920.25	-592444.3	-705245.36	-784503.92	-817543.23
-592920.25	-592444.3	-705245.36	-784503.92	-817543.23
0.16	0.27	0.45	0.56	0.09
485233.048	360842.12	380735.025	446509.617	513809.639
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
592920.249	592444.302	705245.365	784503.924	817543.229

592920.249	592444.302	705245.365	784503.924	817543.229
11.392882	11.501837	11.413659	11.38461	11.37789
0.300868	0.278809	0.288941	0.300763	0.313189
0.290017	0.26707	0.277695	0.289371	0.30278
3972332.18	2571796.4	2970930.48	3696465.03	4453502.92
3027380.04	1913377.21	2154478.92	2602991.18	3122599.45
10020.5245	8029.81919	8846.79695	9285.52102	9457.1809
-59557.037	-32778.909	-32731.895	-45028.559	-61263.958
0.033192	0.035132	0.032912	0.034375	0.029928
485041.478	425063.499	446871.962	472776.303	484072.85
1039110.05	938010.632	927571.678	947024.039	1021124.12
3.623203	3.632557	3.613947	3.585584	3.618451
823506.642	718098.311	772788.751	821014.511	838667.39
17941.2349	4587.86229	2697.41533	6798.07844	12471.7833
144242.629	135005.061	138265.041	141211.287	139059.502
353.535855	351.575679	352.716941	352.147847	354.743627
149776.8	140966.4	143903.2	146840	143903.2
367.099999	367.099999	367.099999	366.184538	367.099999
43437.93	37647.958	39961.208	42491.288	43571.024
248.51061	253.141604	189.814776	205.075168	191.12062
42.942278	43.418476	42.846994	42.436196	42.743581
1998769.7	1782767.09	1824171.32	1897714.65	1985771.48
2339701.09	2075689.26	2015911.75	2217055.13	2482621.86
121782.789	91106.8763	95209.197	111627.404	128692.199
340931.395	292922.166	191740.434	319340.482	496850.38
2932621.34	2668133.56	2721157.12	3001559.06	3300165.08
1809.94	1480.39	1555.22	1593.26	1497.31
115117.788	304392.925	255770.007	138538.632	90493.886
25.863404	23.294928	25.35491	26.531552	27.558519
1196080.39	489465.885	635814.701	896148.999	1275191.68

383.45	333.55	332.03	359.93	376.37
268.338021	216.603987	195.077845	220.199712	265.63761
9.52242	6.437892	8.50185	7.646428	9.9979
60,545.29	36,505.56	36,056.14	46,632.95	61,926.57
165363.995	594026.781	394870.227	210642.403	131170.91
1.134735	2.609202	2.897154	1.628931	0.582334
988.25	3,726.65	3,324.24	1,604.40	662.61
36.486157	25.482899	30.032736	33.631088	33.989748
36.436642	25.448033	30.017078	33.600499	33.988955
-59557.037	-32778.909	-32731.895	-45028.559	-61263.958
-145.97313	-85.361742	-83.499731	-112.29067	-156.28561
-3277064.5	-1894337.4	-2298091.4	-2830452.7	-3381268.6
-26.917092	-20.800999	-24.129413	-25.361603	-26.240301
-3277064.5	-1894337.4	-2298091.4	-2830452.7	-3381268.6
61237.5006	54601.3198	59153.0573	64994.4501	66765.6263
1831299.66	1423911.32	1518664.22	1706842.18	1847407.77
3038480.54	1686429.94	2073944.68	2592620.62	3139109.31
4069196.93	1581869.04	2314889.15	3278127.22	4283130.08
956919.396	713112.959	742779.687	871876.862	1010669.56
3.98	5.33	3.92	4.02	3.59
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
1862616.69	1656108.94	1700360.43	1768038.55	1859791.51
62225.7523	58327.9673	62477.3022	66598.8457	67428.2403
52491.5524	54784.4444	49951.7843	52529.8216	47942.0243
6209685.86	4562470.94	5019248.55	5832011.74	6681433.73
83661.4543	71873.708	73859.1055	77146.2796	78037.9377
18787.8223	20680.0093	22516.0942	24107.5577	23857.2163
592920.249	592444.302	705245.365	784503.924	817543.229
592920.249	592444.302	705245.365	784503.924	817543.229

	Situation 1 (Short)	Situation 2 (Long 1)	Situation 3 (Long 2)
2018	5,087	2,781	892
2019	5,505	2,576	679
2020	5,047	3,064	673
2021	5,390	2,797	573
2022	5,634	2,727	399
2023	5,700	2,695	365
2024	5,501	2,892	391
2025	5,894	2,627	239
2026	5,792	2,716	252
2027	6,084	2,457	219
2028	6,495	2,155	134
2029	6,381	2,216	163
2030	6,454	2,160	146
2031	6,696	1,957	107
2032	6,872	1,830	82
2033	6,723	1,955	82
2034	6,958	1,747	55
2035	6,923	1,766	71
2036	7,120	1,606	58
2037	7,116	1,587	57

	Purchases	Sales	
2017	4,408	4,352	8,760
2018	5,087	3,673	8,760
2019	5,505	3,255	8,760
2020	5,047	3,737	8,784
2021	5,390	3,370	8,760
2022	5,634	3,126	8,760
2023	5,700	3,060	8,760
2024	5,501	3,283	8,784
2025	5,894	2,866	8,760
2026	5,792	2,968	8,760
2027	6,084	2,676	8,760
2028	6,495	2,289	8,784
2029	6,381	2,379	8,760
2030	6,454	2,306	8,760
2031	6,696	2,064	8,760
2032	6,872	1,912	8,784
2033	6,723	2,037	8,760
2034	6,958	1,802	8,760
2035	6,923	1,837	8,760
2036	7,120	1,664	8,784
2037	7,116	1,644	8,760
	120,664	54,656	
	123,372	51,948	

WACC **7.24%** nominal, annual

Summary: NPV and Annualized $/MWh of Avoided Costs

NPV Of Avoided Costs	$ 82,130,168
Levelized Payment	$ 28.49

Summary Table: Annual Wind QF Generation and Avoided Costs

Year	Generation (MWh)	Generation offsetting internal production (MWh)	Offset Purchases (MWh)	Average Offsetting Generation Avoided Cost ($/MWh)	Average Offset Purchase Price ($/MWh)	Total Offsetting Generation Avoided Cost ($)	Total Avoided Cost of Purchases ($)	Total Avoided Cost ($)
2017	277,156	125,955	151,201	$ 16.83	$ 22.45	$ 2,120,144	$ 3,394,856	$ 5,515,000
2018	277,190	106,838	170,352	$ 15.68	$ 22.12	$ 1,675,452	$ 3,768,301	$ 5,443,753
2019	277,190	94,385	182,805	$ 16.97	$ 24.27	$ 1,601,882	$ 4,437,440	$ 6,039,323
2020	277,190	110,031	167,159	$ 20.48	$ 26.69	$ 2,253,903	$ 4,461,455	$ 6,715,358
2021	277,190	99,391	177,799	$ 20.10	$ 28.09	$ 1,997,478	$ 4,993,631	$ 6,991,109
2022	277,190	91,466	185,724	$ 21.74	$ 28.72	$ 1,988,765	$ 5,333,590	$ 7,322,356
2023	277,190	89,955	187,235	$ 24.06	$ 30.52	$ 2,164,300	$ 5,713,630	$ 7,877,930
2024	277,190	97,672	179,518	$ 24.29	$ 32.23	$ 2,372,236	$ 5,785,211	$ 8,157,447
2025	277,190	84,714	192,476	$ 25.78	$ 33.77	$ 2,183,658	$ 6,500,488	$ 8,684,146
2026	277,190	88,479	188,712	$ 26.77	$ 34.27	$ 2,368,457	$ 6,467,748	$ 8,836,205
2027	277,190	79,027	198,164	$ 26.49	$ 34.35	$ 2,093,657	$ 6,807,303	$ 8,900,960
2028	277,190	67,248	209,943	$ 28.66	$ 34.52	$ 1,927,174	$ 7,247,965	$ 9,175,139
2029	277,190	70,534	206,656	$ 28.12	$ 35.10	$ 1,983,363	$ 7,253,591	$ 9,236,954
2030	277,190	68,590	208,600	$ 28.32	$ 35.76	$ 1,942,291	$ 7,459,284	$ 9,401,575
2031	277,190	60,583	216,607	$ 28.23	$ 36.72	$ 1,710,301	$ 7,954,864	$ 9,665,165
2032	277,190	55,351	221,840	$ 30.34	$ 38.43	$ 1,679,440	$ 8,524,610	$ 10,204,050
2033	277,190	60,299	216,891	$ 30.20	$ 39.79	$ 1,821,276	$ 8,631,037	$ 10,452,313
2034	277,190	53,248	223,942	$ 30.31	$ 41.14	$ 1,613,732	$ 9,214,079	$ 10,827,812
2035	277,190	55,170	222,020	$ 31.89	$ 41.89	$ 1,759,455	$ 9,301,412	$ 11,060,868
2036	277,190	49,697	227,494	$ 30.93	$ 42.32	$ 1,537,351	$ 9,626,734	$ 11,164,085



Average Avoided Cost ($/MWh)
$ 19.90
$ 19.64
$ 21.79
$ 24.23
$ 25.22
$ 26.42
$ 28.42
$ 29.43
$ 31.33
$ 31.88
$ 32.11
$ 33.10
$ 33.32
$ 33.92
$ 34.87
$ 36.81
$ 37.71
$ 39.06
$ 39.90
$ 40.28



Books	South Dakota
Date Intervals	Monthly
Stats	Mean
	0 Simulation
Study Portfolios	

Heavy Load

				2017-01	2017-02	2017-03	2017-04	2017-05
MARKETPRICE - Market Price $/Unit								
Forward Curve								
NWE Purchase Price - Load								
MEAN				$ 31.72	$ 31.77	$ 30.27	$ 28.02	$ 27.72
NWE Sales Price - Neal								
MARKETPRICE - Market Price $/Unit				$ 31.76	$ 31.81	$ 30.31	$ 28.06	$ 27.76
PRB								
MEAN				$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89
Big Stone Heat Rate	10872	tCO2/MWh	1.010959					
Big Stone VOM				1.37	1.37	1.37	1.37	1.37
Big Stone Fuel Deliv				1.44	1.44	1.44	1.44	1.44
Big Stone Variable Cost								
MEAN				$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67
free purchase price								
MEAN				$ 31.72	$ 31.77	$ 30.27	$ 28.02	$ 27.72
Big Stone Variable Cost								
MEAN				$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67

Offsetting Generation sales price		$ 31.76	$ 31.81	$ 30.31	$ 28.06	$ 27.76
Coyote variable cost	11100	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63
Neal variable cost	10000	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25
price less than neal =$0		$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67
Coyote transport		0.98	0.98	0.98	0.98	0.98
Coyote v.o.m.		0.89	0.89	0.89	0.89	0.89
Neal transport		1.09	1.09	1.09	1.09	1.09
Neal v.o.m.		0.45	0.45	0.45	0.45	0.45

2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06
$ 26.72	$ 36.47	$ 32.97	$ 29.07	$ 24.12	$ 24.07	$ 26.67	$ 35.32	$ 32.92	$ 27.17	$ 24.72	$ 25.57	$ 25.37
$ 26.76	$ 36.51	$ 33.01	$ 29.11	$ 24.16	$ 24.11	$ 26.71	$ 35.36	$ 32.96	$ 27.21	$ 24.76	$ 25.61	$ 25.41
$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97
1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.40	1.40	1.40	1.40	1.40	1.40
1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.43	1.43	1.43	1.43	1.43	1.43
$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49
$ 26.72	$ 36.47	$ 32.97	$ 29.07	$ 24.12	$ 24.07	$ 26.67	$ 35.32	$ 32.92	$ 27.17	$ 24.72	$ 25.57	$ 25.37
$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49

$ 26.76	$ 36.51	$ 33.01	$ 29.11	$ 24.16	$ 24.11	$ 26.71	$ 35.36	$ 32.96	$ 27.21	$ 24.76	$ 25.61	$ 25.41
$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88
$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77
$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 21.63	$ 21.63	$ 26.67	$ 27.49	$ 27.49	$ 22.77	$ 22.77	$ 22.77	$ 22.77
0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.83	0.83	0.83	0.83	0.83	0.83
0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.91	0.91	0.91	0.91	0.91	0.91
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.26	1.26	1.26	1.26	1.26	1.26
0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.46

2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07
$ 31.97	$ 29.07	$ 24.52	$ 24.67	$ 24.57	$ 25.07	$ 38.59	$ 35.97	$ 29.68	$ 27.00	$ 27.93	$ 27.71	$ 34.93
$ 32.01	$ 29.11	$ 24.56	$ 24.71	$ 24.61	$ 25.11	$ 38.63	$ 36.01	$ 29.72	$ 27.04	$ 27.97	$ 27.75	$ 34.97
$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99
1.40	1.40	1.40	1.40	1.40	1.40	1.43	1.43	1.43	1.43	1.43	1.43	1.43
1.43	1.43	1.43	1.43	1.43	1.43	1.49	1.49	1.49	1.49	1.49	1.49	1.49
$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35
$ 31.97	$ 29.07	$ 24.52	$ 24.67	$ 24.57	$ 25.07	$ 38.59	$ 35.97	$ 29.68	$ 27.00	$ 27.93	$ 27.71	$ 34.93
$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35

$ 32.01	$ 29.11	$ 24.56	$ 24.71	$ 24.61	$ 25.11	$ 38.63	$ 36.01	$ 29.72	$ 27.04	$ 27.97	$ 27.75	$ 34.97
$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26
$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27
$ 27.49	$ 27.49	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 28.35	$ 28.35	$ 28.35	$ 24.26	$ 24.26	$ 24.26	$ 28.35
0.83	0.83	0.83	0.83	0.83	0.83	1.11	1.11	1.11	1.11	1.11	1.11	1.11
0.91	0.91	0.91	0.91	0.91	0.91	0.93	0.93	0.93	0.93	0.93	0.93	0.93
1.26	1.26	1.26	1.26	1.26	1.26	1.29	1.29	1.29	1.29	1.29	1.29	1.29
0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47

2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08
$ 31.76	$ 26.78	$ 26.95	$ 26.84	$ 27.38	$ 42.03	$ 39.17	$ 32.31	$ 29.39	$ 30.41	$ 30.17	$ 38.03	$ 34.58
$ 31.80	$ 26.82	$ 26.98	$ 26.88	$ 27.42	$ 42.06	$ 39.20	$ 32.35	$ 29.43	$ 30.44	$ 30.21	$ 38.07	$ 34.62
$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01
1.43	1.43	1.43	1.43	1.43	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
1.49	1.49	1.49	1.49	1.49	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15
$ 31.76	$ 26.78	$ 26.95	$ 26.84	$ 27.38	$ 42.03	$ 39.17	$ 32.31	$ 29.39	$ 30.41	$ 30.17	$ 38.03	$ 34.58
$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15

$ 31.80	$ 26.82	$ 26.98	$ 26.88	$ 27.42	$ 42.06	$ 39.20	$ 32.35	$ 29.43	$ 30.44	$ 30.21	$ 38.07	$ 34.62
$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80
$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52
$ 28.35	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15
1.11	1.11	1.11	1.11	1.11	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
0.93	0.93	0.93	0.93	0.93	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
1.29	1.29	1.29	1.29	1.29	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
0.47	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48

2020-09	2020-10	2020-11	2020-12	2021-01	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09
$ 29.15	$ 29.33	$ 29.21	$ 29.81	$ 44.10	$ 41.10	$ 33.91	$ 30.84	$ 31.90	$ 31.65	$ 39.91	$ 36.28	$ 30.59
$ 29.19	$ 29.37	$ 29.25	$ 29.85	$ 44.14	$ 41.14	$ 33.94	$ 30.88	$ 31.94	$ 31.69	$ 39.95	$ 36.32	$ 30.63
$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03
1.46	1.46	1.46	1.46	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.54	1.54	1.54	1.54	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95
$ 29.15	$ 29.33	$ 29.21	$ 29.81	$ 44.10	$ 41.10	$ 33.91	$ 30.84	$ 31.90	$ 31.65	$ 39.91	$ 36.28	$ 30.59
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95

$ 29.19	$ 29.37	$ 29.25	$ 29.85	$ 44.14	$ 41.14	$ 33.94	$ 30.88	$ 31.94	$ 31.69	$ 39.95	$ 36.32	$ 30.63
$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70
$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95
0.87	0.87	0.87	0.87	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
0.95	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
1.39	1.39	1.39	1.39	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49

2021-10	2021-11	2021-12	2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10
$ 30.78	$ 30.65	$ 31.28	$ 45.66	$ 42.55	$ 35.11	$ 31.93	$ 33.03	$ 32.77	$ 41.32	$ 37.57	$ 31.67	$ 31.87
$ 30.82	$ 30.69	$ 31.32	$ 45.70	$ 42.59	$ 35.14	$ 31.97	$ 33.07	$ 32.81	$ 41.36	$ 37.61	$ 31.71	$ 31.91
$ 1.03	$ 1.03	$ 1.03	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06
1.48	1.48	1.48	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
1.59	1.59	1.59	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92
$ 30.78	$ 30.65	$ 31.28	$ 45.66	$ 42.55	$ 35.11	$ 31.93	$ 33.03	$ 32.77	$ 41.32	$ 37.57	$ 31.67	$ 31.87
$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92

$ 30.82	$ 30.69	$ 31.32	$ 45.70	$ 42.59	$ 35.14	$ 31.97	$ 33.07	$ 32.81	$ 41.36	$ 37.61	$ 31.71	$ 31.91
$ 23.70	$ 23.70	$ 23.70	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26
$ 25.51	$ 25.51	$ 25.51	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65
$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92
1.02	1.02	1.02	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
0.97	0.97	0.97	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
1.47	1.47	1.47	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

2022-11	2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11
$ 31.74	$ 32.39	$ 48.47	$ 45.17	$ 37.26	$ 33.89	$ 35.06	$ 34.78	$ 43.86	$ 39.87	$ 33.61	$ 33.82	$ 33.68
$ 31.78	$ 32.42	$ 48.51	$ 45.21	$ 37.30	$ 33.93	$ 35.10	$ 34.82	$ 43.90	$ 39.91	$ 33.65	$ 33.86	$ 33.72
$ 1.06	$ 1.06	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09
1.51	1.51	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
1.64	1.64	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84
$ 31.74	$ 32.39	$ 48.47	$ 45.17	$ 37.26	$ 33.89	$ 35.06	$ 34.78	$ 43.86	$ 39.87	$ 33.61	$ 33.82	$ 33.68
$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84

$ 31.78	$ 32.42	$ 48.51	$ 45.21	$ 37.30	$ 33.93	$ 35.10	$ 34.82	$ 43.90	$ 39.91	$ 33.65	$ 33.86	$ 33.72
$ 24.26	$ 24.26	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74
$ 26.65	$ 26.65	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73
$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84
1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1.56	1.56	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51

2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12
$ 34.37	$ 50.68	$ 47.23	$ 38.96	$ 35.43	$ 36.65	$ 36.37	$ 45.86	$ 41.69	$ 35.14	$ 35.36	$ 35.21	$ 35.93
$ 34.41	$ 50.72	$ 47.27	$ 38.99	$ 35.47	$ 36.69	$ 36.40	$ 45.90	$ 41.73	$ 35.18	$ 35.40	$ 35.25	$ 35.97
$ 1.09	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11
1.54	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
1.70	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74
$ 34.37	$ 50.68	$ 47.23	$ 38.96	$ 35.43	$ 36.65	$ 36.37	$ 45.86	$ 41.69	$ 35.14	$ 35.36	$ 35.21	$ 35.93
$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74

$ 34.41	$ 50.72	$ 47.27	$ 38.99	$ 35.47	$ 36.69	$ 36.40	$ 45.90	$ 41.73	$ 35.18	$ 35.40	$ 35.25	$ 35.97
$ 24.74	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21
$ 27.73	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71
$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74
1.05	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
1.63	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52

2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026-01
$ 53.10	$ 49.48	$ 40.81	$ 37.12	$ 38.40	$ 38.10	$ 48.05	$ 43.68	$ 36.82	$ 37.04	$ 36.89	$ 37.65	$ 54.11
$ 53.14	$ 49.52	$ 40.85	$ 37.16	$ 38.44	$ 38.14	$ 48.09	$ 43.71	$ 36.85	$ 37.08	$ 36.93	$ 37.68	$ 54.15
$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.18
1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.64
1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.80
$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 34.08
$ 53.10	$ 49.48	$ 40.81	$ 37.12	$ 38.40	$ 38.10	$ 48.05	$ 43.68	$ 36.82	$ 37.04	$ 36.89	$ 37.65	$ 54.11
$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 34.08

$ 53.14	$ 49.52	$ 40.85	$ 37.16	$ 38.44	$ 38.14	$ 48.09	$ 43.71	$ 36.85	$ 37.08	$ 36.93	$ 37.68	$ 54.15
$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 26.24
$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 30.48
$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 34.08
1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.09
1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.07
1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.81
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54

2026-02	2026-03	2026-04	2026-05	2026-06	2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02
$ 50.42	$ 41.59	$ 37.83	$ 39.13	$ 38.82	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.59	$ 38.36	$ 54.12	$ 50.43
$ 50.46	$ 41.63	$ 37.86	$ 39.17	$ 38.86	$ 49.00	$ 44.55	$ 37.56	$ 37.79	$ 37.63	$ 38.40	$ 54.16	$ 50.47
$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.22	$ 1.22
1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.67	1.67
1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.83	1.83
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78	$ 34.78
$ 50.42	$ 41.59	$ 37.83	$ 39.13	$ 38.82	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.59	$ 38.36	$ 54.12	$ 50.43
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78	$ 34.78

$ 50.46	$ 41.63	$ 37.86	$ 39.17	$ 38.86	$ 49.00	$ 44.55	$ 37.56	$ 37.79	$ 37.63	$ 38.40	$ 54.16	$ 50.47
$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.78	$ 26.78
$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 31.11	$ 31.11
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78	$ 34.78
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.09	1.09
1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.84	1.84
0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55

2027-03	2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03
$ 41.60	$ 37.83	$ 39.14	$ 38.83	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.60	$ 38.37	$ 54.68	$ 50.96	$ 42.03
$ 41.63	$ 37.87	$ 39.18	$ 38.87	$ 49.01	$ 44.55	$ 37.56	$ 37.79	$ 37.64	$ 38.41	$ 54.72	$ 51.00	$ 42.07
$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.25	$ 1.25	$ 1.25
1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.71	1.71	1.71
1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.85	1.85	1.85
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41	$ 35.41
$ 41.60	$ 37.83	$ 39.14	$ 38.83	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.60	$ 38.37	$ 54.68	$ 50.96	$ 42.03
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41	$ 35.41

$ 41.63	$ 37.87	$ 39.18	$ 38.87	$ 49.01	$ 44.55	$ 37.56	$ 37.79	$ 37.64	$ 38.41	$ 54.72	$ 51.00	$ 42.07
$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 27.24	$ 27.24	$ 27.24
$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.67	$ 31.67	$ 31.67
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41	$ 35.41
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.11	1.11	1.11
1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.86	1.86	1.86
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.56	0.56	0.56

2028-04	2028-05	2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04
$ 38.22	$ 39.54	$ 39.23	$ 49.48	$ 44.98	$ 37.91	$ 38.15	$ 37.99	$ 38.77	$ 55.28	$ 51.51	$ 42.49	$ 38.64
$ 38.26	$ 39.58	$ 39.27	$ 49.52	$ 45.02	$ 37.95	$ 38.19	$ 38.03	$ 38.81	$ 55.32	$ 51.55	$ 42.52	$ 38.68
$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.30	$ 1.30	$ 1.30	$ 1.30
1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.74	1.74	1.74	1.74
1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.87	1.87	1.87	1.87
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18	$ 36.18
$ 38.22	$ 39.54	$ 39.23	$ 49.48	$ 44.98	$ 37.91	$ 38.15	$ 37.99	$ 38.77	$ 55.28	$ 51.51	$ 42.49	$ 38.64
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18	$ 36.18

$ 38.26	$ 39.58	$ 39.27	$ 49.52	$ 45.02	$ 37.95	$ 38.19	$ 38.03	$ 38.81	$ 55.32	$ 51.55	$ 42.52	$ 38.68	
$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.85	$ 27.85	$ 27.85	$ 27.85	
$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 32.37	$ 32.37	$ 32.37	$ 32.37	
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18	$ 36.18	
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11	
1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.13	1.13	1.13	1.13	
1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.88	1.88	1.88	1.88	
0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.58	0.58	0.58	0.58	

2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03	2030-04	2030-05
$ 39.97	$ 39.66	$ 50.02	$ 45.47	$ 38.33	$ 38.56	$ 38.41	$ 39.19	$ 56.21	$ 52.38	$ 43.20	$ 39.29	$ 40.65
$ 40.01	$ 39.70	$ 50.06	$ 45.51	$ 38.36	$ 38.60	$ 38.44	$ 39.23	$ 56.25	$ 52.42	$ 43.24	$ 39.33	$ 40.69
$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35
1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.77	1.77	1.77	1.77	1.77
1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88
$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85
$ 39.97	$ 39.66	$ 50.02	$ 45.47	$ 38.33	$ 38.56	$ 38.41	$ 39.19	$ 56.21	$ 52.38	$ 43.20	$ 39.29	$ 40.65
$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85

$ 40.01	$ 39.70	$ 50.06	$ 45.51	$ 38.36	$ 38.60	$ 38.44	$ 39.23	$ 56.25	$ 52.42	$ 43.24	$ 39.33	$ 40.69
$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37
$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98
$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85
1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10
1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.15	1.15	1.15	1.15	1.15
1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89
0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59

2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02	2031-03	2031-04	2031-05	2031-06
$ 40.33	$ 50.87	$ 46.24	$ 38.97	$ 39.21	$ 39.05	$ 39.85	$ 57.66	$ 53.73	$ 44.31	$ 40.30	$ 41.69	$ 41.36
$ 40.37	$ 50.90	$ 46.27	$ 39.01	$ 39.25	$ 39.09	$ 39.89	$ 57.70	$ 53.77	$ 44.35	$ 40.34	$ 41.73	$ 41.40
$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40
1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.81	1.81	1.81	1.81	1.81	1.81
1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89
$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61
$ 40.33	$ 50.87	$ 46.24	$ 38.97	$ 39.21	$ 39.05	$ 39.85	$ 57.66	$ 53.73	$ 44.31	$ 40.30	$ 41.69	$ 41.36
$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61

$ 40.37	$ 50.90	$ 46.27	$ 39.01	$ 39.25	$ 39.09	$ 39.89	$ 57.70	$ 53.77	$ 44.35	$ 40.34	$ 41.73	$ 41.40
$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95
$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65
$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.18	1.18	1.18	1.18	1.18	1.18
1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.90	1.90
0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60

2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07
$ 52.17	$ 47.42	$ 39.97	$ 40.22	$ 40.05	$ 40.87	$ 60.25	$ 56.14	$ 46.30	$ 42.11	$ 43.56	$ 43.22	$ 54.52
$ 52.21	$ 47.46	$ 40.01	$ 40.26	$ 40.09	$ 40.91	$ 60.29	$ 56.18	$ 46.34	$ 42.15	$ 43.60	$ 43.26	$ 54.56
$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44
1.81	1.81	1.81	1.81	1.81	1.81	1.85	1.85	1.85	1.85	1.85	1.85	1.85
1.89	1.89	1.89	1.89	1.89	1.89	1.91	1.91	1.91	1.91	1.91	1.91	1.91
$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30
$ 52.17	$ 47.42	$ 39.97	$ 40.22	$ 40.05	$ 40.87	$ 60.25	$ 56.14	$ 46.30	$ 42.11	$ 43.56	$ 43.22	$ 54.52
$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30

$ 52.21	$ 47.46	$ 40.01	$ 40.26	$ 40.09	$ 40.91	$ 60.29	$ 56.18	$ 46.34	$ 42.15	$ 43.60	$ 43.26	$ 54.56
$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47
$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26
$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30
1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11
1.18	1.18	1.18	1.18	1.18	1.18	1.20	1.20	1.20	1.20	1.20	1.20	1.20
1.90	1.90	1.90	1.90	1.90	1.90	1.93	1.93	1.93	1.93	1.93	1.93	1.93
0.60	0.60	0.60	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.61

2032-08	2032-09	2032-10	2032-11	2032-12	2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08
$ 49.55	$ 41.77	$ 42.02	$ 41.85	$ 42.71	$ 62.16	$ 57.92	$ 47.77	$ 43.44	$ 44.94	$ 44.59	$ 56.25	$ 51.12
$ 49.59	$ 41.80	$ 42.06	$ 41.89	$ 42.75	$ 62.20	$ 57.96	$ 47.81	$ 43.48	$ 44.98	$ 44.63	$ 56.28	$ 51.16
$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
1.85	1.85	1.85	1.85	1.85	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08
$ 49.55	$ 41.77	$ 42.02	$ 41.85	$ 42.71	$ 62.16	$ 57.92	$ 47.77	$ 43.44	$ 44.94	$ 44.59	$ 56.25	$ 51.12
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08

$ 49.59	$ 41.80	$ 42.06	$ 41.89	$ 42.75	$ 62.20	$ 57.96	$ 47.81	$ 43.48	$ 44.98	$ 44.63	$ 56.28	$ 51.16
$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08
$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08
1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.20	1.20	1.20	1.20	1.20	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62

2033-09	2033-10	2033-11	2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09
$ 43.09	$ 43.35	$ 43.18	$ 44.06	$ 64.10	$ 59.73	$ 49.25	$ 44.79	$ 46.34	$ 45.98	$ 58.00	$ 52.72	$ 44.43
$ 43.13	$ 43.39	$ 43.21	$ 44.10	$ 64.14	$ 59.77	$ 49.29	$ 44.83	$ 46.38	$ 46.02	$ 58.04	$ 52.75	$ 44.47
$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55
1.88	1.88	1.88	1.88	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
1.92	1.92	1.92	1.92	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85
$ 43.09	$ 43.35	$ 43.18	$ 44.06	$ 64.10	$ 59.73	$ 49.25	$ 44.79	$ 46.34	$ 45.98	$ 58.00	$ 52.72	$ 44.43
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85

$ 43.13	$ 43.39	$ 43.21	$ 44.10	$ 64.14	$ 59.77	$ 49.29	$ 44.83	$ 46.38	$ 46.02	$ 58.04	$ 52.75	$ 44.47
$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66
$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.23	1.23	1.23	1.23	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
1.93	1.93	1.93	1.93	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
0.62	0.62	0.62	0.62	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64

2034-10	2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10
$ 44.70	$ 44.52	$ 45.43	$ 65.51	$ 61.04	$ 50.34	$ 45.78	$ 47.36	$ 46.99	$ 59.27	$ 53.88	$ 45.41	$ 45.68
$ 44.74	$ 44.56	$ 45.47	$ 65.55	$ 61.08	$ 50.38	$ 45.82	$ 47.40	$ 47.03	$ 59.31	$ 53.91	$ 45.44	$ 45.72
$ 1.55	$ 1.55	$ 1.55	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59
1.92	1.92	1.92	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96
1.94	1.94	1.94	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68
$ 44.70	$ 44.52	$ 45.43	$ 65.51	$ 61.04	$ 50.34	$ 45.78	$ 47.36	$ 46.99	$ 59.27	$ 53.88	$ 45.41	$ 45.68
$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68

$ 44.74	$ 44.56	$ 45.47	$ 65.55	$ 61.08	$ 50.38	$ 45.82	$ 47.40	$ 47.03	$ 59.31	$ 53.91	$ 45.44	$ 45.72
$ 30.66	$ 30.66	$ 30.66	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31
$ 35.65	$ 35.65	$ 35.65	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40
$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68
1.10	1.10	1.10	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
1.25	1.25	1.25	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
1.95	1.95	1.95	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65

2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07	2036-08	2036-09	2036-10	2036-11
$ 45.50	$ 46.43	$ 66.04	$ 61.53	$ 50.74	$ 46.14	$ 47.74	$ 47.36	$ 59.75	$ 54.31	$ 45.77	$ 46.05	$ 45.86
$ 45.54	$ 46.47	$ 66.07	$ 61.57	$ 50.78	$ 46.18	$ 47.78	$ 47.40	$ 59.79	$ 54.35	$ 45.81	$ 46.09	$ 45.90
$ 1.59	$ 1.59	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64
1.96	1.96	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
1.97	1.97	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53
$ 45.50	$ 46.43	$ 66.04	$ 61.53	$ 50.74	$ 46.14	$ 47.74	$ 47.36	$ 59.75	$ 54.31	$ 45.77	$ 46.05	$ 45.86
$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53

$ 45.54	$ 46.47	$ 66.07	$ 61.57	$ 50.78	$ 46.18	$ 47.78	$ 47.40	$ 59.79	$ 54.35	$ 45.81	$ 46.09	$ 45.90
$ 31.31	$ 31.31	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97
$ 36.40	$ 36.40	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17
$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53
1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
1.27	1.27	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
1.98	1.98	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
0.65	0.65	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

	Light Load											
2036-12		**2017-01**	**2017-02**	**2017-03**	**2017-04**	**2017-05**	**2017-06**	**2017-07**	**2017-08**	**2017-09**	**2017-10**	**2017-11**
$ 46.80		$ 25.52	$ 22.27	$ 18.17	$ 14.27	$ 16.22	$ 15.82	$ 18.12	$ 15.82	$ 16.37	$ 17.32	$ 16.57
$ 46.84		$ 25.56	$ 22.31	$ 18.21	$ 14.31	$ 16.26	$ 15.86	$ 18.16	$ 15.86	$ 16.41	$ 17.36	$ 16.61
$ 1.64		$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89	$ 0.89
2.00		1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37
2.00		1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
$ 41.53		$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67
$ 46.80		$ 25.52	$ 22.27	$ 18.17	$ 14.27	$ 16.22	$ 15.82	$ 18.12	$ 15.82	$ 16.37	$ 17.32	$ 16.57
$ 41.53	$ -	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67	$ 26.67

$ 46.84	$ 25.56	$ 22.31	$ 18.21	$ 14.31	$ 16.26	$ 15.86	$ 18.16	$ 15.86	$ 16.41	$ 17.36	$ 16.61				
$ 31.97	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63	$ 21.63				
$ 37.17	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25	$ 20.25				
$ 41.53	$ 21.63	$ 21.63	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
1.12	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98				
1.30	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89				
2.01	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09				
0.67	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45				

2017-12	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12
$ 20.22	$ 26.72	$ 24.37	$ 19.82	$ 18.72	$ 14.82	$ 15.47	$ 17.12	$ 16.77	$ 14.77	$ 16.37	$ 17.22	$ 17.97
$ 20.26	$ 26.76	$ 24.41	$ 19.86	$ 18.76	$ 14.86	$ 15.51	$ 17.16	$ 16.81	$ 14.81	$ 16.41	$ 17.26	$ 18.01
$ 0.89	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97
1.37	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
1.44	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
$ 26.67	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49
$ 20.22	$ 26.72	$ 24.37	$ 19.82	$ 18.72	$ 14.82	$ 15.47	$ 17.12	$ 16.77	$ 14.77	$ 16.37	$ 17.22	$ 17.97
$ 26.67	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49

$	20.26	$	26.76	$	24.41	$	19.86	$	18.76	$	14.86	$	15.51	$	17.16	$	16.81	$	14.81	$	16.41	$	17.26	$	18.01
$	21.63	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88	$	20.88
$	20.25	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77	$	22.77
$	20.25	$	22.77	$	22.77	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-
	0.98		0.83		0.83		0.83		0.83		0.83		0.83		0.83		0.83		0.83		0.83		0.83		0.83
	0.89		0.91		0.91		0.91		0.91		0.91		0.91		0.91		0.91		0.91		0.91		0.91		0.91
	1.09		1.26		1.26		1.26		1.26		1.26		1.26		1.26		1.26		1.26		1.26		1.26		1.26
	0.45		0.46		0.46		0.46		0.46		0.46		0.46		0.46		0.46		0.46		0.46		0.46		0.46

2019-01	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01
$ 29.19	$ 26.62	$ 21.64	$ 20.44	$ 16.17	$ 16.88	$ 18.69	$ 18.30	$ 16.12	$ 17.87	$ 18.80	$ 19.62	$ 31.77
$ 29.23	$ 26.66	$ 21.68	$ 20.48	$ 16.21	$ 16.92	$ 18.73	$ 18.34	$ 16.16	$ 17.91	$ 18.84	$ 19.66	$ 31.81
$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 1.01
1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.46
1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.54
$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 29.15
$ 29.19	$ 26.62	$ 21.64	$ 20.44	$ 16.17	$ 16.88	$ 18.69	$ 18.30	$ 16.12	$ 17.87	$ 18.80	$ 19.62	$ 31.77
$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 29.15

$	29.23	$	26.66	$	21.68	$	20.48	$	16.21	$	16.92	$	18.73	$	18.34	$	16.16	$	17.91	$	18.84	$	19.66	$	31.81
$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	21.80
$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	24.52
$	28.35	$	24.26	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	29.15
	1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11	0.87
	0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93	0.95
	1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29	1.39
	0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47	0.48

2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01	2021-02
$ 28.97	$ 23.55	$ 22.24	$ 17.59	$ 18.37	$ 20.33	$ 19.92	$ 17.53	$ 19.44	$ 20.45	$ 21.35	$ 33.34	$ 30.40
$ 29.01	$ 23.59	$ 22.28	$ 17.63	$ 18.41	$ 20.37	$ 19.96	$ 17.57	$ 19.48	$ 20.49	$ 21.39	$ 33.38	$ 30.44
$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.03	$ 1.03
1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.48	1.48
1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.59	1.59
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95	$ 29.95
$ 28.97	$ 23.55	$ 22.24	$ 17.59	$ 18.37	$ 20.33	$ 19.92	$ 17.53	$ 19.44	$ 20.45	$ 21.35	$ 33.34	$ 30.40
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95	$ 29.95

$ 29.01	$ 23.59	$ 22.28	$ 17.63	$ 18.41	$ 20.37	$ 19.96	$ 17.57	$ 19.48	$ 20.49	$ 21.39	$ 33.38	$ 30.44	
$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 23.70	$ 23.70	
$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 25.51	$ 25.51	
$ 24.52	$ 21.80	$ 21.80	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 29.95	$ 29.95	
0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	1.02	1.02	
0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.97	0.97	
1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.47	1.47	
0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	

2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022-01	2022-02	2022-03
$ 24.71	$ 23.34	$ 18.46	$ 19.27	$ 21.34	$ 20.90	$ 18.40	$ 20.40	$ 21.46	$ 22.40	$ 34.52	$ 31.47	$ 25.58
$ 24.75	$ 23.38	$ 18.50	$ 19.31	$ 21.38	$ 20.94	$ 18.44	$ 20.44	$ 21.50	$ 22.44	$ 34.56	$ 31.51	$ 25.62
$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.06	$ 1.06	$ 1.06
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.51	1.51	1.51
1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.64	1.64	1.64
$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92
$ 24.71	$ 23.34	$ 18.46	$ 19.27	$ 21.34	$ 20.90	$ 18.40	$ 20.40	$ 21.46	$ 22.40	$ 34.52	$ 31.47	$ 25.58
$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92

$ 24.75	$ 23.38	$ 18.50	$ 19.31	$ 21.38	$ 20.94	$ 18.44	$ 20.44	$ 21.50	$ 22.44	$ 34.56	$ 31.51	$ 25.62
$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 24.26	$ 24.26	$ 24.26
$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 26.65	$ 26.65	$ 26.65
$ 23.70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 30.92	$ 30.92	$ 24.26
1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.04	1.04	1.04
0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.99	0.99	0.99
1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.56	1.56	1.56
0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.50

2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023-01	2023-02	2023-03	2023-04
$ 24.16	$ 19.11	$ 19.95	$ 22.08	$ 21.63	$ 19.04	$ 21.11	$ 22.21	$ 23.18	$ 36.64	$ 33.41	$ 27.15	$ 25.64
$ 24.20	$ 19.15	$ 19.99	$ 22.12	$ 21.67	$ 19.08	$ 21.15	$ 22.25	$ 23.22	$ 36.67	$ 33.44	$ 27.18	$ 25.68
$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.09	$ 1.09	$ 1.09	$ 1.09
1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.54	1.54	1.54	1.54
1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.70	1.70	1.70	1.70
$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84
$ 24.16	$ 19.11	$ 19.95	$ 22.08	$ 21.63	$ 19.04	$ 21.11	$ 22.21	$ 23.18	$ 36.64	$ 33.41	$ 27.15	$ 25.64
$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84

$ 24.20	$ 19.15	$ 19.99	$ 22.12	$ 21.67	$ 19.08	$ 21.15	$ 22.25	$ 23.22	$ 36.67	$ 33.44	$ 27.18	$ 25.68
$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.74	$ 24.74	$ 24.74	$ 24.74
$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 27.73	$ 27.73	$ 27.73	$ 27.73
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 31.84	$ 31.84	$ 24.74	$ 24.74
1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.05	1.05
0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00
1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.63	1.63	1.63	1.63
0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51

2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05
$ 20.27	$ 21.17	$ 23.44	$ 22.96	$ 20.20	$ 22.41	$ 23.57	$ 24.61	$ 38.30	$ 34.92	$ 28.38	$ 26.79	$ 21.18
$ 20.30	$ 21.21	$ 23.47	$ 23.00	$ 20.23	$ 22.45	$ 23.60	$ 24.65	$ 38.34	$ 34.96	$ 28.42	$ 26.83	$ 21.22
$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11
1.54 1.70	1.54 1.70	1.54 1.70	1.54 1.70	1.54 1.70	1.54 1.70	1.54 1.70	1.54 1.70	1.58 1.76	1.58 1.76	1.58 1.76	1.58 1.76	1.58 1.76
$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74
$ 20.27	$ 21.17	$ 23.44	$ 22.96	$ 20.20	$ 22.41	$ 23.57	$ 24.61	$ 38.30	$ 34.92	$ 28.38	$ 26.79	$ 21.18
$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74

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2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06
$ 22.12	$ 24.49	$ 23.99	$ 21.11	$ 23.41	$ 24.64	$ 25.72	$ 40.13	$ 36.59	$ 29.73	$ 28.07	$ 22.19	$ 23.17
$ 22.16	$ 24.53	$ 24.03	$ 21.15	$ 23.45	$ 24.68	$ 25.76	$ 40.17	$ 36.63	$ 29.77	$ 28.11	$ 22.23	$ 23.21
$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15
1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.61	1.61	1.61	1.61	1.61	1.61
1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.78	1.78	1.78	1.78	1.78	1.78
$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42
$ 22.12	$ 24.49	$ 23.99	$ 21.11	$ 23.41	$ 24.64	$ 25.72	$ 40.13	$ 36.59	$ 29.73	$ 28.07	$ 22.19	$ 23.17
$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42

$ 22.16	$ 24.53	$ 24.03	$ 21.15	$ 23.45	$ 24.68	$ 25.76	$ 40.17	$ 36.63	$ 29.77	$ 28.11	$ 22.23	$ 23.21
$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74
$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90
$ -	$ -	$ -	$ -	$ -	$ -	$ 25.21	$ 33.42	$ 33.42	$ 25.74	$ 25.74	$ -	$ -
1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.05	1.05	1.05	1.05	1.05	1.05
1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.79	1.79	1.79	1.79	1.79	1.79
0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53

2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07
$ 25.66	$ 25.13	$ 22.11	$ 24.53	$ 25.81	$ 26.94	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62	$ 26.15
$ 25.70	$ 25.17	$ 22.15	$ 24.57	$ 25.85	$ 26.98	$ 40.93	$ 37.32	$ 30.33	$ 28.64	$ 22.65	$ 23.65	$ 26.18
$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18
1.61	1.61	1.61	1.61	1.61	1.61	1.64	1.64	1.64	1.64	1.64	1.64	1.64
1.78	1.78	1.78	1.78	1.78	1.78	1.80	1.80	1.80	1.80	1.80	1.80	1.80
$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08
$ 25.66	$ 25.13	$ 22.11	$ 24.53	$ 25.81	$ 26.94	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62	$ 26.15
$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08

$ 25.70	$ 25.17	$ 22.15	$ 24.57	$ 25.85	$ 26.98	$ 40.93	$ 37.32	$ 30.33	$ 28.64	$ 22.65	$ 23.65	$ 26.18
$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24
$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48
$ -	$ -	$ -	$ -	$ 25.74	$ 25.74	$ 34.08	$ 34.08	$ 26.24	$ 26.24	$ -	$ -	$ -
1.07	1.07	1.07	1.07	1.07	1.07	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.05	1.05	1.05	1.05	1.05	1.05	1.07	1.07	1.07	1.07	1.07	1.07	1.07
1.79	1.79	1.79	1.79	1.79	1.79	1.81	1.81	1.81	1.81	1.81	1.81	1.81
0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54

2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06	2027-07	2027-08
$ 25.61	$ 22.54	$ 25.00	$ 26.30	$ 27.46	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62	$ 26.15	$ 25.61
$ 25.64	$ 22.57	$ 25.03	$ 26.33	$ 27.49	$ 40.94	$ 37.33	$ 30.34	$ 28.65	$ 22.66	$ 23.66	$ 26.19	$ 25.65
$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22
1.64	1.64	1.64	1.64	1.64	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
1.80	1.80	1.80	1.80	1.80	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78
$ 25.61	$ 22.54	$ 25.00	$ 26.30	$ 27.46	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62	$ 26.15	$ 25.61
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78

$ 25.64	$ 22.57	$ 25.03	$ 26.33	$ 27.49	$ 40.94	$ 37.33	$ 30.34	$ 28.65	$ 22.66	$ 23.66	$ 26.19	$ 25.65
$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78
$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11
$ -	$ -	$ -	$ 26.24	$ 26.24	$ 34.78	$ 34.78	$ 26.78	$ 26.78	$ -	$ -	$ -	$ -
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.07	1.07	1.07	1.07	1.07	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.81	1.81	1.81	1.81	1.81	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55

2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05	2028-06	2028-07	2028-08	2028-09
$ 22.54	$ 25.00	$ 26.31	$ 27.46	$ 41.33	$ 37.68	$ 30.62	$ 28.91	$ 22.85	$ 23.86	$ 26.42	$ 25.88	$ 22.78
$ 22.58	$ 25.04	$ 26.35	$ 27.50	$ 41.37	$ 37.72	$ 30.66	$ 28.95	$ 22.89	$ 23.90	$ 26.46	$ 25.92	$ 22.82
$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25
1.67	1.67	1.67	1.67	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
1.83	1.83	1.83	1.83	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41
$ 22.54	$ 25.00	$ 26.31	$ 27.46	$ 41.33	$ 37.68	$ 30.62	$ 28.91	$ 22.85	$ 23.86	$ 26.42	$ 25.88	$ 22.78
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41

$ 22.58	$ 25.04	$ 26.35	$ 27.50	$ 41.37	$ 37.72	$ 30.66	$ 28.95	$ 22.89	$ 23.90	$ 26.46	$ 25.92	$ 22.82
$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24
$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67
$ -	$ -	$ -	$ 26.78	$ 35.41	$ 35.41	$ 27.24	$ 27.24	$ -	$ -	$ -	$ -	$ -
1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.09	1.09	1.09	1.09	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
1.84	1.84	1.84	1.84	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56

2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09	2029-10
$ 25.26	$ 26.58	$ 27.74	$ 41.78	$ 38.09	$ 30.95	$ 29.22	$ 23.10	$ 24.12	$ 26.71	$ 26.16	$ 23.02	$ 25.53
$ 25.30	$ 26.62	$ 27.78	$ 41.82	$ 38.13	$ 30.99	$ 29.26	$ 23.14	$ 24.16	$ 26.75	$ 26.20	$ 23.06	$ 25.57
$ 1.25	$ 1.25	$ 1.25	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30
1.71	1.71	1.71	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74
1.85	1.85	1.85	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18
$ 25.26	$ 26.58	$ 27.74	$ 41.78	$ 38.09	$ 30.95	$ 29.22	$ 23.10	$ 24.12	$ 26.71	$ 26.16	$ 23.02	$ 25.53
$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18

$ 25.30	$ 26.62	$ 27.78	$ 41.82	$ 38.13	$ 30.99	$ 29.26	$ 23.14	$ 24.16	$ 26.75	$ 26.20	$ 23.06	$ 25.57
$ 27.24	$ 27.24	$ 27.24	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85
$ 31.67	$ 31.67	$ 31.67	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37
$ -	$ -	$ 27.24	$ 36.18	$ 36.18	$ 27.85	$ 27.85	$ -	$ -	$ -	$ -	$ -	$ -
1.10	1.10	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
1.11	1.11	1.11	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
1.86	1.86	1.86	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
0.56	0.56	0.56	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58

2029-11	2029-12	2030-01	2030-02	2030-03	2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11
$ 26.87	$ 28.05	$ 42.48	$ 38.73	$ 31.47	$ 29.71	$ 23.49	$ 24.53	$ 27.16	$ 26.60	$ 23.41	$ 25.96	$ 27.32
$ 26.91	$ 28.09	$ 42.52	$ 38.77	$ 31.51	$ 29.75	$ 23.53	$ 24.57	$ 27.20	$ 26.64	$ 23.45	$ 26.00	$ 27.36
$ 1.30	$ 1.30	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35
1.74	1.74	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85
$ 26.87	$ 28.05	$ 42.48	$ 38.73	$ 31.47	$ 29.71	$ 23.49	$ 24.53	$ 27.16	$ 26.60	$ 23.41	$ 25.96	$ 27.32
$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85

$ 26.91	$ 28.09	$ 42.52	$ 38.77	$ 31.51	$ 29.75	$ 23.53	$ 24.57	$ 27.20	$ 26.64	$ 23.45	$ 26.00	$ 27.36
$ 27.85	$ 27.85	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37
$ 32.37	$ 32.37	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98
$ -	$ 27.85	$ 36.85	$ 36.85	$ 28.37	$ 28.37	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.13	1.13	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59

2030-12	2031-01	2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12
$ 28.52	$ 43.58	$ 39.73	$ 32.28	$ 30.48	$ 24.09	$ 25.15	$ 27.85	$ 27.28	$ 24.01	$ 26.63	$ 28.02	$ 29.25
$ 28.56	$ 43.62	$ 39.77	$ 32.32	$ 30.52	$ 24.13	$ 25.19	$ 27.89	$ 27.32	$ 24.05	$ 26.67	$ 28.06	$ 29.29
$ 1.35	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40
1.77	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61
$ 28.52	$ 43.58	$ 39.73	$ 32.28	$ 30.48	$ 24.09	$ 25.15	$ 27.85	$ 27.28	$ 24.01	$ 26.63	$ 28.02	$ 29.25
$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61

$ 28.56	$ 43.62	$ 39.77	$ 32.32	$ 30.52	$ 24.13	$ 25.19	$ 27.89	$ 27.32	$ 24.05	$ 26.67	$ 28.06	$ 29.29	
$ 28.37	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	
$ 32.98	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	
$ 28.37	$ 37.61	$ 37.61	$ 28.95	$ 28.95	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 28.95	
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	
1.15	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	
1.89	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	
0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	

2032-01	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10	2032-11	2032-12	2033-01
$ 45.53	$ 41.51	$ 33.72	$ 31.84	$ 25.16	$ 26.28	$ 29.10	$ 28.50	$ 25.08	$ 27.82	$ 29.27	$ 30.56	$ 46.97
$ 45.57	$ 41.55	$ 33.76	$ 31.88	$ 25.20	$ 26.32	$ 29.14	$ 28.54	$ 25.12	$ 27.86	$ 29.31	$ 30.60	$ 47.01
$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.50
1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.88
1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08
$ 45.53	$ 41.51	$ 33.72	$ 31.84	$ 25.16	$ 26.28	$ 29.10	$ 28.50	$ 25.08	$ 27.82	$ 29.27	$ 30.56	$ 46.97
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08

$ 45.57	$ 41.55	$ 33.76	$ 31.88	$ 25.20	$ 26.32	$ 29.14	$ 28.54	$ 25.12	$ 27.86	$ 29.31	$ 30.60	$ 47.01
$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 30.08
$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.96
$ 38.30	$ 38.30	$ 29.47	$ 29.47	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 29.47	$ 39.08
1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10
1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.23
1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62

2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12	2034-01	2034-02
$ 42.82	$ 34.79	$ 32.85	$ 25.96	$ 27.11	$ 30.02	$ 29.40	$ 25.87	$ 28.69	$ 30.20	$ 31.52	$ 48.43	$ 44.15
$ 42.86	$ 34.83	$ 32.89	$ 26.00	$ 27.15	$ 30.06	$ 29.44	$ 25.91	$ 28.73	$ 30.24	$ 31.56	$ 48.47	$ 44.19
$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.55	$ 1.55
1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.92	1.92
1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.94	1.94
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85
$ 42.82	$ 34.79	$ 32.85	$ 25.96	$ 27.11	$ 30.02	$ 29.40	$ 25.87	$ 28.69	$ 30.20	$ 31.52	$ 48.43	$ 44.15
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85

$ 42.86	$ 34.83	$ 32.89	$ 26.00	$ 27.15	$ 30.06	$ 29.44	$ 25.91	$ 28.73	$ 30.24	$ 31.56	$ 48.47	$ 44.19	
$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.66	$ 30.66	
$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 35.65	$ 35.65	
$ 39.08	$ 30.08	$ 30.08	$ -	$ -	$ -	$ -	$ -	$ -	$ 30.08	$ 30.08	$ 39.85	$ 39.85	
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.25	1.25	
1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.95	1.95	
0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.64	0.64	

2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10	2034-11	2034-12	2035-01	2035-02	2035-03
$ 35.87	$ 33.86	$ 26.76	$ 27.94	$ 30.95	$ 30.31	$ 26.67	$ 29.58	$ 31.13	$ 32.50	$ 49.50	$ 45.12	$ 36.65
$ 35.91	$ 33.90	$ 26.80	$ 27.98	$ 30.99	$ 30.35	$ 26.71	$ 29.62	$ 31.17	$ 32.54	$ 49.54	$ 45.16	$ 36.69
$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.59	$ 1.59	$ 1.59
1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.96	1.96	1.96
1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.97	1.97	1.97
$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68
$ 35.87	$ 33.86	$ 26.76	$ 27.94	$ 30.95	$ 30.31	$ 26.67	$ 29.58	$ 31.13	$ 32.50	$ 49.50	$ 45.12	$ 36.65
$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68

$ 35.91	$ 33.90	$ 26.80	$ 27.98	$ 30.99	$ 30.35	$ 26.71	$ 29.62	$ 31.17	$ 32.54	$ 49.54	$ 45.16	$ 36.69
$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 31.31	$ 31.31	$ 31.31
$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 36.40	$ 36.40	$ 36.40
$ 35.65	$ 30.66	$ -	$ -	$ 30.66	$ -	$ -	$ -	$ 30.66	$ 30.66	$ 40.68	$ 40.68	$ 36.40
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.12	1.12	1.12
1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.27	1.27	1.27
1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.98	1.98	1.98
0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.65

2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04
$ 34.61	$ 27.35	$ 28.56	$ 31.63	$ 30.98	$ 27.25	$ 30.23	$ 31.81	$ 33.21	$ 49.90	$ 45.49	$ 36.95	$ 34.88
$ 34.65	$ 27.39	$ 28.60	$ 31.67	$ 31.02	$ 27.29	$ 30.27	$ 31.85	$ 33.25	$ 49.94	$ 45.53	$ 36.99	$ 34.92
$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.64	$ 1.64	$ 1.64	$ 1.64
1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	2.00	2.00	2.00	2.00
1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	2.00	2.00	2.00	2.00
$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53
$ 34.61	$ 27.35	$ 28.56	$ 31.63	$ 30.98	$ 27.25	$ 30.23	$ 31.81	$ 33.21	$ 49.90	$ 45.49	$ 36.95	$ 34.88
$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53

$ 34.65	$ 27.39	$ 28.60	$ 31.67	$ 31.02	$ 27.29	$ 30.27	$ 31.85	$ 33.25	$ 49.94	$ 45.53	$ 36.99	$ 34.92
$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.97	$ 31.97	$ 31.97	$ 31.97
$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 37.17	$ 37.17	$ 37.17	$ 37.17
$ 31.31	$ -	$ -	$ 31.31	$ -	$ -	$ -	$ 31.31	$ 31.31	$ 41.53	$ 41.53	$ 31.97	$ 31.97
1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.30	1.30	1.30	1.30
1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.01	2.01	2.01	2.01
0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.67	0.67	0.67	0.67

2036-05	2036-06	2036-07	2036-08	2036-09	2036-10	2036-11	2036-12
$ 27.56	$ 28.78	$ 31.88	$ 31.22	$ 27.47	$ 30.47	$ 32.07	$ 33.48
$ 27.60	$ 28.82	$ 31.92	$ 31.26	$ 27.51	$ 30.51	$ 32.11	$ 33.52
$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53
$ 27.56	$ 28.78	$ 31.88	$ 31.22	$ 27.47	$ 30.47	$ 32.07	$ 33.48
$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53

$ 27.60	$ 28.82	$ 31.92	$ 31.26	$ 27.51	$ 30.51	$ 32.11	$ 33.52
$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97
$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17
$ -	$ -	$ -	$ -	$ -	$ -	$ 31.97	$ 31.97
1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

Books	SouthDakota
Study Portfolios	
Date Intervals	Monthly
Stats	MEAN

Heavy Load

	2017-01	2017-02	2017-03	2017-04	2017-05	2017-06
MARKETPURCHASESMWH - Spot Purchases MWh						
Total						
MEAN	9,971	8,582	4,817	2,986	9,204	11,627
MARKETSALESMWH - Spot Sales MWh						
Total						
MEAN	10,298	16,357	24,396	26,571	13,758	12,990
MARKETPURCHASESMWH - Spot Purchases MWh						
Total						
MEAN	16,852	13,643	8,723	5,967	15,837	17,978
MARKETSALESMWH - Spot Sales MWh						
Total						
MEAN	3,681	10,261	16,318	18,439	8,678	8,474
Offsetting Generation MWh						
MEAN	6,617	6,096	8,079	8,131	5,080	4,516
Offset Purchases MWh						
MEAN	6,881	5,060	3,905	2,981	6,632	6,351
	2017	2017	2017	2017	2017	2017
Value of offset purchases						
MEAN	$ 218,278	$ 160,767	$ 118,214	$ 83,528	$ 183,847	$ 169,702

Offsetting Generation Avoided Cost												
MEAN	$	176,448	$	162,548	$	215,423	$	216,831	$	135,455	$	120,423
Value of offset purchases												
MEAN	$	218,278	$	160,767	$	118,214	$	83,528	$	183,847	$	169,702

2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03
9,371	10,647	9,820	5,720	7,659	11,581	12,083	11,463	7,898
14,064	17,314	17,055	20,586	13,412	7,019	17,544	14,526	16,018
12,643	14,696	15,022	11,460	13,560	18,274	18,829	17,169	13,411
10,568	12,834	12,882	13,179	7,639	2,703	10,640	9,242	10,112
3,496	4,480	4,173	7,407	5,773	4,316	6,905	5,284	5,906
3,272	4,049	5,202	5,741	5,902	6,693	6,746	5,706	5,513
2017	2017	2017	2017	2017	2017	2018	2018	2018
$ 119,341	$ 133,481	$ 151,231	$ 138,463	$ 142,052	$ 178,512	$ 238,270	$ 187,851	$ 149,788

$	93,214	$	119,465	$	111,271	$	160,206	$	124,867	$	115,082	$	189,806	$	145,247	$	134,510			
$	119,341	$	133,481	$	151,231	$	138,463	$	142,052	$	178,512	$	238,270	$	187,851	$	149,788			

2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12
4,814	15,097	12,619	17,623	19,521	12,947	7,223	9,060	16,868
19,027	10,662	12,218	8,700	9,949	11,444	18,699	11,250	4,731
9,589	23,262	19,052	22,275	25,062	19,229	13,747	15,508	24,856
12,297	7,091	8,192	6,062	6,968	8,600	11,489	6,196	1,703
6,730	3,572	4,026	2,638	2,981	2,844	7,210	5,055	3,028
4,775	8,165	6,433	4,652	5,541	6,282	6,524	6,448	7,988
2018	2018	2018	2018	2018	2018	2018	2018	2018
$ 118,036	$ 208,789	$ 163,212	$ 148,709	$ 161,090	$ 154,042	$ 160,940	$ 158,423	$ 200,253

$	153,276	$	81,348	$	91,689	$	72,508	$	81,948	$	64,774	$	164,194	$	115,117	$	68,951
$	118,036	$	208,789	$	163,212	$	148,709	$	161,090	$	154,042	$	160,940	$	158,423	$	200,253

2019-01	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09
15,449	14,114	9,246	6,034	13,440	16,696	20,626	20,539	18,545
14,906	12,796	15,338	20,907	12,185	9,308	8,017	8,433	7,631
23,061	20,409	14,785	11,251	21,710	23,369	25,723	26,101	26,050
9,046	8,042	9,995	14,040	8,635	6,207	5,557	5,850	5,570
5,860	4,754	5,343	6,867	3,550	3,101	2,460	2,583	2,060
7,612	6,295	5,540	5,217	8,270	6,673	5,096	5,562	7,505
2019	2019	2019	2019	2019	2019	2019	2019	2019
$ 293,780	$ 226,427	$ 164,419	$ 140,863	$ 230,975	$ 184,918	$ 178,014	$ 176,633	$ 200,995

$	166,133	$	134,761	$	151,459	$	166,577	$	86,117	$	75,229	$	69,737	$	73,214	$	49,980			
$	293,780	$	226,427	$	164,419	$	140,863	$	230,975	$	184,918	$	178,014	$	176,633	$	200,995			

2019-10	2019-11	2019-12	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06
19,514	10,494	18,974	14,962	13,910	10,839	6,409	11,429	14,447
3,801	10,807	5,111	14,156	12,196	15,717	19,405	12,700	12,324
30,914	16,910	27,263	22,488	19,879	16,977	12,051	18,666	21,110
1,344	6,119	1,821	8,194	7,504	10,330	12,931	9,203	8,149
2,457	4,687	3,290	5,962	4,692	5,387	6,474	3,497	4,174
11,400	6,416	8,289	7,526	5,969	6,138	5,642	7,237	6,663
2019	2019	2019	2020	2020	2020	2020	2020	2020
$ 307,170	$ 172,183	$ 226,973	$ 316,304	$ 233,792	$ 198,350	$ 165,837	$ 220,058	$ 201,008

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2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01	2021-02	2021-03
20,732	18,723	18,000	7,673	9,520	19,368	18,076	17,509	13,985
8,635	8,038	10,372	17,864	11,076	5,228	10,875	10,944	14,826
26,028	23,872	25,429	14,227	15,675	28,024	26,056	24,659	21,065
5,963	5,472	7,794	11,150	6,105	1,794	6,544	6,924	9,957
2,672	2,566	2,577	6,714	4,971	3,434	4,331	4,020	4,869
5,296	5,148	7,430	6,554	6,155	8,655	7,980	7,150	7,079
2020	2020	2020	2020	2020	2020	2021	2021	2021
$ 201,443	$ 178,012	$ 216,612	$ 192,252	$ 179,816	$ 258,016	$ 351,908	$ 293,849	$ 240,037

$	77,886	$	74,779	$	75,124	$	195,708	$	144,888	$	100,096	$	129,723	$	120,406	$	145,817			
$	201,443	$	178,012	$	216,612	$	192,252	$	179,816	$	258,016	$	351,908	$	293,849	$	240,037			

2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12
7,519	17,550	15,333	24,193	23,729	19,410	8,349	11,591	22,683
19,398	7,504	11,837	7,117	7,933	9,068	16,689	11,173	5,056
13,649	25,863	22,238	29,591	29,443	27,193	14,922	18,245	32,058
13,260	5,106	7,888	4,854	5,451	6,916	10,524	6,108	1,770
6,138	2,398	3,948	2,262	2,482	2,152	6,165	5,065	3,286
6,129	8,313	6,905	5,399	5,714	7,783	6,573	6,654	9,375
2021	2021	2021	2021	2021	2021	2021	2021	2021
$ 189,044	$ 265,222	$ 218,580	$ 215,453	$ 207,332	$ 238,087	$ 202,315	$ 203,978	$ 293,235

$	183,819	$	71,814	$	118,250	$	67,757	$	74,319	$	64,454	$	184,633	$	151,692	$	98,415		
$	189,044	$	265,222	$	218,580	$	215,453	$	207,332	$	238,087	$	202,315	$	203,978	$	293,235		

2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09
17,079	15,651	11,863	6,960	16,582	21,663	19,800	22,561	20,860
10,610	10,750	15,170	18,153	7,397	6,642	5,849	7,868	7,809
25,090	22,300	18,249	12,359	24,824	29,543	24,628	28,511	28,790
5,604	6,217	9,472	11,983	4,467	3,806	3,881	5,254	5,870
5,005	4,533	5,698	6,170	2,930	2,836	1,968	2,613	1,939
8,011	6,649	6,386	5,399	8,242	7,880	4,829	5,951	7,930
2022	2022	2022	2022	2022	2022	2022	2022	2022
$ 365,785	$ 282,940	$ 224,169	$ 172,402	$ 272,260	$ 258,266	$ 199,529	$ 223,549	$ 251,168

$	154,752	$	140,145	$	176,168	$	190,761	$	90,584	$	87,692	$	60,851	$	80,796	$	59,962			
$	365,785	$	282,940	$	224,169	$	172,402	$	272,260	$	258,266	$	199,529	$	223,549	$	251,168			

2022-10	2022-11	2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06
14,054	11,835	21,371	16,906	15,328	12,180	6,747	16,139	19,068
9,394	11,189	4,385	12,940	11,180	14,850	17,409	9,904	10,366
22,641	18,290	30,286	24,685	21,583	18,419	11,576	24,956	26,399
5,435	5,914	1,267	7,057	6,406	9,041	11,261	6,998	6,858
3,959	5,275	3,118	5,883	4,773	5,809	6,147	2,906	3,508
8,588	6,454	8,915	7,779	6,255	6,239	4,829	8,817	7,331
2022	2022	2022	2023	2023	2023	2023	2023	2023
$ 273,670	$ 204,844	$ 288,714	$ 377,040	$ 282,541	$ 232,444	$ 163,642	$ 309,103	$ 254,985

$	122,395	$	163,107	$	96,395	$	187,283	$	151,958	$	184,927	$	195,706	$	92,509	$	111,693
$	273,670	$	204,844	$	288,714	$	377,040	$	282,541	$	232,444	$	163,642	$	309,103	$	254,985

2023-07	2023-08	2023-09	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03
23,296	26,432	23,001	23,080	15,842	21,623	19,779	19,192	12,906
5,135	7,756	6,221	3,004	8,819	3,419	11,481	9,963	11,780
28,417	32,420	30,829	34,334	23,282	30,207	28,343	26,238	19,259
3,459	5,202	4,521	1,111	4,726	1,024	6,390	5,768	7,171
1,676	2,554	1,700	1,892	4,093	2,395	5,091	4,195	4,609
5,122	5,988	7,828	11,253	7,440	8,584	8,563	7,047	6,354
2023	2023	2023	2023	2023	2023	2024	2024	2024
$ 224,648	$ 238,739	$ 263,120	$ 380,582	$ 250,608	$ 295,010	$ 434,003	$ 332,806	$ 247,511

$	53,367	$	81,313	$	54,113	$	60,244	$	130,304	$	76,249	$	166,696	$	137,363	$	150,909		
$	224,648	$	238,739	$	263,120	$	380,582	$	250,608	$	295,010	$	434,003	$	332,806	$	247,511		

2024-04	2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12
8,663	14,228	17,793	27,092	26,254	19,723	10,831	13,115	25,099
18,566	13,709	9,094	5,116	5,746	9,063	17,221	9,255	3,694
14,668	21,979	24,339	32,836	32,419	26,551	17,997	19,649	34,383
12,525	9,625	5,939	3,320	3,654	6,452	10,494	4,714	1,385
6,041	4,084	3,156	1,796	2,093	2,611	6,727	4,540	2,309
6,005	7,751	6,546	5,744	6,165	6,828	7,167	6,534	9,284
2024	2024	2024	2024	2024	2024	2024	2024	2024
$ 212,772	$ 284,095	$ 238,066	$ 263,406	$ 257,001	$ 239,961	$ 253,409	$ 230,083	$ 333,600

$	197,787	$	133,717	$	103,321	$	58,798	$	68,525	$	85,477	$	220,256	$	148,662	$	75,599		
$	212,772	$	284,095	$	238,066	$	263,406	$	257,001	$	239,961	$	253,409	$	230,083	$	333,600		

2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09
22,003	20,068	15,010	15,702	18,308	20,183	28,674	27,091	24,498
10,795	8,953	10,955	10,035	8,251	6,829	4,339	5,255	7,085
31,104	27,495	21,670	23,954	26,669	27,648	34,741	32,972	32,549
6,047	5,230	6,649	6,227	5,391	3,880	2,862	3,406	5,173
4,748	3,723	4,307	3,808	2,860	2,949	1,476	1,849	1,912
9,101	7,427	6,661	8,252	8,361	7,464	6,066	5,882	8,052
2025	2025	2025	2025	2025	2025	2025	2025	2025
$ 483,276	$ 367,481	$ 271,845	$ 306,296	$ 321,078	$ 284,373	$ 291,492	$ 256,891	$ 296,436

$	158,686	$	124,430	$	143,939	$	127,271	$	95,606	$	98,568	$	49,348	$	61,810	$	63,917
$	483,276	$	367,481	$	271,845	$	306,296	$	321,078	$	284,373	$	291,492	$	256,891	$	296,436

2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06
12,607	14,325	29,289	19,097	18,084	15,570	9,382	15,630	19,764
15,496	8,058	3,560	10,363	9,337	12,374	16,531	9,966	9,157
20,189	20,858	39,238	27,072	24,871	22,249	15,522	23,015	26,991
9,324	4,222	1,473	5,488	5,117	7,578	10,532	6,698	5,579
6,172	3,836	2,087	4,875	4,219	4,796	5,999	3,267	3,578
7,582	6,533	9,950	7,975	6,787	6,679	6,140	7,385	7,227
2025	2025	2025	2026	2026	2026	2026	2026	2026
$ 280,870	$ 241,029	$ 374,564	$ 431,564	$ 342,255	$ 277,764	$ 232,244	$ 288,967	$ 280,577

$	206,292	$	128,211	$	69,755	$	166,112	$	143,777	$	163,428	$	204,429	$	111,340	$	121,925		
$	280,870	$	241,029	$	374,564	$	431,564	$	342,255	$	277,764	$	232,244	$	288,967	$	280,577		

2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03
28,812	26,171	24,919	19,287	14,560	30,562	20,691	21,425	16,642
4,365	5,096	6,093	7,860	8,205	3,336	8,594	8,057	11,024
34,938	32,009	32,878	28,839	21,400	40,506	28,956	28,672	23,805
2,605	3,210	4,181	4,180	3,863	1,235	4,558	4,446	6,351
1,760	1,886	1,912	3,680	4,341	2,101	4,036	3,610	4,673
6,127	5,839	7,958	9,553	6,840	9,944	8,265	7,247	7,163
2026	2026	2026	2026	2026	2026	2027	2027	2027
$ 299,988	$ 259,883	$ 298,579	$ 360,601	$ 257,131	$ 381,489	$ 447,270	$ 365,465	$ 297,944

$	59,982	$	64,262	$	65,140	$	125,386	$	147,929	$	71,582	$	140,353	$	125,550	$	162,506			
$	299,988	$	259,883	$	298,579	$	360,601	$	257,131	$	381,489	$	447,270	$	365,465	$	297,944			

2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10	2027-11	2027-12
10,973	19,666	25,268	30,704	30,232	24,732	14,895	18,711	33,685
15,239	5,918	5,306	3,564	5,114	7,823	10,786	7,415	3,360
17,515	28,131	33,774	36,844	36,424	32,464	23,115	26,773	44,337
9,693	3,677	2,937	2,205	3,255	5,704	6,297	3,751	1,414
5,546	2,241	2,369	1,359	1,859	2,119	4,489	3,664	1,946
6,542	8,465	8,505	6,141	6,193	7,732	8,220	8,062	10,652
2027	2027	2027	2027	2027	2027	2027	2027	2027
$ 247,498	$ 331,284	$ 330,247	$ 300,718	$ 275,659	$ 290,130	$ 310,349	$ 303,147	$ 408,691

$	192,857	$	77,930	$	82,370	$	47,259	$	64,647	$	73,706	$	156,105	$	127,425	$	67,674
$	247,498	$	331,284	$	330,247	$	300,718	$	275,659	$	290,130	$	310,349	$	303,147	$	408,691

2028-01	2028-02	2028-03	2028-04	2028-05	2028-06	2028-07	2028-08	2028-09
22,139	21,446	19,319	11,098	21,812	26,105	29,229	32,203	29,341
9,030	8,182	11,248	14,302	7,836	5,859	3,091	4,934	4,848
30,843	28,848	26,889	17,016	30,609	34,358	35,010	38,959	37,350
4,757	4,359	6,818	9,184	4,926	3,233	1,844	3,122	3,394
4,273	3,823	4,430	5,118	2,910	2,626	1,246	1,812	1,454
8,704	7,402	7,570	5,918	8,798	8,253	5,781	6,756	8,009
2028	2028	2028	2028	2028	2028	2028	2028	2028
$ 475,963	$ 377,181	$ 318,169	$ 226,202	$ 347,905	$ 323,814	$ 286,057	$ 303,869	$ 303,638

$	151,291	$	135,360	$	156,851	$	181,201	$	103,019	$	92,992	$	44,133	$	64,143	$	51,482		
$	475,963	$	377,181	$	318,169	$	226,202	$	347,905	$	323,814	$	286,057	$	303,869	$	303,638		

2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04	2029-05	2029-06
29,894	22,204	30,555	26,469	23,144	19,283	12,900	27,908	22,895
1,774	6,383	2,571	6,853	6,748	9,048	13,855	5,428	6,911
42,008	30,765	40,027	36,511	30,959	26,879	19,457	37,590	30,330
541	3,158	1,002	3,337	3,520	5,125	8,830	3,451	4,037
1,234	3,225	1,569	3,516	3,228	3,924	5,025	1,977	2,874
12,114	8,561	9,471	10,042	7,815	7,597	6,557	9,682	7,435
2028	2028	2028	2029	2029	2029	2029	2029	2029
$ 462,110	$ 325,232	$ 367,191	$ 555,134	$ 402,586	$ 322,749	$ 253,371	$ 387,051	$ 294,874

$	43,679	$	114,178	$	55,553	$	127,194	$	116,781	$	141,945	$	181,775	$	71,506	$	103,961
$	462,110	$	325,232	$	367,191	$	555,134	$	402,586	$	322,749	$	253,371	$	387,051	$	294,874

2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03
32,739	35,023	23,303	17,781	21,515	34,123	27,101	24,781	19,949
2,787	4,478	6,783	12,804	7,456	1,826	6,785	6,130	8,885
38,815	41,830	30,209	26,514	29,572	43,918	37,046	32,856	27,141
1,648	2,890	4,697	7,551	3,792	745	3,283	3,127	5,167
1,139	1,588	2,086	5,254	3,664	1,082	3,502	3,003	3,718
6,076	6,807	6,905	8,732	8,057	9,795	9,944	8,075	7,193
2029	2029	2029	2029	2029	2029	2030	2030	2030
$ 303,912	$ 309,530	$ 264,657	$ 336,742	$ 309,431	$ 383,858	$ 559,002	$ 422,971	$ 310,738

$	41,192	$	57,445	$	75,465	$	190,047	$	132,529	$	39,127	$	129,055	$	110,687	$	137,036
$	303,912	$	309,530	$	264,657	$	336,742	$	309,431	$	383,858	$	559,002	$	422,971	$	310,738

2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12
15,417	19,424	23,494	37,797	35,264	27,477	19,523	22,050	36,960
12,068	10,159	5,876	2,543	3,871	6,698	11,197	6,408	2,165
22,945	27,543	30,993	44,148	41,817	35,008	28,640	30,221	47,198
7,652	6,500	3,480	1,396	2,255	4,710	6,369	3,404	872
4,416	3,658	2,395	1,147	1,617	1,988	4,829	3,004	1,293
7,529	8,119	7,499	6,350	6,553	7,531	9,117	8,171	10,238
2030	2030	2030	2030	2030	2030	2030	2030	2030
$ 295,811	$ 330,020	$ 302,443	$ 323,016	$ 302,963	$ 293,506	$ 357,486	$ 319,105	$ 408,000

$	162,741	$	134,828	$	88,275	$	42,287	$	59,593	$	73,265	$	177,962	$	110,727	$	47,637		
$	295,811	$	330,020	$	302,443	$	323,016	$	302,963	$	293,506	$	357,486	$	319,105	$	408,000		

2031-01	2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09
29,124	27,000	22,701	23,719	23,377	25,982	37,725	34,922	29,920
7,144	6,012	7,957	6,676	6,983	6,709	2,122	3,107	5,909
39,101	35,428	30,434	32,904	32,199	33,587	44,204	41,366	38,021
3,666	3,332	4,729	3,892	4,583	3,936	1,158	1,747	4,090
3,478	2,680	3,229	2,784	2,400	2,773	964	1,359	1,819
9,977	8,428	7,733	9,185	8,821	7,605	6,480	6,444	8,101
2031	2031	2031	2031	2031	2031	2031	2031	2031
$ 575,296	$ 452,813	$ 342,670	$ 370,152	$ 367,769	$ 314,576	$ 338,057	$ 305,599	$ 323,824

$	130,805	$	100,799	$	121,429	$	104,693	$	90,262	$	104,296	$	36,258	$	51,120	$	68,419		
$	575,296	$	452,813	$	342,670	$	370,152	$	367,769	$	314,576	$	338,057	$	305,599	$	323,824		

2031-10	2031-11	2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06
21,220	22,500	41,761	29,817	28,491	23,297	16,360	22,687	29,280
10,352	5,635	2,356	5,420	5,211	8,207	12,248	7,722	5,853
30,623	30,391	52,545	39,985	36,653	31,687	23,870	30,806	37,829
5,996	2,917	1,044	2,694	2,738	4,503	7,681	5,238	3,483
4,355	2,718	1,312	2,726	2,473	3,704	4,567	2,484	2,370
9,403	7,891	10,784	10,168	8,162	8,391	7,510	8,119	8,549
2031	2031	2031	2032	2032	2032	2032	2032	2032
$ 378,177	$ 316,081	$ 440,772	$ 612,671	$ 458,270	$ 388,501	$ 316,220	$ 353,693	$ 369,498

$	163,801	$	102,230	$	49,336	$	104,421	$	94,722	$	141,872	$	174,922	$	95,135	$	90,773	
$	378,177	$	316,081	$	440,772	$	612,671	$	458,270	$	388,501	$	316,220	$	353,693	$	369,498	

2032-07	2032-08	2032-09	2032-10	2032-11	2032-12	2033-01	2033-02	2033-03
39,897	38,529	34,107	34,294	28,640	46,208	33,705	30,664	26,006
1,872	3,097	4,714	1,430	4,285	2,310	5,007	4,771	8,244
46,599	45,433	42,607	45,765	38,145	57,419	44,013	39,311	34,411
957	1,889	3,105	381	2,056	971	2,289	2,359	4,638
915	1,207	1,609	1,049	2,229	1,338	2,718	2,412	3,606
6,702	6,904	8,500	11,472	9,505	11,211	10,308	8,647	8,405
2032	2032	2032	2032	2032	2032	2033	2033	2033
$ 365,385	$ 342,114	$ 355,017	$ 482,065	$ 397,808	$ 478,792	$ 640,782	$ 500,841	$ 401,497

$	35,045	$	46,253	$	61,621	$	40,172	$	85,382	$	51,267	$	106,221	$	94,269	$	140,943								
$	365,385	$	342,114	$	355,017	$	482,065	$	397,808	$	478,792	$	640,782	$	500,841	$	401,497								

2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12
18,673	23,823	30,568	39,506	44,193	33,772	22,001	27,515	44,294
10,043	7,223	5,325	1,725	3,168	4,889	9,088	5,676	1,739
26,354	32,602	39,162	45,526	51,207	42,239	30,837	36,572	55,108
6,178	4,767	3,096	954	1,767	3,350	5,282	2,999	620
3,865	2,456	2,229	771	1,401	1,538	3,805	2,677	1,120
7,681	8,779	8,594	6,020	7,014	8,467	8,836	9,057	10,814
2033	2033	2033	2033	2033	2033	2033	2033	2033
$ 333,661	$ 394,549	$ 383,203	$ 338,569	$ 358,595	$ 364,827	$ 383,068	$ 391,032	$ 476,473

$	151,064	$	95,976	$	87,117	$	30,138	$	54,753	$	60,121	$	148,719	$	104,622	$	43,760								
$	333,661	$	394,549	$	383,203	$	338,569	$	358,595	$	364,827	$	383,068	$	391,032	$	476,473								

2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09
36,639	30,969	28,745	25,085	29,025	36,019	41,613	43,572	37,672
4,469	4,397	7,643	5,963	5,132	4,249	1,275	2,279	3,033
47,943	39,889	37,512	33,554	38,815	45,068	47,725	51,190	46,142
2,111	2,248	4,308	3,461	3,260	2,462	597	1,220	2,122
2,358	2,150	3,335	2,502	1,872	1,786	678	1,059	911
11,305	8,920	8,767	8,469	9,789	9,049	6,112	7,618	8,469
2034	2034	2034	2034	2034	2034	2034	2034	2034
$ 724,616	$ 532,776	$ 431,803	$ 379,356	$ 453,645	$ 416,041	$ 354,480	$ 401,589	$ 376,277

$ 93,958	$ 85,659	$ 132,906	$ 99,691	$ 74,578	$ 71,184	$ 27,017	$ 42,205	$ 36,305	
$ 724,616	$ 532,776	$ 431,803	$ 379,356	$ 453,645	$ 416,041	$ 354,480	$ 401,589	$ 376,277	

2034-10	2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06
23,378	27,000	42,912	34,316	30,116	24,752	19,381	23,770	31,614
8,714	5,416	1,624	4,561	4,880	9,683	10,669	9,010	5,665
32,612	35,819	52,827	45,429	38,696	32,472	26,843	32,600	39,471
4,740	2,653	630	1,969	2,442	5,936	6,615	6,045	3,285
3,974	2,763	994	2,592	2,437	3,747	4,054	2,965	2,380
9,234	8,818	9,915	11,113	8,580	7,720	7,462	8,830	7,857
2034	2034	2034	2035	2035	2035	2035	2035	2035
$ 412,786	$ 392,581	$ 450,452	$ 728,023	$ 523,739	$ 388,605	$ 341,600	$ 418,210	$ 369,186

$	158,362	$	110,103	$	39,626	$	105,453	$	99,163	$	152,425	$	164,932	$	120,627	$	96,823
$	412,786	$	392,581	$	450,452	$	728,023	$	523,739	$	388,605	$	341,600	$	418,210	$	369,186

2035-07	2035-08	2035-09	2035-10	2035-11	2035-12	2036-01	2036-02	2036-03
47,136	51,818	30,485	28,010	33,297	44,197	39,090	35,615	26,396
1,386	2,297	5,797	9,474	5,163	2,308	4,241	4,812	9,229
53,602	59,331	37,545	37,995	42,715	53,919	50,241	44,584	33,903
656	1,292	3,886	5,622	2,923	972	1,850	2,549	5,770
730	1,005	1,910	3,852	2,240	1,336	2,391	2,263	3,459
6,467	7,514	7,059	9,985	9,419	9,722	11,151	8,968	7,507
2035	2035	2035	2035	2035	2035	2036	2036	2036
$ 383,301	$ 404,805	$ 320,534	$ 456,166	$ 428,530	$ 451,386	$ 736,364	$ 551,822	$ 380,930

$	29,686	$	40,888	$	77,715	$	156,705	$	91,133	$	54,346	$	99,310	$	93,992	$	143,653			
$	383,301	$	404,805	$	320,534	$	456,166	$	428,530	$	451,386	$	736,364	$	551,822	$	380,930			

2036-04	2036-05	2036-06	2036-07	2036-08	2036-09	2036-10	2036-11	2036-12
23,250	24,110	33,990	52,634	48,623	33,747	27,948	33,037	51,415
9,520	10,371	5,517	1,196	1,544	5,568	7,864	3,373	2,187
31,763	32,187	42,079	59,455	55,612	41,898	38,184	42,111	62,373
6,032	7,237	3,336	544	767	3,700	4,233	1,852	937
3,488	3,134	2,182	652	777	1,868	3,631	1,520	1,250
8,513	8,077	8,089	6,821	6,988	8,151	10,236	9,073	10,958
2036	2036	2036	2036	2036	2036	2036	2036	2036
$ 392,801	$ 385,589	$ 383,125	$ 407,544	$ 379,512	$ 373,069	$ 471,363	$ 416,113	$ 512,860

$ 144,864	$ 130,153	$ 90,608	$ 27,063	$ 32,275	$ 77,572	$ 150,795	$ 63,140	$ 51,917	
$ 392,801	$ 385,589	$ 383,125	$ 407,544	$ 379,512	$ 373,069	$ 471,363	$ 416,113	$ 512,860	

Light Load

2017-01	2017-02	2017-03	2017-04	2017-05	2017-06	2017-07
7,824	8,589	7,021	4,504	8,888	8,656	21,592
15,521	12,752	10,932	10,574	5,890	6,207	4,129
14,421	14,932	13,316	10,335	17,470	15,483	29,710
7,558	7,193	5,597	3,187	1,637	2,241	2,519
7,963	5,559	5,335	7,386	4,253	3,965	1,610
6,597	6,343	6,295	5,830	8,582	6,828	8,118
2017	2017	2017	2017	2017	2017	2017
$ 168,350	$ 141,254	$ 114,384	$ 83,200	$ 139,202	$ 108,014	$ 147,104

$	172,224	$	120,240	$	-	$	-	$	-	$	-	$	-
$	168,350	$	141,254	$	114,384	$	83,200	$	139,202	$	108,014	$	147,104

2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04
18,769	7,364	4,913	10,451	17,269	8,729	8,874	7,647	3,693
2,493	10,352	13,046	6,933	6,292	16,832	13,656	11,831	16,351
26,870	13,743	11,471	19,321	27,298	15,331	15,079	14,301	8,501
1,347	4,785	5,813	2,933	2,516	8,992	7,793	6,291	8,336
1,146	5,567	7,233	4,000	3,775	7,840	5,863	5,540	8,015
8,101	6,379	6,558	8,870	10,030	6,602	6,205	6,655	4,809
2017	2017	2017	2017	2017	2018	2018	2018	2018
$ 128,159	$ 104,421	$ 113,581	$ 146,975	$ 202,798	$ 176,393	$ 151,205	$ 131,898	$ 90,023

$	-	$	-	$	-	$	-	$	76,446	$	178,546	$	133,537	$	-	$	-			
$	128,159	$	104,421	$	113,581	$	146,975	$	202,798	$	176,393	$	151,205	$	131,898	$	90,023			

2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01
13,770	9,663	25,530	20,674	10,291	5,975	11,537	24,299	9,192
3,724	6,185	1,954	2,186	7,227	7,828	6,109	2,594	17,467
23,929	16,894	33,799	28,862	18,180	13,952	21,003	36,429	15,642
1,074	2,216	1,016	1,121	2,921	2,600	2,533	925	9,298
2,650	3,969	938	1,065	4,306	5,228	3,576	1,669	8,169
10,160	7,232	8,268	8,188	7,889	7,977	9,467	12,129	6,451
2018	2018	2018	2018	2018	2018	2018	2018	2019
$ 150,565	$ 111,872	$ 141,555	$ 137,315	$ 116,514	$ 130,580	$ 163,017	$ 217,963	$ 188,305

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	231,576
$	150,565	$	111,872	$	141,555	$	137,315	$	116,514	$	130,580	$	163,017	$	217,963	$	188,305		

2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10
9,630	8,876	3,708	10,725	13,236	25,105	23,086	11,756	17,856
14,286	13,296	17,385	6,196	5,026	2,052	2,501	8,478	1,530
15,703	15,931	8,218	19,895	22,094	33,128	31,523	19,251	29,550
8,349	7,620	9,650	2,639	1,999	1,135	1,306	4,218	144
5,936	5,677	7,735	3,557	3,028	917	1,195	4,260	1,387
6,073	7,055	4,510	9,170	8,858	8,023	8,436	7,495	11,694
2019	2019	2019	2019	2019	2019	2019	2019	2019
$ 161,670	$ 152,683	$ 92,189	$ 148,299	$ 149,539	$ 149,964	$ 154,401	$ 120,837	$ 208,999

$ 143,994	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
$ 161,670	$ 152,683	$ 92,189	$ 148,299	$ 149,539	$ 149,964	$ 154,401	$ 120,837	$ 208,999				

2019-11	2019-12	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07
13,236	24,048	9,048	10,354	8,112	3,580	10,144	9,339	22,944
6,628	3,012	17,234	15,252	14,328	19,158	9,682	6,896	2,407
23,088	35,360	15,337	16,250	14,207	7,854	18,842	16,292	30,402
3,038	1,089	8,919	8,752	8,334	11,219	4,567	3,026	1,337
3,589	1,923	8,315	6,500	5,994	7,939	5,114	3,870	1,070
9,852	11,312	6,289	5,896	6,094	4,274	8,698	6,953	7,458
2019	2019	2020	2020	2020	2020	2020	2020	2020
$ 185,238	$ 221,967	$ 199,813	$ 170,837	$ 143,536	$ 95,074	$ 153,031	$ 127,752	$ 151,636

$	-	$	-	$	242,366	$	159,408	$	130,699	$	173,105	$	-	$	-	$	-					
$	185,238	$	221,967	$	199,813	$	170,837	$	143,536	$	95,074	$	153,031	$	127,752	$	151,636					

2020-08	2020-09	2020-10	2020-11	2020-12	2021-01	2021-02	2021-03	2021-04
22,715	9,266	7,073	12,526	21,163	10,736	10,000	8,641	4,217
2,870	8,816	10,020	7,449	3,631	18,042	14,170	13,491	18,109
31,356	16,024	14,929	21,935	31,581	17,563	15,628	14,790	8,921
1,448	4,260	4,206	3,438	1,325	9,088	7,910	7,975	10,751
1,422	4,556	5,814	4,011	2,306	8,954	6,260	5,517	7,358
8,641	6,758	7,856	9,408	10,419	6,827	5,628	6,149	4,704
2020	2020	2020	2020	2020	2021	2021	2021	2021
$ 172,149	$ 118,484	$ 152,739	$ 192,429	$ 222,475	$ 227,609	$ 171,090	$ 151,950	$ 109,793

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2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022-01
17,950	10,103	26,799	24,333	10,238	8,269	13,318	22,185	11,219
5,014	6,541	2,074	2,594	9,234	10,468	6,576	3,351	15,701
28,966	17,352	34,690	32,659	17,297	16,978	22,566	32,125	18,221
2,194	2,985	1,129	1,339	4,907	4,977	2,998	1,137	7,627
2,820	3,557	944	1,255	4,328	5,491	3,578	2,214	8,074
11,016	7,250	7,891	8,325	7,058	8,709	9,248	9,940	7,002
2021	2021	2021	2021	2021	2021	2021	2021	2022
$ 203,369	$ 139,709	$ 168,394	$ 174,004	$ 129,882	$ 177,671	$ 198,462	$ 222,658	$ 241,726

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	249,642
$	203,369	$	139,709	$	168,394	$	174,004	$	129,882	$	177,671	$	198,462	$	222,658	$	241,726				

2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10
10,400	9,015	4,718	17,196	15,929	30,553	23,728	11,441	15,147
13,087	12,408	17,968	2,232	3,345	1,864	2,296	8,563	4,848
16,197	15,287	9,919	28,804	24,805	39,306	31,790	18,768	26,566
7,008	7,151	10,409	465	1,277	918	1,146	4,439	1,877
6,079	5,258	7,559	1,767	2,068	946	1,150	4,124	2,972
5,797	6,273	5,201	11,608	8,876	8,753	8,062	7,328	11,420
2022	2022	2022	2022	2022	2022	2022	2022	2022
$ 182,457	$ 160,484	$ 125,685	$ 221,885	$ 177,118	$ 193,311	$ 174,413	$ 139,555	$ 241,120

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2022-11	2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07
14,524	24,892	10,542	10,611	9,210	5,141	11,105	11,613	31,616
6,159	2,927	14,602	12,733	12,578	19,814	8,196	5,872	1,978
23,958	35,630	16,992	16,370	15,403	10,491	19,663	19,244	40,348
2,778	884	6,622	6,463	7,205	11,810	3,930	2,683	1,012
3,381	2,043	7,980	6,270	5,373	8,003	4,266	3,189	966
9,434	10,738	6,450	5,759	6,194	5,349	8,558	7,632	8,732
2022	2022	2023	2023	2023	2023	2023	2023	2023
$ 209,574	$ 248,964	$ 236,315	$ 192,405	$ 168,142	$ 137,140	$ 173,445	$ 161,540	$ 204,647

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2023-08	2023-09	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04
24,372	15,855	21,201	17,169	27,916	11,716	12,035	10,956	5,020
2,436	6,164	1,198	5,248	2,918	14,115	12,002	12,851	17,826
32,367	24,522	33,835	27,316	39,568	18,428	17,948	17,852	10,148
1,197	3,037	40	2,383	735	6,389	6,099	7,095	10,671
1,239	3,127	1,158	2,864	2,183	7,726	5,903	5,756	7,155
7,995	8,666	12,634	10,147	11,652	6,712	5,913	6,896	5,128
2023	2023	2023	2023	2023	2024	2024	2024	2024
$ 183,545	$ 175,033	$ 283,097	$ 239,134	$ 286,725	$ 257,079	$ 206,512	$ 195,721	$ 137,401

$	-	$	-	$	-	$	-	$	-	$	252,956	$	193,265	$	145,072	$	180,335			
$	183,545	$	175,033	$	283,097	$	239,134	$	286,725	$	257,079	$	206,512	$	195,721	$	137,401			

2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025-01
12,036	13,920	29,903	26,754	13,054	8,617	15,989	27,698	13,163
7,706	6,328	1,713	2,251	7,639	9,889	6,589	2,815	12,559
20,746	22,438	37,996	35,075	21,191	16,773	25,839	38,797	20,216
3,703	2,887	849	1,053	3,893	5,000	2,968	693	5,369
4,002	3,441	864	1,198	3,745	4,888	3,620	2,123	7,190
8,710	8,517	8,093	8,320	8,137	8,156	9,850	11,099	7,053
2024	2024	2024	2024	2024	2024	2024	2024	2025
$ 184,508	$ 188,432	$ 198,219	$ 199,628	$ 171,794	$ 190,958	$ 242,746	$ 285,502	$ 283,074

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	53,498	$	240,309			
$	184,508	$	188,432	$	198,219	$	199,628	$	171,794	$	190,958	$	242,746	$	285,502	$	283,074			

2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10
13,255	11,598	10,193	16,662	17,642	30,979	29,532	13,121	9,089
11,600	12,918	9,607	4,630	3,520	1,451	2,180	7,737	10,548
19,272	18,495	17,871	27,259	26,774	39,152	38,360	20,740	17,211
5,709	7,167	5,016	1,901	1,404	671	963	3,998	5,486
5,891	5,750	4,591	2,729	2,115	780	1,217	3,738	5,061
6,018	6,897	7,678	10,596	9,132	8,173	8,828	7,619	8,122
2025	2025	2025	2025	2025	2025	2025	2025	2025
$ 220,206	$ 205,060	$ 215,544	$ 235,173	$ 211,612	$ 209,748	$ 221,888	$ 168,478	$ 199,267

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2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07
17,949	26,410	12,648	11,966	11,806	5,934	15,701	14,348	30,403
6,349	2,862	12,691	10,726	11,045	16,319	7,033	4,717	1,444
28,395	36,993	20,101	18,160	18,838	11,457	25,863	22,526	38,224
2,620	667	4,903	4,868	5,938	9,651	3,300	2,041	655
3,729	2,195	7,788	5,858	5,107	6,668	3,733	2,677	788
10,447	10,583	7,454	6,193	7,032	5,522	10,162	8,178	7,821
2025	2025	2026	2026	2026	2026	2026	2026	2026
$ 269,670	$ 285,136	$ 304,833	$ 230,935	$ 213,047	$ 157,972	$ 229,830	$ 193,144	$ 204,498

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2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04
31,049	13,887	16,740	18,115	28,193	15,606	14,103	11,824	6,713
1,912	7,877	5,508	6,040	2,775	10,759	9,834	10,205	15,231
39,986	21,657	27,482	27,971	38,784	24,457	20,826	18,705	12,656
797	4,197	2,544	2,531	596	3,818	4,356	5,307	8,934
1,115	3,680	2,964	3,509	2,178	6,940	5,478	4,898	6,298
8,936	7,771	10,742	9,856	10,591	8,851	6,723	6,880	5,943
2026	2026	2026	2026	2026	2027	2027	2027	2027
$ 228,831	$ 175,130	$ 268,512	$ 259,176	$ 290,796	$ 362,013	$ 250,706	$ 208,480	$ 170,048

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2027-05	2027-06	2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01
19,761	17,740	34,653	31,560	15,114	13,055	18,994	29,438	15,830
3,007	2,710	1,045	1,562	6,028	8,402	4,947	2,050	9,875
31,418	26,770	43,073	40,351	23,518	22,925	28,813	40,027	24,487
822	954	469	628	2,962	4,044	1,947	424	3,416
2,184	1,757	576	934	3,066	4,359	3,000	1,627	6,459
11,657	9,030	8,420	8,791	8,404	9,870	9,819	10,590	8,657
2027	2027	2027	2027	2027	2027	2027	2027	2028
$ 263,694	$ 213,292	$ 220,192	$ 225,146	$ 189,429	$ 246,760	$ 258,336	$ 290,803	$ 357,768

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	43,565	$	228,673	
$	263,694	$	213,292	$	220,192	$	225,146	$	189,429	$	246,760	$	258,336	$	290,803	$	357,768			

2028-02	2028-03	2028-04	2028-05	2028-06	2028-07	2028-08	2028-09	2028-10
15,845	13,615	8,861	19,564	19,873	40,883	31,954	20,628	27,501
9,030	8,830	15,093	3,063	2,820	771	1,214	5,013	612
22,644	20,874	15,809	30,453	29,023	49,914	40,412	29,938	40,502
3,996	4,474	8,748	1,113	1,189	334	464	2,465	23
5,034	4,355	6,346	1,950	1,631	437	751	2,548	589
6,799	7,258	6,948	10,889	9,150	9,031	8,458	9,310	13,001
2028	2028	2028	2028	2028	2028	2028	2028	2028
$ 256,170	$ 222,242	$ 200,854	$ 248,805	$ 218,293	$ 238,591	$ 218,880	$ 212,073	$ 328,387

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2028-11	2028-12	2029-01	2029-02	2029-03	2029-04	2029-05	2029-06	2029-07
23,780	36,533	15,049	15,619	15,452	9,041	24,900	18,782	41,137
3,371	1,476	8,785	7,891	8,374	13,599	2,111	3,664	735
34,390	49,027	23,484	22,798	23,320	16,023	36,485	28,080	50,000
1,221	196	2,686	3,055	4,148	7,833	808	1,610	317
2,149	1,279	6,098	4,836	4,225	5,765	1,303	2,054	419
10,610	12,494	8,436	7,179	7,868	6,982	11,585	9,297	8,863
2028	2028	2029	2029	2029	2029	2029	2029	2029
$ 282,001	$ 346,570	$ 352,428	$ 273,427	$ 243,514	$ 203,994	$ 267,595	$ 224,243	$ 236,723

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2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03	2030-04
34,015	19,657	13,506	21,804	39,570	17,222	17,648	17,407	9,386
1,082	5,107	6,995	3,972	1,216	7,871	7,154	7,623	12,959
42,743	29,402	22,850	32,091	52,409	26,413	25,266	25,986	16,290
430	2,523	3,388	1,436	118	2,416	2,793	3,499	7,478
652	2,584	3,607	2,537	1,098	5,455	4,361	4,124	5,481
8,729	9,745	9,345	10,288	12,839	9,191	7,618	8,579	6,904
2029	2029	2029	2029	2029	2030	2030	2030	2030
$ 228,328	$ 224,330	$ 238,562	$ 276,423	$ 360,127	$ 390,430	$ 295,054	$ 269,980	$ 205,100

$	-	$	-	$	-	$	-	$	30,591	$	201,034	$	160,740	$	116,980	$	155,473			
$	228,328	$	224,330	$	238,562	$	276,423	$	360,127	$	390,430	$	295,054	$	269,980	$	205,100			

2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01
18,069	21,751	41,258	37,600	20,076	14,421	23,963	38,029	18,242
4,147	3,001	617	852	4,469	6,916	3,984	1,332	6,891
28,539	31,763	49,894	46,702	29,618	23,836	34,689	50,114	27,867
1,848	1,246	256	348	2,209	3,338	1,342	134	1,880
2,299	1,754	362	504	2,260	3,578	2,643	1,198	5,011
10,470	10,011	8,636	9,102	9,542	9,414	10,727	12,085	9,625
2030	2030	2030	2030	2030	2030	2030	2030	2031
$ 245,938	$ 245,571	$ 234,561	$ 242,114	$ 223,379	$ 244,383	$ 293,044	$ 344,668	$ 419,464

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	33,972	$	188,471			
$	245,938	$	245,571	$	234,561	$	242,114	$	223,379	$	244,383	$	293,044	$	344,668	$	419,464			

2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10
18,198	18,060	16,038	19,729	21,717	41,456	40,753	19,243	15,305
6,618	7,458	6,351	4,314	2,897	614	774	5,190	6,123
25,999	26,497	25,252	30,636	31,307	50,164	50,219	28,141	25,212
2,468	3,242	3,204	1,896	1,206	269	266	2,687	2,850
4,150	4,215	3,147	2,418	1,692	345	508	2,503	3,273
7,800	8,437	9,214	10,908	9,590	8,707	9,465	8,898	9,907
2031	2031	2031	2031	2031	2031	2031	2031	2031
$ 309,900	$ 272,330	$ 280,818	$ 262,751	$ 241,179	$ 242,489	$ 258,200	$ 213,629	$ 263,808

$	156,074	$	122,058	$	91,117	$	-	$	-	$	-	$	-	$	-	$	-	$	-		
$	309,900	$	272,330	$	280,818	$	262,751	$	241,179	$	242,489	$	258,200	$	213,629	$	263,808				

2031-11	2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07
27,171	37,806	19,296	20,019	16,335	9,950	21,793	21,037	42,475
3,599	1,121	6,504	6,551	7,536	12,160	3,992	2,722	549
38,662	49,518	29,591	28,274	23,721	16,832	33,330	30,178	51,013
1,154	114	1,602	2,383	3,403	6,789	1,585	1,122	207
2,445	1,006	4,902	4,168	4,134	5,371	2,407	1,600	341
11,490	11,712	10,296	8,255	7,386	6,882	11,538	9,141	8,538
2031	2031	2032	2032	2032	2032	2032	2032	2032
$ 321,944	$ 342,566	$ 468,738	$ 342,653	$ 249,044	$ 219,099	$ 290,272	$ 240,211	$ 248,436

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2032-08	2032-09	2032-10	2032-11	2032-12	2033-01	2033-02	2033-03	2033-04
38,723	23,634	33,885	27,343	35,814	21,773	20,232	17,435	11,458
977	3,601	366	2,728	1,146	6,110	5,790	6,587	12,334
47,771	33,044	47,942	38,206	47,048	32,396	28,471	25,230	18,945
361	1,799	5	780	116	1,667	2,030	2,779	7,039
616	1,802	361	1,948	1,030	4,443	3,760	3,808	5,295
9,048	9,410	14,057	10,863	11,234	10,623	8,239	7,794	7,487
2032	2032	2032	2032	2032	2033	2033	2033	2033
$ 257,864	$ 235,982	$ 391,045	$ 317,929	$ 343,302	$ 498,952	$ 352,795	$ 271,156	$ 245,945

$	-	$	-	$	-	$	-	$	30,363	$	173,621	$	146,940	$	114,543	$	159,290			
$	257,864	$	235,982	$	391,045	$	317,929	$	343,302	$	498,952	$	352,795	$	271,156	$	245,945			

2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12	2034-01
22,513	21,567	49,336	38,002	21,383	17,956	25,292	38,412	20,819
3,389	2,825	529	1,051	4,333	7,344	3,607	1,126	5,061
33,711	30,823	58,724	46,692	30,582	28,287	35,520	50,246	31,217
1,276	1,245	211	380	2,216	3,378	1,024	80	1,030
2,114	1,580	317	670	2,117	3,965	2,584	1,046	4,031
11,198	9,256	9,388	8,690	9,199	10,331	10,227	11,834	10,399
2033	2033	2033	2033	2033	2033	2033	2033	2034
$ 290,694	$ 250,924	$ 281,818	$ 255,480	$ 237,951	$ 296,385	$ 308,848	$ 372,993	$ 503,614

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2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10
20,541	18,347	20,488	21,957	22,272	50,943	39,292	24,486	17,584
5,228	6,745	6,283	3,911	2,804	417	794	4,888	6,952
29,036	25,952	30,765	32,512	31,481	60,387	47,853	34,035	27,377
1,735	2,838	3,201	1,579	1,189	155	256	2,496	3,016
3,493	3,907	3,082	2,331	1,615	262	538	2,391	3,936
8,495	7,605	10,276	10,555	9,209	9,444	8,561	9,549	9,794
2034	2034	2034	2034	2034	2034	2034	2034	2034
$ 375,075	$ 272,806	$ 347,963	$ 282,448	$ 257,315	$ 292,304	$ 259,480	$ 254,687	$ 289,699

| | | |

2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07
26,246	44,874	22,546	29,702	26,369	16,248	20,953	26,452	51,545
3,407	845	4,426	3,945	5,717	9,586	6,138	4,737	1,436
36,729	57,979	33,356	39,428	35,750	25,280	31,374	35,802	60,124
927	46	849	1,630	2,952	5,806	3,808	2,663	715
2,480	799	3,577	2,315	2,766	3,780	2,331	2,073	721
10,484	13,105	10,810	9,726	9,382	9,032	10,421	9,350	8,578
2034	2034	2035	2035	2035	2035	2035	2035	2035
$ 326,360	$ 425,927	$ 535,110	$ 438,850	$ 343,871	$ 312,640	$ 285,047	$ 267,061	$ 271,365

$ 76,041	$ 24,501	$ 145,533	$ 94,185	$ 100,666	$ 118,354	$ -	$ -	$ 22,581	
$ 326,360	$ 425,927	$ 535,110	$ 438,850	$ 343,871	$ 312,640	$ 285,047	$ 267,061	$ 271,365	

2035-08	2035-09	2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04
43,478	28,134	21,078	32,492	54,383	36,299	32,075	29,423	17,882
1,749	5,672	5,720	3,311	1,516	3,158	4,548	6,251	7,706
51,804	38,433	31,624	43,468	67,231	48,609	41,538	39,281	27,390
818	3,620	3,164	1,400	608	919	2,184	3,461	4,885
931	2,052	2,556	1,911	908	2,240	2,364	2,791	2,821
8,326	10,299	10,546	10,975	12,849	12,310	9,463	9,857	9,508
2035	2035	2035	2035	2035	2036	2036	2036	2036
$ 257,965	$ 280,682	$ 318,826	$ 349,165	$ 426,745	$ 614,301	$ 430,467	$ 364,237	$ 331,635

$ -	$ -	$ -	$ 59,826	$ 28,415	$ 93,013	$ 98,193	$ 89,233	$ 90,200		
$ 257,965	$ 280,682	$ 318,826	$ 349,165	$ 426,745	$ 614,301	$ 430,467	$ 364,237	$ 331,635		

2036-05	2036-06	2036-07	2036-08	2036-09	2036-10	2036-11	2036-12	2037-01
21,284	28,090	51,512	51,965	24,991	23,234	41,023	54,018	
8,011	4,641	1,310	1,586	5,553	5,208	2,217	1,241	
31,400	37,549	59,862	61,214	34,222	34,013	53,792	65,886	
4,791	2,710	636	825	3,482	2,916	1,035	504	
3,220	1,930	673	762	2,071	2,292	1,182	737	
10,116	9,459	8,350	9,249	9,231	10,779	12,769	11,868	
2036	2036	2036	2036	2036	2036	2036	2036	
$ 278,810	$ 272,246	$ 266,221	$ 288,768	$ 253,594	$ 328,457	$ 409,535	$ 397,370	

$ -	$ -	$ -	$ -	$ -	$ -	$ 37,799	$ 23,572	
$ 278,810	$ 272,246	$ 266,221	$ 288,768	$ 253,594	$ 328,457	$ 409,535	$ 397,370	

2037-02	**2037-03**	**2037-04**	**2037-05**	**2037-06**	**2037-07**	**2037-08**	**2037-09**	**2037-10**

2037-11	**2037-12**	**2038-01**	**2038-02**	**2038-03**	**2038-04**	**2038-05**	**2038-06**	**2038-07**

2038-08	**2038-09**	**2038-10**	**2038-11**	**2038-12**	**2039-01**	**2039-02**	**2039-03**	**2039-04**

2039-05	**2039-06**	**2039-07**	**2039-08**	**2039-09**	**2039-10**	**2039-11**	**2039-12**	**2040-01**

2040-02	**2040-03**	**2040-04**	**2040-05**	**2040-06**	**2040-07**	**2040-08**	**2040-09**	**2040-10**

2040-11 **2040-12**

Source: PowerSimm Inputs

Date Perio VOM*

2017	1.37
2018	1.4
2019	1.43
2020	1.46
2021	1.48
2022	1.51
2023	1.54
2024	1.58
2025	1.61
2026	1.64
2027	1.67
2028	1.71
2029	1.74
2030	1.77
2031	1.81
2032	1.85
2033	1.88
2034	1.92
2035	1.96
2036	2.00
2037	2.04
2038	2.08
2039	2.12
2040	2.16

Date Perio Fuel Delivery Cost*

2017	1.44
2018	1.43
2019	1.49
2020	1.54
2021	1.59
2022	1.64
2023	1.70
2024	1.76
2025	1.78
2026	1.80
2027	1.83
2028	1.85
2029	1.87
2030	1.88
2031	1.89
2032	1.91
2033	1.92
2034	1.94
2035	1.97
2036	2.00
2037	2.02
2038	2.03
2039	2.06
2040	2.10

	Coyote fuel d.	Coyote v.o.m.	Neal fuel d.	Neal v.o.m.
2017	$ 0.98	$ 0.89	$ 1.09	$ 0.45
2018	$ 0.83	$ 0.91	$ 1.26	$ 0.46
2019	$ 1.11	$ 0.93	$ 1.29	$ 0.47
2020	$ 0.87	$ 0.95	$ 1.39	$ 0.48
2021	$ 1.02	$ 0.97	$ 1.47	$ 0.49
2022	$ 1.04	$ 0.99	$ 1.56	$ 0.50
2023	$ 1.05	$ 1.00	$ 1.63	$ 0.51
2024	$ 1.07	$ 1.03	$ 1.71	$ 0.52
2025	$ 1.07	$ 1.05	$ 1.79	$ 0.53
2026	$ 1.09	$ 1.07	$ 1.81	$ 0.54
2027	$ 1.09	$ 1.09	$ 1.84	$ 0.55
2028	$ 1.10	$ 1.11	$ 1.86	$ 0.56
2029	$ 1.11	$ 1.13	$ 1.88	$ 0.58
2030	$ 1.10	$ 1.15	$ 1.89	$ 0.59
2031	$ 1.10	$ 1.18	$ 1.90	$ 0.60
2032	$ 1.11	$ 1.20	$ 1.93	$ 0.61
2033	$ 1.10	$ 1.23	$ 1.93	$ 0.62
2034	$ 1.10	$ 1.25	$ 1.95	$ 0.64
2035	$ 1.12	$ 1.27	$ 1.98	$ 0.65
2036	$ 1.12	$ 1.30	$ 2.01	$ 0.67
2037	$ 1.13	$ 1.32	$ 2.03	$ 0.68
2038	$ 1.13	$ 1.35	$ 2.05	$ 0.69
2039	$ 1.13	$ 1.38	$ 2.08	$ 0.71
2040	$ 1.15	$ 1.40	$ 2.11	$ 0.72

PowerSimm Projections

	Annual ATC	Annual Heavy Load	Annual Light Load	
2017	277,156	130,832	146,323	2017
2018	277,190	130,951	146,240	2018
2019	277,190	130,888	146,302	2019
2020	277,190	131,535	145,655	2020
2021	277,190	132,171	145,019	2021
2022	277,190	131,278	145,912	2022
2023	277,190	130,802	146,388	2023
2024	277,190	131,238	145,952	2024
2025	277,190	131,058	146,132	2025
2026	277,190	130,866	146,324	2026
2027	277,190	131,097	146,093	2027
2028	277,190	131,055	146,135	2028
2029	277,190	130,856	146,334	2029
2030	277,190	130,891	146,299	2030
2031	277,190	130,723	146,467	2031
2032	277,190	131,863	145,327	2032
2033	277,190	131,222	145,968	2033
2034	277,190	130,848	146,342	2034
2035	277,190	130,976	146,214	2035
2036	277,190	131,147	146,043	2036

Aurora

	Annual ATC	Annual Heavy Load	Annual Light Load	
2017	94,004	44,160	49,844	2017
2018	94,016	44,200	49,816	2018
2019	94,016	44,172	49,844	2019
2020	94,016	44,391	49,625	2020
2021	94,016	44,621	49,395	2021
2022	94,016	44,309	49,707	2022
2023	94,016	44,143	49,873	2023
2024	94,016	44,289	49,727	2024
2025	94,016	44,227	49,789	2025
2026	94,016	44,178	49,838	2026
2027	94,016	44,263	49,753	2027
2028	94,016	44,240	49,776	2028
2029	94,016	44,156	49,860	2029
2030	94,016	44,178	49,838	2030
2031	94,016	44,118	49,898	2031
2032	94,016	44,502	49,514	2032
2033	94,016	44,291	49,725	2033
2034	94,016	44,148	49,868	2034
2035	94,016	44,203	49,813	2035
2036	94,016	44,262	49,754	2036

Brule

Annual ATC	Annual Heavy Load	Annual Light Load		Annual ATC	Annual Heavy Load	Annual Light Load
92,445	43,195	49,250	2017	90,706	43,477	47,229
92,457	43,218	49,239	2018	90,717	43,533	47,185
92,457	43,185	49,272	2019	90,717	43,531	47,186
92,457	43,419	49,039	2020	90,717	43,725	46,992
92,457	43,646	48,811	2021	90,717	43,905	46,812
92,457	43,338	49,119	2022	90,717	43,632	47,086
92,457	43,190	49,267	2023	90,717	43,470	47,247
92,457	43,311	49,146	2024	90,717	43,639	47,078
92,457	43,261	49,196	2025	90,717	43,570	47,147
92,457	43,207	49,250	2026	90,717	43,480	47,237
92,457	43,296	49,161	2027	90,717	43,538	47,179
92,457	43,271	49,186	2028	90,717	43,544	47,173
92,457	43,190	49,267	2029	90,717	43,510	47,207
92,457	43,207	49,250	2030	90,717	43,506	47,211
92,457	43,157	49,300	2031	90,717	43,449	47,268
92,457	43,546	48,911	2032	90,717	43,814	46,903
92,457	43,325	49,132	2033	90,717	43,606	47,111
92,457	43,183	49,274	2034	90,717	43,518	47,199
92,457	43,237	49,220	2035	90,717	43,535	47,182
92,457	43,300	49,157	2036	90,717	43,584	47,133

Davison

WACC **7.24%** nominal, annual

Summary: NPV and Annualized $/MWh of Avoided Costs

NPV Of Avoided Costs	$ 85,401,559
Levelized Payment	$ 29.63

Summary Table: Annual Wind QF Generation and Avoided Costs

Year	Generation (MWh)	Generation offsetting internal production (MWh)	Offset Purchases (MWh)	Average Offsetting Generation Avoided Cost ($/MWh)	Average Offset Purchase Price ($/MWh)	Total Offsetting Generation Avoided Cost ($)	Total Avoided Cost of Purchases ($)	Total Avoided Cost ($)
2018	277,190	106,838	170,352	$ 15.68	$ 22.12	$ 1,675,452	$ 3,768,301	$ 5,443,753
2019	277,190	94,385	182,805	$ 16.97	$ 24.27	$ 1,601,882	$ 4,437,440	$ 6,039,323
2020	277,190	110,031	167,159	$ 20.48	$ 26.69	$ 2,253,903	$ 4,461,455	$ 6,715,358
2021	277,190	99,391	177,799	$ 20.10	$ 28.09	$ 1,997,478	$ 4,993,631	$ 6,991,109
2022	277,190	91,466	185,724	$ 21.74	$ 28.72	$ 1,988,765	$ 5,333,590	$ 7,322,356
2023	277,190	89,955	187,235	$ 24.06	$ 30.52	$ 2,164,300	$ 5,713,630	$ 7,877,930
2024	277,190	97,672	179,518	$ 24.29	$ 32.23	$ 2,372,236	$ 5,785,211	$ 8,157,447
2025	277,190	84,714	192,476	$ 25.78	$ 33.77	$ 2,183,658	$ 6,500,488	$ 8,684,146
2026	277,190	88,479	188,712	$ 26.77	$ 34.27	$ 2,368,457	$ 6,467,748	$ 8,836,205
2027	277,190	79,027	198,164	$ 26.49	$ 34.35	$ 2,093,657	$ 6,807,303	$ 8,900,960
2028	277,190	67,248	209,943	$ 28.66	$ 34.52	$ 1,927,174	$ 7,247,965	$ 9,175,139
2029	277,190	70,534	206,656	$ 28.12	$ 35.10	$ 1,983,363	$ 7,253,591	$ 9,236,954
2030	277,190	68,590	208,600	$ 28.32	$ 35.76	$ 1,942,291	$ 7,459,284	$ 9,401,575
2031	277,190	60,583	216,607	$ 28.23	$ 36.72	$ 1,710,301	$ 7,954,864	$ 9,665,165
2032	277,190	55,351	221,840	$ 30.34	$ 38.43	$ 1,679,440	$ 8,524,610	$ 10,204,050
2033	277,190	60,299	216,891	$ 30.20	$ 39.79	$ 1,821,276	$ 8,631,037	$ 10,452,313
2034	277,190	53,248	223,942	$ 30.31	$ 41.14	$ 1,613,732	$ 9,214,079	$ 10,827,812
2035	277,190	55,170	222,020	$ 31.89	$ 41.89	$ 1,759,455	$ 9,301,412	$ 11,060,868
2036	277,190	49,697	227,494	$ 30.93	$ 42.32	$ 1,537,351	$ 9,626,734	$ 11,164,085
2037	277,190	49,272	227,919	$ 32.14	$ 43.48	$ 1,583,644	$ 9,910,586	$ 11,494,230



Average Avoided Cost ($/MWh)
$ 19.64
$ 21.79
$ 24.23
$ 25.22
$ 26.42
$ 28.42
$ 29.43
$ 31.33
$ 31.88
$ 32.11
$ 33.10
$ 33.32
$ 33.92
$ 34.87
$ 36.81
$ 37.71
$ 39.06
$ 39.90
$ 40.28
$ 41.47



Books	South Dakota
Date Intervals	Monthly
Stats	Mean
	0 Simulation
Study Portfolios	

Heavy Load

				2018-01	2018-02	2018-03	2018-04	2018-05
MARKETPRICE - Market Price $/Unit								
Forward Curve								
NWE Purchase Price - Load								
MEAN				$ 35.32	$ 32.92	$ 27.17	$ 24.72	$ 25.57
NWE Sales Price - Neal								
MARKETPRICE - Market Price $/Unit				$ 35.36	$ 32.96	$ 27.21	$ 24.76	$ 25.61
PRB								
MEAN				$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97
Big Stone Heat Rate	10872	tCO2/MWh	1.010959					
Big Stone VOM				1.40	1.40	1.40	1.40	1.40
Big Stone Fuel Deliv				1.43	1.43	1.43	1.43	1.43
Big Stone Variable Cost								
MEAN				$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49
free purchase price								
MEAN				$ 35.32	$ 32.92	$ 27.17	$ 24.72	$ 25.57
Big Stone Variable Cost								
MEAN				$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49

Offsetting Generation sales price		$ 35.36	$ 32.96	$ 27.21	$ 24.76	$ 25.61
Coyote variable cost	11100	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88
Neal variable cost	10000	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77
price less than neal =$0		$ 27.49	$ 27.49	$ 22.77	$ 22.77	$ 22.77
Coyote transport		0.83	0.83	0.83	0.83	0.83
Coyote v.o.m.		0.91	0.91	0.91	0.91	0.91
Neal transport		1.26	1.26	1.26	1.26	1.26
Neal v.o.m.		0.46	0.46	0.46	0.46	0.46

2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03	2019-04	2019-05	2019-06
$ 25.37	$ 31.97	$ 29.07	$ 24.52	$ 24.67	$ 24.57	$ 25.07	$ 38.59	$ 35.97	$ 29.68	$ 27.00	$ 27.93	$ 27.71
$ 25.41	$ 32.01	$ 29.11	$ 24.56	$ 24.71	$ 24.61	$ 25.11	$ 38.63	$ 36.01	$ 29.72	$ 27.04	$ 27.97	$ 27.75
$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99
1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.43	1.43	1.43	1.43	1.43	1.43
1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.49	1.49	1.49	1.49	1.49	1.49
$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35
$ 25.37	$ 31.97	$ 29.07	$ 24.52	$ 24.67	$ 24.57	$ 25.07	$ 38.59	$ 35.97	$ 29.68	$ 27.00	$ 27.93	$ 27.71
$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35

$ 25.41	$ 32.01	$ 29.11	$ 24.56	$ 24.71	$ 24.61	$ 25.11	$ 38.63	$ 36.01	$ 29.72	$ 27.04	$ 27.97	$ 27.75
$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26
$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27
$ 22.77	$ 27.49	$ 27.49	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 28.35	$ 28.35	$ 28.35	$ 24.26	$ 24.26	$ 24.26
0.83	0.83	0.83	0.83	0.83	0.83	0.83	1.11	1.11	1.11	1.11	1.11	1.11
0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.93	0.93	0.93	0.93	0.93	0.93
1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.29	1.29	1.29	1.29	1.29	1.29
0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47

2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07
$ 34.93	$ 31.76	$ 26.78	$ 26.95	$ 26.84	$ 27.38	$ 42.03	$ 39.17	$ 32.31	$ 29.39	$ 30.41	$ 30.17	$ 38.03
$ 34.97	$ 31.80	$ 26.82	$ 26.98	$ 26.88	$ 27.42	$ 42.06	$ 39.20	$ 32.35	$ 29.43	$ 30.44	$ 30.21	$ 38.07
$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01
1.43	1.43	1.43	1.43	1.43	1.43	1.46	1.46	1.46	1.46	1.46	1.46	1.46
1.49	1.49	1.49	1.49	1.49	1.49	1.54	1.54	1.54	1.54	1.54	1.54	1.54
$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15
$ 34.93	$ 31.76	$ 26.78	$ 26.95	$ 26.84	$ 27.38	$ 42.03	$ 39.17	$ 32.31	$ 29.39	$ 30.41	$ 30.17	$ 38.03
$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15

$ 34.97	$ 31.80	$ 26.82	$ 26.98	$ 26.88	$ 27.42	$ 42.06	$ 39.20	$ 32.35	$ 29.43	$ 30.44	$ 30.21	$ 38.07
$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80	$ 21.80
$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 23.27	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52	$ 24.52
$ 28.35	$ 28.35	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15
1.11	1.11	1.11	1.11	1.11	1.11	0.87	0.87	0.87	0.87	0.87	0.87	0.87
0.93	0.93	0.93	0.93	0.93	0.93	0.95	0.95	0.95	0.95	0.95	0.95	0.95
1.29	1.29	1.29	1.29	1.29	1.29	1.39	1.39	1.39	1.39	1.39	1.39	1.39
0.47	0.47	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48

2020-08	2020-09	2020-10	2020-11	2020-12	2021-01	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08
$ 34.58	$ 29.15	$ 29.33	$ 29.21	$ 29.81	$ 44.10	$ 41.10	$ 33.91	$ 30.84	$ 31.90	$ 31.65	$ 39.91	$ 36.28
$ 34.62	$ 29.19	$ 29.37	$ 29.25	$ 29.85	$ 44.14	$ 41.14	$ 33.94	$ 30.88	$ 31.94	$ 31.69	$ 39.95	$ 36.32
$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03
1.46	1.46	1.46	1.46	1.46	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.54	1.54	1.54	1.54	1.54	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95
$ 34.58	$ 29.15	$ 29.33	$ 29.21	$ 29.81	$ 44.10	$ 41.10	$ 33.91	$ 30.84	$ 31.90	$ 31.65	$ 39.91	$ 36.28
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95

$	34.62	$	29.19	$	29.37	$	29.25	$	29.85	$	44.14	$	41.14	$	33.94	$	30.88	$	31.94	$	31.69	$	39.95	$	36.32
$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	23.70	$	23.70	$	23.70	$	23.70	$	23.70	$	23.70	$	23.70	$	23.70
$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	25.51	$	25.51	$	25.51	$	25.51	$	25.51	$	25.51	$	25.51	$	25.51
$	29.15	$	29.15	$	29.15	$	29.15	$	29.15	$	29.95	$	29.95	$	29.95	$	29.95	$	29.95	$	29.95	$	29.95	$	29.95
	0.87		0.87		0.87		0.87		0.87		1.02		1.02		1.02		1.02		1.02		1.02		1.02		1.02
	0.95		0.95		0.95		0.95		0.95		0.97		0.97		0.97		0.97		0.97		0.97		0.97		0.97
	1.39		1.39		1.39		1.39		1.39		1.47		1.47		1.47		1.47		1.47		1.47		1.47		1.47
	0.48		0.48		0.48		0.48		0.48		0.49		0.49		0.49		0.49		0.49		0.49		0.49		0.49

2021-09	2021-10	2021-11	2021-12	2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09
$ 30.59	$ 30.78	$ 30.65	$ 31.28	$ 45.66	$ 42.55	$ 35.11	$ 31.93	$ 33.03	$ 32.77	$ 41.32	$ 37.57	$ 31.67
$ 30.63	$ 30.82	$ 30.69	$ 31.32	$ 45.70	$ 42.59	$ 35.14	$ 31.97	$ 33.07	$ 32.81	$ 41.36	$ 37.61	$ 31.71
$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06
1.48	1.48	1.48	1.48	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
1.59	1.59	1.59	1.59	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92
$ 30.59	$ 30.78	$ 30.65	$ 31.28	$ 45.66	$ 42.55	$ 35.11	$ 31.93	$ 33.03	$ 32.77	$ 41.32	$ 37.57	$ 31.67
$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92

$ 30.63	$ 30.82	$ 30.69	$ 31.32	$ 45.70	$ 42.59	$ 35.14	$ 31.97	$ 33.07	$ 32.81	$ 41.36	$ 37.61	$ 31.71
$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26
$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65
$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92
1.02	1.02	1.02	1.02	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
0.97	0.97	0.97	0.97	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
1.47	1.47	1.47	1.47	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

2022-10	2022-11	2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10
$ 31.87	$ 31.74	$ 32.39	$ 48.47	$ 45.17	$ 37.26	$ 33.89	$ 35.06	$ 34.78	$ 43.86	$ 39.87	$ 33.61	$ 33.82
$ 31.91	$ 31.78	$ 32.42	$ 48.51	$ 45.21	$ 37.30	$ 33.93	$ 35.10	$ 34.82	$ 43.90	$ 39.91	$ 33.65	$ 33.86
$ 1.06	$ 1.06	$ 1.06	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09
1.51	1.51	1.51	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
1.64	1.64	1.64	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
$ 30.92	$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84
$ 31.87	$ 31.74	$ 32.39	$ 48.47	$ 45.17	$ 37.26	$ 33.89	$ 35.06	$ 34.78	$ 43.86	$ 39.87	$ 33.61	$ 33.82
$ 30.92	$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84

$ 31.91	$ 31.78	$ 32.42	$ 48.51	$ 45.21	$ 37.30	$ 33.93	$ 35.10	$ 34.82	$ 43.90	$ 39.91	$ 33.65	$ 33.86
$ 24.26	$ 24.26	$ 24.26	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74	$ 24.74
$ 26.65	$ 26.65	$ 26.65	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73	$ 27.73
$ 30.92	$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84
1.04	1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1.56	1.56	1.56	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51

2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11
$ 33.68	$ 34.37	$ 50.68	$ 47.23	$ 38.96	$ 35.43	$ 36.65	$ 36.37	$ 45.86	$ 41.69	$ 35.14	$ 35.36	$ 35.21
$ 33.72	$ 34.41	$ 50.72	$ 47.27	$ 38.99	$ 35.47	$ 36.69	$ 36.40	$ 45.90	$ 41.73	$ 35.18	$ 35.40	$ 35.25
$ 1.09	$ 1.09	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11
1.54	1.54	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
1.70	1.70	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
$ 31.84	$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74
$ 33.68	$ 34.37	$ 50.68	$ 47.23	$ 38.96	$ 35.43	$ 36.65	$ 36.37	$ 45.86	$ 41.69	$ 35.14	$ 35.36	$ 35.21
$ 31.84	$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74

$ 33.72	$ 34.41	$ 50.72	$ 47.27	$ 38.99	$ 35.47	$ 36.69	$ 36.40	$ 45.90	$ 41.73	$ 35.18	$ 35.40	$ 35.25	
$ 24.74	$ 24.74	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	
$ 27.73	$ 27.73	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	
$ 31.84	$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	
1.05	1.05	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	
1.00	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	
1.63	1.63	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	
0.51	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	

2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12
$ 35.93	$ 53.10	$ 49.48	$ 40.81	$ 37.12	$ 38.40	$ 38.10	$ 48.05	$ 43.68	$ 36.82	$ 37.04	$ 36.89	$ 37.65
$ 35.97	$ 53.14	$ 49.52	$ 40.85	$ 37.16	$ 38.44	$ 38.14	$ 48.09	$ 43.71	$ 36.85	$ 37.08	$ 36.93	$ 37.68
$ 1.11	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15
1.58	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
1.76	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
$ 32.74	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42
$ 35.93	$ 53.10	$ 49.48	$ 40.81	$ 37.12	$ 38.40	$ 38.10	$ 48.05	$ 43.68	$ 36.82	$ 37.04	$ 36.89	$ 37.65
$ 32.74	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42

$ 35.97	$ 53.14	$ 49.52	$ 40.85	$ 37.16	$ 38.44	$ 38.14	$ 48.09	$ 43.71	$ 36.85	$ 37.08	$ 36.93	$ 37.68
$ 25.21	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74
$ 28.71	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90
$ 32.74	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42
1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
1.03	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
1.71	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79
0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53

2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027-01
$ 54.11	$ 50.42	$ 41.59	$ 37.83	$ 39.13	$ 38.82	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.59	$ 38.36	$ 54.12
$ 54.15	$ 50.46	$ 41.63	$ 37.86	$ 39.17	$ 38.86	$ 49.00	$ 44.55	$ 37.56	$ 37.79	$ 37.63	$ 38.40	$ 54.16
$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.22
1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.67
1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.83
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78
$ 54.11	$ 50.42	$ 41.59	$ 37.83	$ 39.13	$ 38.82	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.59	$ 38.36	$ 54.12
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78

$ 54.15	$ 50.46	$ 41.63	$ 37.86	$ 39.17	$ 38.86	$ 49.00	$ 44.55	$ 37.56	$ 37.79	$ 37.63	$ 38.40	$ 54.16
$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.78
$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 31.11
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.09
1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.84
0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55

2027-02	2027-03	2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02
$ 50.43	$ 41.60	$ 37.83	$ 39.14	$ 38.83	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.60	$ 38.37	$ 54.68	$ 50.96
$ 50.47	$ 41.63	$ 37.87	$ 39.18	$ 38.87	$ 49.01	$ 44.55	$ 37.56	$ 37.79	$ 37.64	$ 38.41	$ 54.72	$ 51.00
$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.25	$ 1.25
1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.71	1.71
1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.85	1.85
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41
$ 50.43	$ 41.60	$ 37.83	$ 39.14	$ 38.83	$ 48.97	$ 44.51	$ 37.52	$ 37.75	$ 37.60	$ 38.37	$ 54.68	$ 50.96
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41

$ 50.47	$ 41.63	$ 37.87	$ 39.18	$ 38.87	$ 49.01	$ 44.55	$ 37.56	$ 37.79	$ 37.64	$ 38.41	$ 54.72	$ 51.00
$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 27.24	$ 27.24
$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.67	$ 31.67
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10	1.10
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.11	1.11
1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.86	1.86
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.56	0.56

2028-03	2028-04	2028-05	2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03
$ 42.03	$ 38.22	$ 39.54	$ 39.23	$ 49.48	$ 44.98	$ 37.91	$ 38.15	$ 37.99	$ 38.77	$ 55.28	$ 51.51	$ 42.49
$ 42.07	$ 38.26	$ 39.58	$ 39.27	$ 49.52	$ 45.02	$ 37.95	$ 38.19	$ 38.03	$ 38.81	$ 55.32	$ 51.55	$ 42.52
$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.30	$ 1.30	$ 1.30
1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.74	1.74	1.74
1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.87	1.87	1.87
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18
$ 42.03	$ 38.22	$ 39.54	$ 39.23	$ 49.48	$ 44.98	$ 37.91	$ 38.15	$ 37.99	$ 38.77	$ 55.28	$ 51.51	$ 42.49
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18

$ 42.07	$ 38.26	$ 39.58	$ 39.27	$ 49.52	$ 45.02	$ 37.95	$ 38.19	$ 38.03	$ 38.81	$ 55.32	$ 51.55	$ 42.52
$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.85	$ 27.85	$ 27.85
$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 32.37	$ 32.37	$ 32.37
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11
1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.13	1.13	1.13
1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.88	1.88	1.88
0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.58	0.58	0.58

2029-04	2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03	2030-04
$ 38.64	$ 39.97	$ 39.66	$ 50.02	$ 45.47	$ 38.33	$ 38.56	$ 38.41	$ 39.19	$ 56.21	$ 52.38	$ 43.20	$ 39.29
$ 38.68	$ 40.01	$ 39.70	$ 50.06	$ 45.51	$ 38.36	$ 38.60	$ 38.44	$ 39.23	$ 56.25	$ 52.42	$ 43.24	$ 39.33
$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.35	$ 1.35	$ 1.35	$ 1.35
1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.77	1.77	1.77	1.77
1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88
$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85
$ 38.64	$ 39.97	$ 39.66	$ 50.02	$ 45.47	$ 38.33	$ 38.56	$ 38.41	$ 39.19	$ 56.21	$ 52.38	$ 43.20	$ 39.29
$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85

$ 38.68	$ 40.01	$ 39.70	$ 50.06	$ 45.51	$ 38.36	$ 38.60	$ 38.44	$ 39.23	$ 56.25	$ 52.42	$ 43.24	$ 39.33
$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 28.37	$ 28.37	$ 28.37	$ 28.37
$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.98	$ 32.98	$ 32.98	$ 32.98
$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85
1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10
1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.15	1.15	1.15	1.15
1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89
0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59

2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02	2031-03	2031-04	2031-05
$ 40.65	$ 40.33	$ 50.87	$ 46.24	$ 38.97	$ 39.21	$ 39.05	$ 39.85	$ 57.66	$ 53.73	$ 44.31	$ 40.30	$ 41.69
$ 40.69	$ 40.37	$ 50.90	$ 46.27	$ 39.01	$ 39.25	$ 39.09	$ 39.89	$ 57.70	$ 53.77	$ 44.35	$ 40.34	$ 41.73
$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40
1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.81	1.81	1.81	1.81	1.81
1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89
$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61
$ 40.65	$ 40.33	$ 50.87	$ 46.24	$ 38.97	$ 39.21	$ 39.05	$ 39.85	$ 57.66	$ 53.73	$ 44.31	$ 40.30	$ 41.69
$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61

$ 40.69	$ 40.37	$ 50.90	$ 46.27	$ 39.01	$ 39.25	$ 39.09	$ 39.89	$ 57.70	$ 53.77	$ 44.35	$ 40.34	$ 41.73
$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95
$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65
$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.18	1.18	1.18	1.18	1.18
1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.90
0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60

2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06
$ 41.36	$ 52.17	$ 47.42	$ 39.97	$ 40.22	$ 40.05	$ 40.87	$ 60.25	$ 56.14	$ 46.30	$ 42.11	$ 43.56	$ 43.22
$ 41.40	$ 52.21	$ 47.46	$ 40.01	$ 40.26	$ 40.09	$ 40.91	$ 60.29	$ 56.18	$ 46.34	$ 42.15	$ 43.60	$ 43.26
$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44
1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.85	1.85	1.85	1.85	1.85	1.85
1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.91	1.91	1.91	1.91	1.91	1.91
$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30
$ 41.36	$ 52.17	$ 47.42	$ 39.97	$ 40.22	$ 40.05	$ 40.87	$ 60.25	$ 56.14	$ 46.30	$ 42.11	$ 43.56	$ 43.22
$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30

$ 41.40	$ 52.21	$ 47.46	$ 40.01	$ 40.26	$ 40.09	$ 40.91	$ 60.29	$ 56.18	$ 46.34	$ 42.15	$ 43.60	$ 43.26
$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47
$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26
$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11	1.11	1.11
1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.20	1.20	1.20	1.20	1.20	1.20
1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.93	1.93	1.93	1.93	1.93	1.93
0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.61

2032-07	2032-08	2032-09	2032-10	2032-11	2032-12	2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07
$ 54.52	$ 49.55	$ 41.77	$ 42.02	$ 41.85	$ 42.71	$ 62.16	$ 57.92	$ 47.77	$ 43.44	$ 44.94	$ 44.59	$ 56.25
$ 54.56	$ 49.59	$ 41.80	$ 42.06	$ 41.89	$ 42.75	$ 62.20	$ 57.96	$ 47.81	$ 43.48	$ 44.98	$ 44.63	$ 56.28
$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
1.85	1.85	1.85	1.85	1.85	1.85	1.88	1.88	1.88	1.88	1.88	1.88	1.88
1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.92
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08
$ 54.52	$ 49.55	$ 41.77	$ 42.02	$ 41.85	$ 42.71	$ 62.16	$ 57.92	$ 47.77	$ 43.44	$ 44.94	$ 44.59	$ 56.25
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08

$ 54.56	$ 49.59	$ 41.80	$ 42.06	$ 41.89	$ 42.75	$ 62.20	$ 57.96	$ 47.81	$ 43.48	$ 44.98	$ 44.63	$ 56.28
$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08
$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96
$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08
1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.20	1.20	1.20	1.20	1.20	1.20	1.23	1.23	1.23	1.23	1.23	1.23	1.23
1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62

2033-08	2033-09	2033-10	2033-11	2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08
$ 51.12	$ 43.09	$ 43.35	$ 43.18	$ 44.06	$ 64.10	$ 59.73	$ 49.25	$ 44.79	$ 46.34	$ 45.98	$ 58.00	$ 52.72
$ 51.16	$ 43.13	$ 43.39	$ 43.21	$ 44.10	$ 64.14	$ 59.77	$ 49.29	$ 44.83	$ 46.38	$ 46.02	$ 58.04	$ 52.75
$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55
1.88	1.88	1.88	1.88	1.88	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
1.92	1.92	1.92	1.92	1.92	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85
$ 51.12	$ 43.09	$ 43.35	$ 43.18	$ 44.06	$ 64.10	$ 59.73	$ 49.25	$ 44.79	$ 46.34	$ 45.98	$ 58.00	$ 52.72
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85

$ 51.16	$ 43.13	$ 43.39	$ 43.21	$ 44.10	$ 64.14	$ 59.77	$ 49.29	$ 44.83	$ 46.38	$ 46.02	$ 58.04	$ 52.75
$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66
$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.23	1.23	1.23	1.23	1.23	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
1.93	1.93	1.93	1.93	1.93	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
0.62	0.62	0.62	0.62	0.62	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64

2034-09	2034-10	2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09
$ 44.43	$ 44.70	$ 44.52	$ 45.43	$ 65.51	$ 61.04	$ 50.34	$ 45.78	$ 47.36	$ 46.99	$ 59.27	$ 53.88	$ 45.41
$ 44.47	$ 44.74	$ 44.56	$ 45.47	$ 65.55	$ 61.08	$ 50.38	$ 45.82	$ 47.40	$ 47.03	$ 59.31	$ 53.91	$ 45.44
$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59
1.92	1.92	1.92	1.92	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96
1.94	1.94	1.94	1.94	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68
$ 44.43	$ 44.70	$ 44.52	$ 45.43	$ 65.51	$ 61.04	$ 50.34	$ 45.78	$ 47.36	$ 46.99	$ 59.27	$ 53.88	$ 45.41
$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68

$ 44.47	$ 44.74	$ 44.56	$ 45.47	$ 65.55	$ 61.08	$ 50.38	$ 45.82	$ 47.40	$ 47.03	$ 59.31	$ 53.91	$ 45.44
$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31
$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40
$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68
1.10	1.10	1.10	1.10	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
1.25	1.25	1.25	1.25	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
1.95	1.95	1.95	1.95	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65

2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07	2036-08	2036-09	2036-10
$ 45.68	$ 45.50	$ 46.43	$ 66.04	$ 61.53	$ 50.74	$ 46.14	$ 47.74	$ 47.36	$ 59.75	$ 54.31	$ 45.77	$ 46.05
$ 45.72	$ 45.54	$ 46.47	$ 66.07	$ 61.57	$ 50.78	$ 46.18	$ 47.78	$ 47.40	$ 59.79	$ 54.35	$ 45.81	$ 46.09
$ 1.59	$ 1.59	$ 1.59	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64
1.96	1.96	1.96	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
1.97	1.97	1.97	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
$ 40.68	$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53
$ 45.68	$ 45.50	$ 46.43	$ 66.04	$ 61.53	$ 50.74	$ 46.14	$ 47.74	$ 47.36	$ 59.75	$ 54.31	$ 45.77	$ 46.05
$ 40.68	$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53

$ 45.72	$ 45.54	$ 46.47	$ 66.07	$ 61.57	$ 50.78	$ 46.18	$ 47.78	$ 47.40	$ 59.79	$ 54.35	$ 45.81	$ 46.09
$ 31.31	$ 31.31	$ 31.31	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97
$ 36.40	$ 36.40	$ 36.40	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17
$ 40.68	$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53
1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
1.27	1.27	1.27	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
1.98	1.98	1.98	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
0.65	0.65	0.65	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

2036-11	2036-12	2037-01	2037-02	2037-03	2037-04	2037-05	2037-06	2037-07	2037-08	2037-09	2037-10	2037-11
$ 45.86	$ 46.80	$ 67.74	$ 63.12	$ 52.05	$ 47.33	$ 48.97	$ 48.58	$ 61.29	$ 55.70	$ 46.95	$ 47.23	$ 47.04
$ 45.90	$ 46.84	$ 67.77	$ 63.15	$ 52.09	$ 47.37	$ 49.01	$ 48.62	$ 61.33	$ 55.74	$ 46.99	$ 47.27	$ 47.08
$ 1.64	$ 1.64	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69
2.00	2.00	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
2.00	2.00	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02
$ 41.53	$ 41.53	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38
$ 45.86	$ 46.80	$ 67.74	$ 63.12	$ 52.05	$ 47.33	$ 48.97	$ 48.58	$ 61.29	$ 55.70	$ 46.95	$ 47.23	$ 47.04
$ 41.53	$ 41.53	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38

$ 45.90	$ 46.84	$ 67.77	$ 63.15	$ 52.09	$ 47.37	$ 49.01	$ 48.62	$ 61.33	$ 55.74	$ 46.99	$ 47.27	$ 47.08
$ 31.97	$ 31.97	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63
$ 37.17	$ 37.17	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92
$ 41.53	$ 41.53	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38
1.12	1.12	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
1.30	1.30	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
2.01	2.01	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68

	Light Load											
2037-12		**2018-01**	**2018-02**	**2018-03**	**2018-04**	**2018-05**	**2018-06**	**2018-07**	**2018-08**	**2018-09**	**2018-10**	**2018-11**
$ 48.00		$ 26.72	$ 24.37	$ 19.82	$ 18.72	$ 14.82	$ 15.47	$ 17.12	$ 16.77	$ 14.77	$ 16.37	$ 17.22
$ 48.04		$ 26.76	$ 24.41	$ 19.86	$ 18.76	$ 14.86	$ 15.51	$ 17.16	$ 16.81	$ 14.81	$ 16.41	$ 17.26
$ 1.69		$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97	$ 0.97
2.04		1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
2.02		1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
$ 42.38		$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49
$ 48.00		$ 26.72	$ 24.37	$ 19.82	$ 18.72	$ 14.82	$ 15.47	$ 17.12	$ 16.77	$ 14.77	$ 16.37	$ 17.22
$ 42.38	$ -	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49	$ 27.49

$ 48.04	$ 26.76	$ 24.41	$ 19.86	$ 18.76	$ 14.86	$ 15.51	$ 17.16	$ 16.81	$ 14.81	$ 16.41	$ 17.26	
$ 32.63	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	$ 20.88	
$ 37.92	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	$ 22.77	
$ 42.38	$ 22.77	$ 22.77	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
1.13	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	
1.32	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	
2.03	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	
0.68	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	

2018-12	2019-01	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12
$ 17.97	$ 29.19	$ 26.62	$ 21.64	$ 20.44	$ 16.17	$ 16.88	$ 18.69	$ 18.30	$ 16.12	$ 17.87	$ 18.80	$ 19.62
$ 18.01	$ 29.23	$ 26.66	$ 21.68	$ 20.48	$ 16.21	$ 16.92	$ 18.73	$ 18.34	$ 16.16	$ 17.91	$ 18.84	$ 19.66
$ 0.97	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99	$ 0.99
1.40	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
1.43	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
$ 27.49	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35
$ 17.97	$ 29.19	$ 26.62	$ 21.64	$ 20.44	$ 16.17	$ 16.88	$ 18.69	$ 18.30	$ 16.12	$ 17.87	$ 18.80	$ 19.62
$ 27.49	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35	$ 28.35

$	18.01	$	29.23	$	26.66	$	21.68	$	20.48	$	16.21	$	16.92	$	18.73	$	18.34	$	16.16	$	17.91	$	18.84	$	19.66
$	20.88	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26	$	24.26
$	22.77	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27	$	23.27
$	-	$	28.35	$	24.26	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-
	0.83		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11		1.11
	0.91		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93		0.93
	1.26		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29		1.29
	0.46		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47

2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01
$ 31.77	$ 28.97	$ 23.55	$ 22.24	$ 17.59	$ 18.37	$ 20.33	$ 19.92	$ 17.53	$ 19.44	$ 20.45	$ 21.35	$ 33.34
$ 31.81	$ 29.01	$ 23.59	$ 22.28	$ 17.63	$ 18.41	$ 20.37	$ 19.96	$ 17.57	$ 19.48	$ 20.49	$ 21.39	$ 33.38
$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.01	$ 1.03
1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.48
1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.59
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95
$ 31.77	$ 28.97	$ 23.55	$ 22.24	$ 17.59	$ 18.37	$ 20.33	$ 19.92	$ 17.53	$ 19.44	$ 20.45	$ 21.35	$ 33.34
$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.15	$ 29.95

$	31.81	$	29.01	$	23.59	$	22.28	$	17.63	$	18.41	$	20.37	$	19.96	$	17.57	$	19.48	$	20.49	$	21.39	$	33.38
$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	21.80	$	23.70
$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	24.52	$	25.51
$	29.15	$	24.52	$	21.80	$	21.80	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	29.95
	0.87		0.87		0.87		0.87		0.87		0.87		0.87		0.87		0.87		0.87		0.87		0.87		1.02
	0.95		0.95		0.95		0.95		0.95		0.95		0.95		0.95		0.95		0.95		0.95		0.95		0.97
	1.39		1.39		1.39		1.39		1.39		1.39		1.39		1.39		1.39		1.39		1.39		1.39		1.47
	0.48		0.48		0.48		0.48		0.48		0.48		0.48		0.48		0.48		0.48		0.48		0.48		0.49

2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022-01	2022-02
$ 30.40	$ 24.71	$ 23.34	$ 18.46	$ 19.27	$ 21.34	$ 20.90	$ 18.40	$ 20.40	$ 21.46	$ 22.40	$ 34.52	$ 31.47
$ 30.44	$ 24.75	$ 23.38	$ 18.50	$ 19.31	$ 21.38	$ 20.94	$ 18.44	$ 20.44	$ 21.50	$ 22.44	$ 34.56	$ 31.51
$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.03	$ 1.06	$ 1.06
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.51	1.51
1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.64	1.64
$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92
$ 30.40	$ 24.71	$ 23.34	$ 18.46	$ 19.27	$ 21.34	$ 20.90	$ 18.40	$ 20.40	$ 21.46	$ 22.40	$ 34.52	$ 31.47
$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 29.95	$ 30.92	$ 30.92

$ 30.44	$ 24.75	$ 23.38	$ 18.50	$ 19.31	$ 21.38	$ 20.94	$ 18.44	$ 20.44	$ 21.50	$ 22.44	$ 34.56	$ 31.51
$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 23.70	$ 24.26	$ 24.26
$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 25.51	$ 26.65	$ 26.65
$ 29.95	$ 23.70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 30.92	$ 30.92
1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.04	1.04
0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.99	0.99
1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.56	1.56
0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.50

2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023-01	2023-02	2023-03
$ 25.58	$ 24.16	$ 19.11	$ 19.95	$ 22.08	$ 21.63	$ 19.04	$ 21.11	$ 22.21	$ 23.18	$ 36.64	$ 33.41	$ 27.15
$ 25.62	$ 24.20	$ 19.15	$ 19.99	$ 22.12	$ 21.67	$ 19.08	$ 21.15	$ 22.25	$ 23.22	$ 36.67	$ 33.44	$ 27.18
$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.06	$ 1.09	$ 1.09	$ 1.09
1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.54	1.54	1.54
1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.70	1.70	1.70
$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84
$ 25.58	$ 24.16	$ 19.11	$ 19.95	$ 22.08	$ 21.63	$ 19.04	$ 21.11	$ 22.21	$ 23.18	$ 36.64	$ 33.41	$ 27.15
$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 30.92	$ 31.84	$ 31.84	$ 31.84

$ 25.62	$ 24.20	$ 19.15	$ 19.99	$ 22.12	$ 21.67	$ 19.08	$ 21.15	$ 22.25	$ 23.22	$ 36.67	$ 33.44	$ 27.18
$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.26	$ 24.74	$ 24.74	$ 24.74
$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 26.65	$ 27.73	$ 27.73	$ 27.73
$ 24.26	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 31.84	$ 31.84	$ 24.74
1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.05
0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00
1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.63	1.63	1.63
0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51

2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04
$ 25.64	$ 20.27	$ 21.17	$ 23.44	$ 22.96	$ 20.20	$ 22.41	$ 23.57	$ 24.61	$ 38.30	$ 34.92	$ 28.38	$ 26.79
$ 25.68	$ 20.30	$ 21.21	$ 23.47	$ 23.00	$ 20.23	$ 22.45	$ 23.60	$ 24.65	$ 38.34	$ 34.96	$ 28.42	$ 26.83
$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.09	$ 1.11	$ 1.11	$ 1.11	$ 1.11
1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.58	1.58	1.58	1.58
1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.76	1.76	1.76	1.76
$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74
$ 25.64	$ 20.27	$ 21.17	$ 23.44	$ 22.96	$ 20.20	$ 22.41	$ 23.57	$ 24.61	$ 38.30	$ 34.92	$ 28.38	$ 26.79
$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 31.84	$ 32.74	$ 32.74	$ 32.74	$ 32.74

$	25.68	$	20.30	$	21.21	$	23.47	$	23.00	$	20.23	$	22.45	$	23.60	$	24.65	$	38.34	$	34.96	$	28.42	$	26.83
$	24.74	$	24.74	$	24.74	$	24.74	$	24.74	$	24.74	$	24.74	$	24.74	$	24.74	$	25.21	$	25.21	$	25.21	$	25.21
$	27.73	$	27.73	$	27.73	$	27.73	$	27.73	$	27.73	$	27.73	$	27.73	$	27.73	$	28.71	$	28.71	$	28.71	$	28.71
$	24.74	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	32.74	$	32.74	$	25.21	$	25.21
	1.05		1.05		1.05		1.05		1.05		1.05		1.05		1.05		1.05		1.07		1.07		1.07		1.07
	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.03		1.03		1.03		1.03
	1.63		1.63		1.63		1.63		1.63		1.63		1.63		1.63		1.63		1.71		1.71		1.71		1.71
	0.51		0.51		0.51		0.51		0.51		0.51		0.51		0.51		0.51		0.52		0.52		0.52		0.52

2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05
$ 21.18	$ 22.12	$ 24.49	$ 23.99	$ 21.11	$ 23.41	$ 24.64	$ 25.72	$ 40.13	$ 36.59	$ 29.73	$ 28.07	$ 22.19
$ 21.22	$ 22.16	$ 24.53	$ 24.03	$ 21.15	$ 23.45	$ 24.68	$ 25.76	$ 40.17	$ 36.63	$ 29.77	$ 28.11	$ 22.23
$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.11	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15
1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.61	1.61	1.61	1.61	1.61
1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.78	1.78	1.78	1.78	1.78
$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42
$ 21.18	$ 22.12	$ 24.49	$ 23.99	$ 21.11	$ 23.41	$ 24.64	$ 25.72	$ 40.13	$ 36.59	$ 29.73	$ 28.07	$ 22.19
$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 32.74	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42

$ 21.22	$ 22.16	$ 24.53	$ 24.03	$ 21.15	$ 23.45	$ 24.68	$ 25.76	$ 40.17	$ 36.63	$ 29.77	$ 28.11	$ 22.23
$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.21	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74
$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 28.71	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 25.21	$ 33.42	$ 33.42	$ 25.74	$ 25.74	$ -
1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.05	1.05	1.05	1.05	1.05
1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.79	1.79	1.79	1.79	1.79
0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.53

2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06
$ 23.17	$ 25.66	$ 25.13	$ 22.11	$ 24.53	$ 25.81	$ 26.94	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62
$ 23.21	$ 25.70	$ 25.17	$ 22.15	$ 24.57	$ 25.85	$ 26.98	$ 40.93	$ 37.32	$ 30.33	$ 28.64	$ 22.65	$ 23.65
$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.15	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18
1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.64	1.64	1.64	1.64	1.64	1.64
1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.80	1.80	1.80	1.80	1.80	1.80
$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08
$ 23.17	$ 25.66	$ 25.13	$ 22.11	$ 24.53	$ 25.81	$ 26.94	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62
$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 33.42	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08

$ 23.21	$ 25.70	$ 25.17	$ 22.15	$ 24.57	$ 25.85	$ 26.98	$ 40.93	$ 37.32	$ 30.33	$ 28.64	$ 22.65	$ 23.65
$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 25.74	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24
$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 29.90	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48
$ -	$ -	$ -	$ -	$ -	$ 25.74	$ 25.74	$ 34.08	$ 34.08	$ 26.24	$ 26.24	$ -	$ -
1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.09	1.09	1.09	1.09	1.09	1.09
1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.07	1.07	1.07	1.07	1.07	1.07
1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.81	1.81	1.81	1.81	1.81	1.81
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54

2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06	2027-07
$ 26.15	$ 25.61	$ 22.54	$ 25.00	$ 26.30	$ 27.46	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62	$ 26.15
$ 26.18	$ 25.64	$ 22.57	$ 25.03	$ 26.33	$ 27.49	$ 40.94	$ 37.33	$ 30.34	$ 28.65	$ 22.66	$ 23.66	$ 26.19
$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.18	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22
1.64	1.64	1.64	1.64	1.64	1.64	1.67	1.67	1.67	1.67	1.67	1.67	1.67
1.80	1.80	1.80	1.80	1.80	1.80	1.83	1.83	1.83	1.83	1.83	1.83	1.83
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78
$ 26.15	$ 25.61	$ 22.54	$ 25.00	$ 26.30	$ 27.46	$ 40.90	$ 37.29	$ 30.30	$ 28.61	$ 22.62	$ 23.62	$ 26.15
$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.08	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78

$ 26.18	$ 25.64	$ 22.57	$ 25.03	$ 26.33	$ 27.49	$ 40.94	$ 37.33	$ 30.34	$ 28.65	$ 22.66	$ 23.66	$ 26.19
$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.24	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78
$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 30.48	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11
$ -	$ -	$ -	$ -	$ 26.24	$ 26.24	$ 34.78	$ 34.78	$ 26.78	$ 26.78	$ -	$ -	$ -
1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.07	1.07	1.07	1.07	1.07	1.07	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.81	1.81	1.81	1.81	1.81	1.81	1.84	1.84	1.84	1.84	1.84	1.84	1.84
0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.55	0.55

2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05	2028-06	2028-07	2028-08
$ 25.61	$ 22.54	$ 25.00	$ 26.31	$ 27.46	$ 41.33	$ 37.68	$ 30.62	$ 28.91	$ 22.85	$ 23.86	$ 26.42	$ 25.88
$ 25.65	$ 22.58	$ 25.04	$ 26.35	$ 27.50	$ 41.37	$ 37.72	$ 30.66	$ 28.95	$ 22.89	$ 23.90	$ 26.46	$ 25.92
$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.22	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.25
1.67	1.67	1.67	1.67	1.67	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
1.83	1.83	1.83	1.83	1.83	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41
$ 25.61	$ 22.54	$ 25.00	$ 26.31	$ 27.46	$ 41.33	$ 37.68	$ 30.62	$ 28.91	$ 22.85	$ 23.86	$ 26.42	$ 25.88
$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 34.78	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 35.41

$ 25.65	$ 22.58	$ 25.04	$ 26.35	$ 27.50	$ 41.37	$ 37.72	$ 30.66	$ 28.95	$ 22.89	$ 23.90	$ 26.46	$ 25.92
$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 26.78	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.24
$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.11	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 31.67
$ -	$ -	$ -	$ -	$ 26.78	$ 35.41	$ 35.41	$ 27.24	$ 27.24	$ -	$ -	$ -	$ -
1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.09	1.09	1.09	1.09	1.09	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
1.84	1.84	1.84	1.84	1.84	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
0.55	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56

2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09
$ 22.78	$ 25.26	$ 26.58	$ 27.74	$ 41.78	$ 38.09	$ 30.95	$ 29.22	$ 23.10	$ 24.12	$ 26.71	$ 26.16	$ 23.02
$ 22.82	$ 25.30	$ 26.62	$ 27.78	$ 41.82	$ 38.13	$ 30.99	$ 29.26	$ 23.14	$ 24.16	$ 26.75	$ 26.20	$ 23.06
$ 1.25	$ 1.25	$ 1.25	$ 1.25	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30	$ 1.30
1.71	1.71	1.71	1.71	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74
1.85	1.85	1.85	1.85	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18
$ 22.78	$ 25.26	$ 26.58	$ 27.74	$ 41.78	$ 38.09	$ 30.95	$ 29.22	$ 23.10	$ 24.12	$ 26.71	$ 26.16	$ 23.02
$ 35.41	$ 35.41	$ 35.41	$ 35.41	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18	$ 36.18

$ 22.82	$ 25.30	$ 26.62	$ 27.78	$ 41.82	$ 38.13	$ 30.99	$ 29.26	$ 23.14	$ 24.16	$ 26.75	$ 26.20	$ 23.06
$ 27.24	$ 27.24	$ 27.24	$ 27.24	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85	$ 27.85
$ 31.67	$ 31.67	$ 31.67	$ 31.67	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37	$ 32.37
$ -	$ -	$ -	$ 27.24	$ 36.18	$ 36.18	$ 27.85	$ 27.85	$ -	$ -	$ -	$ -	$ -
1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
1.11	1.11	1.11	1.11	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
1.86	1.86	1.86	1.86	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
0.56	0.56	0.56	0.56	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58

2029-10	2029-11	2029-12	2030-01	2030-02	2030-03	2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10
$ 25.53	$ 26.87	$ 28.05	$ 42.48	$ 38.73	$ 31.47	$ 29.71	$ 23.49	$ 24.53	$ 27.16	$ 26.60	$ 23.41	$ 25.96
$ 25.57	$ 26.91	$ 28.09	$ 42.52	$ 38.77	$ 31.51	$ 29.75	$ 23.53	$ 24.57	$ 27.20	$ 26.64	$ 23.45	$ 26.00
$ 1.30	$ 1.30	$ 1.30	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35	$ 1.35
1.74	1.74	1.74	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85
$ 25.53	$ 26.87	$ 28.05	$ 42.48	$ 38.73	$ 31.47	$ 29.71	$ 23.49	$ 24.53	$ 27.16	$ 26.60	$ 23.41	$ 25.96
$ 36.18	$ 36.18	$ 36.18	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85	$ 36.85

$ 25.57	$ 26.91	$ 28.09	$ 42.52	$ 38.77	$ 31.51	$ 29.75	$ 23.53	$ 24.57	$ 27.20	$ 26.64	$ 23.45	$ 26.00
$ 27.85	$ 27.85	$ 27.85	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37	$ 28.37
$ 32.37	$ 32.37	$ 32.37	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98	$ 32.98
$ -	$ -	$ 27.85	$ 36.85	$ 36.85	$ 28.37	$ 28.37	$ -	$ -	$ -	$ -	$ -	$ -
1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.13	1.13	1.13	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59

2030-11	2030-12	2031-01	2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11
$ 27.32	$ 28.52	$ 43.58	$ 39.73	$ 32.28	$ 30.48	$ 24.09	$ 25.15	$ 27.85	$ 27.28	$ 24.01	$ 26.63	$ 28.02
$ 27.36	$ 28.56	$ 43.62	$ 39.77	$ 32.32	$ 30.52	$ 24.13	$ 25.19	$ 27.89	$ 27.32	$ 24.05	$ 26.67	$ 28.06
$ 1.35	$ 1.35	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40	$ 1.40
1.77	1.77	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61
$ 27.32	$ 28.52	$ 43.58	$ 39.73	$ 32.28	$ 30.48	$ 24.09	$ 25.15	$ 27.85	$ 27.28	$ 24.01	$ 26.63	$ 28.02
$ 36.85	$ 36.85	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61	$ 37.61

$ 27.36	$ 28.56	$ 43.62	$ 39.77	$ 32.32	$ 30.52	$ 24.13	$ 25.19	$ 27.89	$ 27.32	$ 24.05	$ 26.67	$ 28.06
$ 28.37	$ 28.37	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95	$ 28.95
$ 32.98	$ 32.98	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65	$ 33.65
$ -	$ 28.37	$ 37.61	$ 37.61	$ 28.95	$ 28.95	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.15	1.15	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
1.89	1.89	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60

2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10	2032-11	2032-12
$ 29.25	$ 45.53	$ 41.51	$ 33.72	$ 31.84	$ 25.16	$ 26.28	$ 29.10	$ 28.50	$ 25.08	$ 27.82	$ 29.27	$ 30.56
$ 29.29	$ 45.57	$ 41.55	$ 33.76	$ 31.88	$ 25.20	$ 26.32	$ 29.14	$ 28.54	$ 25.12	$ 27.86	$ 29.31	$ 30.60
$ 1.40	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44	$ 1.44
1.81	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
1.89	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30
$ 29.25	$ 45.53	$ 41.51	$ 33.72	$ 31.84	$ 25.16	$ 26.28	$ 29.10	$ 28.50	$ 25.08	$ 27.82	$ 29.27	$ 30.56
$ 37.61	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30	$ 38.30

$ 29.29	$ 45.57	$ 41.55	$ 33.76	$ 31.88	$ 25.20	$ 26.32	$ 29.14	$ 28.54	$ 25.12	$ 27.86	$ 29.31	$ 30.60								
$ 28.95	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47	$ 29.47								
$ 33.65	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26	$ 34.26								
$ 28.95	$ 38.30	$ 38.30	$ 29.47	$ 29.47	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 29.47								
1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11								
1.18	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20								
1.90	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93								
0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61								

2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12	2034-01
$ 46.97	$ 42.82	$ 34.79	$ 32.85	$ 25.96	$ 27.11	$ 30.02	$ 29.40	$ 25.87	$ 28.69	$ 30.20	$ 31.52	$ 48.43
$ 47.01	$ 42.86	$ 34.83	$ 32.89	$ 26.00	$ 27.15	$ 30.06	$ 29.44	$ 25.91	$ 28.73	$ 30.24	$ 31.56	$ 48.47
$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.55
1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.92
1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.94
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85
$ 46.97	$ 42.82	$ 34.79	$ 32.85	$ 25.96	$ 27.11	$ 30.02	$ 29.40	$ 25.87	$ 28.69	$ 30.20	$ 31.52	$ 48.43
$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.08	$ 39.85

$ 47.01	$ 42.86	$ 34.83	$ 32.89	$ 26.00	$ 27.15	$ 30.06	$ 29.44	$ 25.91	$ 28.73	$ 30.24	$ 31.56	$ 48.47
$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.08	$ 30.66
$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 34.96	$ 35.65
$ 39.08	$ 39.08	$ 30.08	$ 30.08	$ -	$ -	$ -	$ -	$ -	$ -	$ 30.08	$ 30.08	$ 39.85
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.25
1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.95
0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.64

2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10	2034-11	2034-12	2035-01	2035-02
$ 44.15	$ 35.87	$ 33.86	$ 26.76	$ 27.94	$ 30.95	$ 30.31	$ 26.67	$ 29.58	$ 31.13	$ 32.50	$ 49.50	$ 45.12
$ 44.19	$ 35.91	$ 33.90	$ 26.80	$ 27.98	$ 30.99	$ 30.35	$ 26.71	$ 29.62	$ 31.17	$ 32.54	$ 49.54	$ 45.16
$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.55	$ 1.59	$ 1.59
1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.96	1.96
1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.97	1.97
$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68
$ 44.15	$ 35.87	$ 33.86	$ 26.76	$ 27.94	$ 30.95	$ 30.31	$ 26.67	$ 29.58	$ 31.13	$ 32.50	$ 49.50	$ 45.12
$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 39.85	$ 40.68	$ 40.68

$ 44.19	$ 35.91	$ 33.90	$ 26.80	$ 27.98	$ 30.99	$ 30.35	$ 26.71	$ 29.62	$ 31.17	$ 32.54	$ 49.54	$ 45.16
$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 30.66	$ 31.31	$ 31.31
$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 35.65	$ 36.40	$ 36.40
$ 39.85	$ 35.65	$ 30.66	$ -	$ -	$ 30.66	$ -	$ -	$ -	$ 30.66	$ 30.66	$ 40.68	$ 40.68
1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.12	1.12
1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.27	1.27
1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.98	1.98
0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.65

2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10	2035-11	2035-12	2036-01	2036-02	2036-03
$ 36.65	$ 34.61	$ 27.35	$ 28.56	$ 31.63	$ 30.98	$ 27.25	$ 30.23	$ 31.81	$ 33.21	$ 49.90	$ 45.49	$ 36.95
$ 36.69	$ 34.65	$ 27.39	$ 28.60	$ 31.67	$ 31.02	$ 27.29	$ 30.27	$ 31.85	$ 33.25	$ 49.94	$ 45.53	$ 36.99
$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.59	$ 1.64	$ 1.64	$ 1.64
1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	2.00	2.00	2.00
1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	2.00	2.00	2.00
$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53
$ 36.65	$ 34.61	$ 27.35	$ 28.56	$ 31.63	$ 30.98	$ 27.25	$ 30.23	$ 31.81	$ 33.21	$ 49.90	$ 45.49	$ 36.95
$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 40.68	$ 41.53	$ 41.53	$ 41.53

$ 36.69	$ 34.65	$ 27.39	$ 28.60	$ 31.67	$ 31.02	$ 27.29	$ 30.27	$ 31.85	$ 33.25	$ 49.94	$ 45.53	$ 36.99
$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.31	$ 31.97	$ 31.97	$ 31.97
$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 36.40	$ 37.17	$ 37.17	$ 37.17
$ 36.40	$ 31.31	$ -	$ -	$ 31.31	$ -	$ -	$ -	$ 31.31	$ 31.31	$ 41.53	$ 41.53	$ 31.97
1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.30	1.30	1.30
1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.01	2.01	2.01
0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.67	0.67	0.67

2036-04	2036-05	2036-06	2036-07	2036-08	2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03	2037-04
$ 34.88	$ 27.56	$ 28.78	$ 31.88	$ 31.22	$ 27.47	$ 30.47	$ 32.07	$ 33.48	$ 51.19	$ 46.66	$ 37.90	$ 35.79
$ 34.92	$ 27.60	$ 28.82	$ 31.92	$ 31.26	$ 27.51	$ 30.51	$ 32.11	$ 33.52	$ 51.22	$ 46.69	$ 37.93	$ 35.82
$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.64	$ 1.69	$ 1.69	$ 1.69	$ 1.69
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.04	2.04	2.04	2.04
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.02	2.02	2.02	2.02
$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 42.38	$ 42.38	$ 42.38	$ 42.38
$ 34.88	$ 27.56	$ 28.78	$ 31.88	$ 31.22	$ 27.47	$ 30.47	$ 32.07	$ 33.48	$ 51.19	$ 46.66	$ 37.90	$ 35.79
$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 41.53	$ 42.38	$ 42.38	$ 42.38	$ 42.38

$ 34.92	$ 27.60	$ 28.82	$ 31.92	$ 31.26	$ 27.51	$ 30.51	$ 32.11	$ 33.52	$ 51.22	$ 46.69	$ 37.93	$ 35.82
$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 31.97	$ 32.63	$ 32.63	$ 32.63	$ 32.63
$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.17	$ 37.92	$ 37.92	$ 37.92	$ 37.92
$ 31.97	$ -	$ -	$ -	$ -	$ -	$ -	$ 31.97	$ 31.97	$ 42.38	$ 42.38	$ 37.92	$ 32.63
1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.13	1.13
1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.32	1.32	1.32	1.32
2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.03	2.03	2.03	2.03
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68

2037-05	2037-06	2037-07	2037-08	2037-09	2037-10	2037-11	2037-12
$ 28.28	$ 29.53	$ 32.71	$ 32.03	$ 28.18	$ 31.26	$ 32.90	$ 34.34
$ 28.31	$ 29.56	$ 32.74	$ 32.06	$ 28.21	$ 31.29	$ 32.93	$ 34.37
$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69	$ 1.69
2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02
$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38
$ 28.28	$ 29.53	$ 32.71	$ 32.03	$ 28.18	$ 31.26	$ 32.90	$ 34.34
$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38	$ 42.38

$ 28.31	$ 29.56	$ 32.74	$ 32.06	$ 28.21	$ 31.29	$ 32.93	$ 34.37
$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63	$ 32.63
$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92	$ 37.92
$ -	$ -	$ 32.63	$ -	$ -	$ -	$ 32.63	$ 32.63
1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68

Books	SouthDakota
Study Portfolios	
Date Intervals	Monthly
Stats	MEAN

Heavy Load

	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06
MARKETPURCHASESMWH - Spot Purchases MWh						
Total						
MEAN	12,083	11,463	7,898	4,814	15,097	12,619
MARKETSALESMWH - Spot Sales MWh						
Total						
MEAN	17,544	14,526	16,018	19,027	10,662	12,218
MARKETPURCHASESMWH - Spot Purchases MWh						
Total						
MEAN	18,829	17,169	13,411	9,589	23,262	19,052
MARKETSALESMWH - Spot Sales MWh						
Total						
MEAN	10,640	9,242	10,112	12,297	7,091	8,192
Offsetting Generation MWh						
MEAN	6,905	5,284	5,906	6,730	3,572	4,026
Offset Purchases MWh						
MEAN	6,746	5,706	5,513	4,775	8,165	6,433
	2018	2018	2018	2018	2018	2018
Value of offset purchases						
MEAN	$ 238,270	$ 187,851	$ 149,788	$ 118,036	$ 208,789	$ 163,212

Offsetting Generation Avoided Cost												
MEAN	$	189,806	$	145,247	$	134,510	$	153,276	$	81,348	$	91,689
Value of offset purchases												
MEAN	$	238,270	$	187,851	$	149,788	$	118,036	$	208,789	$	163,212

2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03
17,623	19,521	12,947	7,223	9,060	16,868	15,449	14,114	9,246
8,700	9,949	11,444	18,699	11,250	4,731	14,906	12,796	15,338
22,275	25,062	19,229	13,747	15,508	24,856	23,061	20,409	14,785
6,062	6,968	8,600	11,489	6,196	1,703	9,046	8,042	9,995
2,638	2,981	2,844	7,210	5,055	3,028	5,860	4,754	5,343
4,652	5,541	6,282	6,524	6,448	7,988	7,612	6,295	5,540
2018	2018	2018	2018	2018	2018	2019	2019	2019
$ 148,709	$ 161,090	$ 154,042	$ 160,940	$ 158,423	$ 200,253	$ 293,780	$ 226,427	$ 164,419

$	72,508	$	81,948	$	64,774	$	164,194	$	115,117	$	68,951	$	166,133	$	134,761	$	151,459			
$	148,709	$	161,090	$	154,042	$	160,940	$	158,423	$	200,253	$	293,780	$	226,427	$	164,419			

2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12
6,034	13,440	16,696	20,626	20,539	18,545	19,514	10,494	18,974
20,907	12,185	9,308	8,017	8,433	7,631	3,801	10,807	5,111
11,251	21,710	23,369	25,723	26,101	26,050	30,914	16,910	27,263
14,040	8,635	6,207	5,557	5,850	5,570	1,344	6,119	1,821
6,867	3,550	3,101	2,460	2,583	2,060	2,457	4,687	3,290
5,217	8,270	6,673	5,096	5,562	7,505	11,400	6,416	8,289
2019	2019	2019	2019	2019	2019	2019	2019	2019
$ 140,863	$ 230,975	$ 184,918	$ 178,014	$ 176,633	$ 200,995	$ 307,170	$ 172,183	$ 226,973

$ 166,577	$ 86,117	$ 75,229	$ 69,737	$ 73,214	$ 49,980	$ 59,606	$ 113,699	$ 79,801	
$ 140,863	$ 230,975	$ 184,918	$ 178,014	$ 176,633	$ 200,995	$ 307,170	$ 172,183	$ 226,973	

2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09
14,962	13,910	10,839	6,409	11,429	14,447	20,732	18,723	18,000
14,156	12,196	15,717	19,405	12,700	12,324	8,635	8,038	10,372
22,488	19,879	16,977	12,051	18,666	21,110	26,028	23,872	25,429
8,194	7,504	10,330	12,931	9,203	8,149	5,963	5,472	7,794
5,962	4,692	5,387	6,474	3,497	4,174	2,672	2,566	2,577
7,526	5,969	6,138	5,642	7,237	6,663	5,296	5,148	7,430
2020	2020	2020	2020	2020	2020	2020	2020	2020
$ 316,304	$ 233,792	$ 198,350	$ 165,837	$ 220,058	$ 201,008	$ 201,443	$ 178,012	$ 216,612

$	173,771	$	136,766	$	157,024	$	188,686	$	101,929	$	121,667	$	77,886	$	74,779	$	75,124		
$	316,304	$	233,792	$	198,350	$	165,837	$	220,058	$	201,008	$	201,443	$	178,012	$	216,612		

2020-10	2020-11	2020-12	2021-01	2021-02	2021-03	2021-04	2021-05	2021-06
7,673	9,520	19,368	18,076	17,509	13,985	7,519	17,550	15,333
17,864	11,076	5,228	10,875	10,944	14,826	19,398	7,504	11,837
14,227	15,675	28,024	26,056	24,659	21,065	13,649	25,863	22,238
11,150	6,105	1,794	6,544	6,924	9,957	13,260	5,106	7,888
6,714	4,971	3,434	4,331	4,020	4,869	6,138	2,398	3,948
6,554	6,155	8,655	7,980	7,150	7,079	6,129	8,313	6,905
2020	2020	2020	2021	2021	2021	2021	2021	2021
$ 192,252	$ 179,816	$ 258,016	$ 351,908	$ 293,849	$ 240,037	$ 189,044	$ 265,222	$ 218,580

$	195,708	$	144,888	$	100,096	$	129,723	$	120,406	$	145,817	$	183,819	$	71,814	$	118,250				
$	192,252	$	179,816	$	258,016	$	351,908	$	293,849	$	240,037	$	189,044	$	265,222	$	218,580				

2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022-01	2022-02	2022-03
24,193	23,729	19,410	8,349	11,591	22,683	17,079	15,651	11,863
7,117	7,933	9,068	16,689	11,173	5,056	10,610	10,750	15,170
29,591	29,443	27,193	14,922	18,245	32,058	25,090	22,300	18,249
4,854	5,451	6,916	10,524	6,108	1,770	5,604	6,217	9,472
2,262	2,482	2,152	6,165	5,065	3,286	5,005	4,533	5,698
5,399	5,714	7,783	6,573	6,654	9,375	8,011	6,649	6,386
2021	2021	2021	2021	2021	2021	2022	2022	2022
$ 215,453	$ 207,332	$ 238,087	$ 202,315	$ 203,978	$ 293,235	$ 365,785	$ 282,940	$ 224,169

$	67,757	$	74,319	$	64,454	$	184,633	$	151,692	$	98,415	$	154,752	$	140,145	$	176,168
$	215,453	$	207,332	$	238,087	$	202,315	$	203,978	$	293,235	$	365,785	$	282,940	$	224,169

2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12
6,960	16,582	21,663	19,800	22,561	20,860	14,054	11,835	21,371
18,153	7,397	6,642	5,849	7,868	7,809	9,394	11,189	4,385
12,359	24,824	29,543	24,628	28,511	28,790	22,641	18,290	30,286
11,983	4,467	3,806	3,881	5,254	5,870	5,435	5,914	1,267
6,170	2,930	2,836	1,968	2,613	1,939	3,959	5,275	3,118
5,399	8,242	7,880	4,829	5,951	7,930	8,588	6,454	8,915
2022	2022	2022	2022	2022	2022	2022	2022	2022
$ 172,402	$ 272,260	$ 258,266	$ 199,529	$ 223,549	$ 251,168	$ 273,670	$ 204,844	$ 288,714

$ 190,761	$ 90,584	$ 87,692	$ 60,851	$ 80,796	$ 59,962	$ 122,395	$ 163,107	$ 96,395	
$ 172,402	$ 272,260	$ 258,266	$ 199,529	$ 223,549	$ 251,168	$ 273,670	$ 204,844	$ 288,714	

2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09
16,906	15,328	12,180	6,747	16,139	19,068	23,296	26,432	23,001
12,940	11,180	14,850	17,409	9,904	10,366	5,135	7,756	6,221
24,685	21,583	18,419	11,576	24,956	26,399	28,417	32,420	30,829
7,057	6,406	9,041	11,261	6,998	6,858	3,459	5,202	4,521
5,883	4,773	5,809	6,147	2,906	3,508	1,676	2,554	1,700
7,779	6,255	6,239	4,829	8,817	7,331	5,122	5,988	7,828
2023	2023	2023	2023	2023	2023	2023	2023	2023
$ 377,040	$ 282,541	$ 232,444	$ 163,642	$ 309,103	$ 254,985	$ 224,648	$ 238,739	$ 263,120

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2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06
23,080	15,842	21,623	19,779	19,192	12,906	8,663	14,228	17,793
3,004	8,819	3,419	11,481	9,963	11,780	18,566	13,709	9,094
34,334	23,282	30,207	28,343	26,238	19,259	14,668	21,979	24,339
1,111	4,726	1,024	6,390	5,768	7,171	12,525	9,625	5,939
1,892	4,093	2,395	5,091	4,195	4,609	6,041	4,084	3,156
11,253	7,440	8,584	8,563	7,047	6,354	6,005	7,751	6,546
2023	2023	2023	2024	2024	2024	2024	2024	2024
$ 380,582	$ 250,608	$ 295,010	$ 434,003	$ 332,806	$ 247,511	$ 212,772	$ 284,095	$ 238,066

$	60,244	$	130,304	$	76,249	$	166,696	$	137,363	$	150,909	$	197,787	$	133,717	$	103,321		
$	380,582	$	250,608	$	295,010	$	434,003	$	332,806	$	247,511	$	212,772	$	284,095	$	238,066		

2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025-01	2025-02	2025-03
27,092	26,254	19,723	10,831	13,115	25,099	22,003	20,068	15,010
5,116	5,746	9,063	17,221	9,255	3,694	10,795	8,953	10,955
32,836	32,419	26,551	17,997	19,649	34,383	31,104	27,495	21,670
3,320	3,654	6,452	10,494	4,714	1,385	6,047	5,230	6,649
1,796	2,093	2,611	6,727	4,540	2,309	4,748	3,723	4,307
5,744	6,165	6,828	7,167	6,534	9,284	9,101	7,427	6,661
2024	2024	2024	2024	2024	2024	2025	2025	2025
$ 263,406	$ 257,001	$ 239,961	$ 253,409	$ 230,083	$ 333,600	$ 483,276	$ 367,481	$ 271,845

$	58,798	$	68,525	$	85,477	$	220,256	$	148,662	$	75,599	$	158,686	$	124,430	$	143,939
$	263,406	$	257,001	$	239,961	$	253,409	$	230,083	$	333,600	$	483,276	$	367,481	$	271,845

2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12
15,702	18,308	20,183	28,674	27,091	24,498	12,607	14,325	29,289
10,035	8,251	6,829	4,339	5,255	7,085	15,496	8,058	3,560
23,954	26,669	27,648	34,741	32,972	32,549	20,189	20,858	39,238
6,227	5,391	3,880	2,862	3,406	5,173	9,324	4,222	1,473
3,808	2,860	2,949	1,476	1,849	1,912	6,172	3,836	2,087
8,252	8,361	7,464	6,066	5,882	8,052	7,582	6,533	9,950
2025	2025	2025	2025	2025	2025	2025	2025	2025
$ 306,296	$ 321,078	$ 284,373	$ 291,492	$ 256,891	$ 296,436	$ 280,870	$ 241,029	$ 374,564

$	127,271	$	95,606	$	98,568	$	49,348	$	61,810	$	63,917	$	206,292	$	128,211	$	69,755
$	306,296	$	321,078	$	284,373	$	291,492	$	256,891	$	296,436	$	280,870	$	241,029	$	374,564

2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07	2026-08	2026-09
19,097	18,084	15,570	9,382	15,630	19,764	28,812	26,171	24,919
10,363	9,337	12,374	16,531	9,966	9,157	4,365	5,096	6,093
27,072	24,871	22,249	15,522	23,015	26,991	34,938	32,009	32,878
5,488	5,117	7,578	10,532	6,698	5,579	2,605	3,210	4,181
4,875	4,219	4,796	5,999	3,267	3,578	1,760	1,886	1,912
7,975	6,787	6,679	6,140	7,385	7,227	6,127	5,839	7,958
2026	2026	2026	2026	2026	2026	2026	2026	2026
$ 431,564	$ 342,255	$ 277,764	$ 232,244	$ 288,967	$ 280,577	$ 299,988	$ 259,883	$ 298,579

$	166,112	$	143,777	$	163,428	$	204,429	$	111,340	$	121,925	$	59,982	$	64,262	$	65,140			
$	431,564	$	342,255	$	277,764	$	232,244	$	288,967	$	280,577	$	299,988	$	259,883	$	298,579			

2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06
19,287	14,560	30,562	20,691	21,425	16,642	10,973	19,666	25,268
7,860	8,205	3,336	8,594	8,057	11,024	15,239	5,918	5,306
28,839	21,400	40,506	28,956	28,672	23,805	17,515	28,131	33,774
4,180	3,863	1,235	4,558	4,446	6,351	9,693	3,677	2,937
3,680	4,341	2,101	4,036	3,610	4,673	5,546	2,241	2,369
9,553	6,840	9,944	8,265	7,247	7,163	6,542	8,465	8,505
2026	2026	2026	2027	2027	2027	2027	2027	2027
$ 360,601	$ 257,131	$ 381,489	$ 447,270	$ 365,465	$ 297,944	$ 247,498	$ 331,284	$ 330,247

$	125,386	$	147,929	$	71,582	$	140,353	$	125,550	$	162,506	$	192,857	$	77,930	$	82,370
$	360,601	$	257,131	$	381,489	$	447,270	$	365,465	$	297,944	$	247,498	$	331,284	$	330,247

2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03
30,704	30,232	24,732	14,895	18,711	33,685	22,139	21,446	19,319
3,564	5,114	7,823	10,786	7,415	3,360	9,030	8,182	11,248
36,844	36,424	32,464	23,115	26,773	44,337	30,843	28,848	26,889
2,205	3,255	5,704	6,297	3,751	1,414	4,757	4,359	6,818
1,359	1,859	2,119	4,489	3,664	1,946	4,273	3,823	4,430
6,141	6,193	7,732	8,220	8,062	10,652	8,704	7,402	7,570
2027	2027	2027	2027	2027	2027	2028	2028	2028
$ 300,718	$ 275,659	$ 290,130	$ 310,349	$ 303,147	$ 408,691	$ 475,963	$ 377,181	$ 318,169

$	47,259	$	64,647	$	73,706	$	156,105	$	127,425	$	67,674	$	151,291	$	135,360	$	156,851								
$	300,718	$	275,659	$	290,130	$	310,349	$	303,147	$	408,691	$	475,963	$	377,181	$	318,169								

2028-04	2028-05	2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12
11,098	21,812	26,105	29,229	32,203	29,341	29,894	22,204	30,555
14,302	7,836	5,859	3,091	4,934	4,848	1,774	6,383	2,571
17,016	30,609	34,358	35,010	38,959	37,350	42,008	30,765	40,027
9,184	4,926	3,233	1,844	3,122	3,394	541	3,158	1,002
5,118	2,910	2,626	1,246	1,812	1,454	1,234	3,225	1,569
5,918	8,798	8,253	5,781	6,756	8,009	12,114	8,561	9,471
2028	2028	2028	2028	2028	2028	2028	2028	2028
$ 226,202	$ 347,905	$ 323,814	$ 286,057	$ 303,869	$ 303,638	$ 462,110	$ 325,232	$ 367,191

$	181,201	$	103,019	$	92,992	$	44,133	$	64,143	$	51,482	$	43,679	$	114,178	$	55,553
$	226,202	$	347,905	$	323,814	$	286,057	$	303,869	$	303,638	$	462,110	$	325,232	$	367,191

2029-01	2029-02	2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09
26,469	23,144	19,283	12,900	27,908	22,895	32,739	35,023	23,303
6,853	6,748	9,048	13,855	5,428	6,911	2,787	4,478	6,783
36,511	30,959	26,879	19,457	37,590	30,330	38,815	41,830	30,209
3,337	3,520	5,125	8,830	3,451	4,037	1,648	2,890	4,697
3,516	3,228	3,924	5,025	1,977	2,874	1,139	1,588	2,086
10,042	7,815	7,597	6,557	9,682	7,435	6,076	6,807	6,905
2029	2029	2029	2029	2029	2029	2029	2029	2029
$ 555,134	$ 402,586	$ 322,749	$ 253,371	$ 387,051	$ 294,874	$ 303,912	$ 309,530	$ 264,657

$	127,194	$	116,781	$	141,945	$	181,775	$	71,506	$	103,961	$	41,192	$	57,445	$	75,465		
$	555,134	$	402,586	$	322,749	$	253,371	$	387,051	$	294,874	$	303,912	$	309,530	$	264,657		

2029-10	2029-11	2029-12	2030-01	2030-02	2030-03	2030-04	2030-05	2030-06
17,781	21,515	34,123	27,101	24,781	19,949	15,417	19,424	23,494
12,804	7,456	1,826	6,785	6,130	8,885	12,068	10,159	5,876
26,514	29,572	43,918	37,046	32,856	27,141	22,945	27,543	30,993
7,551	3,792	745	3,283	3,127	5,167	7,652	6,500	3,480
5,254	3,664	1,082	3,502	3,003	3,718	4,416	3,658	2,395
8,732	8,057	9,795	9,944	8,075	7,193	7,529	8,119	7,499
2029	2029	2029	2030	2030	2030	2030	2030	2030
$ 336,742	$ 309,431	$ 383,858	$ 559,002	$ 422,971	$ 310,738	$ 295,811	$ 330,020	$ 302,443

$	190,047	$	132,529	$	39,127	$	129,055	$	110,687	$	137,036	$	162,741	$	134,828	$	88,275			
$	336,742	$	309,431	$	383,858	$	559,002	$	422,971	$	310,738	$	295,811	$	330,020	$	302,443			

2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02	2031-03
37,797	35,264	27,477	19,523	22,050	36,960	29,124	27,000	22,701
2,543	3,871	6,698	11,197	6,408	2,165	7,144	6,012	7,957
44,148	41,817	35,008	28,640	30,221	47,198	39,101	35,428	30,434
1,396	2,255	4,710	6,369	3,404	872	3,666	3,332	4,729
1,147	1,617	1,988	4,829	3,004	1,293	3,478	2,680	3,229
6,350	6,553	7,531	9,117	8,171	10,238	9,977	8,428	7,733
2030	2030	2030	2030	2030	2030	2031	2031	2031
$ 323,016	$ 302,963	$ 293,506	$ 357,486	$ 319,105	$ 408,000	$ 575,296	$ 452,813	$ 342,670

$ 42,287	$ 59,593	$ 73,265	$ 177,962	$ 110,727	$ 47,637	$ 130,805	$ 100,799	$ 121,429	
$ 323,016	$ 302,963	$ 293,506	$ 357,486	$ 319,105	$ 408,000	$ 575,296	$ 452,813	$ 342,670	

2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12
23,719	23,377	25,982	37,725	34,922	29,920	21,220	22,500	41,761
6,676	6,983	6,709	2,122	3,107	5,909	10,352	5,635	2,356
32,904	32,199	33,587	44,204	41,366	38,021	30,623	30,391	52,545
3,892	4,583	3,936	1,158	1,747	4,090	5,996	2,917	1,044
2,784	2,400	2,773	964	1,359	1,819	4,355	2,718	1,312
9,185	8,821	7,605	6,480	6,444	8,101	9,403	7,891	10,784
2031	2031	2031	2031	2031	2031	2031	2031	2031
$ 370,152	$ 367,769	$ 314,576	$ 338,057	$ 305,599	$ 323,824	$ 378,177	$ 316,081	$ 440,772

$	104,693	$	90,262	$	104,296	$	36,258	$	51,120	$	68,419	$	163,801	$	102,230	$	49,336
$	370,152	$	367,769	$	314,576	$	338,057	$	305,599	$	323,824	$	378,177	$	316,081	$	440,772

2032-01	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09
29,817	28,491	23,297	16,360	22,687	29,280	39,897	38,529	34,107
5,420	5,211	8,207	12,248	7,722	5,853	1,872	3,097	4,714
39,985	36,653	31,687	23,870	30,806	37,829	46,599	45,433	42,607
2,694	2,738	4,503	7,681	5,238	3,483	957	1,889	3,105
2,726	2,473	3,704	4,567	2,484	2,370	915	1,207	1,609
10,168	8,162	8,391	7,510	8,119	8,549	6,702	6,904	8,500
2032	2032	2032	2032	2032	2032	2032	2032	2032
$ 612,671	$ 458,270	$ 388,501	$ 316,220	$ 353,693	$ 369,498	$ 365,385	$ 342,114	$ 355,017

$ 104,421	$ 94,722	$ 141,872	$ 174,922	$ 95,135	$ 90,773	$ 35,045	$ 46,253	$ 61,621	
$ 612,671	$ 458,270	$ 388,501	$ 316,220	$ 353,693	$ 369,498	$ 365,385	$ 342,114	$ 355,017	

2032-10	2032-11	2032-12	2033-01	2033-02	2033-03	2033-04	2033-05	2033-06
34,294	28,640	46,208	33,705	30,664	26,006	18,673	23,823	30,568
1,430	4,285	2,310	5,007	4,771	8,244	10,043	7,223	5,325
45,765	38,145	57,419	44,013	39,311	34,411	26,354	32,602	39,162
381	2,056	971	2,289	2,359	4,638	6,178	4,767	3,096
1,049	2,229	1,338	2,718	2,412	3,606	3,865	2,456	2,229
11,472	9,505	11,211	10,308	8,647	8,405	7,681	8,779	8,594
2032	2032	2032	2033	2033	2033	2033	2033	2033
$ 482,065	$ 397,808	$ 478,792	$ 640,782	$ 500,841	$ 401,497	$ 333,661	$ 394,549	$ 383,203

$ 40,172	$ 85,382	$ 51,267	$ 106,221	$ 94,269	$ 140,943	$ 151,064	$ 95,976	$ 87,117	
$ 482,065	$ 397,808	$ 478,792	$ 640,782	$ 500,841	$ 401,497	$ 333,661	$ 394,549	$ 383,203	

2033-07	2033-08	2033-09	2033-10	2033-11	2033-12	2034-01	2034-02	2034-03
39,506	44,193	33,772	22,001	27,515	44,294	36,639	30,969	28,745
1,725	3,168	4,889	9,088	5,676	1,739	4,469	4,397	7,643
45,526	51,207	42,239	30,837	36,572	55,108	47,943	39,889	37,512
954	1,767	3,350	5,282	2,999	620	2,111	2,248	4,308
771	1,401	1,538	3,805	2,677	1,120	2,358	2,150	3,335
6,020	7,014	8,467	8,836	9,057	10,814	11,305	8,920	8,767
2033	2033	2033	2033	2033	2033	2034	2034	2034
$ 338,569	$ 358,595	$ 364,827	$ 383,068	$ 391,032	$ 476,473	$ 724,616	$ 532,776	$ 431,803

$ 30,138	$ 54,753	$ 60,121	$ 148,719	$ 104,622	$ 43,760	$ 93,958	$ 85,659	$ 132,906	
$ 338,569	$ 358,595	$ 364,827	$ 383,068	$ 391,032	$ 476,473	$ 724,616	$ 532,776	$ 431,803	

2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10	2034-11	2034-12
25,085	29,025	36,019	41,613	43,572	37,672	23,378	27,000	42,912
5,963	5,132	4,249	1,275	2,279	3,033	8,714	5,416	1,624
33,554	38,815	45,068	47,725	51,190	46,142	32,612	35,819	52,827
3,461	3,260	2,462	597	1,220	2,122	4,740	2,653	630
2,502	1,872	1,786	678	1,059	911	3,974	2,763	994
8,469	9,789	9,049	6,112	7,618	8,469	9,234	8,818	9,915
2034	2034	2034	2034	2034	2034	2034	2034	2034
$ 379,356	$ 453,645	$ 416,041	$ 354,480	$ 401,589	$ 376,277	$ 412,786	$ 392,581	$ 450,452

$	99,691	$	74,578	$	71,184	$	27,017	$	42,205	$	36,305	$	158,362	$	110,103	$	39,626	
$	379,356	$	453,645	$	416,041	$	354,480	$	401,589	$	376,277	$	412,786	$	392,581	$	450,452	

2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09
34,316	30,116	24,752	19,381	23,770	31,614	47,136	51,818	30,485
4,561	4,880	9,683	10,669	9,010	5,665	1,386	2,297	5,797
45,429	38,696	32,472	26,843	32,600	39,471	53,602	59,331	37,545
1,969	2,442	5,936	6,615	6,045	3,285	656	1,292	3,886
2,592	2,437	3,747	4,054	2,965	2,380	730	1,005	1,910
11,113	8,580	7,720	7,462	8,830	7,857	6,467	7,514	7,059
2035	2035	2035	2035	2035	2035	2035	2035	2035
$ 728,023	$ 523,739	$ 388,605	$ 341,600	$ 418,210	$ 369,186	$ 383,301	$ 404,805	$ 320,534

$	105,453	$	99,163	$	152,425	$	164,932	$	120,627	$	96,823	$	29,686	$	40,888	$	77,715
$	728,023	$	523,739	$	388,605	$	341,600	$	418,210	$	369,186	$	383,301	$	404,805	$	320,534

2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06
28,010	33,297	44,197	39,090	35,615	26,396	23,250	24,110	33,990
9,474	5,163	2,308	4,241	4,812	9,229	9,520	10,371	5,517
37,995	42,715	53,919	50,241	44,584	33,903	31,763	32,187	42,079
5,622	2,923	972	1,850	2,549	5,770	6,032	7,237	3,336
3,852	2,240	1,336	2,391	2,263	3,459	3,488	3,134	2,182
9,985	9,419	9,722	11,151	8,968	7,507	8,513	8,077	8,089
2035	2035	2035	2036	2036	2036	2036	2036	2036
$ 456,166	$ 428,530	$ 451,386	$ 736,364	$ 551,822	$ 380,930	$ 392,801	$ 385,589	$ 383,125

$	156,705	$	91,133	$	54,346	$	99,310	$	93,992	$	143,653	$	144,864	$	130,153	$	90,608
$	456,166	$	428,530	$	451,386	$	736,364	$	551,822	$	380,930	$	392,801	$	385,589	$	383,125

2036-07	2036-08	2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03
52,634	48,623	33,747	27,948	33,037	51,415	37,793	34,907	31,397
1,196	1,544	5,568	7,864	3,373	2,187	4,052	4,370	7,521
59,455	55,612	41,898	38,184	42,111	62,373	48,380	43,919	40,099
544	767	3,700	4,233	1,852	937	1,727	2,211	4,591
652	777	1,868	3,631	1,520	1,250	2,324	2,159	2,930
6,821	6,988	8,151	10,236	9,073	10,958	10,587	9,013	8,702
2036	2036	2036	2036	2036	2036	2037	2037	2037
$ 407,544	$ 379,512	$ 373,069	$ 471,363	$ 416,113	$ 512,860	$ 717,103	$ 568,842	$ 452,905

$ 27,063	$ 32,275	$ 77,572	$ 150,795	$ 63,140	$ 51,917	$ 98,517	$ 91,487	$ 124,169	
$ 407,544	$ 379,512	$ 373,069	$ 471,363	$ 416,113	$ 512,860	$ 717,103	$ 568,842	$ 452,905	

2037-04	2037-05	2037-06	2037-07	2037-08	2037-09	2037-10	2037-11	2037-12
25,052	26,319	38,462	53,308	45,821	41,619	29,835	29,780	50,997
9,250	7,104	5,578	1,534	2,218	3,029	7,271	5,302	2,190
33,929	34,934	47,051	60,289	52,466	50,524	39,842	38,553	61,841
5,914	5,059	3,363	678	1,058	1,945	4,138	2,926	972
3,336	2,044	2,215	856	1,160	1,084	3,133	2,376	1,218
8,877	8,615	8,589	6,980	6,644	8,905	10,007	8,773	10,843
2037	2037	2037	2037	2037	2037	2037	2037	2037
$ 420,146	$ 421,872	$ 417,261	$ 427,809	$ 370,119	$ 418,059	$ 472,667	$ 412,690	$ 520,535

$	141,385	$	86,643	$	93,884	$	36,274	$	49,168	$	45,959	$	132,800	$	100,706	$	51,634
$	420,146	$	421,872	$	417,261	$	427,809	$	370,119	$	418,059	$	472,667	$	412,690	$	520,535

Light Load

2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07
8,729	8,874	7,647	3,693	13,770	9,663	25,530
16,832	13,656	11,831	16,351	3,724	6,185	1,954
15,331	15,079	14,301	8,501	23,929	16,894	33,799
8,992	7,793	6,291	8,336	1,074	2,216	1,016
7,840	5,863	5,540	8,015	2,650	3,969	938
6,602	6,205	6,655	4,809	10,160	7,232	8,268
2018	2018	2018	2018	2018	2018	2018
$ 176,393	$ 151,205	$ 131,898	$ 90,023	$ 150,565	$ 111,872	$ 141,555

$	178,546	$	133,537	$	-	$	-	$	-	$	-	$	-
$	176,393	$	151,205	$	131,898	$	90,023	$	150,565	$	111,872	$	141,555

2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03	2019-04
20,674	10,291	5,975	11,537	24,299	9,192	9,630	8,876	3,708
2,186	7,227	7,828	6,109	2,594	17,467	14,286	13,296	17,385
28,862	18,180	13,952	21,003	36,429	15,642	15,703	15,931	8,218
1,121	2,921	2,600	2,533	925	9,298	8,349	7,620	9,650
1,065	4,306	5,228	3,576	1,669	8,169	5,936	5,677	7,735
8,188	7,889	7,977	9,467	12,129	6,451	6,073	7,055	4,510
2018	2018	2018	2018	2018	2019	2019	2019	2019
$ 137,315	$ 116,514	$ 130,580	$ 163,017	$ 217,963	$ 188,305	$ 161,670	$ 152,683	$ 92,189

$	-	$	-	$	-	$	-	$	-	$	231,576	$	143,994	$	-	$	-			
$	137,315	$	116,514	$	130,580	$	163,017	$	217,963	$	188,305	$	161,670	$	152,683	$	92,189			

2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01
10,725	13,236	25,105	23,086	11,756	17,856	13,236	24,048	9,048
6,196	5,026	2,052	2,501	8,478	1,530	6,628	3,012	17,234
19,895	22,094	33,128	31,523	19,251	29,550	23,088	35,360	15,337
2,639	1,999	1,135	1,306	4,218	144	3,038	1,089	8,919
3,557	3,028	917	1,195	4,260	1,387	3,589	1,923	8,315
9,170	8,858	8,023	8,436	7,495	11,694	9,852	11,312	6,289
2019	2019	2019	2019	2019	2019	2019	2019	2020
$ 148,299	$ 149,539	$ 149,964	$ 154,401	$ 120,837	$ 208,999	$ 185,238	$ 221,967	$ 199,813

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2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10
10,354	8,112	3,580	10,144	9,339	22,944	22,715	9,266	7,073
15,252	14,328	19,158	9,682	6,896	2,407	2,870	8,816	10,020
16,250	14,207	7,854	18,842	16,292	30,402	31,356	16,024	14,929
8,752	8,334	11,219	4,567	3,026	1,337	1,448	4,260	4,206
6,500	5,994	7,939	5,114	3,870	1,070	1,422	4,556	5,814
5,896	6,094	4,274	8,698	6,953	7,458	8,641	6,758	7,856
2020	2020	2020	2020	2020	2020	2020	2020	2020
$ 170,837	$ 143,536	$ 95,074	$ 153,031	$ 127,752	$ 151,636	$ 172,149	$ 118,484	$ 152,739

$ 159,408	$ 130,699	$ 173,105	$ -	$ -	$ -	$ -	$ -	$ -				
$ 170,837	$ 143,536	$ 95,074	$ 153,031	$ 127,752	$ 151,636	$ 172,149	$ 118,484	$ 152,739				

2020-11	2020-12	2021-01	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07
12,526	21,163	10,736	10,000	8,641	4,217	17,950	10,103	26,799
7,449	3,631	18,042	14,170	13,491	18,109	5,014	6,541	2,074
21,935	31,581	17,563	15,628	14,790	8,921	28,966	17,352	34,690
3,438	1,325	9,088	7,910	7,975	10,751	2,194	2,985	1,129
4,011	2,306	8,954	6,260	5,517	7,358	2,820	3,557	944
9,408	10,419	6,827	5,628	6,149	4,704	11,016	7,250	7,891
2020	2020	2021	2021	2021	2021	2021	2021	2021
$ 192,429	$ 222,475	$ 227,609	$ 171,090	$ 151,950	$ 109,793	$ 203,369	$ 139,709	$ 168,394

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2021-08	2021-09	2021-10	2021-11	2021-12	2022-01	2022-02	2022-03	2022-04
24,333	10,238	8,269	13,318	22,185	11,219	10,400	9,015	4,718
2,594	9,234	10,468	6,576	3,351	15,701	13,087	12,408	17,968
32,659	17,297	16,978	22,566	32,125	18,221	16,197	15,287	9,919
1,339	4,907	4,977	2,998	1,137	7,627	7,008	7,151	10,409
1,255	4,328	5,491	3,578	2,214	8,074	6,079	5,258	7,559
8,325	7,058	8,709	9,248	9,940	7,002	5,797	6,273	5,201
2021	2021	2021	2021	2021	2022	2022	2022	2022
$ 174,004	$ 129,882	$ 177,671	$ 198,462	$ 222,658	$ 241,726	$ 182,457	$ 160,484	$ 125,685

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2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023-01
17,196	15,929	30,553	23,728	11,441	15,147	14,524	24,892	10,542
2,232	3,345	1,864	2,296	8,563	4,848	6,159	2,927	14,602
28,804	24,805	39,306	31,790	18,768	26,566	23,958	35,630	16,992
465	1,277	918	1,146	4,439	1,877	2,778	884	6,622
1,767	2,068	946	1,150	4,124	2,972	3,381	2,043	7,980
11,608	8,876	8,753	8,062	7,328	11,420	9,434	10,738	6,450
2022	2022	2022	2022	2022	2022	2022	2022	2023
$ 221,885	$ 177,118	$ 193,311	$ 174,413	$ 139,555	$ 241,120	$ 209,574	$ 248,964	$ 236,315

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	254,050
$	221,885	$	177,118	$	193,311	$	174,413	$	139,555	$	241,120	$	209,574	$	248,964	$	236,315				

2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10
10,611	9,210	5,141	11,105	11,613	31,616	24,372	15,855	21,201
12,733	12,578	19,814	8,196	5,872	1,978	2,436	6,164	1,198
16,370	15,403	10,491	19,663	19,244	40,348	32,367	24,522	33,835
6,463	7,205	11,810	3,930	2,683	1,012	1,197	3,037	40
6,270	5,373	8,003	4,266	3,189	966	1,239	3,127	1,158
5,759	6,194	5,349	8,558	7,632	8,732	7,995	8,666	12,634
2023	2023	2023	2023	2023	2023	2023	2023	2023
$ 192,405	$ 168,142	$ 137,140	$ 173,445	$ 161,540	$ 204,647	$ 183,545	$ 175,033	$ 283,097

$ 199,610	$ 132,940	$ 198,034	$ -	$ -	$ -	$ -	$ -	$ -			
$ 192,405	$ 168,142	$ 137,140	$ 173,445	$ 161,540	$ 204,647	$ 183,545	$ 175,033	$ 283,097			

2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07
17,169	27,916	11,716	12,035	10,956	5,020	12,036	13,920	29,903
5,248	2,918	14,115	12,002	12,851	17,826	7,706	6,328	1,713
27,316	39,568	18,428	17,948	17,852	10,148	20,746	22,438	37,996
2,383	735	6,389	6,099	7,095	10,671	3,703	2,887	849
2,864	2,183	7,726	5,903	5,756	7,155	4,002	3,441	864
10,147	11,652	6,712	5,913	6,896	5,128	8,710	8,517	8,093
2023	2023	2024	2024	2024	2024	2024	2024	2024
$ 239,134	$ 286,725	$ 257,079	$ 206,512	$ 195,721	$ 137,401	$ 184,508	$ 188,432	$ 198,219

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2024-08	2024-09	2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04
26,754	13,054	8,617	15,989	27,698	13,163	13,255	11,598	10,193
2,251	7,639	9,889	6,589	2,815	12,559	11,600	12,918	9,607
35,075	21,191	16,773	25,839	38,797	20,216	19,272	18,495	17,871
1,053	3,893	5,000	2,968	693	5,369	5,709	7,167	5,016
1,198	3,745	4,888	3,620	2,123	7,190	5,891	5,750	4,591
8,320	8,137	8,156	9,850	11,099	7,053	6,018	6,897	7,678
2024	2024	2024	2024	2024	2025	2025	2025	2025
$ 199,628	$ 171,794	$ 190,958	$ 242,746	$ 285,502	$ 283,074	$ 220,206	$ 205,060	$ 215,544

$	-	$	-	$	-	$	-	$	53,498	$	240,309	$	196,897	$	147,991	$	118,172			
$	199,628	$	171,794	$	190,958	$	242,746	$	285,502	$	283,074	$	220,206	$	205,060	$	215,544			

2025-05	2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026-01
16,662	17,642	30,979	29,532	13,121	9,089	17,949	26,410	12,648
4,630	3,520	1,451	2,180	7,737	10,548	6,349	2,862	12,691
27,259	26,774	39,152	38,360	20,740	17,211	28,395	36,993	20,101
1,901	1,404	671	963	3,998	5,486	2,620	667	4,903
2,729	2,115	780	1,217	3,738	5,061	3,729	2,195	7,788
10,596	9,132	8,173	8,828	7,619	8,122	10,447	10,583	7,454
2025	2025	2025	2025	2025	2025	2025	2025	2026
$ 235,173	$ 211,612	$ 209,748	$ 221,888	$ 168,478	$ 199,267	$ 269,670	$ 285,136	$ 304,833

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2026-02	2026-03	2026-04	2026-05	2026-06	2026-07	2026-08	2026-09	2026-10
11,966	11,806	5,934	15,701	14,348	30,403	31,049	13,887	16,740
10,726	11,045	16,319	7,033	4,717	1,444	1,912	7,877	5,508
18,160	18,838	11,457	25,863	22,526	38,224	39,986	21,657	27,482
4,868	5,938	9,651	3,300	2,041	655	797	4,197	2,544
5,858	5,107	6,668	3,733	2,677	788	1,115	3,680	2,964
6,193	7,032	5,522	10,162	8,178	7,821	8,936	7,771	10,742
2026	2026	2026	2026	2026	2026	2026	2026	2026
$ 230,935	$ 213,047	$ 157,972	$ 229,830	$ 193,144	$ 204,498	$ 228,831	$ 175,130	$ 268,512

$ 199,613	$ 134,005	$ 174,944	$ -	$ -	$ -	$ -	$ -	$ -			
$ 230,935	$ 213,047	$ 157,972	$ 229,830	$ 193,144	$ 204,498	$ 228,831	$ 175,130	$ 268,512			

2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06	2027-07
18,115	28,193	15,606	14,103	11,824	6,713	19,761	17,740	34,653
6,040	2,775	10,759	9,834	10,205	15,231	3,007	2,710	1,045
27,971	38,784	24,457	20,826	18,705	12,656	31,418	26,770	43,073
2,531	596	3,818	4,356	5,307	8,934	822	954	469
3,509	2,178	6,940	5,478	4,898	6,298	2,184	1,757	576
9,856	10,591	8,851	6,723	6,880	5,943	11,657	9,030	8,420
2026	2026	2027	2027	2027	2027	2027	2027	2027
$ 259,176	$ 290,796	$ 362,013	$ 250,706	$ 208,480	$ 170,048	$ 263,694	$ 213,292	$ 220,192

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2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04
31,560	15,114	13,055	18,994	29,438	15,830	15,845	13,615	8,861
1,562	6,028	8,402	4,947	2,050	9,875	9,030	8,830	15,093
40,351	23,518	22,925	28,813	40,027	24,487	22,644	20,874	15,809
628	2,962	4,044	1,947	424	3,416	3,996	4,474	8,748
934	3,066	4,359	3,000	1,627	6,459	5,034	4,355	6,346
8,791	8,404	9,870	9,819	10,590	8,657	6,799	7,258	6,948
2027	2027	2027	2027	2027	2028	2028	2028	2028
$ 225,146	$ 189,429	$ 246,760	$ 258,336	$ 290,803	$ 357,768	$ 256,170	$ 222,242	$ 200,854

$	-	$	-	$	-	$	-	$	43,565	$	228,673	$	178,246	$	118,652	$	172,873			
$	225,146	$	189,429	$	246,760	$	258,336	$	290,803	$	357,768	$	256,170	$	222,242	$	200,854			

2028-05	2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01
19,564	19,873	40,883	31,954	20,628	27,501	23,780	36,533	15,049
3,063	2,820	771	1,214	5,013	612	3,371	1,476	8,785
30,453	29,023	49,914	40,412	29,938	40,502	34,390	49,027	23,484
1,113	1,189	334	464	2,465	23	1,221	196	2,686
1,950	1,631	437	751	2,548	589	2,149	1,279	6,098
10,889	9,150	9,031	8,458	9,310	13,001	10,610	12,494	8,436
2028	2028	2028	2028	2028	2028	2028	2028	2029
$ 248,805	$ 218,293	$ 238,591	$ 218,880	$ 212,073	$ 328,387	$ 282,001	$ 346,570	$ 352,428

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	34,850	$	220,604			
$	248,805	$	218,293	$	238,591	$	218,880	$	212,073	$	328,387	$	282,001	$	346,570	$	352,428			

2029-02	2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09	2029-10
15,619	15,452	9,041	24,900	18,782	41,137	34,015	19,657	13,506
7,891	8,374	13,599	2,111	3,664	735	1,082	5,107	6,995
22,798	23,320	16,023	36,485	28,080	50,000	42,743	29,402	22,850
3,055	4,148	7,833	808	1,610	317	430	2,523	3,388
4,836	4,225	5,765	1,303	2,054	419	652	2,584	3,607
7,179	7,868	6,982	11,585	9,297	8,863	8,729	9,745	9,345
2029	2029	2029	2029	2029	2029	2029	2029	2029
$ 273,427	$ 243,514	$ 203,994	$ 267,595	$ 224,243	$ 236,723	$ 228,328	$ 224,330	$ 238,562

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2029-11	2029-12	2030-01	2030-02	2030-03	2030-04	2030-05	2030-06	2030-07
21,804	39,570	17,222	17,648	17,407	9,386	18,069	21,751	41,258
3,972	1,216	7,871	7,154	7,623	12,959	4,147	3,001	617
32,091	52,409	26,413	25,266	25,986	16,290	28,539	31,763	49,894
1,436	118	2,416	2,793	3,499	7,478	1,848	1,246	256
2,537	1,098	5,455	4,361	4,124	5,481	2,299	1,754	362
10,288	12,839	9,191	7,618	8,579	6,904	10,470	10,011	8,636
2029	2029	2030	2030	2030	2030	2030	2030	2030
$ 276,423	$ 360,127	$ 390,430	$ 295,054	$ 269,980	$ 205,100	$ 245,938	$ 245,571	$ 234,561

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2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02	2031-03	2031-04
37,600	20,076	14,421	23,963	38,029	18,242	18,198	18,060	16,038
852	4,469	6,916	3,984	1,332	6,891	6,618	7,458	6,351
46,702	29,618	23,836	34,689	50,114	27,867	25,999	26,497	25,252
348	2,209	3,338	1,342	134	1,880	2,468	3,242	3,204
504	2,260	3,578	2,643	1,198	5,011	4,150	4,215	3,147
9,102	9,542	9,414	10,727	12,085	9,625	7,800	8,437	9,214
2030	2030	2030	2030	2030	2031	2031	2031	2031
$ 242,114	$ 223,379	$ 244,383	$ 293,044	$ 344,668	$ 419,464	$ 309,900	$ 272,330	$ 280,818

$ -	$ -	$ -	$ -	$ 33,972	$ 188,471	$ 156,074	$ 122,058	$ 91,117		
$ 242,114	$ 223,379	$ 244,383	$ 293,044	$ 344,668	$ 419,464	$ 309,900	$ 272,330	$ 280,818		

2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01
19,729	21,717	41,456	40,753	19,243	15,305	27,171	37,806	19,296
4,314	2,897	614	774	5,190	6,123	3,599	1,121	6,504
30,636	31,307	50,164	50,219	28,141	25,212	38,662	49,518	29,591
1,896	1,206	269	266	2,687	2,850	1,154	114	1,602
2,418	1,692	345	508	2,503	3,273	2,445	1,006	4,902
10,908	9,590	8,707	9,465	8,898	9,907	11,490	11,712	10,296
2031	2031	2031	2031	2031	2031	2031	2031	2032
$ 262,751	$ 241,179	$ 242,489	$ 258,200	$ 213,629	$ 263,808	$ 321,944	$ 342,566	$ 468,738

$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	29,132	$	187,767	
$	262,751	$	241,179	$	242,489	$	258,200	$	213,629	$	263,808	$	321,944	$	342,566	$	468,738			

2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10
20,019	16,335	9,950	21,793	21,037	42,475	38,723	23,634	33,885
6,551	7,536	12,160	3,992	2,722	549	977	3,601	366
28,274	23,721	16,832	33,330	30,178	51,013	47,771	33,044	47,942
2,383	3,403	6,789	1,585	1,122	207	361	1,799	5
4,168	4,134	5,371	2,407	1,600	341	616	1,802	361
8,255	7,386	6,882	11,538	9,141	8,538	9,048	9,410	14,057
2032	2032	2032	2032	2032	2032	2032	2032	2032
$ 342,653	$ 249,044	$ 219,099	$ 290,272	$ 240,211	$ 248,436	$ 257,864	$ 235,982	$ 391,045

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2032-11	2032-12	2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07
27,343	35,814	21,773	20,232	17,435	11,458	22,513	21,567	49,336
2,728	1,146	6,110	5,790	6,587	12,334	3,389	2,825	529
38,206	47,048	32,396	28,471	25,230	18,945	33,711	30,823	58,724
780	116	1,667	2,030	2,779	7,039	1,276	1,245	211
1,948	1,030	4,443	3,760	3,808	5,295	2,114	1,580	317
10,863	11,234	10,623	8,239	7,794	7,487	11,198	9,256	9,388
2032	2032	2033	2033	2033	2033	2033	2033	2033
$ 317,929	$ 343,302	$ 498,952	$ 352,795	$ 271,156	$ 245,945	$ 290,694	$ 250,924	$ 281,818

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2033-08	2033-09	2033-10	2033-11	2033-12	2034-01	2034-02	2034-03	2034-04
38,002	21,383	17,956	25,292	38,412	20,819	20,541	18,347	20,488
1,051	4,333	7,344	3,607	1,126	5,061	5,228	6,745	6,283
46,692	30,582	28,287	35,520	50,246	31,217	29,036	25,952	30,765
380	2,216	3,378	1,024	80	1,030	1,735	2,838	3,201
670	2,117	3,965	2,584	1,046	4,031	3,493	3,907	3,082
8,690	9,199	10,331	10,227	11,834	10,399	8,495	7,605	10,276
2033	2033	2033	2033	2033	2034	2034	2034	2034
$ 255,480	$ 237,951	$ 296,385	$ 308,848	$ 372,993	$ 503,614	$ 375,075	$ 272,806	$ 347,963

$ -	$ -	$ -	$ 77,725	$ 31,454	$ 160,617	$ 139,186	$ 139,281	$ 94,485				
$ 255,480	$ 237,951	$ 296,385	$ 308,848	$ 372,993	$ 503,614	$ 375,075	$ 272,806	$ 347,963				

2034-05	2034-06	2034-07	2034-08	2034-09	2034-10	2034-11	2034-12	2035-01
21,957	22,272	50,943	39,292	24,486	17,584	26,246	44,874	22,546
3,911	2,804	417	794	4,888	6,952	3,407	845	4,426
32,512	31,481	60,387	47,853	34,035	27,377	36,729	57,979	33,356
1,579	1,189	155	256	2,496	3,016	927	46	849
2,331	1,615	262	538	2,391	3,936	2,480	799	3,577
10,555	9,209	9,444	8,561	9,549	9,794	10,484	13,105	10,810
2034	2034	2034	2034	2034	2034	2034	2034	2035
$ 282,448	$ 257,315	$ 292,304	$ 259,480	$ 254,687	$ 289,699	$ 326,360	$ 425,927	$ 535,110

$ -	$ -	$ 8,028	$ -	$ -	$ -	$ 76,041	$ 24,501	$ 145,533		
$ 282,448	$ 257,315	$ 292,304	$ 259,480	$ 254,687	$ 289,699	$ 326,360	$ 425,927	$ 535,110		

2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10
29,702	26,369	16,248	20,953	26,452	51,545	43,478	28,134	21,078
3,945	5,717	9,586	6,138	4,737	1,436	1,749	5,672	5,720
39,428	35,750	25,280	31,374	35,802	60,124	51,804	38,433	31,624
1,630	2,952	5,806	3,808	2,663	715	818	3,620	3,164
2,315	2,766	3,780	2,331	2,073	721	931	2,052	2,556
9,726	9,382	9,032	10,421	9,350	8,578	8,326	10,299	10,546
2035	2035	2035	2035	2035	2035	2035	2035	2035
$ 438,850	$ 343,871	$ 312,640	$ 285,047	$ 267,061	$ 271,365	$ 257,965	$ 280,682	$ 318,826

$	94,185	$	100,666	$	118,354	$	-	$	-	$	22,581	$	-	$	-	$	-			
$	438,850	$	343,871	$	312,640	$	285,047	$	267,061	$	271,365	$	257,965	$	280,682	$	318,826			

2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07
32,492	54,383	36,299	32,075	29,423	17,882	21,284	28,090	51,512
3,311	1,516	3,158	4,548	6,251	7,706	8,011	4,641	1,310
43,468	67,231	48,609	41,538	39,281	27,390	31,400	37,549	59,862
1,400	608	919	2,184	3,461	4,885	4,791	2,710	636
1,911	908	2,240	2,364	2,791	2,821	3,220	1,930	673
10,975	12,849	12,310	9,463	9,857	9,508	10,116	9,459	8,350
2035	2035	2036	2036	2036	2036	2036	2036	2036
$ 349,165	$ 426,745	$ 614,301	$ 430,467	$ 364,237	$ 331,635	$ 278,810	$ 272,246	$ 266,221

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2036-08	2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03	2037-04
51,965	24,991	23,234	41,023	54,018	38,896	34,479	28,348	17,450
1,586	5,553	5,208	2,217	1,241	3,956	4,327	6,372	8,535
61,214	34,222	34,013	53,792	65,886	51,434	44,147	37,618	26,415
825	3,482	2,916	1,035	504	1,313	2,109	3,659	5,384
762	2,071	2,292	1,182	737	2,643	2,218	2,713	3,151
9,249	9,231	10,779	12,769	11,868	12,538	9,669	9,270	8,965
2036	2036	2036	2036	2036	2037	2037	2037	2037
$ 288,768	$ 253,594	$ 328,457	$ 409,535	$ 397,370	$ 641,743	$ 451,099	$ 351,280	$ 320,830

$ -	$ -	$ -	$ 37,799	$ 23,572	$ 112,026	$ 94,007	$ 102,878	$ 102,812		
$ 288,768	$ 253,594	$ 328,457	$ 409,535	$ 397,370	$ 641,743	$ 451,099	$ 351,280	$ 320,830		

2037-05	2037-06	2037-07	2037-08	2037-09	2037-10	2037-11	2037-12	2037-01
25,057	27,192	49,854	51,439	27,060	24,954	35,282	50,036	
7,969	5,160	1,498	1,854	5,613	6,020	3,649	1,525	
36,290	36,096	57,764	60,545	36,506	36,056	46,633	61,927	
5,314	3,208	749	988	3,727	3,324	1,604	663	
2,655	1,952	749	866	1,886	2,696	2,045	862	
11,233	8,904	7,910	9,106	9,445	11,102	11,351	11,890	
2037	2037	2037	2037	2037	2037	2037	2037	
$ 317,612	$ 262,888	$ 258,717	$ 291,624	$ 266,130	$ 346,988	$ 373,404	$ 408,261	

$ -	$ -	$ 24,446	$ -	$ -	$ -	$ 66,724	$ 28,124	
$ 317,612	$ 262,888	$ 258,717	$ 291,624	$ 266,130	$ 346,988	$ 373,404	$ 408,261	

2037-02	**2037-03**	**2037-04**	**2037-05**	**2037-06**	**2037-07**	**2037-08**	**2037-09**	**2037-10**

2037-11	**2037-12**	**2038-01**	**2038-02**	**2038-03**	**2038-04**	**2038-05**	**2038-06**	**2038-07**

2038-08	**2038-09**	**2038-10**	**2038-11**	**2038-12**	**2039-01**	**2039-02**	**2039-03**	**2039-04**

2039-05	**2039-06**	**2039-07**	**2039-08**	**2039-09**	**2039-10**	**2039-11**	**2039-12**	**2040-01**

2040-02	**2040-03**	**2040-04**	**2040-05**	**2040-06**	**2040-07**	**2040-08**	**2040-09**	**2040-10**

2040-11 **2040-12**

Source: PowerSimm Inputs

Date Perio VOM*

2017	1.37
2018	1.4
2019	1.43
2020	1.46
2021	1.48
2022	1.51
2023	1.54
2024	1.58
2025	1.61
2026	1.64
2027	1.67
2028	1.71
2029	1.74
2030	1.77
2031	1.81
2032	1.85
2033	1.88
2034	1.92
2035	1.96
2036	2.00
2037	2.04
2038	2.08
2039	2.12
2040	2.16

Date Perio Fuel Delivery Cost*

2017	1.44
2018	1.43
2019	1.49
2020	1.54
2021	1.59
2022	1.64
2023	1.70
2024	1.76
2025	1.78
2026	1.80
2027	1.83
2028	1.85
2029	1.87
2030	1.88
2031	1.89
2032	1.91
2033	1.92
2034	1.94
2035	1.97
2036	2.00
2037	2.02
2038	2.03
2039	2.06
2040	2.10

	Coyote fuel d.	Coyote v.o.m.	Neal fuel d.	Neal v.o.m.
2017	$ 0.98	$ 0.89	$ 1.09	$ 0.45
2018	$ 0.83	$ 0.91	$ 1.26	$ 0.46
2019	$ 1.11	$ 0.93	$ 1.29	$ 0.47
2020	$ 0.87	$ 0.95	$ 1.39	$ 0.48
2021	$ 1.02	$ 0.97	$ 1.47	$ 0.49
2022	$ 1.04	$ 0.99	$ 1.56	$ 0.50
2023	$ 1.05	$ 1.00	$ 1.63	$ 0.51
2024	$ 1.07	$ 1.03	$ 1.71	$ 0.52
2025	$ 1.07	$ 1.05	$ 1.79	$ 0.53
2026	$ 1.09	$ 1.07	$ 1.81	$ 0.54
2027	$ 1.09	$ 1.09	$ 1.84	$ 0.55
2028	$ 1.10	$ 1.11	$ 1.86	$ 0.56
2029	$ 1.11	$ 1.13	$ 1.88	$ 0.58
2030	$ 1.10	$ 1.15	$ 1.89	$ 0.59
2031	$ 1.10	$ 1.18	$ 1.90	$ 0.60
2032	$ 1.11	$ 1.20	$ 1.93	$ 0.61
2033	$ 1.10	$ 1.23	$ 1.93	$ 0.62
2034	$ 1.10	$ 1.25	$ 1.95	$ 0.64
2035	$ 1.12	$ 1.27	$ 1.98	$ 0.65
2036	$ 1.12	$ 1.30	$ 2.01	$ 0.67
2037	$ 1.13	$ 1.32	$ 2.03	$ 0.68
2038	$ 1.13	$ 1.35	$ 2.05	$ 0.69
2039	$ 1.13	$ 1.38	$ 2.08	$ 0.71
2040	$ 1.15	$ 1.40	$ 2.11	$ 0.72

PowerSimm Projections

	Annual ATC	Annual Heavy Load	Annual Light Load	
2018	277,190	130,951	146,240	2018
2019	277,190	130,888	146,302	2019
2020	277,190	131,535	145,655	2020
2021	277,190	132,171	145,019	2021
2022	277,190	131,278	145,912	2022
2023	277,190	130,802	146,388	2023
2024	277,190	131,238	145,952	2024
2025	277,190	131,058	146,132	2025
2026	277,190	130,866	146,324	2026
2027	277,190	131,097	146,093	2027
2028	277,190	131,055	146,135	2028
2029	277,190	130,856	146,334	2029
2030	277,190	130,891	146,299	2030
2031	277,190	130,723	146,467	2031
2032	277,190	131,863	145,327	2032
2033	277,190	131,222	145,968	2033
2034	277,190	130,848	146,342	2034
2035	277,190	130,976	146,214	2035
2036	277,190	131,147	146,043	2036
2037	277,190	-	-	2037

Aurora

	Annual ATC	Annual Heavy Load	Annual Light Load	
2018	94,016	44,200	49,816	2018
2019	94,016	44,172	49,844	2019
2020	94,016	44,391	49,625	2020
2021	94,016	44,621	49,395	2021
2022	94,016	44,309	49,707	2022
2023	94,016	44,143	49,873	2023
2024	94,016	44,289	49,727	2024
2025	94,016	44,227	49,789	2025
2026	94,016	44,178	49,838	2026
2027	94,016	44,263	49,753	2027
2028	94,016	44,240	49,776	2028
2029	94,016	44,156	49,860	2029
2030	94,016	44,178	49,838	2030
2031	94,016	44,118	49,898	2031
2032	94,016	44,502	49,514	2032
2033	94,016	44,291	49,725	2033
2034	94,016	44,148	49,868	2034
2035	94,016	44,203	49,813	2035
2036	94,016	44,262	49,754	2036
2037	94,016			2037

Brule

Annual ATC	Annual Heavy Load	Annual Light Load
92,457	43,218	49,239
92,457	43,185	49,272
92,457	43,419	49,039
92,457	43,646	48,811
92,457	43,338	49,119
92,457	43,190	49,267
92,457	43,311	49,146
92,457	43,261	49,196
92,457	43,207	49,250
92,457	43,296	49,161
92,457	43,271	49,186
92,457	43,190	49,267
92,457	43,207	49,250
92,457	43,157	49,300
92,457	43,546	48,911
92,457	43,325	49,132
92,457	43,183	49,274
92,457	43,237	49,220
92,457	43,300	49,157
92,457		

Davison

	Annual ATC	Annual Heavy Load	Annual Light Load
2018	90,717	43,533	47,185
2019	90,717	43,531	47,186
2020	90,717	43,725	46,992
2021	90,717	43,905	46,812
2022	90,717	43,632	47,086
2023	90,717	43,470	47,247
2024	90,717	43,639	47,078
2025	90,717	43,570	47,147
2026	90,717	43,480	47,237
2027	90,717	43,538	47,179
2028	90,717	43,544	47,173
2029	90,717	43,510	47,207
2030	90,717	43,506	47,211
2031	90,717	43,449	47,268
2032	90,717	43,814	46,903
2033	90,717	43,606	47,111
2034	90,717	43,518	47,199
2035	90,717	43,535	47,182
2036	90,717	43,584	47,133
2037	90,717		

Base Case

		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
FIXEDCOST $M	**MEAN**	68.8	70.1	71.5	73.0	74.4	75.9	77.4	79.0	80.6	82.2
GENERATIONCOSTS $M	**MEAN**	29.2	28.3	29.1	32.8	33.3	33.5	34.9	38.5	38.2	40.1
	P5	24.2	21.3	19.6	22.1	22.3	23.2	22.0	25.1	23.2	24.0
	P95	35.4	35.7	39.3	44.5	50.9	47.2	51.3	56.0	56.9	57.7
MARKETPURCHASES $M	**MEAN**	6.1	7.3	8.6	8.0	9.3	10.9	11.9	11.7	13.5	14.2
	P5	4.7	5.4	6.1	5.6	6.2	7.8	9.3	8.2	10.2	10.5
	P95	7.6	9.3	11.2	10.6	12.0	13.7	14.8	14.3	16.5	17.2
MARKETSALES $M	**MEAN**	7.2	6.6	7.6	9.2	9.6	7.8	8.3	9.5	8.9	8.3
	P5	2.9	1.1	1.0	0.9	1.5	1.0	0.9	1.2	0.6	0.6
	P95	14.2	14.6	20.5	26.9	32.0	28.9	23.9	29.1	33.8	24.5
TOTALCOSTS $M	**MEAN**	115.0	117.9	120.8	124.4	127.9	133.6	137.6	141.9	146.2	151.6
	P5	111.6	114.4	114.1	115.6	116.0	122.8	130.0	128.2	134.7	141.1
	P95	117.2	121.5	126.6	129.7	134.0	140.2	143.3	149.6	154.5	159.2

Juhl Portfolio

		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
FIXEDCOST $M	**MEAN**	68.8	70.1	71.5	73.0	74.4	75.9	77.4	79.0	80.6	82.2
GENERATIONCOSTS $M	**MEAN**	29.2	28.3	29.1	32.8	33.3	33.5	34.9	38.5	38.2	40.1
	P5	24.2	21.3	19.6	22.1	22.3	23.2	22.0	25.1	23.2	24.0
	P95	35.4	35.7	39.3	44.5	50.9	47.2	51.3	56.0	56.9	57.7
MARKETPURCHASES $M	**MEAN**	3.7	4.6	5.5	5.1	6.1	7.2	8.0	7.9	9.2	9.6
	P5	2.6	3.2	3.6	3.2	3.8	4.9	5.6	5.1	6.5	6.6
	P95	4.9	6.2	7.8	7.4	8.2	9.3	10.4	10.0	12.0	12.3
MARKETSALES $M	**MEAN**	11.0	10.1	11.4	13.7	14.2	12.1	12.8	14.6	13.8	13.3
	P5	5.4	2.4	2.0	2.0	2.8	2.4	1.8	2.3	1.3	1.4
	P95	20.0	20.4	28.1	35.3	43.7	39.0	32.8	39.7	44.7	38.0
TOTALCOSTS $M	**MEAN**	108.7	111.7	114.0	117.0	120.1	125.5	129.2	133.0	136.9	142.1
	P5	104.5	106.7	105.0	104.0	103.6	112.9	119.5	116.7	120.6	134.4

	P95	111.0	115.3	118.7	121.8	126.3	131.5	134.3	139.4	142.9	148.1

1,000,000

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
83.8	85.5	87.2	88.9	90.7	92.5	94.4	96.0	97.9	99.9	101.9
40.1	38.8	41.2	42.7	42.6	42.5	46.0	45.4	48.5	49.1	50.3
26.0	24.7	28.1	29.4	29.4	27.9	29.6	28.2	27.9	29.5	28.0
59.2	57.0	58.9	63.0	64.0	59.4	72.2	68.2	75.7	92.6	94.5
15.4	17.7	18.0	18.5	20.1	22.7	21.7	24.0	22.1	23.4	23.7
11.3	13.5	14.4	14.5	16.8	18.2	15.9	17.8	12.3	12.5	13.5
18.7	21.0	21.6	22.1	23.9	27.1	25.8	28.1	30.1	35.0	33.0
7.7	6.7	7.0	7.2	7.0	6.5	7.7	7.4	10.2	9.7	11.2
0.8	0.4	0.6	1.1	0.6	0.4	0.5	0.4	0.3	0.4	0.1
26.9	22.1	21.6	20.5	29.5	23.7	33.7	24.3	44.9	40.2	52.2
155.8	160.1	164.9	169.2	173.5	179.0	183.0	187.2	60.8	63.0	62.9
145.8	149.7	155.8	158.7	163.0	161.3	167.3	168.0	39.5	40.9	42.5
163.7	169.0	172.7	179.1	186.0	188.1	196.8	203.0	81.2	96.6	90.8

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
83.8	85.5	87.2	88.9	90.7	92.5	94.4	96.0	97.9	99.9	101.9
40.1	38.8	41.2	42.7	42.6	42.5	46.0	45.4	48.5	49.1	50.3
26.0	24.7	28.1	29.4	29.4	27.9	29.6	28.2	27.9	29.5	28.0
59.2	57.0	58.9	63.0	64.0	59.4	72.2	68.2	75.7	92.6	94.5
10.7	12.4	12.8	13.2	14.5	16.4	15.8	17.5	16.4	17.5	17.8
7.1	8.7	9.5	9.7	11.5	12.5	10.8	13.0	9.7	9.9	10.8
13.6	15.5	15.6	16.3	17.6	20.0	19.5	20.8	22.0	25.4	24.0
12.4	11.1	11.5	11.7	11.4	10.9	12.7	12.4	15.9	15.4	17.2
2.0	0.9	1.7	2.4	1.5	1.3	1.4	1.0	0.8	0.9	0.2
37.7	32.8	33.2	31.2	43.7	35.5	48.3	37.7	64.7	62.9	79.5
146.3	150.4	155.2	159.3	163.3	168.4	172.0	175.7	49.3	51.4	51.0
134.0	143.3	144.6	144.1	151.0	151.8	154.8	155.8	32.9	34.1	29.8

153.7	157.3	162.1	166.6	172.2	176.3	181.8	189.6	65.2	71.0	72.1

WACC **7.24%** nominal, annual

NPV and Annualized Energy Costs $/MWh

NPV Of Energy Costs	$ 82,130,168
Levelized Payment	$ 28.49

Summary Table: Annual Wind QF Generation and Avoided Costs

Year	Generation (MWh)	Generation offsetting internal production (MWh)	Offset Purchases (MWh)	Average Offsetting Generation Avoided Cost ($/MWh)	Average Offset Purchase Price ($/MWh)	Total Offsetting Generation Avoided Cost ($)	Total Avoided Cost of Purchases ($)
2017	277,156	125,955	151,201	$ 16.83	$ 22.45	$ 2,120,144	$ 3,394,856
2018	277,190	106,838	170,352	$ 15.68	$ 22.12	$ 1,675,452	$ 3,768,301
2019	277,190	94,385	182,805	$ 16.97	$ 24.27	$ 1,601,882	$ 4,437,440
2020	277,190	110,031	167,159	$ 20.48	$ 26.69	$ 2,253,903	$ 4,461,455
2021	277,190	99,391	177,799	$ 20.10	$ 28.09	$ 1,997,478	$ 4,993,631
2022	277,190	91,466	185,724	$ 21.74	$ 28.72	$ 1,988,765	$ 5,333,590
2023	277,190	89,955	187,235	$ 24.06	$ 30.52	$ 2,164,300	$ 5,713,630
2024	277,190	97,672	179,518	$ 24.29	$ 32.23	$ 2,372,236	$ 5,785,211
2025	277,190	84,714	192,476	$ 25.78	$ 33.77	$ 2,183,658	$ 6,500,488
2026	277,190	88,479	188,712	$ 26.77	$ 34.27	$ 2,368,457	$ 6,467,748
2027	277,190	79,027	198,164	$ 26.49	$ 34.35	$ 2,093,657	$ 6,807,303
2028	277,190	67,248	209,943	$ 28.66	$ 34.52	$ 1,927,174	$ 7,247,965
2029	277,190	70,534	206,656	$ 28.12	$ 35.10	$ 1,983,363	$ 7,253,591
2030	277,190	68,590	208,600	$ 28.32	$ 35.76	$ 1,942,291	$ 7,459,284
2031	277,190	60,583	216,607	$ 28.23	$ 36.72	$ 1,710,301	$ 7,954,864
2032	277,190	55,351	221,840	$ 30.34	$ 38.43	$ 1,679,440	$ 8,524,610
2033	277,190	60,299	216,891	$ 30.20	$ 39.79	$ 1,821,276	$ 8,631,037
2034	277,190	53,248	223,942	$ 30.31	$ 41.14	$ 1,613,732	$ 9,214,079
2035	277,190	55,170	222,020	$ 31.89	$ 41.89	$ 1,759,455	$ 9,301,412
2036	277,190	49,697	227,494	$ 30.93	$ 42.32	$ 1,537,351	$ 9,626,734



Information Only
Total Avoided Cost
Levelized Payment
$25.72

					Total Avoided Cost Offer Price
Total Avoided Cost ($)	**Average Avoided Cost ($/MWh)**	**REC Value**	**Regulation**	**Interconnection Upgrade Costs**	**Average Avoided Cost ($/MWh) With RECs**
$ 5,515,000	$ 19.90	$ 0.37	$ (0.32)	$ (2.84)	**$ 17.11**
$ 5,443,753	$ 19.64	$ 0.40	$ (0.35)	$ (2.84)	**$ 16.85**
$ 6,039,323	$ 21.79	$ 0.44	$ (0.38)	$ (2.84)	**$ 19.00**
$ 6,715,358	$ 24.23	$ 0.48	$ (0.42)	$ (2.84)	**$ 21.45**
$ 6,991,109	$ 25.22	$ 0.51	$ (0.44)	$ (2.84)	**$ 22.45**
$ 7,322,356	$ 26.42	$ 0.52	$ (0.46)	$ (2.84)	**$ 23.64**
$ 7,877,930	$ 28.42	$ 0.56	$ (0.48)	$ (2.84)	**$ 25.65**
$ 8,157,447	$ 29.43	$ 0.58	$ (0.51)	$ (2.84)	**$ 26.66**
$ 8,684,146	$ 31.33	$ 0.61	$ (0.53)	$ (2.84)	**$ 28.57**
$ 8,836,205	$ 31.88	$ 0.62	$ (0.54)	$ (2.84)	**$ 29.12**
$ 8,900,960	$ 32.11	$ 0.62	$ (0.54)	$ (2.84)	**$ 29.35**
$ 9,175,139	$ 33.10	$ 0.63	$ (0.55)	$ (2.84)	**$ 30.34**
$ 9,236,954	$ 33.32	$ 0.63	$ (0.55)	$ (2.84)	**$ 30.57**
$ 9,401,575	$ 33.92	$ 0.65	$ (0.56)	$ (2.84)	**$ 31.16**
$ 9,665,165	$ 34.87	$ 0.66	$ (0.58)	$ (2.84)	**$ 32.11**
$ 10,204,050	$ 36.81	$ 0.69	$ (0.60)	$ (2.84)	**$ 34.06**
$ 10,452,313	$ 37.71	$ 0.71	$ (0.62)	$ (2.84)	**$ 34.96**
$ 10,827,812	$ 39.06	$ 0.74	$ (0.64)	$ (2.84)	**$ 36.32**
$ 11,060,868	$ 39.90	$ 0.75	$ (0.65)	$ (2.84)	**$ 37.16**
$ 11,164,085	$ 40.28	$ 0.76	$ (0.66)	$ (2.84)	**$ 37.53**



Discount Rate	7.24%
Escalation Rate	2.00%

Nameplate Capacity 60

		Yearly Price/MW	Creditted Capacity Per Project	Avoided Cost Each Project Per year	3 Projects
Capacity Value	2017	$ 42,000	0.60	NA	NA
	2018	$ 42,000	0.60	NA	NA
	2019	$ 42,840	0.60	$ 25,704	$ 77,112
	2020	$ 43,697	TBD	TBD	TBD
	2021	$ 44,571	TBD	TBD	TBD
	2022	$ 45,462	TBD	TBD	TBD
	2023	$ 46,371	TBD	TBD	TBD
	2024	$ 47,299	TBD	TBD	TBD
	2025	$ 48,245	TBD	TBD	TBD
	2026	$ 49,210	TBD	TBD	TBD
	2027	$ 50,194	TBD	TBD	TBD
	2028	$ 51,198	TBD	TBD	TBD
	2029	$ 52,222	TBD	TBD	TBD
	2030	$ 53,266	TBD	TBD	TBD
	2031	$ 54,331	TBD	TBD	TBD
	2032	$ 55,418	TBD	TBD	TBD
	2033	$ 56,526	TBD	TBD	TBD
	2034	$ 57,657	TBD	TBD	TBD
	2035	$ 58,810	TBD	TBD	TBD
	2036	$ 59,986	TBD	TBD	TBD

NorthWestern will include the protocal for each year in order to calcualte accredited capac

Market Protocols for SPP Integrated Marketplace

4.1.2.2 Wind-Powered Generation Resource Output Forecasts

4.1.2.3 Wind-Powered Generation Resource Data Requirements

SPP Planning Criteria Version 1, 11/20/2015, 7.1.5.3 (7)

The recommended methodology to evaluate the net planning capability established for winc

a. Assemble all available hourly net power output (MWH) data measured

b. Select the hourly net power output values occurring during the top 3% (

c. Select the hourly net power output value that can be expected from the

d. A seasonal or annual net capability may be determined by selecting the

e. Facilities in commercial operation 3 years or less:

i. The data must include the most recent 3 years.

f. Values may be calculated from wind or solar data, if measured MW valu

g. If the Load Serving Entity chooses not to perform the net capability calc

h. Facilities in commercial operation 4 years and greater:

i. The data must include all available data up to the mc

ii. Only metered hourly net power output (MWH) data

iii. After three years of commercial operations, if the L

i. The net capability calculation shall be updated at least once every three

Exhibit A: Capacity Quantity and Capacity Price by Year

	Capacity Quantity (MW)	Capacity Price ($/kW-mo.)	Annual Total ($)
2016	30	$3.50	$1,260,000
2017	30	$3.50	$1,260,000
2018	35	$3.50	$1,470,000
Transaction Total			$3,990,000

city. The curren protocal from 2016 is below:

d or solar facilities shall be determined on a monthly basis, as stated below. If a member's desire
at the system interconnection point.
of load hours for the SPP Load Serving Entity for each month of each year for the evaluation peri
e facility 60% of the time or greater. For example, for a 5 year period with the 110 hourly net po
appropriate monthly MW values corresponding to the Load Serving Entity's peak load month of

ues are not yet available. Wind data correlated with a reference tower beyond fifty miles is subje
culations as described above during the first 3 years of commercial operation, the Load Serving E

ost recent 10 years of commercial operation.
may be used.
oad Serving Entity does not perform or provide the net capability calculations to SPP as describe
years.

e to use a more restrictive methodology to evalutate the net capabitlity of wind or solar they may do so, h

iod
wer output values ranked from the highest to lowest, the capacity of the facility will be the MW value in t
f the season of interest (e.g., 22 hours for a typical 30 day month and 110 hours for a 5 year period).

ct to Generation Working Group approval. Solar data correlated with a reference measuring device beyo
ntity may submit 5% for wind facilities and 10% for solar facilities of the site facility's nameplate rating.

d above, then the net capability for the resource will be 0 MW.

however net capability determined by the alternative methodology employed cannot credit the wind or solar with

the 65th data point.

nd two hundred miles is subject to Generation Working Group approval. For calculated values, at least one year m

a capability greater than determined with the methodology stated below:

ust be based on site specific data.

		Cost per MWh	EIA escalation
2015	$	0.24	
2016	$	0.28	18%
2017	$	0.32	14%
2018	$	0.35	9%
2019	$	0.38	9%
2020	$	0.42	9%
2021	$	0.44	5%
2022	$	0.46	4%
2023	$	0.48	6%
2024	$	0.51	5%
2025	$	0.53	5%
2026	$	0.54	2%
2027	$	0.54	0%
2028	$	0.55	1%
2029	$	0.55	1%
2030	$	0.56	2%
2031	$	0.58	3%
2032	$	0.60	5%
2033	$	0.62	3%
2034	$	0.64	3%
2035	$	0.65	2%
2036	$	0.66	1%

2015 Integrated Marke

- **Average**
  - Annua
  - $7.6 n
  - **= $0.2**

etplace Review: Regulation Support for Wind Integration (Feb 2, 2016)

e cost of regulation per MWhr of wind energy:

al regulation cost for wind / Annual wind energy

nillion / 32.1 million MWhr

24/MWhr

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	**NorthWestern Energy**														
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
5			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
6	**Rate Base:**														
7															
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252
9															
10	Less:														
11	Accumulated Depreciation (Book Life)		151,611	303,222	454,834	606,445	758,056	909,667	1,061,279	1,212,890	1,364,501	1,516,112	1,667,724	1,819,335	1,970,946
12	Deferred Income Taxes		76,203	268,629	436,305	581,893	707,514	815,125	914,247	1,013,172	1,112,157	1,210,886	1,309,871	1,408,600	1,507,585
13															
14	Total Year End Rate Base		$ 7,063,438	$ 6,719,401	$ 6,400,113	$ 6,102,914	$ 5,825,682	$ 5,566,459	$ 5,315,727	$ 5,065,191	$ 4,814,594	$ 4,564,254	$ 4,313,657	$ 4,063,318	$ 3,812,721
15															
16	Average Annual Rate Base		$ 7,177,345	$ 6,891,419	$ 6,559,757	$ 6,251,514	$ 5,964,298	$ 5,696,071	$ 5,441,093	$ 5,190,459	$ 4,939,892	$ 4,689,424	$ 4,438,956	$ 4,188,487	$ 3,938,019
17															
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 519,640	$ 498,939	$ 474,926	$ 452,610	$ 431,815	$ 412,396	$ 393,935	$ 375,789	$ 357,648	$ 339,514	$ 321,380	$ 303,246	$ 285,113
19	Property Taxes	0.78%	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
20		0.00%	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Depreciation		151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611
22	Deferred Income Taxes @ 35%		76,203	192,426	167,676	145,588	125,621	107,611	99,122	98,925	98,986	98,728	98,986	98,728	98,986
23	Income Taxes		106,212	(17,278)	(958)	13,297	25,964	37,157	39,166	32,993	26,564	20,455	13,832	7,724	1,101
24															
25	**Total Revenue Requirement**		$ 910,749	$ 882,781	$ 850,340	$ 820,189	$ 792,095	$ 765,858	$ 740,917	$ 716,401	$ 691,892	$ 667,392	$ 642,893	$ 618,393	$ 593,893

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
5			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
26															
27	**Income Taxes:**														
28	Revenues		$ 910,749	$ 882,781	$ 850,340	$ 820,189	$ 792,095	$ 765,858	$ 740,917	$ 716,401	$ 691,892	$ 667,392	$ 642,893	$ 618,393	$ 593,893
29	Property Taxes		57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
30			-	-	-	-	-	-	-	-	-	-	-	-	-
31		**MACRS**													
32		**yes**													
33	Tax Depreciation	**15**	367,536	698,318	628,486	566,005	509,405	457,950	433,692	433,692	434,427	433,692	434,427	433,692	434,427
34	Tax Depreciation	**7**	1,798	3,081	2,201	1,571	1,124	1,122	1,124	561	-	-	-	-	-
35			-	-	-	-	-	-	-	-	-	-	-	-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	180,869	173,664	165,306	157,538	150,300	143,541	137,116	130,800	124,485	118,173	111,862	105,550	99,238
37	Federal Taxable Income		$ 303,463	$ (49,365)	$ (2,736)	$ 37,991	$ 74,183	$ 106,162	$ 111,902	$ 94,265	$ 75,896	$ 58,443	$ 39,520	$ 22,068	$ 3,145
38															
39	Federal Income Tax @ 35%	35.00%	$ 106,212	$ (17,278)	$ (958)	$ 13,297	$ 25,964	$ 37,157	$ 39,166	$ 32,993	$ 26,564	$ 20,455	$ 13,832	$ 7,724	$ 1,101
40															
41	Federal Taxable Income		$ 303,463	$ (49,365)	$ (2,736)	$ 37,991	$ 74,183	$ 106,162	$ 111,902	$ 94,265	$ 75,896	$ 58,443	$ 39,520	$ 22,068	$ 3,145
42															
43															
44															
45															
46															
47	**Juhl Wind Interconnection Costs (60MW)**														
48	20-year PMT of the NPV of Rev Req Cost		$787,368.38												
49	Levelized Cost per MW		$ 2.84												
50															

Brule County Facilities Study - Draft

	TPIF	NETWORK
Substation	$ 433,230	$ 1,940,946
Transmission	$ -	$ 137,877
Relaying	$ 47,451	$ 377,833
Metering	$ 14,286	$ -
Communications[1]	$ 37,817	$ 6,618
EMS	$ 994	$ 1,988
Lands & Permitting	$ -	$ 152,457
Subtotal	$ 533,778	$ 2,617,719
Distribution Subtotal	$ -	$ -
TPIF Upgrades	$ 533,778	
Network Upgrades	$ 2,617,719	
Distribution	$ -	
TOTAL	$ 3,151,497	

Davison County Facilities Study - Draft

	TPIF	NETWORK
Substation	$ 433,230	$ 1,645,711
Transmission	$ -	$ 121,526
Relaying	$ 47,451	$ 377,833
Metering	$ 40,780	$ -
Communications[1]	$ 37,817	$ -
EMS	$ 994	$ 1,988
Lands & Permitting	$ -	$ 157,683
Subtotal	$ 560,272	$ 2,304,741
Distribution Subtotal	$ 2,257	$ 10,212
TPIF Upgrades	$ 560,272	
Network Upgrades	$ 2,304,741	
Distribution	$ 12,469	
TOTAL	$ 2,877,482	

Aurora County Facilities Study - Draft

	TPIF	NETWORK
Substation	$ 433,230	$ 1,638,987
Transmission	$ -	$ 175,274
Relaying	$ 47,451	$ 377,833
Metering	$ 14,158	$ -
Communications[1]	$ 31,435	$ 18,723
EMS	$ 1,408	$ 2,751
Lands & Permitting	$ -	$ 155,224
Subtotal	$ 527,682	$ 2,368,792
Distribution Subtotal	$ -	$ -
TPIF Upgrades	$ 527,682	
Network Upgrades	$ 2,368,792	
Distribution	$ -	
TOTAL	$ 2,896,474	

	A	B	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	**NorthWestern Energy**													
2	**Revenue Requirement - Regulated**													
3	**Juhl Wind (Brule, Davison, Aurora)**													
4	**Network Upgrades**		**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
5			2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
6	**Rate Base:**													
7														
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252
9														
10	Less:													
11	Accumulated Depreciation (Book Life)		2,122,557	2,274,168	2,425,780	2,577,391	2,729,002	2,880,613	3,032,225	3,183,836	3,335,447	3,487,058	3,638,669	3,790,281
12	Deferred Income Taxes		1,606,314	1,705,299	1,728,131	1,675,067	1,622,004	1,568,940	1,515,876	1,462,812	1,409,748	1,356,684	1,303,620	1,250,556
13														
14	Total Year End Rate Base		$ 3,562,381	$ 3,311,784	$ 3,137,341	$ 3,038,794	$ 2,940,246	$ 2,841,699	$ 2,743,152	$ 2,644,604	$ 2,546,057	$ 2,447,510	$ 2,348,963	$ 2,250,415
15														
16	Average Annual Rate Base		$ 3,687,551	$ 3,437,083	$ 3,224,563	$ 3,088,067	$ 2,989,520	$ 2,890,973	$ 2,792,425	$ 2,693,878	$ 2,595,331	$ 2,496,784	$ 2,398,236	$ 2,299,689
17														
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 266,979	$ 248,845	$ 233,458	$ 223,576	$ 216,441	$ 209,306	$ 202,172	$ 195,037	$ 187,902	$ 180,767	$ 173,632	$ 166,497
19	Property Taxes	0.78%	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
20		0.00%	-	-	-	-	-	-	-	-				
21	Depreciation		151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611
22	Deferred Income Taxes @ 35%		98,728	98,986	22,832	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)
23	Income Taxes		(5,008)	(11,631)	59,121	131,548	129,044	126,539	124,035	121,530				
24														
25	**Total Revenue Requirement**		$ 569,394	$ 544,894	$ 524,106	$ 510,755	$ 501,115	$ 491,476	$ 481,837	$ 472,197	$ 343,532	$ 336,398	$ 329,263	$ 322,128

	A	B	P	Q	R	S	T	U	V	W	X	Y	Z	AA
2	**Revenue Requirement - Regulated**													
3	**Juhl Wind (Brule, Davison, Aurora)**													
4	**Network Upgrades**		**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
5			2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
26														
27	**Income Taxes:**													
28	Revenues		$ 569,394	$ 544,894	$ 524,106	$ 510,755	$ 501,115	$ 491,476	$ 481,837	$ 472,197	$ 343,532	$ 336,398	$ 329,263	$ 322,128
29	Property Taxes		57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
30			-	-	-	-	-	-	-	-				
31		**MACRS**												
32		**yes**												
33	Tax Depreciation	**15**	433,692	434,427	216,846	-	-	-	-	-	-	-	-	-
34	Tax Depreciation	**7**	-	-	-	-	-	-	-	-	-	-	-	-
35			-	-	-	-	-	-	-	-	-	-	-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	92,926	86,614	81,259	77,819	75,336	72,853	70,369	67,886	65,402	62,919	60,436	57,952
37	Federal Taxable Income		$ (14,308)	$ (33,231)	$ 168,918	$ 375,852	$ 368,696	$ 361,540	$ 354,384	$ 347,228	$ 221,047	$ 216,395	$ 211,744	$ 207,093
38														
39	Federal Income Tax @ 35%	35.00%	$ (5,008)	$ (11,631)	$ 59,121	$ 131,548	$ 129,044	$ 126,539	$ 124,035	$ 121,530	$ 77,366	$ 75,738	$ 74,110	$ 72,482
40														
41	Federal Taxable Income		$ (14,308)	$ (33,231)	$ 168,918	$ 375,852	$ 368,696	$ 361,540	$ 354,384	$ 347,228	$ 221,047	$ 216,395	$ 211,744	$ 207,093
42														
43														
44														
45														
46														
47	**Juhl Wind Interconnection Costs (60MW)**													
48	20-year PMT of the NPV of Rev Req Cost													
49	Levelized Cost per MW													
50														
51	Brule County Facilities Study - Draft													
52														

		TPIF	NETWO			
53				5225644	Sub	
54	Substation	$ 433,230	$ 1,	434677	Trans	
55	Transmission	$ -	$	1133499	Relay	
56						
57	Relaying	$ 47,451	$	25341	Comm	
58	Metering	$ 14,286	$	6727	EMS	
59	Communications[1]	$ 37,817	$	465364	Land	
60	EMS	$ 994	$	7291252		
61	Lands & Permitting	$ -	$			
62	**Subtotal**	$ 533,778	$ 2,			
63						
64	**Distribution Subtotal**	$ -	$			
65						
66	TPIF Upgrades	$ 533,778				
67	Network Upgrades	$ 2,617,719				
68	Distribution	$ -				
69	**TOTAL**	$ 3,151,497				
70						
71						
72						

	A	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	**NorthWestern Energy**														
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**
5			2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053
6	**Rate Base:**														
7															
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252
9															
10	Less:														
11	Accumulated Depreciation (Book Life)		3,941,892	4,093,503	4,245,114	4,396,726	4,548,337	4,699,948	4,851,559	5,003,171	5,154,782	5,306,393	5,458,004	5,609,615	5,761,227
12	Deferred Income Taxes		1,197,492	1,144,428	1,091,364	1,038,300	985,236	932,172	879,109	826,045	772,981	719,917	666,853	613,789	560,725
13															
14	Total Year End Rate Base		$ 2,151,868	$ 2,053,321	$ 1,954,773	$ 1,856,226	$ 1,757,679	$ 1,659,131	$ 1,560,584	$ 1,462,037	$ 1,363,490	$ 1,264,942	$ 1,166,395	$ 1,067,848	$ 969,300
15															
16	Average Annual Rate Base		$ 2,201,142	$ 2,102,594	$ 2,004,047	$ 1,905,500	$ 1,806,952	$ 1,708,405	$ 1,609,858	$ 1,511,311	$ 1,412,763	$ 1,314,216	$ 1,215,669	$ 1,117,121	$ 1,018,574
17															
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 159,363	$ 152,228	$ 145,093	$ 137,958	$ 130,823	$ 123,689	$ 116,554	$ 109,419	$ 102,284	$ 95,149	$ 88,014	$ 80,880	$ 73,745
19	Property Taxes	0.78%	-	-	-	-	-	-	-	-	-	-	-	-	-
20		0.00%													
21	Depreciation		151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611	151,611
22	Deferred Income Taxes @ 35%		(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)	(53,064)
23	Income Taxes														
24															
25	**Total Revenue Requirement**		$ 257,910	$ 250,775	$ 243,640	$ 236,505	$ 229,371	$ 222,236	$ 215,101	$ 207,966	$ 200,831	$ 193,697	$ 186,562	$ 179,427	$ 172,292

	A	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**
5			2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053
26															
27	**Income Taxes:**														
28	Revenues		$ 257,910	$ 250,775	$ 243,640	$ 236,505	$ 229,371	$ 222,236	$ 215,101	$ 207,966	$ 200,831	$ 193,697	$ 186,562	$ 179,427	$ 172,292
29	Property Taxes		-	-	-	-	-	-	-	-	-	-	-	-	-
30															
31		**MACRS**													
32		**yes**													
33	Tax Depreciation	**15**	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Tax Depreciation	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-
35			-	-	-	-	-	-	-	-	-	-	-	-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	55,469	52,985	50,502	48,019	45,535	43,052	40,568	38,085	35,602	33,118	30,635	28,151	25,668
37	Federal Taxable Income		$ 202,441	$ 197,790	$ 193,138	$ 188,487	$ 183,835	$ 179,184	$ 174,533	$ 169,881	$ 165,230	$ 160,578	$ 155,927	$ 151,275	$ 146,624
38															
39	Federal Income Tax @ 35%	35.00%	$ 70,854	$ 69,226	$ 67,598	$ 65,970	$ 64,342	$ 62,714	$ 61,086	$ 59,458	$ 57,830	$ 56,202	$ 54,574	$ 52,946	$ 51,318
40															
41	Federal Taxable Income		$ 202,441	$ 197,790	$ 193,138	$ 188,487	$ 183,835	$ 179,184	$ 174,533	$ 169,881	$ 165,230	$ 160,578	$ 155,927	$ 151,275	$ 146,624
42															
43															
44															
45															
46															
47	**Juhl Wind Interconnection Costs (60MW)**														
48	20-year PMT of the NPV of Rev Req Cost														
49	Levelized Cost per MW														
50															
51	Brule County Facilities Study - Draft														
52															

	TPIF	NETWO
Substation	$ 433,230	$ 1,
Transmission	$ -	$
Relaying	$ 47,451	$
Metering	$ 14,286	$
Communications[1]	$ 37,817	$
EMS	$ 994	$
Lands & Permitting	$ -	$
Subtotal	$ 533,778	$ 2,
Distribution Subtotal	$ -	$

TPIF Upgrades	$ 533,778
Network Upgrades	$ 2,617,719
Distribution	$ -
TOTAL	$ 3,151,497

	A	B	AO	AP
1	**NorthWestern Energy**			
2	**Revenue Requirement - Regulated**			
3	**Juhl Wind (Brule, Davison, Aurora)**			
4	**Network Upgrades**		**39**	**40**
5			2054	2055
6	**Rate Base:**			
7				
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252
9				
10	Less:			
11	Accumulated Depreciation (Book Life)		5,912,838	6,064,449
12	Deferred Income Taxes		507,661	454,597
13				
14	Total Year End Rate Base		$ 870,753	$ 772,206
15				
16	Average Annual Rate Base		$ 920,027	$ 821,479
17				
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 66,610	$ 59,475
19	Property Taxes	0.78%	-	-
20		0.00%		
21	Depreciation		151,611	151,611
22	Deferred Income Taxes @ 35%		(53,064)	(53,064)
23	Income Taxes			
24				
25	**Total Revenue Requirement**		$ 165,157	$ 158,022

	A	B	AO	AP
2	**Revenue Requirement - Regulated**			
3	**Juhl Wind (Brule, Davison, Aurora)**			
4	**Network Upgrades**		**39**	**40**
5			2054	2055
26				
27	**Income Taxes:**			
28	Revenues		$ 165,157	$ 158,022
29	Property Taxes		-	-
30				
31		**MACRS**		
32		**yes**		
33	Tax Depreciation	**15**	-	-
34	Tax Depreciation	**7**	-	-
35			-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	23,185	20,701
37	Federal Taxable Income		$ 141,973	$ 137,321
38				
39	Federal Income Tax @ 35%	35.00%	$ 49,690	$ 48,062
40				
41	Federal Taxable Income		$ 141,973	$ 137,321
42				
43				
44				
45				
46				
47	**Juhl Wind Interconnection Costs (60MW)**			
48	20-year PMT of the NPV of Rev Req Cost			
49	Levelized Cost per MW			
50				
51	Brule County Facilities Study - Draft			
52				
53		**TPIF**	**NETWO**	
54	Substation	**$ 433,230**	**$ 1,**	
55	Transmission	**$ -**	**$**	
56	Relaying	**$ 47,451**	**$**	
57	Metering	**$ 14,286**	**$**	
58	Communications[1]	**$ 37,817**	**$**	
59	EMS	**$ 994**	**$**	
60	Lands & Permitting	**$ -**	**$**	
61	**Subtotal**	**$ 533,778**	**$ 2,**	
62				
63	**Distribution Subtotal**	**$ -**	**$**	
64				
65	TPIF Upgrades	**$ 533,778**		
66	Network Upgrades	**$ 2,617,719**		
67	Distribution	**$ -**		
68	**TOTAL**	**$ 3,151,497**		
69				
70				
71				
72				

Book Depreciation

Network Plant:	Basis	tax life	Book Life	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Transmission	434,677	15	50	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694
Metering	-	15																			
Lands & Permitting	465,364	0	0																		
Substation/Relaying	6,359,143	15	45	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314
EMS & Communications	32,068	7	20	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603
	7,291,252			$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611

Tax Depreciation MACRS
Tax Depreciation - Yrs 15

Vintage Yr	Annual Expenditure	1 2017	2 2018	3 2019	4 2020	5 2021	6 2022	7 2023	8 2024	9 2025	10 2026	11 2027	12 2028	13 2029	14 2030	15 2031	16 2032	17 2033	18 2034	19 2035	20 2036	21 2037	22 2038	23 2039
2017	$ 6,793,820	$ 339,691	$ 645,413	$ 580,872	$ 523,124	$ 470,812	$ 423,255	$ 400,835	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 200,418	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2018	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2019	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021	$ -				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022	$ -					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2023	$ -						$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2024	$ -							$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2025	$ -								$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2026	$ -									$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2027	$ -										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2028	$ -											$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2029	$ -												$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2030	$ -													$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2031	$ -														$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2032	$ -															$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2033	$ -																$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2034	$ -																	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2035	$ -																		$ -	$ -	$ -	$ -	$ -	$ -	$ -
2036	$ -																			$ -	$ -	$ -	$ -	$ -	$ -
2037	$ -																				$ -	$ -	$ -	$ -	$ -
2038	$ -																					$ -	$ -	$ -	$ -
2039	$ -																						$ -	$ -	$ -
2040	$ -																								
2041	$ -																								
2042	$ -																								
2043	$ -																								
2044	$ -																								
2045	$ -																								
2046	$ -																								
Total	$ 6,793,820	$ 339,691	$ 645,413	$ 580,872	$ 523,124	$ 470,812	$ 423,255	$ 400,835	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 200,418	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Tax Depreciation MACRS
Tax Depreciation - Yrs 7

Vintage Yr	Annual Expenditure	1 2017	2 2018	3 2019	4 2020	5 2021	6 2022	7 2023	8 2024	9 2025	10 2026	11 2027	12 2028	13 2029	14 2030	15 2031	16 2032	17 2033	18 2034	19 2035	20 2036	21 2037	22 2038	23 2039
2017	$ 32,068	$ 4,583	$ 7,853	$ 5,609	$ 4,005	$ 2,864	$ 2,860	$ 2,864	$ 1,430	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2018	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2019	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021	$ -				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022	$ -					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2023	$ -						$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2024	$ -							$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2025	$ -								$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2026	$ -									$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2027	$ -										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2028	$ -											$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2029	$ -												$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2030	$ -													$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2031	$ -														$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2032	$ -															$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2033	$ -																$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2034	$ -																	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2035	$ -																		$ -	$ -	$ -	$ -	$ -	$ -	$ -
2036	$ -																			$ -	$ -	$ -	$ -	$ -	$ -
2037	$ -																				$ -	$ -	$ -	$ -	$ -
2038	$ -																					$ -	$ -	$ -	$ -
2039	$ -																						$ -	$ -	$ -
2040	$ -																								

| | | |

2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694
$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314
$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603	$ 1,603
$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611	$ 151,611

24	25	26	27	28	29	30
2040	2041	2042	2043	2044	2045	2046
$ -	$ -	$ -	$ -	$ -	$ -	$ -

| | | |

Electric Power Projections by Electricity Market Module Region
http://www.eia.gov/forecasts/aeo/data/browser/#/?id=62-AEO2016&region=3-17&cases=ref_no_cpp&s
Tue Oct 11 2016 11:20:40 GMT-0600 (Mountain Daylight Time)
Source: U.S. Energy Information Administration

Southwest Power Pool / North	full name	api key	units	2014
Net Summer Electricity Generating Capacity		62-AEO2016.2.		
(gigawatts)		62-AEO2016.3.		
Electric Power Sector		62-AEO2016.4.		
Coal	Electricity:	62-AEO201	GW	8.508699
Oil and Natural Gas Steam 3		Electricity:	62-AEO201	GW
Combined Cycle	Electricity:	62-AEO201	GW	1.3382
Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	5.3216
Nuclear Power	Electricity:	62-AEO201	GW	1.175
Pumped Storage	Electricity:	62-AEO201	GW	
Fuel Cells	Electricity:	62-AEO201	GW	
Renewable Sources	Electricity:	62-AEO201	GW	3.0025
Distributed Generation	Electricity:	62-AEO201	GW	
Total Capacity	Electricity:	62-AEO201	GW	21.1004
Cumulative Planned Additions		62-AEO2016.16.		
Coal	Electricity:	62-AEO201	GW	- -
Oil and Natural Gas Steam	Electricity:	62-AEO201	GW	- -
Combined Cycle	Electricity:	62-AEO201	GW	- -
Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	- -
Nuclear Power	Electricity:	62-AEO201	GW	- -
Pumped Storage	Electricity:	62-AEO201	GW	- -
Fuel Cells	Electricity:	62-AEO201	GW	- -
Renewable Sources	Electricity:	62-AEO201	GW	- -
Distributed Generation	Electricity:	62-AEO201	GW	- -
Total Planned Additions	Electricity:	62-AEO201	GW	- -
Cumulative Unplanned Additions		62-AEO2016.27.		
Coal	Electricity:	62-AEO201	GW	- -
Oil and Natural Gas Steam	Electricity:	62-AEO201	GW	- -
Combined Cycle	Electricity:	62-AEO201	GW	- -
Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	- -
Nuclear Power	Electricity:	62-AEO201	GW	- -
Pumped Storage	Electricity:	62-AEO201	GW	- -
Fuel Cells	Electricity:	62-AEO201	GW	- -
Renewable Sources	Electricity:	62-AEO201	GW	- -
Distributed Generation	Electricity:	62-AEO201	GW	- -
Total Unplanned Additions	Electricity:	62-AEO201	GW	- -
Cumulative Electric Power Sector Additions	Electricity:	62-AEO201	GW	- -
Cumulative Retirements		62-AEO2016.40.		
Coal	Electricity:	62-AEO201	GW	- -
Oil and Natural Gas Steam	Electricity:	62-AEO201	GW	- -
Combined Cycle	Electricity:	62-AEO201	GW	- -

Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	- -
Nuclear Power	Electricity:	62-AEO201	GW	- -
Pumped Storage	Electricity:	62-AEO201	GW	- -
Fuel Cells	Electricity:	62-AEO201	GW	- -
Renewable Sources	Electricity:	62-AEO201	GW	- -
Total	Electricity:	62-AEO201	GW	- -
End-Use Sectors		62-AEO2016.52.		
Coal	Electricity:	62-AEO201	GW	
Petroleum	Electricity:	62-AEO201	GW	
Natural Gas	Electricity:	62-AEO201	GW	0.030283
Other Gaseous Fuels	Electricity:	62-AEO201	GW	
Renewable Sources	Electricity:	62-AEO201	GW	0.004058
Other	Electricity:	62-AEO201	GW	
Total	Electricity:	62-AEO201	GW	0.034342
Electricity Sales		62-AEO2016.61.		
(billion kilowatthours)		62-AEO2016.62.		
Residential	Electricity:	62-AEO201	BkWh	22.68072
Commercial/Other	Electricity:	62-AEO201	BkWh	25.53371
Industrial	Electricity:	62-AEO201	BkWh	15.47496
Transportation	Electricity:	62-AEO201	BkWh	0.027079
Total Sales	Electricity:	62-AEO201	BkWh	63.71647
Net Energy for Load (billion kilowatthours)		62-AEO2016.69.		
Gross International Imports	Electricity:	62-AEO201	BkWh	
Gross International Exports	Electricity:	62-AEO201	BkWh	
Gross Interregional Electricity Imports	Electricity:	62-AEO201	BkWh	4.374117
Gross Interregional Electricity Exports	Electricity:	62-AEO201	BkWh	3.818949
Purchases from Combined Heat and Power	Electricity:	62-AEO201	BkWh	0.058378
Electric Power Sector Generation for Customer	Electricity:	62-AEO201	BkWh	71.18238
Total Net Energy for Load	Electricity:	62-AEO201	BkWh	71.79593
Generation by Fuel Type		62-AEO2016.78.		
(billion kilowatthours)		62-AEO2016.79.		
Electric Power Sector		62-AEO2016.80.		
Coal	Electricity:	62-AEO201	BkWh	46.96069
Petroleum	Electricity:	62-AEO201	BkWh	0.113
Natural Gas	Electricity:	62-AEO201	BkWh	4.529696
Nuclear	Electricity:	62-AEO201	BkWh	8.558
Pumped Storage/Other	Electricity:	62-AEO201	BkWh	0.0006
Renewable Sources	Electricity:	62-AEO201	BkWh	11.0204
Distributed Generation	Electricity:	62-AEO201	BkWh	
Total Generation	Electricity:	62-AEO201	BkWh	71.18238
Sales to Customers	Electricity:	62-AEO201	BkWh	71.18238
Generation for Own Use	Electricity:	62-AEO201	BkWh	
End-Use Sectors		62-AEO2016.93.		
Coal	Electricity:	62-AEO201	BkWh	
Petroleum	Electricity:	62-AEO201	BkWh	

Natural Gas	Electricity:	62-AEO201	BkWh	0.091873
Other Gaseous Fuels	Electricity:	62-AEO201	BkWh	
Renewable Sources	Electricity:	62-AEO201	BkWh	0.00559
Other	Electricity:	62-AEO201	BkWh	
Total	Electricity:	62-AEO201	BkWh	0.097463
Sales to the Grid	Electricity:	62-AEO201	BkWh	0.058378
Generation for Own Use	Electricity:	62-AEO201	BkWh	0.039086
Total Electricity Generation	Electricity:	62-AEO201	BkWh	71.27985
End-Use Prices		62-AEO2016.106.		
(2015 cents per kilowatthour)		62-AEO2016.107.		
Residential	Electricity:	62-AEO201	2015 cents	12.09173
Commercial	Electricity:	62-AEO201	2015 cents	10.03587
Industrial	Electricity:	62-AEO201	2015 cents	7.853609
Transportation	Electricity:	62-AEO201	2015 cents	11.32231
All Sectors Average	Electricity:	62-AEO201	2015 cents	10.24878
(nominal cents per kilowatthour)		62-AEO2016.113.		
Residential	Electricity:	62-AEO201	nom cents/	11.9667
Commercial	Electricity:	62-AEO201	nom cents/	9.9321
Industrial	Electricity:	62-AEO201	nom cents/	7.7724
Transportation	Electricity:	62-AEO201	nom cents/	11.20523
All Sectors Average	Electricity:	62-AEO201	nom cents/	10.1428
Prices by Service Category		62-AEO2016.120.		
(2015 cents per kilowatthour)		62-AEO2016.121.		
Generation	Electricity:	62-AEO201	2015 cents	6.814224
Transmission	Electricity:	62-AEO201	2015 cents	1.015802
Distribution	Electricity:	62-AEO201	2015 cents	2.41875
(nominal cents per kilowatthour)		62-AEO2016.125.		
Generation	Electricity:	62-AEO201	nom cents/	6.743763
Transmission	Electricity:	62-AEO201	nom cents/	1.005298
Distribution	Electricity:	62-AEO201	nom cents/	2.393739
Fuel Consumption (quadrillion Btu)		62-AEO2016.130.		
Coal	Electricity:	62-AEO201	quads	0.504826
Natural Gas	Electricity:	62-AEO201	quads	0.045575
Oil	Electricity:	62-AEO201	quads	0.001494
Total	Electricity:	62-AEO201	quads	0.551895
Fuel Prices to the Electric Power Sector		62-AEO2016.136.		
(2015 dollars per million Btu)		62-AEO2016.137.		
Coal	Electricity:	62-AEO201	2015 $/MM	1.961943
Natural Gas	Electricity:	62-AEO201	2015 $/MM	5.554363
Distillate Fuel Oil	Electricity:	62-AEO201	2015 $/MM	24.18631
Residual Fuel Oil	Electricity:	62-AEO201	2015 $/MM	11.90122
(nominal dollars per million Btu)		62-AEO2016.143.		
Coal	Electricity:	62-AEO201	nom $/MM	1.941656
Natural Gas	Electricity:	62-AEO201	nom $/MM	$ 5.50

Distillate Fuel Oil	Electricity:	62-AEO201	nom $/MM	23.93622
Residual Fuel Oil	Electricity:	62-AEO201	nom $/MM	11.77816
Emissions from the Electric Power Sector		62-AEO2016.150.		
Total Carbon (million short tons)	Electricity:	62-AEO201	MMst	15.21285
Carbon Dioxide (million short tons)	Electricity:	62-AEO201	MMst	55.78043
Sulfur Dioxide (million short tons)	Electricity:	62-AEO201	MMst	0.071216
Nitrogen Oxide (million short tons)	Electricity:	62-AEO201	MMst	0.04
Mercury (short tons)	Electricity:	62-AEO201	st	0.709685

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2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
8.4402	7.574	7.574	7.574	7.574	7.4771	7.4771	7.1371	7.5012	7.5012
1.7544	1.6694	1.7657	1.7657	1.7657	1.7657	1.736	1.3458	0.8428	0.524
1.3382	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762
5.3016	5.3292	5.3853	5.58318	5.265181	4.904281	4.904281	4.904281	4.904281	4.904281
1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175
3.9814	4.4352	4.4352	5.207316	6.304912	7.262854	7.867619	7.867619	7.867619	7.867619
21.9058	21.7553	21.8114	22.7814	23.56099	24.03144	24.246	23.403	23.4483	22.9243
- -									
- -									
- -	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
- -	0.0276	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837
- -									
- -									
- -									
- -	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538
- -									
- -	0.6194	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755
- -									
- -									
- -									
- -			0.197881	0.197881	0.197881	0.197881	0.197881	0.197881	0.197881
- -									
- -									
- -									
- -			0.772116	1.869712	2.827654	3.432418	3.432418	3.432418	3.432418
- -									
- -			0.969997	2.067593	3.025535	3.630299	3.630299	3.630299	3.630299
- -	0.6194	0.6755	1.645497	2.743093	3.701035	4.305799	4.305799	4.305799	4.305799
- -	0.4058	0.4058	0.4058	0.4058	0.5027	0.5027	0.8427	0.8427	0.8427
- -					0.0297	0.4199	0.9229	1.2417	1.7657
- -									

- -				0.318	0.6789	0.6789	0.6789	0.6789	0.6789
- -									
- -									
- -									
- -									
- -	0.4058	0.4058	0.4058	0.7238	1.2113	1.6015	2.4445	2.7633	3.2873
0.032183	0.034417	0.036061	0.037256	0.0388	0.040375	0.042141	0.044074	0.046193	0.048521
0.010329	0.017931	0.025716	0.034615	0.044218	0.05406	0.06411	0.06849	0.069632	0.071146
0.042512	0.052348	0.061777	0.071871	0.083017	0.094435	0.106251	0.112564	0.115825	0.119666
21.49566	22.64479	22.56747	22.57337	22.52635	22.23541	22.14092	22.19261	22.30241	22.4398
25.94272	25.76039	25.55963	25.37946	25.57094	25.73435	25.94874	26.21376	26.50351	26.80255
14.96564	15.0922	15.10036	14.8819	15.29925	15.61821	15.9272	16.18793	16.49684	16.71932
0.041395	0.052236	0.063576	0.07184	0.083738	0.099283	0.119615	0.143906	0.170109	0.198372
62.4454	63.54962	63.29104	62.90657	63.48027	63.68725	64.13647	64.7382	65.47287	66.16005
4.437169	5.175889	2.517587	2.354618	4.266322	4.958699	4.157194	5.17392	4.686457	3.755686
1.681332	3.343591	6.099874	8.009418	16.66411	21.23984	22.71935	21.65574	23.08073	21.82966
0.062395	0.066609	0.070044	0.070384	0.074072	0.078036	0.08251	0.086714	0.090649	0.094931
65.01252	66.98238	72.17903	73.7234	81.02782	85.07511	87.78056	86.28915	88.99042	89.40766
67.83075	68.88129	68.66679	68.13898	68.7041	68.872	69.30092	69.89404	70.6868	71.42861
41.48836	41.45457	46.04224	45.08811	47.42303	47.50789	47.33809	45.13877	47.85009	48.07303
0.166638	0.16663	0.185542	0.18171	0.191039	0.191316	0.190635	0.182929	0.193815	0.194748
3.535343	3.254672	2.69219	2.569194	3.232345	3.379821	3.604052	3.833042	3.809832	3.994356
8.695292	8.454165	8.537553	8.553281	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901
0.0006	0.0006	0.0006	0.001377	0.001377	0.001377	0.001377	0.001377	0.001377	0.001377
11.19196	13.71742	14.78658	17.39539	21.67669	25.49136	28.14306	28.62968	28.63196	28.64081
65.07819	67.04805	72.2447	73.78906	81.09349	85.14078	87.84623	86.35481	89.05608	89.47333
65.01252	66.98238	72.17903	73.7234	81.02782	85.07511	87.78056	86.28915	88.99042	89.40766
0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567

0.102983	0.115256	0.124638	0.161064	0.169962	0.179046	0.189	0.19969	0.211156	0.223623
0.014099	0.024426	0.03494	0.047019	0.060164	0.073681	0.087493	0.093516	0.095132	0.09728
0.117082	0.139682	0.159578	0.208083	0.230126	0.252727	0.276493	0.293206	0.306288	0.320903
0.062395	0.066609	0.070044	0.070384	0.074072	0.078036	0.08251	0.086714	0.090649	0.094931
0.054687	0.073073	0.089533	0.137699	0.156054	0.174692	0.193983	0.206491	0.215639	0.225972
65.19527	67.18773	72.40427	73.99715	81.32362	85.3935	88.12273	86.64802	89.36237	89.79423
12.1965	12.24375	12.05993	12.13702	12.22296	12.08189	11.91075	11.76054	11.61544	11.52665
9.688845	9.68672	9.6305	9.717219	9.771399	9.604926	9.457642	9.313212	9.159344	9.059777
7.536975	7.478603	7.442873	7.533124	7.539436	7.419025	7.324804	7.227237	7.102014	7.030406
13.11341	13.95861	14.3929	14.66082	15.01774	14.92152	14.79806	14.68074	14.56654	14.47232
10.03861	10.07699	9.9796	10.07449	10.11035	9.941954	9.784801	9.642498	9.491652	9.399864
12.1965	12.47019	12.53998	12.86727	13.21704	13.34598	13.4511	13.56423	13.66154	13.81004
9.688845	9.865864	10.01384	10.30188	10.56609	10.60986	10.68075	10.74156	10.7728	10.85449
7.536976	7.616911	7.739136	7.986371	8.152605	8.195253	8.272082	8.335665	8.353063	8.423106
13.11341	14.21676	14.96581	15.54292	16.23911	16.48271	16.71181	16.93229	17.13249	17.33924
10.03861	10.26335	10.37684	10.68065	10.93261	10.98215	11.05022	11.12135	11.16365	11.26195
6.518501	6.43928	6.293735	6.292253	6.226428	6.041923	5.897929	5.780801	5.643837	5.556292
1.045555	1.090412	1.114726	1.15668	1.208838	1.230613	1.236131	1.230117	1.222925	1.218912
2.474553	2.547296	2.571138	2.625556	2.675086	2.669418	2.65074	2.631581	2.624889	2.62466
6.518501	6.558367	6.544258	6.670841	6.732811	6.67407	6.660678	6.667391	6.638022	6.656975
1.045555	1.110577	1.159098	1.226275	1.30715	1.359367	1.395993	1.418777	1.438348	1.460375
2.474553	2.594405	2.673482	2.783528	2.892646	2.948711	2.993546	3.035181	3.087274	3.144597
0.439879	0.439802	0.491056	0.480635	0.506877	0.507946	0.50603	0.481532	0.510805	0.513185
0.033181	0.030979	0.022322	0.021395	0.027285	0.029338	0.03143	0.033642	0.03331	0.03497
0.001767	0.001768	0.001981	0.001939	0.002044	0.002047	0.002039	0.001956	0.002074	0.002084
0.474827	0.472549	0.51536	0.503969	0.536206	0.539332	0.5395	0.51713	0.546189	0.550238
1.866259	1.663499	1.641815	1.82723	1.839412	1.852916	1.883952	1.908286	1.939153	1.966214
3.213068	3.70918	4.141064	4.438976	4.759459	5.077534	5.212084	5.28473	5.503689	5.651329
15.15309	11.69005	13.22918	14.49766	16.40682	17.02642	17.37551	17.51706	17.94663	18.33166
4.675263	2.582042	4.447128	5.391228	7.35708	8.336061	9.083159	9.6624	10.06906	10.40708
1.866259	1.694263	1.707167	1.937169	1.989008	2.046781	2.127594	2.200956	2.280743	2.355715
$ 3.21	$ 3.78	$ 4.31	$ 4.71	$ 5.15	$ 5.61	$ 5.89	$ 6.10	$ 6.47	$ 6.77
-42%	18%	14%	9%	9%	9%	5%	4%	6%	5%

15.15309	11.90625	13.75577	15.36995	17.74115	18.80784	19.6226	20.20362	21.10801	21.9631
4.675263	2.629794	4.624146	5.715604	7.955417	9.208236	10.25784	11.1443	11.84276	12.46868
13.53218	13.48921	14.8651	14.54121	15.4096	15.47426	15.45181	14.76198	15.6205	15.71568
49.618	49.46043	54.50537	53.31781	56.50188	56.73896	56.65662	54.12729	57.27515	57.62418
0.021023	0.01073	0.017159	0.014931	0.017411	0.01348	0.016655	0.011317	0.013026	0.012696
0.037564	0.034094	0.040539	0.039635	0.043082	0.042807	0.042603	0.038849	0.040389	0.040046
0.662081	0.148802	0.166945	0.165716	0.174554	0.174777	0.175246	0.165638	0.176139	0.175514

2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012
0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524
1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762
4.998575	5.062193	5.130508	5.23558	5.352439	5.484214	5.648769	5.68785	5.801043	5.915404
1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175
7.911067	7.963256	8.01675	8.06988	8.129506	8.194586	8.194586	8.227942	8.270654	8.331746
23.06204	23.17785	23.29966	23.45786	23.63435	23.8312	23.99575	24.06819	24.2241	24.39955
0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837
0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538
0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755
0.293676	0.358393	0.426708	0.53178	0.648639	0.780414	0.944969	0.98405	1.097243	1.211604
3.475867	3.528056	3.58155	3.634681	3.694306	3.759386	3.759386	3.792743	3.835454	3.896546
3.769543	3.886449	4.008258	4.166461	4.342946	4.539799	4.704354	4.776793	4.932697	5.10815
4.445043	4.561949	4.683758	4.841961	5.018445	5.215299	5.379854	5.452292	5.608197	5.78365
0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427
1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657

0.6804	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815
3.2888	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899
0.051133	0.054134	0.057464	0.061038	0.064962	0.069363	0.073944	0.078688	0.083625	0.088842
0.073247	0.075739	0.07867	0.08195	0.085511	0.089425	0.093543	0.097823	0.102147	0.10653
0.12438	0.129873	0.136133	0.142988	0.150473	0.158787	0.167487	0.17651	0.185772	0.195372
22.55163	22.67584	22.81081	22.95341	23.10486	23.20569	23.29983	23.39945	23.52509	23.67816
27.10178	27.40197	27.69633	27.99715	28.30304	28.55822	28.80448	29.05975	29.34042	29.63679
16.91426	17.07323	17.20017	17.20281	17.24234	17.26997	17.27218	17.2903	17.32973	17.36387
0.227759	0.25482	0.280507	0.305258	0.329748	0.353649	0.376441	0.397867	0.418049	0.43686
66.79543	67.40586	67.98782	68.45862	68.97998	69.38754	69.75292	70.14735	70.61328	71.11568
3.893649	3.148125	2.900856	3.25192	3.650377	2.993398	2.69269	2.936316	2.415178	2.575933
21.88537	20.7371	20.21587	20.076	20.18895	18.77175	18.15309	18.00405	17.87856	18.06473
0.099676	0.104864	0.110397	0.116088	0.12208	0.128649	0.135433	0.142163	0.149177	0.156612
90.00623	90.25755	90.60612	90.61778	90.88905	90.5621	90.63193	90.6582	91.54982	92.11007
72.11419	72.77345	73.40151	73.90978	74.47256	74.91239	75.30696	75.73263	76.23561	76.77789
48.4076	48.40547	48.16682	48.00951	48.00073	47.43369	47.41997	47.40782	47.59981	47.58752
0.196092	0.196083	0.195125	0.194493	0.194458	0.19218	0.192124	0.192076	0.192843	0.192815
4.117049	4.179681	4.539468	4.492811	4.535767	4.52067	4.566968	4.498325	5.033693	5.36808
8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901
0.001377	0.001669	0.001976	0.002129	0.002232	0.002312	0.002312	0.002519	0.002618	0.002716
28.78077	28.97131	29.19939	29.41549	29.65251	29.9099	29.94721	30.05412	30.21752	30.45559
90.0719	90.32322	90.67178	90.68344	90.95471	90.62776	90.69759	90.72386	91.61549	92.17574
90.00623	90.25755	90.60612	90.61778	90.88905	90.5621	90.63193	90.6582	91.54982	92.11007
0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567

0.237447	0.253067	0.270327	0.288826	0.308966	0.33126	0.354441	0.377974	0.402279	0.427684
0.100284	0.103857	0.10807	0.112799	0.117944	0.123607	0.12958	0.1358	0.142088	0.148464
0.337731	0.356924	0.378397	0.401624	0.42691	0.454867	0.484021	0.513774	0.544367	0.576148
0.099676	0.104864	0.110397	0.116088	0.12208	0.128649	0.135433	0.142163	0.149177	0.156612
0.238055	0.252061	0.268	0.285536	0.30483	0.326219	0.348588	0.371611	0.39519	0.419536
90.40963	90.68015	91.05018	91.08507	91.38162	91.08263	91.18162	91.23763	92.15985	92.75188
11.49147	11.43237	11.45395	11.43922	11.43832	11.48299	11.53337	11.52912	11.41443	11.26176
9.004432	8.933638	8.943477	8.925014	8.916671	8.946746	8.983862	8.971337	8.85821	8.709266
6.993533	6.987924	7.026441	7.02956	7.058362	7.125892	7.179746	7.18802	7.123306	7.041264
14.42166	14.1954	14.15362	14.08741	13.98443	13.91495	13.90915	13.83673	13.57348	13.20924
9.353373	9.301291	9.32228	9.314715	9.321016	9.367084	9.41533	9.412586	9.311967	9.179503
14.02463	14.22057	14.5275	14.80107	15.1084	15.49449	15.91104	16.26766	16.47914	16.63645
10.98935	11.11243	11.34337	11.54797	11.77766	12.07223	12.39382	12.65861	12.78869	12.86578
8.535174	8.692187	8.911914	9.095466	9.323096	9.615274	9.904928	10.14234	10.28399	10.40172
17.60075	17.65747	17.9516	18.22753	18.47145	18.77604	19.18858	19.5237	19.59618	19.51337
11.41521	11.56975	11.82382	12.0522	12.31174	12.63941	12.98906	13.28122	13.44378	13.56044
5.509611	5.456153	5.480128	5.470903	5.475227	5.518418	5.565322	5.564918	5.463193	5.323556
1.216625	1.215752	1.214291	1.213595	1.21182	1.211156	1.210786	1.207537	1.205862	1.207551
2.627137	2.629385	2.627861	2.630216	2.633969	2.63751	2.639222	2.640132	2.642911	2.648396
6.724139	6.786838	6.950664	7.078738	7.231998	7.44624	7.677725	7.852132	7.887269	7.864232
1.484816	1.512258	1.540133	1.570256	1.600642	1.634265	1.670358	1.703841	1.740916	1.783857
3.206258	3.270658	3.333021	3.403206	3.4791	3.558906	3.640979	3.725242	3.815598	3.912347
0.516956	0.516934	0.51425	0.512486	0.512393	0.506018	0.505876	0.505743	0.507925	0.507779
0.036038	0.036446	0.039658	0.039164	0.03939	0.038757	0.03876	0.038386	0.043287	0.045509
0.002099	0.002099	0.002089	0.002081	0.002081	0.002056	0.002055	0.002054	0.002063	0.002063
0.555094	0.555479	0.555996	0.553731	0.553864	0.546831	0.546691	0.546183	0.553275	0.555352
1.991267	2.020471	2.051547	2.086544	2.119779	2.152951	2.188478	2.221019	2.243543	2.272595
5.814015	5.813277	5.701366	5.647802	5.592993	5.567693	5.586568	5.708795	5.757101	5.802251
18.79032	19.37787	19.84681	20.23567	20.70672	21.04569	21.63587	22.25459	22.86437	23.61338
10.79367	11.32077	11.68915	11.96215	12.28565	12.53941	13.02502	13.55116	14.08722	14.73964
2.430218	2.513237	2.602058	2.699754	2.799927	2.90507	3.019148	3.133871	3.239026	3.357194
$ 7.10	$ 7.23	$ 7.23	$ 7.31	$ 7.39	$ 7.51	$ 7.71	$ 8.06	$ 8.31	$ 8.57
5%	2%	0%	1%	1%	2%	3%	5%	3%	3%

22.93243	24.10388	25.17249	26.1827	27.35065	28.39786	29.8481	31.40136	33.00953	34.8829
13.173	14.08176	14.82581	15.47768	16.2276	16.91997	17.96887	19.12077	20.33787	21.77416
15.84231	15.86466	15.81778	15.76014	15.7566	15.57333	15.55204	15.54492	15.68346	15.73437
58.08848	58.17042	57.99851	57.78716	57.77419	57.1022	57.02412	56.99806	57.50604	57.69271
0.013925	0.015501	0.013609	0.01298	0.013471	0.01432	0.01169	0.01243	0.01197	0.01489
0.041237	0.041329	0.041063	0.040854	0.040733	0.039563	0.039414	0.03947	0.040096	0.040184
0.178018	0.169911	0.17729	0.17409	0.17657	0.166757	0.174079	0.171744	0.174045	0.164614

2035	2036	2037	2038	2039	2040	Growth (2015-2040)
7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	-0.50%
0.524	0.524	0.524	0.524	0.524	0.524	0.524 - -
1.519636	1.519636	1.519636	1.519636	1.519636	1.519636	0.50%
5.943165	6.04705	6.210127	6.33753	6.50614	6.632342	0.90%
1.175	1.175	1.175	1.175	1.175	1.175	0.00%
						- -
						- -
8.331746	8.366163	8.366163	8.404995	8.404995	8.441779	3.10%
						- -
24.47075	24.60905	24.77213	24.93836	25.10697	25.26996	0.60%
						- -
						- -
0.138	0.138	0.138	0.138	0.138	0.138	- -
0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	- -
						- -
						- -
						- -
0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	- -
						- -
0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	- -
						- -
						- -
0.043436	0.043436	0.043436	0.043436	0.043436	0.043436	- -
1.313165	1.41705	1.580127	1.70753	1.87614	2.002342	- -
						- -
						- -
						- -
3.896546	3.930963	3.930963	3.969795	3.969795	4.006579	- -
						- -
5.253148	5.391449	5.554526	5.720761	5.889371	6.052358	- -
5.928648	6.066949	6.230026	6.396261	6.564871	6.727858	- -
0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	- -
1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	- -
						- -

0.7553	0.7553	0.7553	0.7553	0.7553	0.7553	- -
						- -
						- -
						- -
						- -
3.3637	3.3637	3.3637	3.3637	3.3637	3.3637	- -
						- -
						- -
0.094377	0.098666	0.102067	0.104885	0.107458	0.11007	5.00%
						- -
0.111031	0.115485	0.119949	0.124456	0.128981	0.133543	10.80%
						- -
0.205408	0.214152	0.222016	0.229341	0.236439	0.243613	7.20%
23.85238	24.01943	24.18198	24.34133	24.508	24.68792	0.60%
29.93819	30.23418	30.53375	30.82828	31.12418	31.41855	0.80%
17.39477	17.46215	17.53318	17.64368	17.70599	17.78871	0.70%
0.453804	0.469424	0.483643	0.496242	0.507795	0.518508	10.60%
71.63914	72.18517	72.73254	73.30953	73.84596	74.41368	0.70%
						- -
						- -
2.769439	2.687488	2.857286	1.327502	1.058799	1.334687	-4.70%
17.76134	17.28189	16.82559	14.80871	13.90036	13.68538	8.70%
0.164706	0.172216	0.179407	0.186516	0.194271	0.20328	4.80%
92.16998	92.35446	92.31187	92.44051	92.37199	92.48518	1.40%
77.34278	77.93228	78.52296	79.14582	79.7247	80.33776	0.70%
47.57569	47.56101	47.54667	47.53543	47.52184	47.50995	0.50%
0.19275	0.192692	0.192634	0.192588	0.192534	0.192485	0.60%
5.389176	5.477425	5.421422	5.415362	5.329005	5.33577	1.70%
8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	-0.10%
0.003197	0.003283	0.003384	0.003403	0.003486	0.003506	7.30%
30.50582	30.61671	30.64442	30.79039	30.82177	30.94012	4.20%
						- -
92.23564	92.42013	92.37753	92.50618	92.43765	92.55084	1.40%
92.16998	92.35446	92.31187	92.44051	92.37199	92.48518	1.40%
0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.00%
						- -
						- -

0.454505	0.476426	0.494556	0.51019	0.525183	0.540996	6.90%
						- -
0.155012	0.161495	0.167991	0.174552	0.181139	0.18778	10.90%
						- -
0.609517	0.637921	0.662547	0.684742	0.706321	0.728776	7.60%
0.164706	0.172216	0.179407	0.186516	0.194271	0.20328	4.80%
0.444811	0.465705	0.48314	0.498226	0.51205	0.525496	9.50%
92.84516	93.05805	93.04008	93.19092	93.14397	93.27962	1.40%
11.22478	11.19311	11.16813	11.14614	11.11904	11.1175	-0.40%
8.674335	8.640688	8.613256	8.58566	8.559811	8.555353	-0.50%
7.028285	7.017284	7.00583	7.000553	6.99554	7.004627	-0.30%
13.1062	12.9995	12.92228	12.82586	12.73471	12.68847	-0.10%
9.151905	9.125634	9.103857	9.083039	9.062812	9.063481	-0.40%
16.96332	17.2969	17.63957	17.99273	18.33549	18.71705	1.70%
13.10898	13.35259	13.60426	13.85946	14.11527	14.40351	1.60%
10.62141	10.84392	11.0654	11.30069	11.53576	11.79276	1.80%
19.80659	20.08834	20.41017	20.70422	20.99974	21.36189	2.00%
13.8307	14.10199	14.37914	14.66235	14.94473	15.25898	1.70%
5.298555	5.269593	5.251219	5.228405	5.210036	5.207125	-0.90%
1.208722	1.213498	1.214177	1.216689	1.219326	1.222732	0.60%
2.644627	2.642543	2.638462	2.637944	2.63345	2.633624	0.20%
8.007377	8.143188	8.294069	8.439986	8.591434	8.766541	1.20%
1.826667	1.875238	1.917739	1.964048	2.010689	2.058552	2.70%
3.996661	4.083564	4.167334	4.258318	4.342603	4.433882	2.40%
0.507654	0.507498	0.507346	0.507226	0.507082	0.506956	0.60%
0.04551	0.045942	0.045425	0.045305	0.044584	0.044645	1.20%
0.002062	0.002061	0.002061	0.00206	0.00206	0.002059	0.60%
0.555226	0.555501	0.554832	0.554592	0.553726	0.55366	0.60%
2.292622	2.316428	2.338707	2.362743	2.383489	2.411772	1.00%
5.796906	5.71484	5.735487	5.760739	5.76815	5.697744	2.30%
23.99787	24.66942	25.08139	25.75888	26.43174	27.07738	2.30%
14.98019	15.56631	15.86523	16.42111	17.05493	17.58353	5.40%
3.464697	3.579614	3.693884	3.814072	3.930412	4.06038	3.20%
$ 8.76	$ 8.83	$ 9.06	$ 9.30	$ 9.51	$ 9.59	4.50%
2%	1%	3%	3%	2%	1%	2.78%

36.26649	38.12206	39.61495	41.58143	43.58637	45.58657	4.50%
22.63863	24.05487	25.05844	26.50787	28.12385	29.60304	7.70%
15.70906	15.65201	15.62133	15.61345	15.58783	15.60352	0.60%
57.59985	57.39072	57.2782	57.24929	57.15539	57.21291	0.60%
0.012671	0.013271	0.013344	0.014145	0.013434	0.01465	-1.40%
0.040059	0.040304	0.040115	0.04009	0.039956	0.039876	0.20%
0.17461	0.160067	0.152795	0.149023	0.154042	0.145632	-5.90%

	PEAK	OFF PEAK	FLAT
2017	$ 28.86	$ 17.79	$ 22.94
2018	$ 27.31	$ 18.08	$ 22.37
2019	$ 29.86	$ 19.77	$ 24.47
2020	$ 32.55	$ 21.54	$ 26.66
2021	$ 34.16	$ 22.61	$ 27.98
2022	$ 35.37	$ 23.41	$ 28.98
2023	$ 37.56	$ 24.86	$ 30.77
2024	$ 39.29	$ 26.01	$ 32.19
2025	$ 41.17	$ 27.25	$ 33.73
2026	$ 41.96	$ 27.77	$ 34.37
2027	$ 41.96	$ 27.77	$ 34.38
2028	$ 42.40	$ 28.07	$ 34.74
2029	$ 42.87	$ 28.37	$ 35.12
2030	$ 43.59	$ 28.85	$ 35.71
2031	$ 44.72	$ 29.60	$ 36.64
2032	$ 46.74	$ 30.94	$ 38.29
2033	$ 48.23	$ 31.92	$ 39.51
2034	$ 49.74	$ 32.92	$ 40.75
2035	$ 50.84	$ 33.65	$ 41.65
2036	$ 51.25	$ 33.92	$ 41.98

PEAK	OFF PEAK
46.5%	53.5%

Date	On Peak	Off Peak
Jan-17	$ 31.45	$ 25.25
Feb-17	$ 31.50	$ 22.00
Mar-17	$ 30.00	$ 17.90
Apr-17	$ 27.75	$ 14.00
May-17	$ 27.45	$ 15.95
Jun-17	$ 26.45	$ 15.55
Jul-17	$ 36.20	$ 17.85
Aug-17	$ 32.70	$ 15.55
Sep-17	$ 28.80	$ 16.10
Oct-17	$ 23.85	$ 17.05
Nov-17	$ 23.80	$ 16.30
Dec-17	$ 26.40	$ 19.95
Jan-18	$ 35.05	$ 26.45
Feb-18	$ 32.65	$ 24.10
Mar-18	$ 26.90	$ 19.55
Apr-18	$ 24.45	$ 18.45
May-18	$ 25.30	$ 14.55
Jun-18	$ 25.10	$ 15.20
Jul-18	$ 31.70	$ 16.85
Aug-18	$ 28.80	$ 16.50
Sep-18	$ 24.25	$ 14.50
Oct-18	$ 24.40	$ 16.10
Nov-18	$ 24.30	$ 16.95
Dec-18	$ 24.80	$ 17.70
Jan-19	$ 38.33	$ 28.93
Feb-19	$ 35.71	$ 26.36
Mar-19	$ 29.42	$ 21.38
Apr-19	$ 26.74	$ 20.18
May-19	$ 27.67	$ 15.91
Jun-19	$ 27.45	$ 16.62
Jul-19	$ 34.67	$ 18.43
Aug-19	$ 31.50	$ 18.04
Sep-19	$ 26.52	$ 15.86
Oct-19	$ 26.68	$ 17.61
Nov-19	$ 26.57	$ 18.54
Dec-19	$ 27.12	$ 19.36
Jan-20	$ 41.77	$ 31.52
Feb-20	$ 38.91	$ 28.72
Mar-20	$ 32.06	$ 23.30
Apr-20	$ 29.14	$ 21.99
May-20	$ 30.15	$ 17.34
Jun-20	$ 29.91	$ 18.12
Jul-20	$ 37.78	$ 20.08
Aug-20	$ 34.32	$ 19.67
Sep-20	$ 28.90	$ 17.28

Oct-20	$ 29.08	$ 19.19
Nov-20	$ 28.96	$ 20.20
Dec-20	$ 29.56	$ 21.10
Jan-21	$ 43.84	$ 33.08
Feb-21	$ 40.84	$ 30.14
Mar-21	$ 33.65	$ 24.45
Apr-21	$ 30.58	$ 23.08
May-21	$ 31.64	$ 18.20
Jun-21	$ 31.39	$ 19.01
Jul-21	$ 39.65	$ 21.08
Aug-21	$ 36.02	$ 20.64
Sep-21	$ 30.33	$ 18.14
Oct-21	$ 30.52	$ 20.14
Nov-21	$ 30.39	$ 21.20
Dec-21	$ 31.02	$ 22.14
Jan-22	$ 45.40	$ 34.26
Feb-22	$ 42.29	$ 31.21
Mar-22	$ 34.84	$ 25.32
Apr-22	$ 31.67	$ 23.90
May-22	$ 32.77	$ 18.85
Jun-22	$ 32.51	$ 19.69
Jul-22	$ 41.06	$ 21.82
Aug-22	$ 37.30	$ 21.37
Sep-22	$ 31.41	$ 18.78
Oct-22	$ 31.60	$ 20.85
Nov-22	$ 31.47	$ 21.95
Dec-22	$ 32.12	$ 22.92
Jan-23	$ 48.21	$ 36.38
Feb-23	$ 44.91	$ 33.15
Mar-23	$ 37.00	$ 26.89
Apr-23	$ 33.63	$ 25.38
May-23	$ 34.80	$ 20.01
Jun-23	$ 34.53	$ 20.91
Jul-23	$ 43.60	$ 23.18
Aug-23	$ 39.61	$ 22.70
Sep-23	$ 33.36	$ 19.94
Oct-23	$ 33.56	$ 22.15
Nov-23	$ 33.42	$ 23.31
Dec-23	$ 34.11	$ 24.35
Jan-24	$ 50.43	$ 38.05
Feb-24	$ 46.98	$ 34.67
Mar-24	$ 38.70	$ 28.13
Apr-24	$ 35.18	$ 26.54
May-24	$ 36.40	$ 20.93
Jun-24	$ 36.11	$ 21.87
Jul-24	$ 45.61	$ 24.24
Aug-24	$ 41.44	$ 23.74

Sep-24	$ 34.89	$ 20.86
Oct-24	$ 35.11	$ 23.16
Nov-24	$ 34.96	$ 24.39
Dec-24	$ 35.68	$ 25.47
Jan-25	$ 52.85	$ 39.88
Feb-25	$ 49.23	$ 36.34
Mar-25	$ 40.56	$ 29.48
Apr-25	$ 36.86	$ 27.82
May-25	$ 38.15	$ 21.94
Jun-25	$ 37.84	$ 22.92
Jul-25	$ 47.80	$ 25.41
Aug-25	$ 43.42	$ 24.88
Sep-25	$ 36.56	$ 21.86
Oct-25	$ 36.79	$ 24.28
Nov-25	$ 36.64	$ 25.56
Dec-25	$ 37.39	$ 26.69
Jan-26	$ 53.86	$ 40.64
Feb-26	$ 50.17	$ 37.03
Mar-26	$ 41.33	$ 30.04
Apr-26	$ 37.57	$ 28.35
May-26	$ 38.87	$ 22.36
Jun-26	$ 38.57	$ 23.36
Jul-26	$ 48.71	$ 25.89
Aug-26	$ 44.25	$ 25.35
Sep-26	$ 37.26	$ 22.28
Oct-26	$ 37.49	$ 24.74
Nov-26	$ 37.34	$ 26.04
Dec-26	$ 38.11	$ 27.20
Jan-27	$ 53.86	$ 40.64
Feb-27	$ 50.17	$ 37.03
Mar-27	$ 41.33	$ 30.04
Apr-27	$ 37.57	$ 28.35
May-27	$ 38.88	$ 22.36
Jun-27	$ 38.57	$ 23.36
Jul-27	$ 48.71	$ 25.89
Aug-27	$ 44.25	$ 25.35
Sep-27	$ 37.26	$ 22.28
Oct-27	$ 37.49	$ 24.74
Nov-27	$ 37.34	$ 26.05
Dec-27	$ 38.11	$ 27.20
Jan-28	$ 54.43	$ 41.07
Feb-28	$ 50.70	$ 37.42
Mar-28	$ 41.77	$ 30.36
Apr-28	$ 37.97	$ 28.65
May-28	$ 39.29	$ 22.59
Jun-28	$ 38.98	$ 23.60
Jul-28	$ 49.22	$ 26.16

Aug-28	$ 44.72	$ 25.62
Sep-28	$ 37.66	$ 22.52
Oct-28	$ 37.89	$ 25.00
Nov-28	$ 37.73	$ 26.32
Dec-28	$ 38.51	$ 27.48
Jan-29	$ 55.02	$ 41.52
Feb-29	$ 51.25	$ 37.83
Mar-29	$ 42.23	$ 30.69
Apr-29	$ 38.38	$ 28.96
May-29	$ 39.72	$ 22.84
Jun-29	$ 39.40	$ 23.86
Jul-29	$ 49.76	$ 26.45
Aug-29	$ 45.21	$ 25.90
Sep-29	$ 38.07	$ 22.76
Oct-29	$ 38.30	$ 25.27
Nov-29	$ 38.15	$ 26.61
Dec-29	$ 38.93	$ 27.79
Jan-30	$ 55.95	$ 42.22
Feb-30	$ 52.12	$ 38.47
Mar-30	$ 42.94	$ 31.21
Apr-30	$ 39.03	$ 29.45
May-30	$ 40.39	$ 23.23
Jun-30	$ 40.07	$ 24.27
Jul-30	$ 50.61	$ 26.90
Aug-30	$ 45.98	$ 26.34
Sep-30	$ 38.71	$ 23.15
Oct-30	$ 38.95	$ 25.70
Nov-30	$ 38.79	$ 27.06
Dec-30	$ 39.59	$ 28.26
Jan-31	$ 57.40	$ 43.32
Feb-31	$ 53.47	$ 39.47
Mar-31	$ 44.05	$ 32.02
Apr-31	$ 40.04	$ 30.22
May-31	$ 41.43	$ 23.83
Jun-31	$ 41.11	$ 24.89
Jul-31	$ 51.91	$ 27.59
Aug-31	$ 47.17	$ 27.02
Sep-31	$ 39.71	$ 23.75
Oct-31	$ 39.96	$ 26.37
Nov-31	$ 39.80	$ 27.76
Dec-31	$ 40.61	$ 28.99
Jan-32	$ 59.99	$ 45.27
Feb-32	$ 55.89	$ 41.25
Mar-32	$ 46.04	$ 33.46
Apr-32	$ 41.85	$ 31.58
May-32	$ 43.30	$ 24.90
Jun-32	$ 42.96	$ 26.02

Jul-32	$ 54.26	$ 28.84
Aug-32	$ 49.30	$ 28.24
Sep-32	$ 41.51	$ 24.82
Oct-32	$ 41.76	$ 27.56
Nov-32	$ 41.59	$ 29.01
Dec-32	$ 42.45	$ 30.30
Jan-33	$ 61.90	$ 46.71
Feb-33	$ 57.66	$ 42.56
Mar-33	$ 47.51	$ 34.53
Apr-33	$ 43.18	$ 32.59
May-33	$ 44.68	$ 25.70
Jun-33	$ 44.33	$ 26.85
Jul-33	$ 55.99	$ 29.76
Aug-33	$ 50.87	$ 29.14
Sep-33	$ 42.83	$ 25.61
Oct-33	$ 43.09	$ 28.43
Nov-33	$ 42.92	$ 29.94
Dec-33	$ 43.80	$ 31.26
Jan-34	$ 63.84	$ 48.17
Feb-34	$ 59.47	$ 43.89
Mar-34	$ 48.99	$ 35.61
Apr-34	$ 44.53	$ 33.60
May-34	$ 46.08	$ 26.50
Jun-34	$ 45.72	$ 27.68
Jul-34	$ 57.74	$ 30.69
Aug-34	$ 52.45	$ 30.05
Sep-34	$ 44.17	$ 26.41
Oct-34	$ 44.44	$ 29.32
Nov-34	$ 44.26	$ 30.87
Dec-34	$ 45.17	$ 32.24
Jan-35	$ 65.25	$ 49.24
Feb-35	$ 60.78	$ 44.86
Mar-35	$ 50.08	$ 36.39
Apr-35	$ 45.51	$ 34.35
May-35	$ 47.10	$ 27.09
Jun-35	$ 46.72	$ 28.30
Jul-35	$ 59.01	$ 31.37
Aug-35	$ 53.61	$ 30.72
Sep-35	$ 45.14	$ 26.99
Oct-35	$ 45.42	$ 29.97
Nov-35	$ 45.24	$ 31.55
Dec-35	$ 46.17	$ 32.95
Jan-36	$ 65.77	$ 49.64
Feb-36	$ 61.27	$ 45.23
Mar-36	$ 50.48	$ 36.69
Apr-36	$ 45.88	$ 34.62
May-36	$ 47.48	$ 27.30

Jun-36	$ 47.10	$ 28.52
Jul-36	$ 59.49	$ 31.62
Aug-36	$ 54.05	$ 30.96
Sep-36	$ 45.51	$ 27.21
Oct-36	$ 45.79	$ 30.21
Nov-36	$ 45.60	$ 31.81
Dec-36	$ 46.54	$ 33.22
Jan-37	$ 67.47	$ 50.92
Feb-37	$ 62.85	$ 46.39
Mar-37	$ 51.78	$ 37.63
Apr-37	$ 47.07	$ 35.52
May-37	$ 48.70	$ 28.01
Jun-37	$ 48.32	$ 29.26
Jul-37	$ 61.02	$ 32.44
Aug-37	$ 55.44	$ 31.76
Sep-37	$ 46.68	$ 27.91
Oct-37	$ 46.97	$ 30.99
Nov-37	$ 46.78	$ 32.63
Dec-37	$ 47.74	$ 34.07
Jan-38	$ 69.26	$ 52.27
Feb-38	$ 64.52	$ 47.62
Mar-38	$ 53.16	$ 38.63
Apr-38	$ 48.31	$ 36.46
May-38	$ 49.99	$ 28.75
Jun-38	$ 49.60	$ 30.04
Jul-38	$ 62.64	$ 33.30
Aug-38	$ 56.91	$ 32.60
Sep-38	$ 47.92	$ 28.65
Oct-38	$ 48.22	$ 31.81
Nov-38	$ 48.02	$ 33.49
Dec-38	$ 49.01	$ 34.98
Jan-39	$ 70.84	$ 53.46
Feb-39	$ 65.99	$ 48.71
Mar-39	$ 54.37	$ 39.51
Apr-39	$ 49.42	$ 37.29
May-39	$ 51.14	$ 29.41
Jun-39	$ 50.73	$ 30.72
Jul-39	$ 64.07	$ 34.06
Aug-39	$ 58.21	$ 33.35
Sep-39	$ 49.01	$ 29.31
Oct-39	$ 49.32	$ 32.54
Nov-39	$ 49.11	$ 34.26
Dec-39	$ 50.13	$ 35.77
Jan-40	$ 71.44	$ 53.91
Feb-40	$ 66.55	$ 49.12
Mar-40	$ 54.83	$ 39.85
Apr-40	$ 49.84	$ 37.61

May-40	$	51.57	$	29.66
Jun-40	$	51.16	$	30.98
Jul-40	$	64.62	$	34.35
Aug-40	$	58.70	$	33.63
Sep-40	$	49.43	$	29.56
Oct-40	$	49.74	$	32.82
Nov-40	$	49.53	$	34.55
Dec-40	$	50.55	$	36.08

	peak	
Sep-16	$ 24.04	
Oct-16	$ 23.92	
Nov-16	$ 26.55	
Dec-16	$ 27.25	
Jan-17	$ 31.45	
Feb-17	$ 31.50	
Mar-17	$ 30.00	
Apr-17	$ 27.75	
May-17	$ 27.45	
Jun-17	$ 26.45	
Jul-17	$ 36.20	
Aug-17	$ 32.70	
Sep-17	$ 28.80	
Oct-17	$ 23.85	
Nov-17	$ 23.80	
Dec-17	$ 26.40	
Jan-18	$ 35.05	
Feb-18	$ 32.65	
Mar-18	$ 26.90	
Apr-18	$ 24.45	
May-18	$ 25.30	
Jun-18	$ 25.10	
Jul-18	$ 31.70	
Aug-18	$ 28.80	
Sep-18	$ 24.25	
Oct-18	$ 24.40	
Nov-18	$ 24.30	
Dec-18	$ 24.80	
Jan-19	$ 38.33	
Feb-19	$ 35.71	
Mar-19	$ 29.42	
Apr-19	$ 26.74	
May-19	$ 27.67	
Jun-19	$ 27.45	
Jul-19	$ 34.67	

EIA Escalation

2019	9%
2020	9%
2021	5%
2022	4%
2023	6%
2024	5%
2025	5%
2026	2%
2027	0%
2028	1%
2029	1%
2030	2%
2031	3%
2032	5%
2033	3%
2034	3%
2035	2%
2036	1%
2037	3%
2038	3%
2039	2%
2040	1%

Location	vs. North Hub 10-5-
Aberdeen 1	$ 0.32
Aberdeen 2	$ 0.32
Beethoven	$ 0.19
Big Stone	$ 0.29
Coyote	$ (0.46)
Huron 1	$ (0.17)
Huron 2	$ (0.17)
Neal 4	$ 0.31
Oak Tree	$ 0.31
Titan	$ (0.17)
Load	$ 0.27

Aug-19	$	31.50
Sep-19	$	26.52
Oct-19	$	26.68
Nov-19	$	26.57
Dec-19	$	27.12
Jan-20	$	41.77
Feb-20	$	38.91
Mar-20	$	32.06
Apr-20	$	29.14
May-20	$	30.15
Jun-20	$	29.91
Jul-20	$	37.78
Aug-20	$	34.32
Sep-20	$	28.90
Oct-20	$	29.08
Nov-20	$	28.96
Dec-20	$	29.56
Jan-21	$	43.84
Feb-21	$	40.84
Mar-21	$	33.65
Apr-21	$	30.58
May-21	$	31.64
Jun-21	$	31.39
Jul-21	$	39.65
Aug-21	$	36.02
Sep-21	$	30.33
Oct-21	$	30.52
Nov-21	$	30.39
Dec-21	$	31.02
Jan-22	$	45.40
Feb-22	$	42.29
Mar-22	$	34.84
Apr-22	$	31.67
May-22	$	32.77
Jun-22	$	32.51
Jul-22	$	41.06
Aug-22	$	37.30
Sep-22	$	31.41
Oct-22	$	31.60
Nov-22	$	31.47
Dec-22	$	32.12
Jan-23	$	48.21
Feb-23	$	44.91
Mar-23	$	37.00
Apr-23	$	33.63
May-23	$	34.80
Jun-23	$	34.53

Jul-23	$	43.60	
Aug-23	$	39.61	
Sep-23	$	33.36	
Oct-23	$	33.56	
Nov-23	$	33.42	
Dec-23	$	34.11	
Jan-24	$	50.43	
Feb-24	$	46.98	
Mar-24	$	38.70	
Apr-24	$	35.18	
May-24	$	36.40	
Jun-24	$	36.11	
Jul-24	$	45.61	
Aug-24	$	41.44	
Sep-24	$	34.89	
Oct-24	$	35.11	
Nov-24	$	34.96	
Dec-24	$	35.68	
Jan-25	$	52.85	
Feb-25	$	49.23	
Mar-25	$	40.56	
Apr-25	$	36.86	
May-25	$	38.15	
Jun-25	$	37.84	
Jul-25	$	47.80	
Aug-25	$	43.42	
Sep-25	$	36.56	
Oct-25	$	36.79	
Nov-25	$	36.64	
Dec-25	$	37.39	
Jan-26	$	53.86	
Feb-26	$	50.17	
Mar-26	$	41.33	
Apr-26	$	37.57	
May-26	$	38.87	
Jun-26	$	38.57	
Jul-26	$	48.71	
Aug-26	$	44.25	
Sep-26	$	37.26	
Oct-26	$	37.49	
Nov-26	$	37.34	
Dec-26	$	38.11	
Jan-27	$	53.86	
Feb-27	$	50.17	
Mar-27	$	41.33	
Apr-27	$	37.57	
May-27	$	38.88	

Jun-27	$	38.57	
Jul-27	$	48.71	
Aug-27	$	44.25	
Sep-27	$	37.26	
Oct-27	$	37.49	
Nov-27	$	37.34	
Dec-27	$	38.11	
Jan-28	$	54.43	
Feb-28	$	50.70	
Mar-28	$	41.77	
Apr-28	$	37.97	
May-28	$	39.29	
Jun-28	$	38.98	
Jul-28	$	49.22	
Aug-28	$	44.72	
Sep-28	$	37.66	
Oct-28	$	37.89	
Nov-28	$	37.73	
Dec-28	$	38.51	
Jan-29	$	55.02	
Feb-29	$	51.25	
Mar-29	$	42.23	
Apr-29	$	38.38	
May-29	$	39.72	
Jun-29	$	39.40	
Jul-29	$	49.76	
Aug-29	$	45.21	
Sep-29	$	38.07	
Oct-29	$	38.30	
Nov-29	$	38.15	
Dec-29	$	38.93	
Jan-30	$	55.95	
Feb-30	$	52.12	
Mar-30	$	42.94	
Apr-30	$	39.03	
May-30	$	40.39	
Jun-30	$	40.07	
Jul-30	$	50.61	
Aug-30	$	45.98	
Sep-30	$	38.71	
Oct-30	$	38.95	
Nov-30	$	38.79	
Dec-30	$	39.59	
Jan-31	$	57.40	
Feb-31	$	53.47	
Mar-31	$	44.05	
Apr-31	$	40.04	

May-31	$	41.43
Jun-31	$	41.11
Jul-31	$	51.91
Aug-31	$	47.17
Sep-31	$	39.71
Oct-31	$	39.96
Nov-31	$	39.80
Dec-31	$	40.61
Jan-32	$	59.99
Feb-32	$	55.89
Mar-32	$	46.04
Apr-32	$	41.85
May-32	$	43.30
Jun-32	$	42.96
Jul-32	$	54.26
Aug-32	$	49.30
Sep-32	$	41.51
Oct-32	$	41.76
Nov-32	$	41.59
Dec-32	$	42.45
Jan-33	$	61.90
Feb-33	$	57.66
Mar-33	$	47.51
Apr-33	$	43.18
May-33	$	44.68
Jun-33	$	44.33
Jul-33	$	55.99
Aug-33	$	50.87
Sep-33	$	42.83
Oct-33	$	43.09
Nov-33	$	42.92
Dec-33	$	43.80
Jan-34	$	63.84
Feb-34	$	59.47
Mar-34	$	48.99
Apr-34	$	44.53
May-34	$	46.08
Jun-34	$	45.72
Jul-34	$	57.74
Aug-34	$	52.45
Sep-34	$	44.17
Oct-34	$	44.44
Nov-34	$	44.26
Dec-34	$	45.17
Jan-35	$	65.25
Feb-35	$	60.78
Mar-35	$	50.08

Apr-35	$ 45.51	
May-35	$ 47.10	
Jun-35	$ 46.72	
Jul-35	$ 59.01	
Aug-35	$ 53.61	
Sep-35	$ 45.14	
Oct-35	$ 45.42	
Nov-35	$ 45.24	
Dec-35	$ 46.17	
Jan-36	$ 65.77	
Feb-36	$ 61.27	
Mar-36	$ 50.48	
Apr-36	$ 45.88	
May-36	$ 47.48	
Jun-36	$ 47.10	
Jul-36	$ 59.49	
Aug-36	$ 54.05	
Sep-36	$ 45.51	
Oct-36	$ 45.79	
Nov-36	$ 45.60	
Dec-36	$ 46.54	
Jan-37	$ 67.47	
Feb-37	$ 62.85	
Mar-37	$ 51.78	
Apr-37	$ 47.07	
May-37	$ 48.70	
Jun-37	$ 48.32	
Jul-37	$ 61.02	
Aug-37	$ 55.44	
Sep-37	$ 46.68	
Oct-37	$ 46.97	
Nov-37	$ 46.78	
Dec-37	$ 47.74	
01/01/2038	$ 69.26	
02/01/2038	$ 64.52	
03/01/2038	$ 53.16	
04/01/2038	$ 48.31	
05/01/2038	$ 49.99	
06/01/2038	$ 49.60	
07/01/2038	$ 62.64	
08/01/2038	$ 56.91	
09/01/2038	$ 47.92	
10/01/2038	$ 48.22	
11/01/2038	$ 48.02	
12/01/2038	$ 49.01	
01/01/2039	$ 70.84	
02/01/2039	$ 65.99	

03/01/2039	$	54.37	
04/01/2039	$	49.42	
05/01/2039	$	51.14	
06/01/2039	$	50.73	
07/01/2039	$	64.07	
08/01/2039	$	58.21	
09/01/2039	$	49.01	
10/01/2039	$	49.32	
11/01/2039	$	49.11	
12/01/2039	$	50.13	
01/01/2040	$	71.44	
02/01/2040	$	66.55	
03/01/2040	$	54.83	
04/01/2040	$	49.84	
05/01/2040	$	51.57	
06/01/2040	$	51.16	
07/01/2040	$	64.62	
08/01/2040	$	58.70	
09/01/2040	$	49.43	
10/01/2040	$	49.74	
11/01/2040	$	49.53	
12/01/2040	$	50.55	

STARTDATE	ENDDATE	SPP on pk	Aberdeen 1	Aberdeen 2	Beethoven
1/1/2017 12:00:00 AM	2/1/2017 12:00:00 AM	$ 31.45	$ 0.33	$ 31.78	$ 31.64
2/1/2017 12:00:00 AM	3/1/2017 12:00:00 AM	$ 31.50	$ 0.34	$ 31.83	$ 31.69
3/1/2017 12:00:00 AM	4/1/2017 12:00:00 AM	$ 30.00	$ 0.34	$ 30.33	$ 30.19
4/1/2017 12:00:00 AM	5/1/2017 12:00:00 AM	$ 27.75	$ 0.34	$ 28.08	$ 27.94
5/1/2017 12:00:00 AM	6/1/2017 12:00:00 AM	$ 27.45	$ 0.35	$ 27.78	$ 27.64
6/1/2017 12:00:00 AM	7/1/2017 12:00:00 AM	$ 26.45	$ 0.37	$ 26.78	$ 26.64
7/1/2017 12:00:00 AM	8/1/2017 12:00:00 AM	$ 36.20	$ 0.36	$ 36.53	$ 36.39
8/1/2017 12:00:00 AM	9/1/2017 12:00:00 AM	$ 32.70	$ 0.36	$ 33.03	$ 32.89
9/1/2017 12:00:00 AM	10/1/2017 12:00:00 AM	$ 28.80	$ 0.35	$ 29.13	$ 28.99
10/1/2017 12:00:00 AM	11/1/2017 12:00:00 AM	$ 23.85	$ 0.33	$ 24.18	$ 24.04
11/1/2017 12:00:00 AM	12/1/2017 12:00:00 AM	$ 23.80	$ 0.35	$ 24.13	$ 23.99
12/1/2017 12:00:00 AM	1/1/2018 12:00:00 AM	$ 26.40	$ 0.35	$ 26.73	$ 26.59
1/1/2018 12:00:00 AM	2/1/2018 12:00:00 AM	$ 35.05	$ 0.35	$ 35.38	$ 35.24
2/1/2018 12:00:00 AM	3/1/2018 12:00:00 AM	$ 32.65	$ 0.33	$ 32.98	$ 32.84
3/1/2018 12:00:00 AM	4/1/2018 12:00:00 AM	$ 26.90	$ 0.32	$ 27.23	$ 27.09
4/1/2018 12:00:00 AM	5/1/2018 12:00:00 AM	$ 24.45	$ 0.32	$ 24.78	$ 24.64
5/1/2018 12:00:00 AM	6/1/2018 12:00:00 AM	$ 25.30	$ 0.32	$ 25.63	$ 25.49
6/1/2018 12:00:00 AM	7/1/2018 12:00:00 AM	$ 25.10	$ 0.32	$ 25.43	$ 25.29
7/1/2018 12:00:00 AM	8/1/2018 12:00:00 AM	$ 31.70	$ 0.32	$ 32.03	$ 31.89
8/1/2018 12:00:00 AM	9/1/2018 12:00:00 AM	$ 28.80	$ 0.32	$ 29.13	$ 28.99
9/1/2018 12:00:00 AM	10/1/2018 12:00:00 AM	$ 24.25	$ 0.32	$ 24.58	$ 24.44
10/1/2018 12:00:00 AM	11/1/2018 12:00:00 AM	$ 24.40	$ 0.32	$ 24.73	$ 24.59
11/1/2018 12:00:00 AM	12/1/2018 12:00:00 AM	$ 24.30	$ 0.32	$ 24.63	$ 24.49
12/1/2018 12:00:00 AM	1/1/2019 12:00:00 AM	$ 24.80	$ 0.32	$ 25.13	$ 24.99
1/1/2019 12:00:00 AM	2/1/2019 12:00:00 AM	$ 38.33	$ 0.32	$ 38.66	$ 38.52
2/1/2019 12:00:00 AM	3/1/2019 12:00:00 AM	$ 35.71	$ 0.32	$ 36.03	$ 35.90
3/1/2019 12:00:00 AM	4/1/2019 12:00:00 AM	$ 29.42	$ 0.32	$ 29.74	$ 29.61
4/1/2019 12:00:00 AM	5/1/2019 12:00:00 AM	$ 26.74	$ 0.32	$ 27.06	$ 26.93
5/1/2019 12:00:00 AM	6/1/2019 12:00:00 AM	$ 27.67	$ 0.32	$ 27.99	$ 27.86
6/1/2019 12:00:00 AM	7/1/2019 12:00:00 AM	$ 27.45	$ 0.32	$ 27.77	$ 27.64
7/1/2019 12:00:00 AM	8/1/2019 12:00:00 AM	$ 34.67	$ 0.32	$ 34.99	$ 34.86
8/1/2019 12:00:00 AM	9/1/2019 12:00:00 AM	$ 31.50	$ 0.32	$ 31.82	$ 31.69
9/1/2019 12:00:00 AM	10/1/2019 12:00:00 AM	$ 26.52	$ 0.32	$ 26.84	$ 26.71
10/1/2019 12:00:00 AM	11/1/2019 12:00:00 AM	$ 26.68	$ 0.32	$ 27.01	$ 26.87

11/1/2019 12:00:00 AM	12/1/2019 12:00:00 AM	$ 26.57	$ 0.32	$ 26.90	$ 26.76
12/1/2019 12:00:00 AM	1/1/2020 12:00:00 AM	$ 27.12	$ 0.32	$ 27.45	$ 27.31
1/1/2020 12:00:00 AM	2/1/2020 12:00:00 AM	$ 41.77	$ 0.32	$ 42.10	$ 41.96
2/1/2020 12:00:00 AM	3/1/2020 12:00:00 AM	$ 38.91	$ 0.32	$ 39.24	$ 39.10
3/1/2020 12:00:00 AM	4/1/2020 12:00:00 AM	$ 32.06	$ 0.32	$ 32.38	$ 32.25
4/1/2020 12:00:00 AM	5/1/2020 12:00:00 AM	$ 29.14	$ 0.32	$ 29.47	$ 29.33
5/1/2020 12:00:00 AM	6/1/2020 12:00:00 AM	$ 30.15	$ 0.32	$ 30.48	$ 30.34
6/1/2020 12:00:00 AM	7/1/2020 12:00:00 AM	$ 29.91	$ 0.32	$ 30.24	$ 30.10
7/1/2020 12:00:00 AM	8/1/2020 12:00:00 AM	$ 37.78	$ 0.32	$ 38.11	$ 37.97
8/1/2020 12:00:00 AM	9/1/2020 12:00:00 AM	$ 34.32	$ 0.32	$ 34.65	$ 34.51
9/1/2020 12:00:00 AM	10/1/2020 12:00:00 AM	$ 28.90	$ 0.32	$ 29.23	$ 29.09
10/1/2020 12:00:00 AM	11/1/2020 12:00:00 AM	$ 29.08	$ 0.32	$ 29.41	$ 29.27
11/1/2020 12:00:00 AM	12/1/2020 12:00:00 AM	$ 28.96	$ 0.32	$ 29.29	$ 29.15
12/1/2020 12:00:00 AM	1/1/2021 12:00:00 AM	$ 29.56	$ 0.32	$ 29.88	$ 29.75
1/1/2021 12:00:00 AM	2/1/2021 12:00:00 AM	$ 43.84	$ 0.32	$ 44.16	$ 44.03
2/1/2021 12:00:00 AM	3/1/2021 12:00:00 AM	$ 40.84	$ 0.32	$ 41.16	$ 41.03
3/1/2021 12:00:00 AM	4/1/2021 12:00:00 AM	$ 33.65	$ 0.32	$ 33.97	$ 33.84
4/1/2021 12:00:00 AM	5/1/2021 12:00:00 AM	$ 30.58	$ 0.32	$ 30.91	$ 30.77
5/1/2021 12:00:00 AM	6/1/2021 12:00:00 AM	$ 31.64	$ 0.32	$ 31.97	$ 31.83
6/1/2021 12:00:00 AM	7/1/2021 12:00:00 AM	$ 31.39	$ 0.32	$ 31.72	$ 31.58
7/1/2021 12:00:00 AM	8/1/2021 12:00:00 AM	$ 39.65	$ 0.32	$ 39.97	$ 39.84
8/1/2021 12:00:00 AM	9/1/2021 12:00:00 AM	$ 36.02	$ 0.32	$ 36.35	$ 36.21
9/1/2021 12:00:00 AM	10/1/2021 12:00:00 AM	$ 30.33	$ 0.32	$ 30.66	$ 30.52
10/1/2021 12:00:00 AM	11/1/2021 12:00:00 AM	$ 30.52	$ 0.32	$ 30.84	$ 30.71
11/1/2021 12:00:00 AM	12/1/2021 12:00:00 AM	$ 30.39	$ 0.32	$ 30.72	$ 30.58
12/1/2021 12:00:00 AM	1/1/2022 12:00:00 AM	$ 31.02	$ 0.32	$ 31.34	$ 31.21
1/1/2022 12:00:00 AM	2/1/2022 12:00:00 AM	$ 45.40	$ 0.32	$ 45.72	$ 45.59
2/1/2022 12:00:00 AM	3/1/2022 12:00:00 AM	$ 42.29	$ 0.32	$ 42.61	$ 42.48
3/1/2022 12:00:00 AM	4/1/2022 12:00:00 AM	$ 34.84	$ 0.32	$ 35.17	$ 35.03
4/1/2022 12:00:00 AM	5/1/2022 12:00:00 AM	$ 31.67	$ 0.32	$ 31.99	$ 31.86
5/1/2022 12:00:00 AM	6/1/2022 12:00:00 AM	$ 32.77	$ 0.32	$ 33.09	$ 32.96
6/1/2022 12:00:00 AM	7/1/2022 12:00:00 AM	$ 32.51	$ 0.32	$ 32.83	$ 32.70
7/1/2022 12:00:00 AM	8/1/2022 12:00:00 AM	$ 41.06	$ 0.32	$ 41.38	$ 41.25
8/1/2022 12:00:00 AM	9/1/2022 12:00:00 AM	$ 37.30	$ 0.32	$ 37.63	$ 37.49
9/1/2022 12:00:00 AM	10/1/2022 12:00:00 AM	$ 31.41	$ 0.32	$ 31.73	$ 31.60
10/1/2022 12:00:00 AM	11/1/2022 12:00:00 AM	$ 31.60	$ 0.32	$ 31.93	$ 31.79
11/1/2022 12:00:00 AM	12/1/2022 12:00:00 AM	$ 31.47	$ 0.32	$ 31.80	$ 31.66
12/1/2022 12:00:00 AM	1/1/2023 12:00:00 AM	$ 32.12	$ 0.32	$ 32.45	$ 32.31
1/1/2023 12:00:00 AM	2/1/2023 12:00:00 AM	$ 48.21	$ 0.32	$ 48.54	$ 48.40
2/1/2023 12:00:00 AM	3/1/2023 12:00:00 AM	$ 44.91	$ 0.32	$ 45.24	$ 45.10
3/1/2023 12:00:00 AM	4/1/2023 12:00:00 AM	$ 37.00	$ 0.32	$ 37.33	$ 37.19
4/1/2023 12:00:00 AM	5/1/2023 12:00:00 AM	$ 33.63	$ 0.32	$ 33.96	$ 33.82
5/1/2023 12:00:00 AM	6/1/2023 12:00:00 AM	$ 34.80	$ 0.32	$ 35.13	$ 34.99
6/1/2023 12:00:00 AM	7/1/2023 12:00:00 AM	$ 34.53	$ 0.32	$ 34.85	$ 34.72
7/1/2023 12:00:00 AM	8/1/2023 12:00:00 AM	$ 43.60	$ 0.32	$ 43.93	$ 43.79
8/1/2023 12:00:00 AM	9/1/2023 12:00:00 AM	$ 39.61	$ 0.32	$ 39.94	$ 39.80
9/1/2023 12:00:00 AM	10/1/2023 12:00:00 AM	$ 33.36	$ 0.32	$ 33.68	$ 33.55

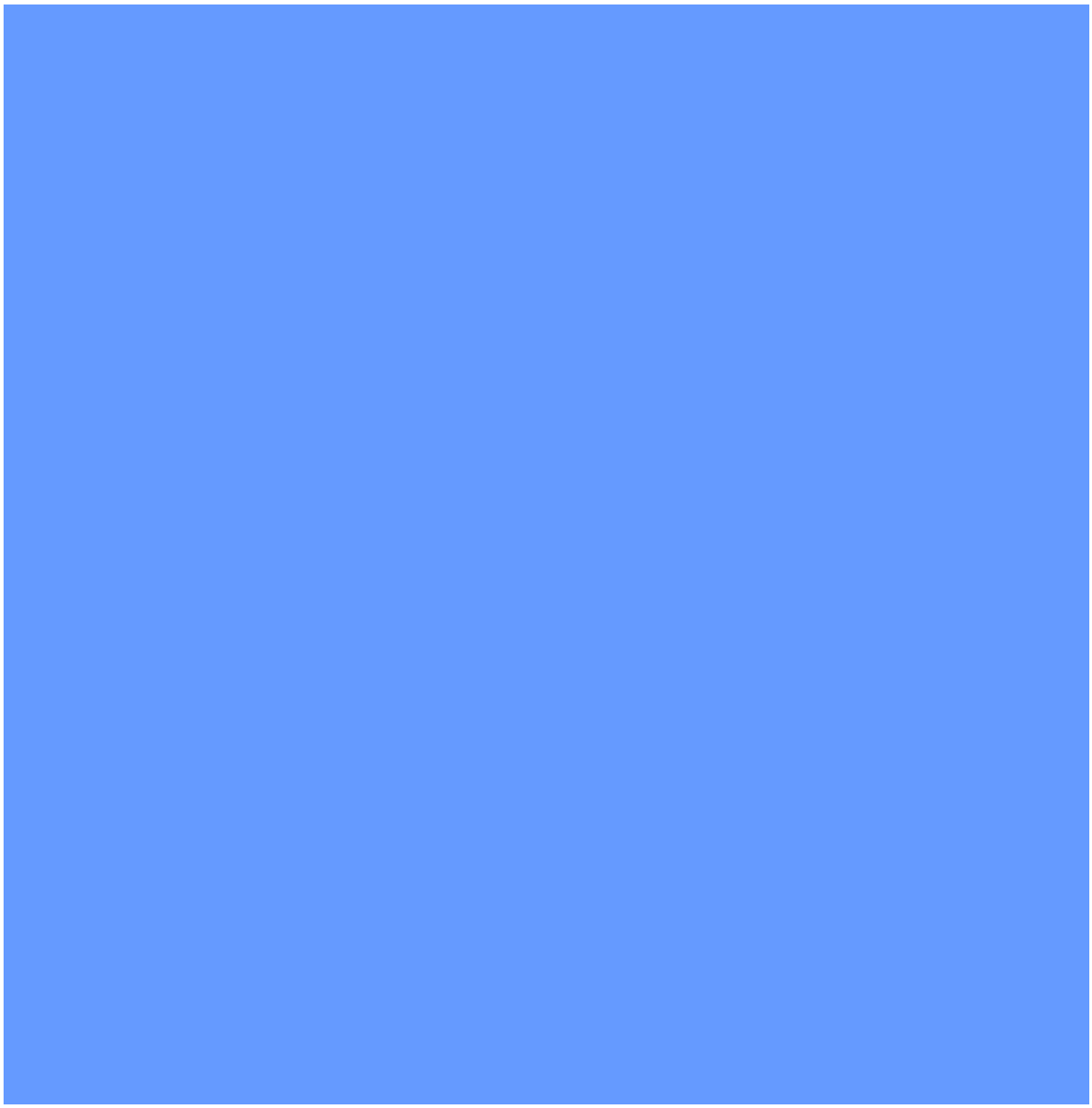
10/1/2023 12:00:00 AM	11/1/2023 12:00:00 AM	$ 33.56	$ 0.32	$ 33.89	$ 33.75
11/1/2023 12:00:00 AM	12/1/2023 12:00:00 AM	$ 33.42	$ 0.32	$ 33.75	$ 33.61
12/1/2023 12:00:00 AM	1/1/2024 12:00:00 AM	$ 34.11	$ 0.32	$ 34.44	$ 34.30
1/1/2024 12:00:00 AM	2/1/2024 12:00:00 AM	$ 50.43	$ 0.32	$ 50.75	$ 50.62
2/1/2024 12:00:00 AM	3/1/2024 12:00:00 AM	$ 46.98	$ 0.32	$ 47.30	$ 47.17
3/1/2024 12:00:00 AM	4/1/2024 12:00:00 AM	$ 38.70	$ 0.32	$ 39.03	$ 38.89
4/1/2024 12:00:00 AM	5/1/2024 12:00:00 AM	$ 35.18	$ 0.32	$ 35.50	$ 35.37
5/1/2024 12:00:00 AM	6/1/2024 12:00:00 AM	$ 36.40	$ 0.32	$ 36.73	$ 36.59
6/1/2024 12:00:00 AM	7/1/2024 12:00:00 AM	$ 36.11	$ 0.32	$ 36.44	$ 36.30
7/1/2024 12:00:00 AM	8/1/2024 12:00:00 AM	$ 45.61	$ 0.32	$ 45.93	$ 45.80
8/1/2024 12:00:00 AM	9/1/2024 12:00:00 AM	$ 41.44	$ 0.32	$ 41.76	$ 41.63
9/1/2024 12:00:00 AM	10/1/2024 12:00:00 AM	$ 34.89	$ 0.32	$ 35.21	$ 35.08
10/1/2024 12:00:00 AM	11/1/2024 12:00:00 AM	$ 35.11	$ 0.32	$ 35.43	$ 35.30
11/1/2024 12:00:00 AM	12/1/2024 12:00:00 AM	$ 34.96	$ 0.32	$ 35.29	$ 35.15
12/1/2024 12:00:00 AM	1/1/2025 12:00:00 AM	$ 35.68	$ 0.32	$ 36.01	$ 35.87
1/1/2025 12:00:00 AM	2/1/2025 12:00:00 AM	$ 52.85	$ 0.32	$ 53.17	$ 53.04
2/1/2025 12:00:00 AM	3/1/2025 12:00:00 AM	$ 49.23	$ 0.32	$ 49.55	$ 49.42
3/1/2025 12:00:00 AM	4/1/2025 12:00:00 AM	$ 40.56	$ 0.32	$ 40.88	$ 40.75
4/1/2025 12:00:00 AM	5/1/2025 12:00:00 AM	$ 36.86	$ 0.32	$ 37.19	$ 37.05
5/1/2025 12:00:00 AM	6/1/2025 12:00:00 AM	$ 38.15	$ 0.32	$ 38.47	$ 38.34
6/1/2025 12:00:00 AM	7/1/2025 12:00:00 AM	$ 37.84	$ 0.32	$ 38.17	$ 38.03
7/1/2025 12:00:00 AM	8/1/2025 12:00:00 AM	$ 47.80	$ 0.32	$ 48.12	$ 47.99
8/1/2025 12:00:00 AM	9/1/2025 12:00:00 AM	$ 43.42	$ 0.32	$ 43.75	$ 43.61
9/1/2025 12:00:00 AM	10/1/2025 12:00:00 AM	$ 36.56	$ 0.32	$ 36.89	$ 36.75
10/1/2025 12:00:00 AM	11/1/2025 12:00:00 AM	$ 36.79	$ 0.32	$ 37.11	$ 36.98
11/1/2025 12:00:00 AM	12/1/2025 12:00:00 AM	$ 36.64	$ 0.32	$ 36.96	$ 36.83
12/1/2025 12:00:00 AM	1/1/2026 12:00:00 AM	$ 37.39	$ 0.32	$ 37.72	$ 37.58
1/1/2026 12:00:00 AM	2/1/2026 12:00:00 AM	$ 53.86	$ 0.32	$ 54.18	$ 54.05
2/1/2026 12:00:00 AM	3/1/2026 12:00:00 AM	$ 50.17	$ 0.32	$ 50.49	$ 50.36
3/1/2026 12:00:00 AM	4/1/2026 12:00:00 AM	$ 41.33	$ 0.32	$ 41.66	$ 41.52
4/1/2026 12:00:00 AM	5/1/2026 12:00:00 AM	$ 37.57	$ 0.32	$ 37.89	$ 37.76
5/1/2026 12:00:00 AM	6/1/2026 12:00:00 AM	$ 38.87	$ 0.32	$ 39.20	$ 39.06
6/1/2026 12:00:00 AM	7/1/2026 12:00:00 AM	$ 38.57	$ 0.32	$ 38.89	$ 38.76
7/1/2026 12:00:00 AM	8/1/2026 12:00:00 AM	$ 48.71	$ 0.32	$ 49.03	$ 48.90
8/1/2026 12:00:00 AM	9/1/2026 12:00:00 AM	$ 44.25	$ 0.32	$ 44.58	$ 44.44
9/1/2026 12:00:00 AM	10/1/2026 12:00:00 AM	$ 37.26	$ 0.32	$ 37.59	$ 37.45
10/1/2026 12:00:00 AM	11/1/2026 12:00:00 AM	$ 37.49	$ 0.32	$ 37.82	$ 37.68
11/1/2026 12:00:00 AM	12/1/2026 12:00:00 AM	$ 37.34	$ 0.32	$ 37.66	$ 37.53
12/1/2026 12:00:00 AM	1/1/2027 12:00:00 AM	$ 38.11	$ 0.32	$ 38.43	$ 38.30
1/1/2027 12:00:00 AM	2/1/2027 12:00:00 AM	$ 53.86	$ 0.32	$ 54.18	$ 54.05
2/1/2027 12:00:00 AM	3/1/2027 12:00:00 AM	$ 50.17	$ 0.32	$ 50.49	$ 50.36
3/1/2027 12:00:00 AM	4/1/2027 12:00:00 AM	$ 41.33	$ 0.32	$ 41.66	$ 41.52
4/1/2027 12:00:00 AM	5/1/2027 12:00:00 AM	$ 37.57	$ 0.32	$ 37.89	$ 37.76
5/1/2027 12:00:00 AM	6/1/2027 12:00:00 AM	$ 38.88	$ 0.32	$ 39.20	$ 39.07
6/1/2027 12:00:00 AM	7/1/2027 12:00:00 AM	$ 38.57	$ 0.32	$ 38.89	$ 38.76
7/1/2027 12:00:00 AM	8/1/2027 12:00:00 AM	$ 48.71	$ 0.32	$ 49.03	$ 48.90
8/1/2027 12:00:00 AM	9/1/2027 12:00:00 AM	$ 44.25	$ 0.32	$ 44.58	$ 44.44

9/1/2027 12:00:00 AM	10/1/2027 12:00:00 AM	$ 37.26	$ 0.32	$ 37.59	$ 37.45
10/1/2027 12:00:00 AM	11/1/2027 12:00:00 AM	$ 37.49	$ 0.32	$ 37.82	$ 37.68
11/1/2027 12:00:00 AM	12/1/2027 12:00:00 AM	$ 37.34	$ 0.32	$ 37.66	$ 37.53
12/1/2027 12:00:00 AM	1/1/2028 12:00:00 AM	$ 38.11	$ 0.32	$ 38.43	$ 38.30
1/1/2028 12:00:00 AM	2/1/2028 12:00:00 AM	$ 54.43	$ 0.32	$ 54.75	$ 54.62
2/1/2028 12:00:00 AM	3/1/2028 12:00:00 AM	$ 50.70	$ 0.32	$ 51.02	$ 50.89
3/1/2028 12:00:00 AM	4/1/2028 12:00:00 AM	$ 41.77	$ 0.32	$ 42.10	$ 41.96
4/1/2028 12:00:00 AM	5/1/2028 12:00:00 AM	$ 37.97	$ 0.32	$ 38.29	$ 38.16
5/1/2028 12:00:00 AM	6/1/2028 12:00:00 AM	$ 39.29	$ 0.32	$ 39.61	$ 39.48
6/1/2028 12:00:00 AM	7/1/2028 12:00:00 AM	$ 38.98	$ 0.32	$ 39.30	$ 39.17
7/1/2028 12:00:00 AM	8/1/2028 12:00:00 AM	$ 49.22	$ 0.32	$ 49.55	$ 49.41
8/1/2028 12:00:00 AM	9/1/2028 12:00:00 AM	$ 44.72	$ 0.32	$ 45.05	$ 44.91
9/1/2028 12:00:00 AM	10/1/2028 12:00:00 AM	$ 37.66	$ 0.32	$ 37.98	$ 37.85
10/1/2028 12:00:00 AM	11/1/2028 12:00:00 AM	$ 37.89	$ 0.32	$ 38.21	$ 38.08
11/1/2028 12:00:00 AM	12/1/2028 12:00:00 AM	$ 37.73	$ 0.32	$ 38.06	$ 37.92
12/1/2028 12:00:00 AM	1/1/2029 12:00:00 AM	$ 38.51	$ 0.32	$ 38.83	$ 38.70
1/1/2029 12:00:00 AM	2/1/2029 12:00:00 AM	$ 55.02	$ 0.32	$ 55.35	$ 55.21
2/1/2029 12:00:00 AM	3/1/2029 12:00:00 AM	$ 51.25	$ 0.32	$ 51.58	$ 51.44
3/1/2029 12:00:00 AM	4/1/2029 12:00:00 AM	$ 42.23	$ 0.32	$ 42.55	$ 42.42
4/1/2029 12:00:00 AM	5/1/2029 12:00:00 AM	$ 38.38	$ 0.32	$ 38.71	$ 38.57
5/1/2029 12:00:00 AM	6/1/2029 12:00:00 AM	$ 39.72	$ 0.32	$ 40.04	$ 39.91
6/1/2029 12:00:00 AM	7/1/2029 12:00:00 AM	$ 39.40	$ 0.32	$ 39.73	$ 39.59
7/1/2029 12:00:00 AM	8/1/2029 12:00:00 AM	$ 49.76	$ 0.32	$ 50.09	$ 49.95
8/1/2029 12:00:00 AM	9/1/2029 12:00:00 AM	$ 45.21	$ 0.32	$ 45.54	$ 45.40
9/1/2029 12:00:00 AM	10/1/2029 12:00:00 AM	$ 38.07	$ 0.32	$ 38.39	$ 38.26
10/1/2029 12:00:00 AM	11/1/2029 12:00:00 AM	$ 38.30	$ 0.32	$ 38.63	$ 38.49
11/1/2029 12:00:00 AM	12/1/2029 12:00:00 AM	$ 38.15	$ 0.32	$ 38.47	$ 38.34
12/1/2029 12:00:00 AM	1/1/2030 12:00:00 AM	$ 38.93	$ 0.32	$ 39.26	$ 39.12
1/1/2030 12:00:00 AM	2/1/2030 12:00:00 AM	$ 55.95	$ 0.32	$ 56.28	$ 56.14
2/1/2030 12:00:00 AM	3/1/2030 12:00:00 AM	$ 52.12	$ 0.32	$ 52.45	$ 52.31
3/1/2030 12:00:00 AM	4/1/2030 12:00:00 AM	$ 42.94	$ 0.32	$ 43.27	$ 43.13
4/1/2030 12:00:00 AM	5/1/2030 12:00:00 AM	$ 39.03	$ 0.32	$ 39.36	$ 39.22
5/1/2030 12:00:00 AM	6/1/2030 12:00:00 AM	$ 40.39	$ 0.32	$ 40.71	$ 40.58
6/1/2030 12:00:00 AM	7/1/2030 12:00:00 AM	$ 40.07	$ 0.32	$ 40.39	$ 40.26
7/1/2030 12:00:00 AM	8/1/2030 12:00:00 AM	$ 50.61	$ 0.32	$ 50.93	$ 50.80
8/1/2030 12:00:00 AM	9/1/2030 12:00:00 AM	$ 45.98	$ 0.32	$ 46.30	$ 46.17
9/1/2030 12:00:00 AM	10/1/2030 12:00:00 AM	$ 38.71	$ 0.32	$ 39.04	$ 38.90
10/1/2030 12:00:00 AM	11/1/2030 12:00:00 AM	$ 38.95	$ 0.32	$ 39.28	$ 39.14
11/1/2030 12:00:00 AM	12/1/2030 12:00:00 AM	$ 38.79	$ 0.32	$ 39.12	$ 38.98
12/1/2030 12:00:00 AM	1/1/2031 12:00:00 AM	$ 39.59	$ 0.32	$ 39.92	$ 39.78
1/1/2031 12:00:00 AM	2/1/2031 12:00:00 AM	$ 57.40	$ 0.32	$ 57.73	$ 57.59
2/1/2031 12:00:00 AM	3/1/2031 12:00:00 AM	$ 53.47	$ 0.32	$ 53.80	$ 53.66
3/1/2031 12:00:00 AM	4/1/2031 12:00:00 AM	$ 44.05	$ 0.32	$ 44.38	$ 44.24
4/1/2031 12:00:00 AM	5/1/2031 12:00:00 AM	$ 40.04	$ 0.32	$ 40.37	$ 40.23
5/1/2031 12:00:00 AM	6/1/2031 12:00:00 AM	$ 41.43	$ 0.32	$ 41.76	$ 41.62
6/1/2031 12:00:00 AM	7/1/2031 12:00:00 AM	$ 41.11	$ 0.32	$ 41.43	$ 41.30
7/1/2031 12:00:00 AM	8/1/2031 12:00:00 AM	$ 51.91	$ 0.32	$ 52.24	$ 52.10

8/1/2031 12:00:00 AM	9/1/2031 12:00:00 AM	$ 47.17	$ 0.32	$ 47.49	$ 47.36
9/1/2031 12:00:00 AM	10/1/2031 12:00:00 AM	$ 39.71	$ 0.32	$ 40.04	$ 39.90
10/1/2031 12:00:00 AM	11/1/2031 12:00:00 AM	$ 39.96	$ 0.32	$ 40.28	$ 40.15
11/1/2031 12:00:00 AM	12/1/2031 12:00:00 AM	$ 39.80	$ 0.32	$ 40.12	$ 39.99
12/1/2031 12:00:00 AM	1/1/2032 12:00:00 AM	$ 40.61	$ 0.32	$ 40.94	$ 40.80
1/1/2032 12:00:00 AM	2/1/2032 12:00:00 AM	$ 59.99	$ 0.32	$ 60.32	$ 60.18
2/1/2032 12:00:00 AM	3/1/2032 12:00:00 AM	$ 55.89	$ 0.32	$ 56.21	$ 56.08
3/1/2032 12:00:00 AM	4/1/2032 12:00:00 AM	$ 46.04	$ 0.32	$ 46.37	$ 46.23
4/1/2032 12:00:00 AM	5/1/2032 12:00:00 AM	$ 41.85	$ 0.32	$ 42.17	$ 42.04
5/1/2032 12:00:00 AM	6/1/2032 12:00:00 AM	$ 43.30	$ 0.32	$ 43.63	$ 43.49
6/1/2032 12:00:00 AM	7/1/2032 12:00:00 AM	$ 42.96	$ 0.32	$ 43.29	$ 43.15
7/1/2032 12:00:00 AM	8/1/2032 12:00:00 AM	$ 54.26	$ 0.32	$ 54.58	$ 54.45
8/1/2032 12:00:00 AM	9/1/2032 12:00:00 AM	$ 49.30	$ 0.32	$ 49.62	$ 49.49
9/1/2032 12:00:00 AM	10/1/2032 12:00:00 AM	$ 41.51	$ 0.32	$ 41.83	$ 41.70
10/1/2032 12:00:00 AM	11/1/2032 12:00:00 AM	$ 41.76	$ 0.32	$ 42.09	$ 41.95
11/1/2032 12:00:00 AM	12/1/2032 12:00:00 AM	$ 41.59	$ 0.32	$ 41.92	$ 41.78
12/1/2032 12:00:00 AM	1/1/2033 12:00:00 AM	$ 42.45	$ 0.32	$ 42.77	$ 42.64
1/1/2033 12:00:00 AM	2/1/2033 12:00:00 AM	$ 61.90	$ 0.32	$ 62.23	$ 62.09
2/1/2033 12:00:00 AM	3/1/2033 12:00:00 AM	$ 57.66	$ 0.32	$ 57.99	$ 57.85
3/1/2033 12:00:00 AM	4/1/2033 12:00:00 AM	$ 47.51	$ 0.32	$ 47.83	$ 47.70
4/1/2033 12:00:00 AM	5/1/2033 12:00:00 AM	$ 43.18	$ 0.32	$ 43.51	$ 43.37
5/1/2033 12:00:00 AM	6/1/2033 12:00:00 AM	$ 44.68	$ 0.32	$ 45.01	$ 44.87
6/1/2033 12:00:00 AM	7/1/2033 12:00:00 AM	$ 44.33	$ 0.32	$ 44.66	$ 44.52
7/1/2033 12:00:00 AM	8/1/2033 12:00:00 AM	$ 55.99	$ 0.32	$ 56.31	$ 56.18
8/1/2033 12:00:00 AM	9/1/2033 12:00:00 AM	$ 50.87	$ 0.32	$ 51.19	$ 51.06
9/1/2033 12:00:00 AM	10/1/2033 12:00:00 AM	$ 42.83	$ 0.32	$ 43.15	$ 43.02
10/1/2033 12:00:00 AM	11/1/2033 12:00:00 AM	$ 43.09	$ 0.32	$ 43.42	$ 43.28
11/1/2033 12:00:00 AM	12/1/2033 12:00:00 AM	$ 42.92	$ 0.32	$ 43.24	$ 43.11
12/1/2033 12:00:00 AM	1/1/2034 12:00:00 AM	$ 43.80	$ 0.32	$ 44.13	$ 43.99
1/1/2034 12:00:00 AM	2/1/2034 12:00:00 AM	$ 63.84	$ 0.32	$ 64.16	$ 64.03
2/1/2034 12:00:00 AM	3/1/2034 12:00:00 AM	$ 59.47	$ 0.32	$ 59.79	$ 59.66
3/1/2034 12:00:00 AM	4/1/2034 12:00:00 AM	$ 48.99	$ 0.32	$ 49.32	$ 49.18
4/1/2034 12:00:00 AM	5/1/2034 12:00:00 AM	$ 44.53	$ 0.32	$ 44.86	$ 44.72
5/1/2034 12:00:00 AM	6/1/2034 12:00:00 AM	$ 46.08	$ 0.32	$ 46.41	$ 46.27
6/1/2034 12:00:00 AM	7/1/2034 12:00:00 AM	$ 45.72	$ 0.32	$ 46.04	$ 45.91
7/1/2034 12:00:00 AM	8/1/2034 12:00:00 AM	$ 57.74	$ 0.32	$ 58.06	$ 57.93
8/1/2034 12:00:00 AM	9/1/2034 12:00:00 AM	$ 52.45	$ 0.32	$ 52.78	$ 52.64
9/1/2034 12:00:00 AM	10/1/2034 12:00:00 AM	$ 44.17	$ 0.32	$ 44.49	$ 44.36
10/1/2034 12:00:00 AM	11/1/2034 12:00:00 AM	$ 44.44	$ 0.32	$ 44.77	$ 44.63
11/1/2034 12:00:00 AM	12/1/2034 12:00:00 AM	$ 44.26	$ 0.32	$ 44.58	$ 44.45
12/1/2034 12:00:00 AM	1/1/2035 12:00:00 AM	$ 45.17	$ 0.32	$ 45.49	$ 45.36
1/1/2035 12:00:00 AM	2/1/2035 12:00:00 AM	$ 65.25	$ 0.32	$ 65.57	$ 65.44
2/1/2035 12:00:00 AM	3/1/2035 12:00:00 AM	$ 60.78	$ 0.32	$ 61.10	$ 60.97
3/1/2035 12:00:00 AM	4/1/2035 12:00:00 AM	$ 50.08	$ 0.32	$ 50.40	$ 50.27
4/1/2035 12:00:00 AM	5/1/2035 12:00:00 AM	$ 45.51	$ 0.32	$ 45.84	$ 45.70
5/1/2035 12:00:00 AM	6/1/2035 12:00:00 AM	$ 47.10	$ 0.32	$ 47.42	$ 47.29
6/1/2035 12:00:00 AM	7/1/2035 12:00:00 AM	$ 46.72	$ 0.32	$ 47.05	$ 46.91

7/1/2035 12:00:00 AM	8/1/2035 12:00:00 AM	$ 59.01	$ 0.32	$ 59.34	$ 59.20
8/1/2035 12:00:00 AM	9/1/2035 12:00:00 AM	$ 53.61	$ 0.32	$ 53.94	$ 53.80
9/1/2035 12:00:00 AM	10/1/2035 12:00:00 AM	$ 45.14	$ 0.32	$ 45.47	$ 45.33
10/1/2035 12:00:00 AM	11/1/2035 12:00:00 AM	$ 45.42	$ 0.32	$ 45.75	$ 45.61
11/1/2035 12:00:00 AM	12/1/2035 12:00:00 AM	$ 45.24	$ 0.32	$ 45.56	$ 45.43
12/1/2035 12:00:00 AM	1/1/2036 12:00:00 AM	$ 46.17	$ 0.32	$ 46.49	$ 46.36
1/1/2036 12:00:00 AM	2/1/2036 12:00:00 AM	$ 65.77	$ 0.32	$ 66.10	$ 65.96
2/1/2036 12:00:00 AM	3/1/2036 12:00:00 AM	$ 61.27	$ 0.32	$ 61.59	$ 61.46
3/1/2036 12:00:00 AM	4/1/2036 12:00:00 AM	$ 50.48	$ 0.32	$ 50.80	$ 50.67
4/1/2036 12:00:00 AM	5/1/2036 12:00:00 AM	$ 45.88	$ 0.32	$ 46.21	$ 46.07
5/1/2036 12:00:00 AM	6/1/2036 12:00:00 AM	$ 47.48	$ 0.32	$ 47.80	$ 47.67
6/1/2036 12:00:00 AM	7/1/2036 12:00:00 AM	$ 47.10	$ 0.32	$ 47.43	$ 47.29
7/1/2036 12:00:00 AM	8/1/2036 12:00:00 AM	$ 59.49	$ 0.32	$ 59.81	$ 59.68
8/1/2036 12:00:00 AM	9/1/2036 12:00:00 AM	$ 54.05	$ 0.32	$ 54.37	$ 54.24
9/1/2036 12:00:00 AM	10/1/2036 12:00:00 AM	$ 45.51	$ 0.32	$ 45.83	$ 45.70
10/1/2036 12:00:00 AM	11/1/2036 12:00:00 AM	$ 45.79	$ 0.32	$ 46.11	$ 45.98
11/1/2036 12:00:00 AM	12/1/2036 12:00:00 AM	$ 45.60	$ 0.32	$ 45.93	$ 45.79
12/1/2036 12:00:00 AM	1/1/2037 12:00:00 AM	$ 46.54	$ 0.32	$ 46.86	$ 46.73
1/1/2037 12:00:00 AM	2/1/2037 12:00:00 AM	$ 67.47	$ 0.32	$ 67.79	$ 67.66
2/1/2037 12:00:00 AM	3/1/2037 12:00:00 AM	$ 62.85	$ 0.32	$ 63.17	$ 63.04
3/1/2037 12:00:00 AM	4/1/2037 12:00:00 AM	$ 51.78	$ 0.32	$ 52.11	$ 51.97
4/1/2037 12:00:00 AM	5/1/2037 12:00:00 AM	$ 47.07	$ 0.32	$ 47.39	$ 47.26
5/1/2037 12:00:00 AM	6/1/2037 12:00:00 AM	$ 48.70	$ 0.32	$ 49.03	$ 48.89
6/1/2037 12:00:00 AM	7/1/2037 12:00:00 AM	$ 48.32	$ 0.32	$ 48.64	$ 48.51
7/1/2037 12:00:00 AM	8/1/2037 12:00:00 AM	$ 61.02	$ 0.32	$ 61.35	$ 61.21
8/1/2037 12:00:00 AM	9/1/2037 12:00:00 AM	$ 55.44	$ 0.32	$ 55.76	$ 55.63
9/1/2037 12:00:00 AM	10/1/2037 12:00:00 AM	$ 46.68	$ 0.32	$ 47.01	$ 46.87
10/1/2037 12:00:00 AM	11/1/2037 12:00:00 AM	$ 46.97	$ 0.32	$ 47.29	$ 47.16
11/1/2037 12:00:00 AM	12/1/2037 12:00:00 AM	$ 46.78	$ 0.32	$ 47.10	$ 46.97
12/1/2037 12:00:00 AM	1/1/2038 12:00:00 AM	$ 47.74	$ 0.32	$ 48.06	$ 47.93
1/1/2038 12:00:00 AM	2/1/2038 12:00:00 AM	$ 69.26	$ 0.32	$ 69.58	$ 69.45
2/1/2038 12:00:00 AM	3/1/2038 12:00:00 AM	$ 64.52	$ 0.32	$ 64.84	$ 64.71
3/1/2038 12:00:00 AM	4/1/2038 12:00:00 AM	$ 53.16	$ 0.32	$ 53.48	$ 53.35
4/1/2038 12:00:00 AM	5/1/2038 12:00:00 AM	$ 48.31	$ 0.32	$ 48.64	$ 48.50
5/1/2038 12:00:00 AM	6/1/2038 12:00:00 AM	$ 49.99	$ 0.32	$ 50.32	$ 50.18
6/1/2038 12:00:00 AM	7/1/2038 12:00:00 AM	$ 49.60	$ 0.32	$ 49.92	$ 49.79
7/1/2038 12:00:00 AM	8/1/2038 12:00:00 AM	$ 62.64	$ 0.32	$ 62.97	$ 62.83
8/1/2038 12:00:00 AM	9/1/2038 12:00:00 AM	$ 56.91	$ 0.32	$ 57.23	$ 57.10
9/1/2038 12:00:00 AM	10/1/2038 12:00:00 AM	$ 47.92	$ 0.32	$ 48.24	$ 48.11
10/1/2038 12:00:00 AM	11/1/2038 12:00:00 AM	$ 48.22	$ 0.32	$ 48.54	$ 48.41
11/1/2038 12:00:00 AM	12/1/2038 12:00:00 AM	$ 48.02	$ 0.32	$ 48.34	$ 48.21
12/1/2038 12:00:00 AM	1/1/2039 12:00:00 AM	$ 49.01	$ 0.32	$ 49.33	$ 49.20
1/1/2039 12:00:00 AM	2/1/2039 12:00:00 AM	$ 70.84	$ 0.32	$ 71.17	$ 71.03
2/1/2039 12:00:00 AM	3/1/2039 12:00:00 AM	$ 65.99	$ 0.32	$ 66.32	$ 66.18
3/1/2039 12:00:00 AM	4/1/2039 12:00:00 AM	$ 54.37	$ 0.32	$ 54.69	$ 54.56
4/1/2039 12:00:00 AM	5/1/2039 12:00:00 AM	$ 49.42	$ 0.32	$ 49.74	$ 49.61
5/1/2039 12:00:00 AM	6/1/2039 12:00:00 AM	$ 51.14	$ 0.32	$ 51.46	$ 51.33

6/1/2039 12:00:00 AM	7/1/2039 12:00:00 AM	$ 50.73	$ 0.32	$ 51.06	$ 50.92
7/1/2039 12:00:00 AM	8/1/2039 12:00:00 AM	$ 64.07	$ 0.32	$ 64.40	$ 64.26
8/1/2039 12:00:00 AM	9/1/2039 12:00:00 AM	$ 58.21	$ 0.32	$ 58.53	$ 58.40
9/1/2039 12:00:00 AM	10/1/2039 12:00:00 AM	$ 49.01	$ 0.32	$ 49.34	$ 49.20
10/1/2039 12:00:00 AM	11/1/2039 12:00:00 AM	$ 49.32	$ 0.32	$ 49.64	$ 49.51
11/1/2039 12:00:00 AM	12/1/2039 12:00:00 AM	$ 49.11	$ 0.32	$ 49.44	$ 49.30
12/1/2039 12:00:00 AM	1/1/2040 12:00:00 AM	$ 50.13	$ 0.32	$ 50.45	$ 50.32
1/1/2040 12:00:00 AM	2/1/2040 12:00:00 AM	$ 71.44	$ 0.32	$ 71.77	$ 71.63
2/1/2040 12:00:00 AM	3/1/2040 12:00:00 AM	$ 66.55	$ 0.32	$ 66.88	$ 66.74
3/1/2040 12:00:00 AM	4/1/2040 12:00:00 AM	$ 54.83	$ 0.32	$ 55.16	$ 55.02
4/1/2040 12:00:00 AM	5/1/2040 12:00:00 AM	$ 49.84	$ 0.32	$ 50.16	$ 50.03
5/1/2040 12:00:00 AM	6/1/2040 12:00:00 AM	$ 51.57	$ 0.32	$ 51.89	$ 51.76
6/1/2040 12:00:00 AM	7/1/2040 12:00:00 AM	$ 51.16	$ 0.32	$ 51.49	$ 51.35
7/1/2040 12:00:00 AM	8/1/2040 12:00:00 AM	$ 64.62	$ 0.32	$ 64.94	$ 64.81
8/1/2040 12:00:00 AM	9/1/2040 12:00:00 AM	$ 58.70	$ 0.32	$ 59.03	$ 58.89
9/1/2040 12:00:00 AM	10/1/2040 12:00:00 AM	$ 49.43	$ 0.32	$ 49.75	$ 49.62
10/1/2040 12:00:00 AM	11/1/2040 12:00:00 AM	$ 49.74	$ 0.32	$ 50.06	$ 49.93
11/1/2040 12:00:00 AM	12/1/2040 12:00:00 AM	$ 49.53	$ 0.32	$ 49.86	$ 49.72
12/1/2040 12:00:00 AM	1/1/2041 12:00:00 AM	$ 50.55	$ 0.32	$ 50.88	$ 50.74



Big Stone	Coyote	Huron 1	Huron 2	Neal 4	Oak Tree	Titan	Load
$ 31.75	$ 30.99	$ 31.28	$ 31.28	$ 31.76	$ 31.76	$ 0.16	$ 32.05
$ 31.80	$ 31.04	$ 31.33	$ 31.33	$ 31.81	$ 31.81	$ 0.17	$ 32.10
$ 30.30	$ 29.54	$ 29.83	$ 29.83	$ 30.31	$ 30.31	$ 0.17	$ 30.60
$ 28.05	$ 27.29	$ 27.58	$ 27.58	$ 28.06	$ 28.06	$ 0.17	$ 28.35
$ 27.75	$ 26.99	$ 27.28	$ 27.28	$ 27.76	$ 27.76	$ 0.18	$ 28.05
$ 26.75	$ 25.99	$ 26.28	$ 26.28	$ 26.76	$ 26.76	$ 0.20	$ 27.05
$ 36.50	$ 35.74	$ 36.03	$ 36.03	$ 36.51	$ 36.51	$ 0.19	$ 36.80
$ 33.00	$ 32.24	$ 32.53	$ 32.53	$ 33.01	$ 33.01	$ 0.19	$ 33.30
$ 29.10	$ 28.34	$ 28.63	$ 28.63	$ 29.11	$ 29.11	$ 0.18	$ 29.40
$ 24.15	$ 23.39	$ 23.68	$ 23.68	$ 24.16	$ 24.16	$ 0.16	$ 24.45
$ 24.10	$ 23.34	$ 23.63	$ 23.63	$ 24.11	$ 24.11	$ 0.18	$ 24.40
$ 26.70	$ 25.94	$ 26.23	$ 26.23	$ 26.71	$ 26.71	$ 0.18	$ 27.00
$ 35.35	$ 34.59	$ 34.88	$ 34.88	$ 35.36	$ 35.36	$ 0.18	$ 35.65
$ 32.95	$ 32.19	$ 32.48	$ 32.48	$ 32.96	$ 32.96	$ 0.16	$ 33.25
$ 27.20	$ 26.44	$ 26.73	$ 26.73	$ 27.21	$ 27.21	$ 0.15	$ 27.50
$ 24.75	$ 23.99	$ 24.28	$ 24.28	$ 24.76	$ 24.76	$ 0.15	$ 25.05
$ 25.60	$ 24.84	$ 25.13	$ 25.13	$ 25.61	$ 25.61	$ 0.15	$ 25.90
$ 25.40	$ 24.64	$ 24.93	$ 24.93	$ 25.41	$ 25.41	$ 0.15	$ 25.70
$ 32.00	$ 31.24	$ 31.53	$ 31.53	$ 32.01	$ 32.01	$ 0.15	$ 32.30
$ 29.10	$ 28.34	$ 28.63	$ 28.63	$ 29.11	$ 29.11	$ 0.15	$ 29.40
$ 24.55	$ 23.79	$ 24.08	$ 24.08	$ 24.56	$ 24.56	$ 0.15	$ 24.85
$ 24.70	$ 23.94	$ 24.23	$ 24.23	$ 24.71	$ 24.71	$ 0.15	$ 25.00
$ 24.60	$ 23.84	$ 24.13	$ 24.13	$ 24.61	$ 24.61	$ 0.15	$ 24.90
$ 25.10	$ 24.34	$ 24.63	$ 24.63	$ 25.11	$ 25.11	$ 0.15	$ 25.40
$ 38.63	$ 37.87	$ 38.16	$ 38.16	$ 38.64	$ 38.64	$ 0.15	$ 38.93
$ 36.00	$ 35.25	$ 35.54	$ 35.54	$ 36.02	$ 36.02	$ 0.15	$ 36.30
$ 29.71	$ 28.96	$ 29.25	$ 29.25	$ 29.73	$ 29.73	$ 0.15	$ 30.01
$ 27.03	$ 26.28	$ 26.57	$ 26.57	$ 27.05	$ 27.05	$ 0.15	$ 27.33
$ 27.96	$ 27.21	$ 27.50	$ 27.50	$ 27.98	$ 27.98	$ 0.15	$ 28.26
$ 27.74	$ 26.99	$ 27.28	$ 27.28	$ 27.76	$ 27.76	$ 0.15	$ 28.04
$ 34.96	$ 34.21	$ 34.50	$ 34.50	$ 34.98	$ 34.98	$ 0.15	$ 35.26
$ 31.79	$ 31.04	$ 31.33	$ 31.33	$ 31.81	$ 31.81	$ 0.15	$ 32.09
$ 26.81	$ 26.06	$ 26.35	$ 26.35	$ 26.83	$ 26.83	$ 0.15	$ 27.11
$ 26.98	$ 26.23	$ 26.52	$ 26.52	$ 27.00	$ 27.00	$ 0.15	$ 27.28

$	26.87	$	26.12	$	26.41	$	26.41	$	26.89	$	26.89	$	0.15	$	27.17
$	27.42	$	26.66	$	26.95	$	26.95	$	27.43	$	27.43	$	0.15	$	27.72
$	42.07	$	41.32	$	41.61	$	41.61	$	42.09	$	42.09	$	0.15	$	42.37
$	39.21	$	38.46	$	38.75	$	38.75	$	39.23	$	39.23	$	0.15	$	39.51
$	32.35	$	31.60	$	31.89	$	31.89	$	32.37	$	32.37	$	0.15	$	32.65
$	29.44	$	28.68	$	28.97	$	28.97	$	29.45	$	29.45	$	0.15	$	29.74
$	30.45	$	29.70	$	29.99	$	29.99	$	30.47	$	30.47	$	0.15	$	30.75
$	30.21	$	29.46	$	29.75	$	29.75	$	30.23	$	30.23	$	0.15	$	30.51
$	38.08	$	37.32	$	37.61	$	37.61	$	38.09	$	38.09	$	0.15	$	38.38
$	34.62	$	33.87	$	34.16	$	34.16	$	34.64	$	34.64	$	0.15	$	34.92
$	29.20	$	28.44	$	28.73	$	28.73	$	29.21	$	29.21	$	0.15	$	29.50
$	29.38	$	28.62	$	28.91	$	28.91	$	29.39	$	29.39	$	0.15	$	29.68
$	29.26	$	28.50	$	28.79	$	28.79	$	29.27	$	29.27	$	0.15	$	29.56
$	29.85	$	29.10	$	29.39	$	29.39	$	29.87	$	29.87	$	0.15	$	30.15
$	44.13	$	43.38	$	43.67	$	43.67	$	44.15	$	44.15	$	0.15	$	44.43
$	41.13	$	40.38	$	40.67	$	40.67	$	41.15	$	41.15	$	0.15	$	41.43
$	33.94	$	33.19	$	33.48	$	33.48	$	33.96	$	33.96	$	0.15	$	34.24
$	30.88	$	30.12	$	30.41	$	30.41	$	30.89	$	30.89	$	0.15	$	31.18
$	31.94	$	31.19	$	31.48	$	31.48	$	31.96	$	31.96	$	0.15	$	32.24
$	31.69	$	30.94	$	31.23	$	31.23	$	31.71	$	31.71	$	0.15	$	31.99
$	39.94	$	39.19	$	39.48	$	39.48	$	39.96	$	39.96	$	0.15	$	40.24
$	36.32	$	35.56	$	35.85	$	35.85	$	36.33	$	36.33	$	0.15	$	36.62
$	30.63	$	29.87	$	30.16	$	30.16	$	30.64	$	30.64	$	0.15	$	30.93
$	30.81	$	30.06	$	30.35	$	30.35	$	30.83	$	30.83	$	0.15	$	31.11
$	30.69	$	29.94	$	30.23	$	30.23	$	30.71	$	30.71	$	0.15	$	30.99
$	31.31	$	30.56	$	30.85	$	30.85	$	31.33	$	31.33	$	0.15	$	31.61
$	45.69	$	44.94	$	45.23	$	45.23	$	45.71	$	45.71	$	0.15	$	45.99
$	42.58	$	41.83	$	42.12	$	42.12	$	42.60	$	42.60	$	0.15	$	42.88
$	35.14	$	34.38	$	34.67	$	34.67	$	35.15	$	35.15	$	0.15	$	35.44
$	31.96	$	31.21	$	31.50	$	31.50	$	31.98	$	31.98	$	0.15	$	32.26
$	33.06	$	32.31	$	32.60	$	32.60	$	33.08	$	33.08	$	0.15	$	33.36
$	32.80	$	32.05	$	32.34	$	32.34	$	32.82	$	32.82	$	0.15	$	33.10
$	41.35	$	40.60	$	40.89	$	40.89	$	41.37	$	41.37	$	0.15	$	41.65
$	37.60	$	36.84	$	37.13	$	37.13	$	37.61	$	37.61	$	0.15	$	37.90
$	31.70	$	30.95	$	31.24	$	31.24	$	31.72	$	31.72	$	0.15	$	32.00
$	31.90	$	31.15	$	31.44	$	31.44	$	31.92	$	31.92	$	0.15	$	32.20
$	31.77	$	31.02	$	31.31	$	31.31	$	31.79	$	31.79	$	0.15	$	32.07
$	32.42	$	31.66	$	31.95	$	31.95	$	32.43	$	32.43	$	0.15	$	32.72
$	48.51	$	47.75	$	48.04	$	48.04	$	48.52	$	48.52	$	0.15	$	48.81
$	45.21	$	44.45	$	44.74	$	44.74	$	45.22	$	45.22	$	0.15	$	45.51
$	37.30	$	36.54	$	36.83	$	36.83	$	37.31	$	37.31	$	0.15	$	37.60
$	33.93	$	33.17	$	33.46	$	33.46	$	33.94	$	33.94	$	0.15	$	34.23
$	35.10	$	34.34	$	34.63	$	34.63	$	35.11	$	35.11	$	0.15	$	35.40
$	34.82	$	34.07	$	34.36	$	34.36	$	34.84	$	34.84	$	0.15	$	35.12
$	43.90	$	43.15	$	43.44	$	43.44	$	43.92	$	43.92	$	0.15	$	44.20
$	39.91	$	39.16	$	39.45	$	39.45	$	39.93	$	39.93	$	0.15	$	40.21
$	33.65	$	32.90	$	33.19	$	33.19	$	33.67	$	33.67	$	0.15	$	33.95

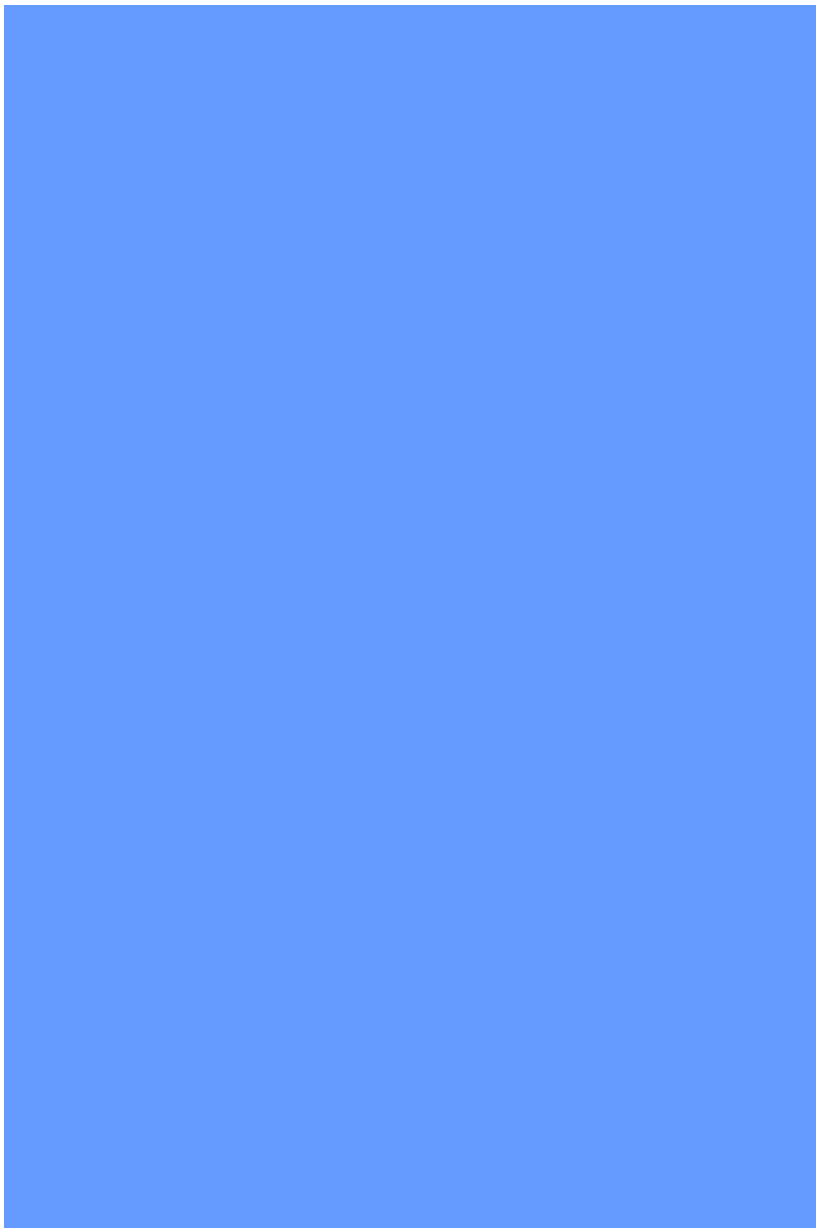
$	33.86	$	33.10	$	33.39	$	33.39	$	33.87	$	33.87	$	0.15	$	34.16
$	33.72	$	32.97	$	33.26	$	33.26	$	33.74	$	33.74	$	0.15	$	34.02
$	34.41	$	33.65	$	33.94	$	33.94	$	34.42	$	34.42	$	0.15	$	34.71
$	50.72	$	49.97	$	50.26	$	50.26	$	50.74	$	50.74	$	0.15	$	51.02
$	47.27	$	46.52	$	46.81	$	46.81	$	47.29	$	47.29	$	0.15	$	47.57
$	39.00	$	38.24	$	38.53	$	38.53	$	39.01	$	39.01	$	0.15	$	39.30
$	35.47	$	34.72	$	35.01	$	35.01	$	35.49	$	35.49	$	0.15	$	35.77
$	36.70	$	35.94	$	36.23	$	36.23	$	36.71	$	36.71	$	0.15	$	37.00
$	36.41	$	35.66	$	35.95	$	35.95	$	36.43	$	36.43	$	0.15	$	36.71
$	45.90	$	45.15	$	45.44	$	45.44	$	45.92	$	45.92	$	0.15	$	46.20
$	41.73	$	40.98	$	41.27	$	41.27	$	41.75	$	41.75	$	0.15	$	42.03
$	35.18	$	34.43	$	34.72	$	34.72	$	35.20	$	35.20	$	0.15	$	35.48
$	35.40	$	34.65	$	34.94	$	34.94	$	35.42	$	35.42	$	0.15	$	35.70
$	35.26	$	34.50	$	34.79	$	34.79	$	35.27	$	35.27	$	0.15	$	35.56
$	35.98	$	35.22	$	35.51	$	35.51	$	35.99	$	35.99	$	0.15	$	36.28
$	53.14	$	52.39	$	52.68	$	52.68	$	53.16	$	53.16	$	0.15	$	53.44
$	49.52	$	48.77	$	49.06	$	49.06	$	49.54	$	49.54	$	0.15	$	49.82
$	40.85	$	40.10	$	40.39	$	40.39	$	40.87	$	40.87	$	0.15	$	41.15
$	37.16	$	36.41	$	36.70	$	36.70	$	37.18	$	37.18	$	0.15	$	37.46
$	38.44	$	37.69	$	37.98	$	37.98	$	38.46	$	38.46	$	0.15	$	38.74
$	38.14	$	37.39	$	37.68	$	37.68	$	38.16	$	38.16	$	0.15	$	38.44
$	48.09	$	47.34	$	47.63	$	47.63	$	48.11	$	48.11	$	0.15	$	48.39
$	43.72	$	42.97	$	43.26	$	43.26	$	43.74	$	43.74	$	0.15	$	44.02
$	36.86	$	36.11	$	36.40	$	36.40	$	36.88	$	36.88	$	0.15	$	37.16
$	37.08	$	36.33	$	36.62	$	36.62	$	37.10	$	37.10	$	0.15	$	37.38
$	36.93	$	36.18	$	36.47	$	36.47	$	36.95	$	36.95	$	0.15	$	37.23
$	37.69	$	36.94	$	37.23	$	37.23	$	37.71	$	37.71	$	0.15	$	37.99
$	54.15	$	53.40	$	53.69	$	53.69	$	54.17	$	54.17	$	0.15	$	54.45
$	50.46	$	49.71	$	50.00	$	50.00	$	50.48	$	50.48	$	0.15	$	50.76
$	41.63	$	40.88	$	41.17	$	41.17	$	41.65	$	41.65	$	0.15	$	41.93
$	37.86	$	37.11	$	37.40	$	37.40	$	37.88	$	37.88	$	0.15	$	38.16
$	39.17	$	38.42	$	38.71	$	38.71	$	39.19	$	39.19	$	0.15	$	39.47
$	38.86	$	38.11	$	38.40	$	38.40	$	38.88	$	38.88	$	0.15	$	39.16
$	49.00	$	48.25	$	48.54	$	48.54	$	49.02	$	49.02	$	0.15	$	49.30
$	44.55	$	43.79	$	44.08	$	44.08	$	44.56	$	44.56	$	0.15	$	44.85
$	37.56	$	36.80	$	37.09	$	37.09	$	37.57	$	37.57	$	0.15	$	37.86
$	37.79	$	37.03	$	37.32	$	37.32	$	37.80	$	37.80	$	0.15	$	38.09
$	37.63	$	36.88	$	37.17	$	37.17	$	37.65	$	37.65	$	0.15	$	37.93
$	38.40	$	37.65	$	37.94	$	37.94	$	38.42	$	38.42	$	0.15	$	38.70
$	54.15	$	53.40	$	53.69	$	53.69	$	54.17	$	54.17	$	0.15	$	54.45
$	50.46	$	49.71	$	50.00	$	50.00	$	50.48	$	50.48	$	0.15	$	50.76
$	41.63	$	40.88	$	41.17	$	41.17	$	41.65	$	41.65	$	0.15	$	41.93
$	37.86	$	37.11	$	37.40	$	37.40	$	37.88	$	37.88	$	0.15	$	38.16
$	39.17	$	38.42	$	38.71	$	38.71	$	39.19	$	39.19	$	0.15	$	39.47
$	38.86	$	38.11	$	38.40	$	38.40	$	38.88	$	38.88	$	0.15	$	39.16
$	49.00	$	48.25	$	48.54	$	48.54	$	49.02	$	49.02	$	0.15	$	49.30
$	44.55	$	43.80	$	44.09	$	44.09	$	44.57	$	44.57	$	0.15	$	44.85

$	37.56	$	36.80	$	37.09	$	37.09	$	37.57	$	37.57	$	0.15	$	37.86
$	37.79	$	37.04	$	37.33	$	37.33	$	37.81	$	37.81	$	0.15	$	38.09
$	37.63	$	36.88	$	37.17	$	37.17	$	37.65	$	37.65	$	0.15	$	37.93
$	38.40	$	37.65	$	37.94	$	37.94	$	38.42	$	38.42	$	0.15	$	38.70
$	54.72	$	53.97	$	54.26	$	54.26	$	54.74	$	54.74	$	0.15	$	55.02
$	50.99	$	50.24	$	50.53	$	50.53	$	51.01	$	51.01	$	0.15	$	51.29
$	42.07	$	41.31	$	41.60	$	41.60	$	42.08	$	42.08	$	0.15	$	42.37
$	38.26	$	37.51	$	37.80	$	37.80	$	38.28	$	38.28	$	0.15	$	38.56
$	39.58	$	38.83	$	39.12	$	39.12	$	39.60	$	39.60	$	0.15	$	39.88
$	39.27	$	38.52	$	38.81	$	38.81	$	39.29	$	39.29	$	0.15	$	39.57
$	49.52	$	48.77	$	49.06	$	49.06	$	49.54	$	49.54	$	0.15	$	49.82
$	45.02	$	44.26	$	44.55	$	44.55	$	45.03	$	45.03	$	0.15	$	45.32
$	37.95	$	37.20	$	37.49	$	37.49	$	37.97	$	37.97	$	0.15	$	38.25
$	38.18	$	37.43	$	37.72	$	37.72	$	38.20	$	38.20	$	0.15	$	38.48
$	38.03	$	37.28	$	37.57	$	37.57	$	38.05	$	38.05	$	0.15	$	38.33
$	38.80	$	38.05	$	38.34	$	38.34	$	38.82	$	38.82	$	0.15	$	39.10
$	55.32	$	54.56	$	54.85	$	54.85	$	55.33	$	55.33	$	0.15	$	55.62
$	51.55	$	50.80	$	51.09	$	51.09	$	51.57	$	51.57	$	0.15	$	51.85
$	42.52	$	41.77	$	42.06	$	42.06	$	42.54	$	42.54	$	0.15	$	42.82
$	38.68	$	37.92	$	38.21	$	38.21	$	38.69	$	38.69	$	0.15	$	38.98
$	40.01	$	39.26	$	39.55	$	39.55	$	40.03	$	40.03	$	0.15	$	40.31
$	39.70	$	38.94	$	39.23	$	39.23	$	39.71	$	39.71	$	0.15	$	40.00
$	50.06	$	49.31	$	49.60	$	49.60	$	50.08	$	50.08	$	0.15	$	50.36
$	45.51	$	44.75	$	45.04	$	45.04	$	45.52	$	45.52	$	0.15	$	45.81
$	38.36	$	37.61	$	37.90	$	37.90	$	38.38	$	38.38	$	0.15	$	38.66
$	38.60	$	37.85	$	38.14	$	38.14	$	38.62	$	38.62	$	0.15	$	38.90
$	38.44	$	37.69	$	37.98	$	37.98	$	38.46	$	38.46	$	0.15	$	38.74
$	39.23	$	38.47	$	38.76	$	38.76	$	39.24	$	39.24	$	0.15	$	39.53
$	56.25	$	55.50	$	55.79	$	55.79	$	56.27	$	56.27	$	0.15	$	56.55
$	52.42	$	51.66	$	51.95	$	51.95	$	52.43	$	52.43	$	0.15	$	52.72
$	43.24	$	42.49	$	42.78	$	42.78	$	43.26	$	43.26	$	0.15	$	43.54
$	39.33	$	38.57	$	38.86	$	38.86	$	39.34	$	39.34	$	0.15	$	39.63
$	40.68	$	39.93	$	40.22	$	40.22	$	40.70	$	40.70	$	0.15	$	40.98
$	40.36	$	39.61	$	39.90	$	39.90	$	40.38	$	40.38	$	0.15	$	40.66
$	50.90	$	50.15	$	50.44	$	50.44	$	50.92	$	50.92	$	0.15	$	51.20
$	46.27	$	45.52	$	45.81	$	45.81	$	46.29	$	46.29	$	0.15	$	46.57
$	39.01	$	38.26	$	38.55	$	38.55	$	39.03	$	39.03	$	0.15	$	39.31
$	39.25	$	38.49	$	38.78	$	38.78	$	39.26	$	39.26	$	0.15	$	39.55
$	39.09	$	38.33	$	38.62	$	38.62	$	39.10	$	39.10	$	0.15	$	39.39
$	39.89	$	39.13	$	39.42	$	39.42	$	39.90	$	39.90	$	0.15	$	40.19
$	57.70	$	56.94	$	57.23	$	57.23	$	57.71	$	57.71	$	0.15	$	58.00
$	53.77	$	53.01	$	53.30	$	53.30	$	53.78	$	53.78	$	0.15	$	54.07
$	44.35	$	43.60	$	43.89	$	43.89	$	44.37	$	44.37	$	0.15	$	44.65
$	40.34	$	39.58	$	39.87	$	39.87	$	40.35	$	40.35	$	0.15	$	40.64
$	41.73	$	40.98	$	41.27	$	41.27	$	41.75	$	41.75	$	0.15	$	42.03
$	41.40	$	40.65	$	40.94	$	40.94	$	41.42	$	41.42	$	0.15	$	41.70
$	52.21	$	51.46	$	51.75	$	51.75	$	52.23	$	52.23	$	0.15	$	52.51

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$	59.31	$	58.55	$	58.84	$	58.84	$	59.32	$	59.32	$	0.15	$	59.61
$	53.91	$	53.15	$	53.44	$	53.44	$	53.92	$	53.92	$	0.15	$	54.21
$	45.44	$	44.68	$	44.97	$	44.97	$	45.45	$	45.45	$	0.15	$	45.74
$	45.72	$	44.96	$	45.25	$	45.25	$	45.73	$	45.73	$	0.15	$	46.02
$	45.53	$	44.78	$	45.07	$	45.07	$	45.55	$	45.55	$	0.15	$	45.83
$	46.46	$	45.71	$	46.00	$	46.00	$	46.48	$	46.48	$	0.15	$	46.76
$	66.07	$	65.32	$	65.61	$	65.61	$	66.09	$	66.09	$	0.15	$	66.37
$	61.56	$	60.81	$	61.10	$	61.10	$	61.58	$	61.58	$	0.15	$	61.86
$	50.77	$	50.02	$	50.31	$	50.31	$	50.79	$	50.79	$	0.15	$	51.07
$	46.18	$	45.42	$	45.71	$	45.71	$	46.19	$	46.19	$	0.15	$	46.48
$	47.77	$	47.02	$	47.31	$	47.31	$	47.79	$	47.79	$	0.15	$	48.07
$	47.40	$	46.64	$	46.93	$	46.93	$	47.41	$	47.41	$	0.15	$	47.70
$	59.78	$	59.03	$	59.32	$	59.32	$	59.80	$	59.80	$	0.15	$	60.08
$	54.34	$	53.59	$	53.88	$	53.88	$	54.36	$	54.36	$	0.15	$	54.64
$	45.80	$	45.05	$	45.34	$	45.34	$	45.82	$	45.82	$	0.15	$	46.10
$	46.08	$	45.33	$	45.62	$	45.62	$	46.10	$	46.10	$	0.15	$	46.38
$	45.90	$	45.14	$	45.43	$	45.43	$	45.91	$	45.91	$	0.15	$	46.20
$	46.83	$	46.08	$	46.37	$	46.37	$	46.85	$	46.85	$	0.15	$	47.13
$	67.76	$	67.01	$	67.30	$	67.30	$	67.78	$	67.78	$	0.15	$	68.06
$	63.14	$	62.39	$	62.68	$	62.68	$	63.16	$	63.16	$	0.15	$	63.44
$	52.08	$	51.32	$	51.61	$	51.61	$	52.09	$	52.09	$	0.15	$	52.38
$	47.36	$	46.61	$	46.90	$	46.90	$	47.38	$	47.38	$	0.15	$	47.66
$	49.00	$	48.24	$	48.53	$	48.53	$	49.01	$	49.01	$	0.15	$	49.30
$	48.61	$	47.86	$	48.15	$	48.15	$	48.63	$	48.63	$	0.15	$	48.91
$	61.32	$	60.56	$	60.85	$	60.85	$	61.33	$	61.33	$	0.15	$	61.62
$	55.73	$	54.98	$	55.27	$	55.27	$	55.75	$	55.75	$	0.15	$	56.03
$	46.98	$	46.22	$	46.51	$	46.51	$	46.99	$	46.99	$	0.15	$	47.28
$	47.26	$	46.51	$	46.80	$	46.80	$	47.28	$	47.28	$	0.15	$	47.56
$	47.07	$	46.32	$	46.61	$	46.61	$	47.09	$	47.09	$	0.15	$	47.37
$	48.03	$	47.28	$	47.57	$	47.57	$	48.05	$	48.05	$	0.15	$	48.33
$	69.55	$	68.80	$	69.09	$	69.09	$	69.57	$	69.57	$	0.15	$	69.85
$	64.81	$	64.06	$	64.35	$	64.35	$	64.83	$	64.83	$	0.15	$	65.11
$	53.45	$	52.70	$	52.99	$	52.99	$	53.47	$	53.47	$	0.15	$	53.75
$	48.61	$	47.86	$	48.15	$	48.15	$	48.63	$	48.63	$	0.15	$	48.91
$	50.29	$	49.54	$	49.83	$	49.83	$	50.31	$	50.31	$	0.15	$	50.59
$	49.89	$	49.14	$	49.43	$	49.43	$	49.91	$	49.91	$	0.15	$	50.19
$	62.94	$	62.18	$	62.47	$	62.47	$	62.95	$	62.95	$	0.15	$	63.24
$	57.20	$	56.45	$	56.74	$	56.74	$	57.22	$	57.22	$	0.15	$	57.50
$	48.21	$	47.46	$	47.75	$	47.75	$	48.23	$	48.23	$	0.15	$	48.51
$	48.51	$	47.76	$	48.05	$	48.05	$	48.53	$	48.53	$	0.15	$	48.81
$	48.31	$	47.56	$	47.85	$	47.85	$	48.33	$	48.33	$	0.15	$	48.61
$	49.30	$	48.55	$	48.84	$	48.84	$	49.32	$	49.32	$	0.15	$	49.60
$	71.14	$	70.38	$	70.67	$	70.67	$	71.15	$	71.15	$	0.15	$	71.44
$	66.29	$	65.53	$	65.82	$	65.82	$	66.30	$	66.30	$	0.15	$	66.59
$	54.66	$	53.91	$	54.20	$	54.20	$	54.68	$	54.68	$	0.15	$	54.96
$	49.71	$	48.96	$	49.25	$	49.25	$	49.73	$	49.73	$	0.15	$	50.01
$	51.43	$	50.68	$	50.97	$	50.97	$	51.45	$	51.45	$	0.15	$	51.73

$	51.03	$	50.27	$	50.56	$	50.56	$	51.04	$	51.04	$	0.15	$	51.33
$	64.37	$	63.61	$	63.90	$	63.90	$	64.38	$	64.38	$	0.15	$	64.67
$	58.50	$	57.75	$	58.04	$	58.04	$	58.52	$	58.52	$	0.15	$	58.80
$	49.31	$	48.56	$	48.85	$	48.85	$	49.33	$	49.33	$	0.15	$	49.61
$	49.61	$	48.86	$	49.15	$	49.15	$	49.63	$	49.63	$	0.15	$	49.91
$	49.41	$	48.66	$	48.95	$	48.95	$	49.43	$	49.43	$	0.15	$	49.71
$	50.42	$	49.67	$	49.96	$	49.96	$	50.44	$	50.44	$	0.15	$	50.72
$	71.74	$	70.99	$	71.28	$	71.28	$	71.76	$	71.76	$	0.15	$	72.04
$	66.85	$	66.09	$	66.38	$	66.38	$	66.86	$	66.86	$	0.15	$	67.15
$	55.13	$	54.37	$	54.66	$	54.66	$	55.14	$	55.14	$	0.15	$	55.43
$	50.13	$	49.38	$	49.67	$	49.67	$	50.15	$	50.15	$	0.15	$	50.43
$	51.86	$	51.11	$	51.40	$	51.40	$	51.88	$	51.88	$	0.15	$	52.16
$	51.46	$	50.70	$	50.99	$	50.99	$	51.47	$	51.47	$	0.15	$	51.76
$	64.91	$	64.16	$	64.45	$	64.45	$	64.93	$	64.93	$	0.15	$	65.21
$	59.00	$	58.25	$	58.54	$	58.54	$	59.02	$	59.02	$	0.15	$	59.30
$	49.72	$	48.97	$	49.26	$	49.26	$	49.74	$	49.74	$	0.15	$	50.02
$	50.03	$	49.28	$	49.57	$	49.57	$	50.05	$	50.05	$	0.15	$	50.33
$	49.83	$	49.07	$	49.36	$	49.36	$	49.84	$	49.84	$	0.15	$	50.13
$	50.85	$	50.09	$	50.38	$	50.38	$	50.86	$	50.86	$	0.15	$	51.15



	off peak
Sep-16	$ 14.11
Oct-16	$ 16.77
Nov-16	$ 16.05
Dec-16	$ 16.85
Jan-17	$ 25.25
Feb-17	$ 22.00
Mar-17	$ 17.90
Apr-17	$ 14.00
May-17	$ 15.95
Jun-17	$ 15.55
Jul-17	$ 17.85
Aug-17	$ 15.55
Sep-17	$ 16.10
Oct-17	$ 17.05
Nov-17	$ 16.30
Dec-17	$ 19.95
Jan-18	$ 26.45
Feb-18	$ 24.10
Mar-18	$ 19.55
Apr-18	$ 18.45
May-18	$ 14.55
Jun-18	$ 15.20
Jul-18	$ 16.85
Aug-18	$ 16.50
Sep-18	$ 14.50
Oct-18	$ 16.10
Nov-18	$ 16.95
Dec-18	$ 17.70
Jan-19	$ 28.93
Feb-19	$ 26.36
Mar-19	$ 21.38
Apr-19	$ 20.18
May-19	$ 15.91
Jun-19	$ 16.62
Jul-19	$ 18.43

EIA Escalation	
2019	9%
2020	9%
2021	5%
2022	4%
2023	6%
2024	5%
2025	5%
2026	2%
2027	0%
2028	1%
2029	1%
2030	2%
2031	3%
2032	5%
2033	3%
2034	3%
2035	2%
2036	1%
2037	3%
2038	3%
2039	2%
2040	1%

Location
SPP North
Aberdeen 1
Aberdeen 2
Beethoven
Big Stone
Coyote
Huron 1
Huron 2
Neal 4
Oak Tree
Titan
Load

Aug-19	$	18.04
Sep-19	$	15.86
Oct-19	$	17.61
Nov-19	$	18.54
Dec-19	$	19.36
Jan-20	$	31.52
Feb-20	$	28.72
Mar-20	$	23.30
Apr-20	$	21.99
May-20	$	17.34
Jun-20	$	18.12
Jul-20	$	20.08
Aug-20	$	19.67
Sep-20	$	17.28
Oct-20	$	19.19
Nov-20	$	20.20
Dec-20	$	21.10
Jan-21	$	33.08
Feb-21	$	30.14
Mar-21	$	24.45
Apr-21	$	23.08
May-21	$	18.20
Jun-21	$	19.01
Jul-21	$	21.08
Aug-21	$	20.64
Sep-21	$	18.14
Oct-21	$	20.14
Nov-21	$	21.20
Dec-21	$	22.14
Jan-22	$	34.26
Feb-22	$	31.21
Mar-22	$	25.32
Apr-22	$	23.90
May-22	$	18.85
Jun-22	$	19.69
Jul-22	$	21.82
Aug-22	$	21.37
Sep-22	$	18.78
Oct-22	$	20.85
Nov-22	$	21.95
Dec-22	$	22.92
Jan-23	$	36.38
Feb-23	$	33.15
Mar-23	$	26.89
Apr-23	$	25.38
May-23	$	20.01
Jun-23	$	20.91

Jul-23	$	23.18
Aug-23	$	22.70
Sep-23	$	19.94
Oct-23	$	22.15
Nov-23	$	23.31
Dec-23	$	24.35
Jan-24	$	38.05
Feb-24	$	34.67
Mar-24	$	28.13
Apr-24	$	26.54
May-24	$	20.93
Jun-24	$	21.87
Jul-24	$	24.24
Aug-24	$	23.74
Sep-24	$	20.86
Oct-24	$	23.16
Nov-24	$	24.39
Dec-24	$	25.47
Jan-25	$	39.88
Feb-25	$	36.34
Mar-25	$	29.48
Apr-25	$	27.82
May-25	$	21.94
Jun-25	$	22.92
Jul-25	$	25.41
Aug-25	$	24.88
Sep-25	$	21.86
Oct-25	$	24.28
Nov-25	$	25.56
Dec-25	$	26.69
Jan-26	$	40.64
Feb-26	$	37.03
Mar-26	$	30.04
Apr-26	$	28.35
May-26	$	22.36
Jun-26	$	23.36
Jul-26	$	25.89
Aug-26	$	25.35
Sep-26	$	22.28
Oct-26	$	24.74
Nov-26	$	26.04
Dec-26	$	27.20
Jan-27	$	40.64
Feb-27	$	37.03
Mar-27	$	30.04
Apr-27	$	28.35
May-27	$	22.36

Jun-27	$	23.36
Jul-27	$	25.89
Aug-27	$	25.35
Sep-27	$	22.28
Oct-27	$	24.74
Nov-27	$	26.05
Dec-27	$	27.20
Jan-28	$	41.07
Feb-28	$	37.42
Mar-28	$	30.36
Apr-28	$	28.65
May-28	$	22.59
Jun-28	$	23.60
Jul-28	$	26.16
Aug-28	$	25.62
Sep-28	$	22.52
Oct-28	$	25.00
Nov-28	$	26.32
Dec-28	$	27.48
Jan-29	$	41.52
Feb-29	$	37.83
Mar-29	$	30.69
Apr-29	$	28.96
May-29	$	22.84
Jun-29	$	23.86
Jul-29	$	26.45
Aug-29	$	25.90
Sep-29	$	22.76
Oct-29	$	25.27
Nov-29	$	26.61
Dec-29	$	27.79
Jan-30	$	42.22
Feb-30	$	38.47
Mar-30	$	31.21
Apr-30	$	29.45
May-30	$	23.23
Jun-30	$	24.27
Jul-30	$	26.90
Aug-30	$	26.34
Sep-30	$	23.15
Oct-30	$	25.70
Nov-30	$	27.06
Dec-30	$	28.26
Jan-31	$	43.32
Feb-31	$	39.47
Mar-31	$	32.02
Apr-31	$	30.22

May-31	$	23.83
Jun-31	$	24.89
Jul-31	$	27.59
Aug-31	$	27.02
Sep-31	$	23.75
Oct-31	$	26.37
Nov-31	$	27.76
Dec-31	$	28.99
Jan-32	$	45.27
Feb-32	$	41.25
Mar-32	$	33.46
Apr-32	$	31.58
May-32	$	24.90
Jun-32	$	26.02
Jul-32	$	28.84
Aug-32	$	28.24
Sep-32	$	24.82
Oct-32	$	27.56
Nov-32	$	29.01
Dec-32	$	30.30
Jan-33	$	46.71
Feb-33	$	42.56
Mar-33	$	34.53
Apr-33	$	32.59
May-33	$	25.70
Jun-33	$	26.85
Jul-33	$	29.76
Aug-33	$	29.14
Sep-33	$	25.61
Oct-33	$	28.43
Nov-33	$	29.94
Dec-33	$	31.26
Jan-34	$	48.17
Feb-34	$	43.89
Mar-34	$	35.61
Apr-34	$	33.60
May-34	$	26.50
Jun-34	$	27.68
Jul-34	$	30.69
Aug-34	$	30.05
Sep-34	$	26.41
Oct-34	$	29.32
Nov-34	$	30.87
Dec-34	$	32.24
Jan-35	$	49.24
Feb-35	$	44.86
Mar-35	$	36.39

Apr-35	$	34.35
May-35	$	27.09
Jun-35	$	28.30
Jul-35	$	31.37
Aug-35	$	30.72
Sep-35	$	26.99
Oct-35	$	29.97
Nov-35	$	31.55
Dec-35	$	32.95
Jan-36	$	49.64
Feb-36	$	45.23
Mar-36	$	36.69
Apr-36	$	34.62
May-36	$	27.30
Jun-36	$	28.52
Jul-36	$	31.62
Aug-36	$	30.96
Sep-36	$	27.21
Oct-36	$	30.21
Nov-36	$	31.81
Dec-36	$	33.22
Jan-37	$	50.92
Feb-37	$	46.39
Mar-37	$	37.63
Apr-37	$	35.52
May-37	$	28.01
Jun-37	$	29.26
Jul-37	$	32.44
Aug-37	$	31.76
Sep-37	$	27.91
Oct-37	$	30.99
Nov-37	$	32.63
Dec-37	$	34.07
01/01/2038	$	52.27
02/01/2038	$	47.62
03/01/2038	$	38.63
04/01/2038	$	36.46
05/01/2038	$	28.75
06/01/2038	$	30.04
07/01/2038	$	33.30
08/01/2038	$	32.60
09/01/2038	$	28.65
10/01/2038	$	31.81
11/01/2038	$	33.49
12/01/2038	$	34.98
01/01/2039	$	53.46
02/01/2039	$	48.71

03/01/2039	$	39.51
04/01/2039	$	37.29
05/01/2039	$	29.41
06/01/2039	$	30.72
07/01/2039	$	34.06
08/01/2039	$	33.35
09/01/2039	$	29.31
10/01/2039	$	32.54
11/01/2039	$	34.26
12/01/2039	$	35.77
01/01/2040	$	53.91
02/01/2040	$	49.12
03/01/2040	$	39.85
04/01/2040	$	37.61
05/01/2040	$	29.66
06/01/2040	$	30.98
07/01/2040	$	34.35
08/01/2040	$	33.63
09/01/2040	$	29.56
10/01/2040	$	32.82
11/01/2040	$	34.55
12/01/2040	$	36.08

~~DA Basis~~ vs. North Hub 10-5-Hub
$ 0.32
$ 0.32
$ 0.19
$ 0.29
$ (0.46)
$ (0.17)
$ (0.17)
$ 0.31
$ 0.31
$ (0.17)
$ 0.27

STARTDATE	ENDDATE	SPP off pk	Aberdeen 1	Aberdeen 2
1/1/2017 12:00:00 AM	2/1/2017 12:00:00 AM	$ 25.25	$ 25.58	$ 25.58
2/1/2017 12:00:00 AM	3/1/2017 12:00:00 AM	$ 22.00	$ 22.33	$ 22.33
3/1/2017 12:00:00 AM	4/1/2017 12:00:00 AM	$ 17.90	$ 18.23	$ 18.23
4/1/2017 12:00:00 AM	5/1/2017 12:00:00 AM	$ 14.00	$ 14.33	$ 14.33
5/1/2017 12:00:00 AM	6/1/2017 12:00:00 AM	$ 15.95	$ 16.28	$ 16.28
6/1/2017 12:00:00 AM	7/1/2017 12:00:00 AM	$ 15.55	$ 15.88	$ 15.88
7/1/2017 12:00:00 AM	8/1/2017 12:00:00 AM	$ 17.85	$ 18.18	$ 18.18
8/1/2017 12:00:00 AM	9/1/2017 12:00:00 AM	$ 15.55	$ 15.88	$ 15.88
9/1/2017 12:00:00 AM	10/1/2017 12:00:00 AM	$ 16.10	$ 16.43	$ 16.43
10/1/2017 12:00:00 AM	11/1/2017 12:00:00 AM	$ 17.05	$ 17.38	$ 17.38
11/1/2017 12:00:00 AM	12/1/2017 12:00:00 AM	$ 16.30	$ 16.63	$ 16.63
12/1/2017 12:00:00 AM	1/1/2018 12:00:00 AM	$ 19.95	$ 20.28	$ 20.28
1/1/2018 12:00:00 AM	2/1/2018 12:00:00 AM	$ 26.45	$ 26.78	$ 26.78
2/1/2018 12:00:00 AM	3/1/2018 12:00:00 AM	$ 24.10	$ 24.43	$ 24.43
3/1/2018 12:00:00 AM	4/1/2018 12:00:00 AM	$ 19.55	$ 19.88	$ 19.88
4/1/2018 12:00:00 AM	5/1/2018 12:00:00 AM	$ 18.45	$ 18.78	$ 18.78
5/1/2018 12:00:00 AM	6/1/2018 12:00:00 AM	$ 14.55	$ 14.88	$ 14.88
6/1/2018 12:00:00 AM	7/1/2018 12:00:00 AM	$ 15.20	$ 15.53	$ 15.53
7/1/2018 12:00:00 AM	8/1/2018 12:00:00 AM	$ 16.85	$ 17.18	$ 17.18
8/1/2018 12:00:00 AM	9/1/2018 12:00:00 AM	$ 16.50	$ 16.83	$ 16.83
9/1/2018 12:00:00 AM	10/1/2018 12:00:00 AM	$ 14.50	$ 14.83	$ 14.83
10/1/2018 12:00:00 AM	11/1/2018 12:00:00 AM	$ 16.10	$ 16.43	$ 16.43
11/1/2018 12:00:00 AM	12/1/2018 12:00:00 AM	$ 16.95	$ 17.28	$ 17.28
12/1/2018 12:00:00 AM	1/1/2019 12:00:00 AM	$ 17.70	$ 18.03	$ 18.03
1/1/2019 12:00:00 AM	2/1/2019 12:00:00 AM	$ 28.93	$ 29.25	$ 29.25
2/1/2019 12:00:00 AM	3/1/2019 12:00:00 AM	$ 26.36	$ 26.68	$ 26.68
3/1/2019 12:00:00 AM	4/1/2019 12:00:00 AM	$ 21.38	$ 21.70	$ 21.70
4/1/2019 12:00:00 AM	5/1/2019 12:00:00 AM	$ 20.18	$ 20.50	$ 20.50
5/1/2019 12:00:00 AM	6/1/2019 12:00:00 AM	$ 15.91	$ 16.24	$ 16.24
6/1/2019 12:00:00 AM	7/1/2019 12:00:00 AM	$ 16.62	$ 16.95	$ 16.95
7/1/2019 12:00:00 AM	8/1/2019 12:00:00 AM	$ 18.43	$ 18.75	$ 18.75
8/1/2019 12:00:00 AM	9/1/2019 12:00:00 AM	$ 18.04	$ 18.37	$ 18.37
9/1/2019 12:00:00 AM	10/1/2019 12:00:00 AM	$ 15.86	$ 16.18	$ 16.18
10/1/2019 12:00:00 AM	11/1/2019 12:00:00 AM	$ 17.61	$ 17.93	$ 17.93

11/1/2019 12:00:00 AM	12/1/2019 12:00:00 AM	$ 18.54	$ 18.86	$ 18.86
12/1/2019 12:00:00 AM	1/1/2020 12:00:00 AM	$ 19.36	$ 19.68	$ 19.68
1/1/2020 12:00:00 AM	2/1/2020 12:00:00 AM	$ 31.52	$ 31.85	$ 31.85
2/1/2020 12:00:00 AM	3/1/2020 12:00:00 AM	$ 28.72	$ 29.05	$ 29.05
3/1/2020 12:00:00 AM	4/1/2020 12:00:00 AM	$ 23.30	$ 23.63	$ 23.63
4/1/2020 12:00:00 AM	5/1/2020 12:00:00 AM	$ 21.99	$ 22.31	$ 22.31
5/1/2020 12:00:00 AM	6/1/2020 12:00:00 AM	$ 17.34	$ 17.67	$ 17.67
6/1/2020 12:00:00 AM	7/1/2020 12:00:00 AM	$ 18.12	$ 18.44	$ 18.44
7/1/2020 12:00:00 AM	8/1/2020 12:00:00 AM	$ 20.08	$ 20.41	$ 20.41
8/1/2020 12:00:00 AM	9/1/2020 12:00:00 AM	$ 19.67	$ 19.99	$ 19.99
9/1/2020 12:00:00 AM	10/1/2020 12:00:00 AM	$ 17.28	$ 17.61	$ 17.61
10/1/2020 12:00:00 AM	11/1/2020 12:00:00 AM	$ 19.19	$ 19.51	$ 19.51
11/1/2020 12:00:00 AM	12/1/2020 12:00:00 AM	$ 20.20	$ 20.53	$ 20.53
12/1/2020 12:00:00 AM	1/1/2021 12:00:00 AM	$ 21.10	$ 21.42	$ 21.42
1/1/2021 12:00:00 AM	2/1/2021 12:00:00 AM	$ 33.08	$ 33.41	$ 33.41
2/1/2021 12:00:00 AM	3/1/2021 12:00:00 AM	$ 30.14	$ 30.47	$ 30.47
3/1/2021 12:00:00 AM	4/1/2021 12:00:00 AM	$ 24.45	$ 24.78	$ 24.78
4/1/2021 12:00:00 AM	5/1/2021 12:00:00 AM	$ 23.08	$ 23.40	$ 23.40
5/1/2021 12:00:00 AM	6/1/2021 12:00:00 AM	$ 18.20	$ 18.52	$ 18.52
6/1/2021 12:00:00 AM	7/1/2021 12:00:00 AM	$ 19.01	$ 19.34	$ 19.34
7/1/2021 12:00:00 AM	8/1/2021 12:00:00 AM	$ 21.08	$ 21.40	$ 21.40
8/1/2021 12:00:00 AM	9/1/2021 12:00:00 AM	$ 20.64	$ 20.96	$ 20.96
9/1/2021 12:00:00 AM	10/1/2021 12:00:00 AM	$ 18.14	$ 18.46	$ 18.46
10/1/2021 12:00:00 AM	11/1/2021 12:00:00 AM	$ 20.14	$ 20.46	$ 20.46
11/1/2021 12:00:00 AM	12/1/2021 12:00:00 AM	$ 21.20	$ 21.53	$ 21.53
12/1/2021 12:00:00 AM	1/1/2022 12:00:00 AM	$ 22.14	$ 22.46	$ 22.46
1/1/2022 12:00:00 AM	2/1/2022 12:00:00 AM	$ 34.26	$ 34.58	$ 34.58
2/1/2022 12:00:00 AM	3/1/2022 12:00:00 AM	$ 31.21	$ 31.54	$ 31.54
3/1/2022 12:00:00 AM	4/1/2022 12:00:00 AM	$ 25.32	$ 25.65	$ 25.65
4/1/2022 12:00:00 AM	5/1/2022 12:00:00 AM	$ 23.90	$ 24.22	$ 24.22
5/1/2022 12:00:00 AM	6/1/2022 12:00:00 AM	$ 18.85	$ 19.17	$ 19.17
6/1/2022 12:00:00 AM	7/1/2022 12:00:00 AM	$ 19.69	$ 20.01	$ 20.01
7/1/2022 12:00:00 AM	8/1/2022 12:00:00 AM	$ 21.82	$ 22.15	$ 22.15
8/1/2022 12:00:00 AM	9/1/2022 12:00:00 AM	$ 21.37	$ 21.70	$ 21.70
9/1/2022 12:00:00 AM	10/1/2022 12:00:00 AM	$ 18.78	$ 19.11	$ 19.11
10/1/2022 12:00:00 AM	11/1/2022 12:00:00 AM	$ 20.85	$ 21.18	$ 21.18
11/1/2022 12:00:00 AM	12/1/2022 12:00:00 AM	$ 21.95	$ 22.28	$ 22.28
12/1/2022 12:00:00 AM	1/1/2023 12:00:00 AM	$ 22.92	$ 23.25	$ 23.25
1/1/2023 12:00:00 AM	2/1/2023 12:00:00 AM	$ 36.38	$ 36.71	$ 36.71
2/1/2023 12:00:00 AM	3/1/2023 12:00:00 AM	$ 33.15	$ 33.47	$ 33.47
3/1/2023 12:00:00 AM	4/1/2023 12:00:00 AM	$ 26.89	$ 27.22	$ 27.22
4/1/2023 12:00:00 AM	5/1/2023 12:00:00 AM	$ 25.38	$ 25.70	$ 25.70
5/1/2023 12:00:00 AM	6/1/2023 12:00:00 AM	$ 20.01	$ 20.34	$ 20.34
6/1/2023 12:00:00 AM	7/1/2023 12:00:00 AM	$ 20.91	$ 21.23	$ 21.23
7/1/2023 12:00:00 AM	8/1/2023 12:00:00 AM	$ 23.18	$ 23.50	$ 23.50
8/1/2023 12:00:00 AM	9/1/2023 12:00:00 AM	$ 22.70	$ 23.02	$ 23.02
9/1/2023 12:00:00 AM	10/1/2023 12:00:00 AM	$ 19.94	$ 20.27	$ 20.27

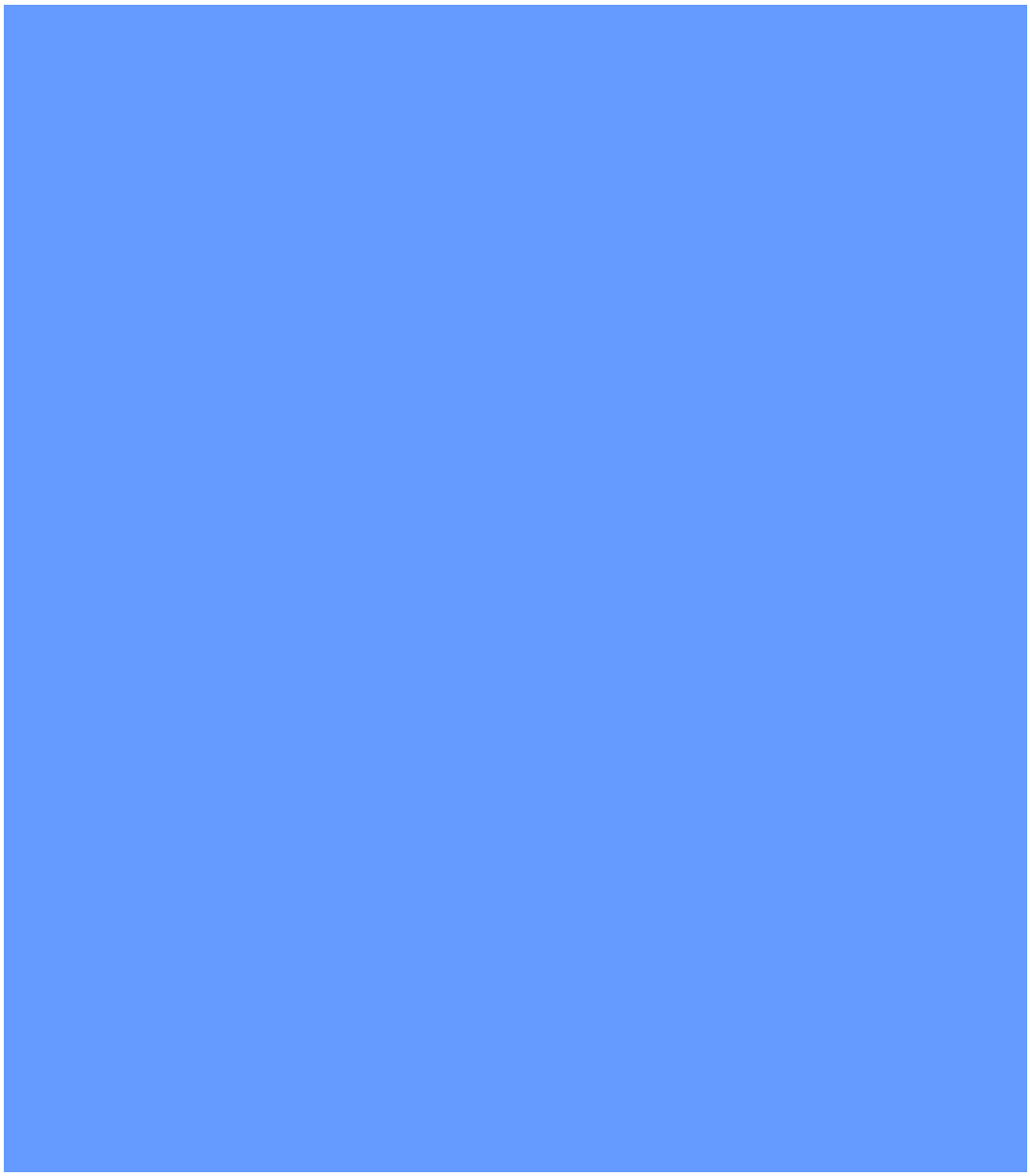
10/1/2023 12:00:00 AM	11/1/2023 12:00:00 AM	$ 22.15	$ 22.47	$ 22.47
11/1/2023 12:00:00 AM	12/1/2023 12:00:00 AM	$ 23.31	$ 23.64	$ 23.64
12/1/2023 12:00:00 AM	1/1/2024 12:00:00 AM	$ 24.35	$ 24.67	$ 24.67
1/1/2024 12:00:00 AM	2/1/2024 12:00:00 AM	$ 38.05	$ 38.38	$ 38.38
2/1/2024 12:00:00 AM	3/1/2024 12:00:00 AM	$ 34.67	$ 35.00	$ 35.00
3/1/2024 12:00:00 AM	4/1/2024 12:00:00 AM	$ 28.13	$ 28.45	$ 28.45
4/1/2024 12:00:00 AM	5/1/2024 12:00:00 AM	$ 26.54	$ 26.87	$ 26.87
5/1/2024 12:00:00 AM	6/1/2024 12:00:00 AM	$ 20.93	$ 21.26	$ 21.26
6/1/2024 12:00:00 AM	7/1/2024 12:00:00 AM	$ 21.87	$ 22.19	$ 22.19
7/1/2024 12:00:00 AM	8/1/2024 12:00:00 AM	$ 24.24	$ 24.57	$ 24.57
8/1/2024 12:00:00 AM	9/1/2024 12:00:00 AM	$ 23.74	$ 24.06	$ 24.06
9/1/2024 12:00:00 AM	10/1/2024 12:00:00 AM	$ 20.86	$ 21.19	$ 21.19
10/1/2024 12:00:00 AM	11/1/2024 12:00:00 AM	$ 23.16	$ 23.49	$ 23.49
11/1/2024 12:00:00 AM	12/1/2024 12:00:00 AM	$ 24.39	$ 24.71	$ 24.71
12/1/2024 12:00:00 AM	1/1/2025 12:00:00 AM	$ 25.47	$ 25.79	$ 25.79
1/1/2025 12:00:00 AM	2/1/2025 12:00:00 AM	$ 39.88	$ 40.21	$ 40.21
2/1/2025 12:00:00 AM	3/1/2025 12:00:00 AM	$ 36.34	$ 36.66	$ 36.66
3/1/2025 12:00:00 AM	4/1/2025 12:00:00 AM	$ 29.48	$ 29.80	$ 29.80
4/1/2025 12:00:00 AM	5/1/2025 12:00:00 AM	$ 27.82	$ 28.14	$ 28.14
5/1/2025 12:00:00 AM	6/1/2025 12:00:00 AM	$ 21.94	$ 22.26	$ 22.26
6/1/2025 12:00:00 AM	7/1/2025 12:00:00 AM	$ 22.92	$ 23.24	$ 23.24
7/1/2025 12:00:00 AM	8/1/2025 12:00:00 AM	$ 25.41	$ 25.73	$ 25.73
8/1/2025 12:00:00 AM	9/1/2025 12:00:00 AM	$ 24.88	$ 25.20	$ 25.20
9/1/2025 12:00:00 AM	10/1/2025 12:00:00 AM	$ 21.86	$ 22.19	$ 22.19
10/1/2025 12:00:00 AM	11/1/2025 12:00:00 AM	$ 24.28	$ 24.60	$ 24.60
11/1/2025 12:00:00 AM	12/1/2025 12:00:00 AM	$ 25.56	$ 25.88	$ 25.88
12/1/2025 12:00:00 AM	1/1/2026 12:00:00 AM	$ 26.69	$ 27.01	$ 27.01
1/1/2026 12:00:00 AM	2/1/2026 12:00:00 AM	$ 40.64	$ 40.97	$ 40.97
2/1/2026 12:00:00 AM	3/1/2026 12:00:00 AM	$ 37.03	$ 37.36	$ 37.36
3/1/2026 12:00:00 AM	4/1/2026 12:00:00 AM	$ 30.04	$ 30.36	$ 30.36
4/1/2026 12:00:00 AM	5/1/2026 12:00:00 AM	$ 28.35	$ 28.67	$ 28.67
5/1/2026 12:00:00 AM	6/1/2026 12:00:00 AM	$ 22.36	$ 22.68	$ 22.68
6/1/2026 12:00:00 AM	7/1/2026 12:00:00 AM	$ 23.36	$ 23.68	$ 23.68
7/1/2026 12:00:00 AM	8/1/2026 12:00:00 AM	$ 25.89	$ 26.22	$ 26.22
8/1/2026 12:00:00 AM	9/1/2026 12:00:00 AM	$ 25.35	$ 25.68	$ 25.68
9/1/2026 12:00:00 AM	10/1/2026 12:00:00 AM	$ 22.28	$ 22.60	$ 22.60
10/1/2026 12:00:00 AM	11/1/2026 12:00:00 AM	$ 24.74	$ 25.06	$ 25.06
11/1/2026 12:00:00 AM	12/1/2026 12:00:00 AM	$ 26.04	$ 26.37	$ 26.37
12/1/2026 12:00:00 AM	1/1/2027 12:00:00 AM	$ 27.20	$ 27.52	$ 27.52
1/1/2027 12:00:00 AM	2/1/2027 12:00:00 AM	$ 40.64	$ 40.97	$ 40.97
2/1/2027 12:00:00 AM	3/1/2027 12:00:00 AM	$ 37.03	$ 37.36	$ 37.36
3/1/2027 12:00:00 AM	4/1/2027 12:00:00 AM	$ 30.04	$ 30.37	$ 30.37
4/1/2027 12:00:00 AM	5/1/2027 12:00:00 AM	$ 28.35	$ 28.68	$ 28.68
5/1/2027 12:00:00 AM	6/1/2027 12:00:00 AM	$ 22.36	$ 22.68	$ 22.68
6/1/2027 12:00:00 AM	7/1/2027 12:00:00 AM	$ 23.36	$ 23.68	$ 23.68
7/1/2027 12:00:00 AM	8/1/2027 12:00:00 AM	$ 25.89	$ 26.22	$ 26.22
8/1/2027 12:00:00 AM	9/1/2027 12:00:00 AM	$ 25.35	$ 25.68	$ 25.68

9/1/2027 12:00:00 AM	10/1/2027 12:00:00 AM	$ 22.28	$ 22.61	$ 22.61
10/1/2027 12:00:00 AM	11/1/2027 12:00:00 AM	$ 24.74	$ 25.06	$ 25.06
11/1/2027 12:00:00 AM	12/1/2027 12:00:00 AM	$ 26.05	$ 26.37	$ 26.37
12/1/2027 12:00:00 AM	1/1/2028 12:00:00 AM	$ 27.20	$ 27.52	$ 27.52
1/1/2028 12:00:00 AM	2/1/2028 12:00:00 AM	$ 41.07	$ 41.40	$ 41.40
2/1/2028 12:00:00 AM	3/1/2028 12:00:00 AM	$ 37.42	$ 37.75	$ 37.75
3/1/2028 12:00:00 AM	4/1/2028 12:00:00 AM	$ 30.36	$ 30.68	$ 30.68
4/1/2028 12:00:00 AM	5/1/2028 12:00:00 AM	$ 28.65	$ 28.97	$ 28.97
5/1/2028 12:00:00 AM	6/1/2028 12:00:00 AM	$ 22.59	$ 22.92	$ 22.92
6/1/2028 12:00:00 AM	7/1/2028 12:00:00 AM	$ 23.60	$ 23.93	$ 23.93
7/1/2028 12:00:00 AM	8/1/2028 12:00:00 AM	$ 26.16	$ 26.49	$ 26.49
8/1/2028 12:00:00 AM	9/1/2028 12:00:00 AM	$ 25.62	$ 25.95	$ 25.95
9/1/2028 12:00:00 AM	10/1/2028 12:00:00 AM	$ 22.52	$ 22.84	$ 22.84
10/1/2028 12:00:00 AM	11/1/2028 12:00:00 AM	$ 25.00	$ 25.33	$ 25.33
11/1/2028 12:00:00 AM	12/1/2028 12:00:00 AM	$ 26.32	$ 26.65	$ 26.65
12/1/2028 12:00:00 AM	1/1/2029 12:00:00 AM	$ 27.48	$ 27.81	$ 27.81
1/1/2029 12:00:00 AM	2/1/2029 12:00:00 AM	$ 41.52	$ 41.85	$ 41.85
2/1/2029 12:00:00 AM	3/1/2029 12:00:00 AM	$ 37.83	$ 38.16	$ 38.16
3/1/2029 12:00:00 AM	4/1/2029 12:00:00 AM	$ 30.69	$ 31.01	$ 31.01
4/1/2029 12:00:00 AM	5/1/2029 12:00:00 AM	$ 28.96	$ 29.29	$ 29.29
5/1/2029 12:00:00 AM	6/1/2029 12:00:00 AM	$ 22.84	$ 23.17	$ 23.17
6/1/2029 12:00:00 AM	7/1/2029 12:00:00 AM	$ 23.86	$ 24.19	$ 24.19
7/1/2029 12:00:00 AM	8/1/2029 12:00:00 AM	$ 26.45	$ 26.78	$ 26.78
8/1/2029 12:00:00 AM	9/1/2029 12:00:00 AM	$ 25.90	$ 26.23	$ 26.23
9/1/2029 12:00:00 AM	10/1/2029 12:00:00 AM	$ 22.76	$ 23.09	$ 23.09
10/1/2029 12:00:00 AM	11/1/2029 12:00:00 AM	$ 25.27	$ 25.60	$ 25.60
11/1/2029 12:00:00 AM	12/1/2029 12:00:00 AM	$ 26.61	$ 26.93	$ 26.93
12/1/2029 12:00:00 AM	1/1/2030 12:00:00 AM	$ 27.79	$ 28.11	$ 28.11
1/1/2030 12:00:00 AM	2/1/2030 12:00:00 AM	$ 42.22	$ 42.55	$ 42.55
2/1/2030 12:00:00 AM	3/1/2030 12:00:00 AM	$ 38.47	$ 38.80	$ 38.80
3/1/2030 12:00:00 AM	4/1/2030 12:00:00 AM	$ 31.21	$ 31.53	$ 31.53
4/1/2030 12:00:00 AM	5/1/2030 12:00:00 AM	$ 29.45	$ 29.78	$ 29.78
5/1/2030 12:00:00 AM	6/1/2030 12:00:00 AM	$ 23.23	$ 23.55	$ 23.55
6/1/2030 12:00:00 AM	7/1/2030 12:00:00 AM	$ 24.27	$ 24.59	$ 24.59
7/1/2030 12:00:00 AM	8/1/2030 12:00:00 AM	$ 26.90	$ 27.22	$ 27.22
8/1/2030 12:00:00 AM	9/1/2030 12:00:00 AM	$ 26.34	$ 26.67	$ 26.67
9/1/2030 12:00:00 AM	10/1/2030 12:00:00 AM	$ 23.15	$ 23.47	$ 23.47
10/1/2030 12:00:00 AM	11/1/2030 12:00:00 AM	$ 25.70	$ 26.03	$ 26.03
11/1/2030 12:00:00 AM	12/1/2030 12:00:00 AM	$ 27.06	$ 27.38	$ 27.38
12/1/2030 12:00:00 AM	1/1/2031 12:00:00 AM	$ 28.26	$ 28.58	$ 28.58
1/1/2031 12:00:00 AM	2/1/2031 12:00:00 AM	$ 43.32	$ 43.64	$ 43.64
2/1/2031 12:00:00 AM	3/1/2031 12:00:00 AM	$ 39.47	$ 39.79	$ 39.79
3/1/2031 12:00:00 AM	4/1/2031 12:00:00 AM	$ 32.02	$ 32.34	$ 32.34
4/1/2031 12:00:00 AM	5/1/2031 12:00:00 AM	$ 30.22	$ 30.54	$ 30.54
5/1/2031 12:00:00 AM	6/1/2031 12:00:00 AM	$ 23.83	$ 24.15	$ 24.15
6/1/2031 12:00:00 AM	7/1/2031 12:00:00 AM	$ 24.89	$ 25.22	$ 25.22
7/1/2031 12:00:00 AM	8/1/2031 12:00:00 AM	$ 27.59	$ 27.92	$ 27.92

8/1/2031 12:00:00 AM	9/1/2031 12:00:00 AM	$ 27.02	$ 27.35	$ 27.35
9/1/2031 12:00:00 AM	10/1/2031 12:00:00 AM	$ 23.75	$ 24.07	$ 24.07
10/1/2031 12:00:00 AM	11/1/2031 12:00:00 AM	$ 26.37	$ 26.69	$ 26.69
11/1/2031 12:00:00 AM	12/1/2031 12:00:00 AM	$ 27.76	$ 28.08	$ 28.08
12/1/2031 12:00:00 AM	1/1/2032 12:00:00 AM	$ 28.99	$ 29.31	$ 29.31
1/1/2032 12:00:00 AM	2/1/2032 12:00:00 AM	$ 45.27	$ 45.60	$ 45.60
2/1/2032 12:00:00 AM	3/1/2032 12:00:00 AM	$ 41.25	$ 41.58	$ 41.58
3/1/2032 12:00:00 AM	4/1/2032 12:00:00 AM	$ 33.46	$ 33.79	$ 33.79
4/1/2032 12:00:00 AM	5/1/2032 12:00:00 AM	$ 31.58	$ 31.91	$ 31.91
5/1/2032 12:00:00 AM	6/1/2032 12:00:00 AM	$ 24.90	$ 25.23	$ 25.23
6/1/2032 12:00:00 AM	7/1/2032 12:00:00 AM	$ 26.02	$ 26.34	$ 26.34
7/1/2032 12:00:00 AM	8/1/2032 12:00:00 AM	$ 28.84	$ 29.17	$ 29.17
8/1/2032 12:00:00 AM	9/1/2032 12:00:00 AM	$ 28.24	$ 28.57	$ 28.57
9/1/2032 12:00:00 AM	10/1/2032 12:00:00 AM	$ 24.82	$ 25.14	$ 25.14
10/1/2032 12:00:00 AM	11/1/2032 12:00:00 AM	$ 27.56	$ 27.88	$ 27.88
11/1/2032 12:00:00 AM	12/1/2032 12:00:00 AM	$ 29.01	$ 29.34	$ 29.34
12/1/2032 12:00:00 AM	1/1/2033 12:00:00 AM	$ 30.30	$ 30.62	$ 30.62
1/1/2033 12:00:00 AM	2/1/2033 12:00:00 AM	$ 46.71	$ 47.04	$ 47.04
2/1/2033 12:00:00 AM	3/1/2033 12:00:00 AM	$ 42.56	$ 42.89	$ 42.89
3/1/2033 12:00:00 AM	4/1/2033 12:00:00 AM	$ 34.53	$ 34.85	$ 34.85
4/1/2033 12:00:00 AM	5/1/2033 12:00:00 AM	$ 32.59	$ 32.91	$ 32.91
5/1/2033 12:00:00 AM	6/1/2033 12:00:00 AM	$ 25.70	$ 26.02	$ 26.02
6/1/2033 12:00:00 AM	7/1/2033 12:00:00 AM	$ 26.85	$ 27.17	$ 27.17
7/1/2033 12:00:00 AM	8/1/2033 12:00:00 AM	$ 29.76	$ 30.08	$ 30.08
8/1/2033 12:00:00 AM	9/1/2033 12:00:00 AM	$ 29.14	$ 29.47	$ 29.47
9/1/2033 12:00:00 AM	10/1/2033 12:00:00 AM	$ 25.61	$ 25.93	$ 25.93
10/1/2033 12:00:00 AM	11/1/2033 12:00:00 AM	$ 28.43	$ 28.76	$ 28.76
11/1/2033 12:00:00 AM	12/1/2033 12:00:00 AM	$ 29.94	$ 30.26	$ 30.26
12/1/2033 12:00:00 AM	1/1/2034 12:00:00 AM	$ 31.26	$ 31.59	$ 31.59
1/1/2034 12:00:00 AM	2/1/2034 12:00:00 AM	$ 48.17	$ 48.50	$ 48.50
2/1/2034 12:00:00 AM	3/1/2034 12:00:00 AM	$ 43.89	$ 44.22	$ 44.22
3/1/2034 12:00:00 AM	4/1/2034 12:00:00 AM	$ 35.61	$ 35.93	$ 35.93
4/1/2034 12:00:00 AM	5/1/2034 12:00:00 AM	$ 33.60	$ 33.93	$ 33.93
5/1/2034 12:00:00 AM	6/1/2034 12:00:00 AM	$ 26.50	$ 26.83	$ 26.83
6/1/2034 12:00:00 AM	7/1/2034 12:00:00 AM	$ 27.68	$ 28.01	$ 28.01
7/1/2034 12:00:00 AM	8/1/2034 12:00:00 AM	$ 30.69	$ 31.01	$ 31.01
8/1/2034 12:00:00 AM	9/1/2034 12:00:00 AM	$ 30.05	$ 30.38	$ 30.38
9/1/2034 12:00:00 AM	10/1/2034 12:00:00 AM	$ 26.41	$ 26.73	$ 26.73
10/1/2034 12:00:00 AM	11/1/2034 12:00:00 AM	$ 29.32	$ 29.65	$ 29.65
11/1/2034 12:00:00 AM	12/1/2034 12:00:00 AM	$ 30.87	$ 31.20	$ 31.20
12/1/2034 12:00:00 AM	1/1/2035 12:00:00 AM	$ 32.24	$ 32.56	$ 32.56
1/1/2035 12:00:00 AM	2/1/2035 12:00:00 AM	$ 49.24	$ 49.56	$ 49.56
2/1/2035 12:00:00 AM	3/1/2035 12:00:00 AM	$ 44.86	$ 45.19	$ 45.19
3/1/2035 12:00:00 AM	4/1/2035 12:00:00 AM	$ 36.39	$ 36.72	$ 36.72
4/1/2035 12:00:00 AM	5/1/2035 12:00:00 AM	$ 34.35	$ 34.67	$ 34.67
5/1/2035 12:00:00 AM	6/1/2035 12:00:00 AM	$ 27.09	$ 27.41	$ 27.41
6/1/2035 12:00:00 AM	7/1/2035 12:00:00 AM	$ 28.30	$ 28.62	$ 28.62

7/1/2035 12:00:00 AM	8/1/2035 12:00:00 AM	$ 31.37	$ 31.69	$ 31.69
8/1/2035 12:00:00 AM	9/1/2035 12:00:00 AM	$ 30.72	$ 31.04	$ 31.04
9/1/2035 12:00:00 AM	10/1/2035 12:00:00 AM	$ 26.99	$ 27.32	$ 27.32
10/1/2035 12:00:00 AM	11/1/2035 12:00:00 AM	$ 29.97	$ 30.30	$ 30.30
11/1/2035 12:00:00 AM	12/1/2035 12:00:00 AM	$ 31.55	$ 31.88	$ 31.88
12/1/2035 12:00:00 AM	1/1/2036 12:00:00 AM	$ 32.95	$ 33.27	$ 33.27
1/1/2036 12:00:00 AM	2/1/2036 12:00:00 AM	$ 49.64	$ 49.96	$ 49.96
2/1/2036 12:00:00 AM	3/1/2036 12:00:00 AM	$ 45.23	$ 45.55	$ 45.55
3/1/2036 12:00:00 AM	4/1/2036 12:00:00 AM	$ 36.69	$ 37.01	$ 37.01
4/1/2036 12:00:00 AM	5/1/2036 12:00:00 AM	$ 34.62	$ 34.95	$ 34.95
5/1/2036 12:00:00 AM	6/1/2036 12:00:00 AM	$ 27.30	$ 27.63	$ 27.63
6/1/2036 12:00:00 AM	7/1/2036 12:00:00 AM	$ 28.52	$ 28.85	$ 28.85
7/1/2036 12:00:00 AM	8/1/2036 12:00:00 AM	$ 31.62	$ 31.95	$ 31.95
8/1/2036 12:00:00 AM	9/1/2036 12:00:00 AM	$ 30.96	$ 31.29	$ 31.29
9/1/2036 12:00:00 AM	10/1/2036 12:00:00 AM	$ 27.21	$ 27.54	$ 27.54
10/1/2036 12:00:00 AM	11/1/2036 12:00:00 AM	$ 30.21	$ 30.54	$ 30.54
11/1/2036 12:00:00 AM	12/1/2036 12:00:00 AM	$ 31.81	$ 32.13	$ 32.13
12/1/2036 12:00:00 AM	1/1/2037 12:00:00 AM	$ 33.22	$ 33.54	$ 33.54
1/1/2037 12:00:00 AM	2/1/2037 12:00:00 AM	$ 50.92	$ 51.24	$ 51.24
2/1/2037 12:00:00 AM	3/1/2037 12:00:00 AM	$ 46.39	$ 46.72	$ 46.72
3/1/2037 12:00:00 AM	4/1/2037 12:00:00 AM	$ 37.63	$ 37.96	$ 37.96
4/1/2037 12:00:00 AM	5/1/2037 12:00:00 AM	$ 35.52	$ 35.84	$ 35.84
5/1/2037 12:00:00 AM	6/1/2037 12:00:00 AM	$ 28.01	$ 28.33	$ 28.33
6/1/2037 12:00:00 AM	7/1/2037 12:00:00 AM	$ 29.26	$ 29.58	$ 29.58
7/1/2037 12:00:00 AM	8/1/2037 12:00:00 AM	$ 32.44	$ 32.76	$ 32.76
8/1/2037 12:00:00 AM	9/1/2037 12:00:00 AM	$ 31.76	$ 32.09	$ 32.09
9/1/2037 12:00:00 AM	10/1/2037 12:00:00 AM	$ 27.91	$ 28.24	$ 28.24
10/1/2037 12:00:00 AM	11/1/2037 12:00:00 AM	$ 30.99	$ 31.32	$ 31.32
11/1/2037 12:00:00 AM	12/1/2037 12:00:00 AM	$ 32.63	$ 32.95	$ 32.95
12/1/2037 12:00:00 AM	1/1/2038 12:00:00 AM	$ 34.07	$ 34.40	$ 34.40
1/1/2038 12:00:00 AM	2/1/2038 12:00:00 AM	$ 52.27	$ 52.59	$ 52.59
2/1/2038 12:00:00 AM	3/1/2038 12:00:00 AM	$ 47.62	$ 47.95	$ 47.95
3/1/2038 12:00:00 AM	4/1/2038 12:00:00 AM	$ 38.63	$ 38.96	$ 38.96
4/1/2038 12:00:00 AM	5/1/2038 12:00:00 AM	$ 36.46	$ 36.78	$ 36.78
5/1/2038 12:00:00 AM	6/1/2038 12:00:00 AM	$ 28.75	$ 29.08	$ 29.08
6/1/2038 12:00:00 AM	7/1/2038 12:00:00 AM	$ 30.04	$ 30.36	$ 30.36
7/1/2038 12:00:00 AM	8/1/2038 12:00:00 AM	$ 33.30	$ 33.62	$ 33.62
8/1/2038 12:00:00 AM	9/1/2038 12:00:00 AM	$ 32.60	$ 32.93	$ 32.93
9/1/2038 12:00:00 AM	10/1/2038 12:00:00 AM	$ 28.65	$ 28.98	$ 28.98
10/1/2038 12:00:00 AM	11/1/2038 12:00:00 AM	$ 31.81	$ 32.14	$ 32.14
11/1/2038 12:00:00 AM	12/1/2038 12:00:00 AM	$ 33.49	$ 33.82	$ 33.82
12/1/2038 12:00:00 AM	1/1/2039 12:00:00 AM	$ 34.98	$ 35.30	$ 35.30
1/1/2039 12:00:00 AM	2/1/2039 12:00:00 AM	$ 53.46	$ 53.79	$ 53.79
2/1/2039 12:00:00 AM	3/1/2039 12:00:00 AM	$ 48.71	$ 49.04	$ 49.04
3/1/2039 12:00:00 AM	4/1/2039 12:00:00 AM	$ 39.51	$ 39.84	$ 39.84
4/1/2039 12:00:00 AM	5/1/2039 12:00:00 AM	$ 37.29	$ 37.62	$ 37.62
5/1/2039 12:00:00 AM	6/1/2039 12:00:00 AM	$ 29.41	$ 29.73	$ 29.73

6/1/2039 12:00:00 AM	7/1/2039 12:00:00 AM	$ 30.72	$ 31.05	$ 31.05
7/1/2039 12:00:00 AM	8/1/2039 12:00:00 AM	$ 34.06	$ 34.38	$ 34.38
8/1/2039 12:00:00 AM	9/1/2039 12:00:00 AM	$ 33.35	$ 33.67	$ 33.67
9/1/2039 12:00:00 AM	10/1/2039 12:00:00 AM	$ 29.31	$ 29.63	$ 29.63
10/1/2039 12:00:00 AM	11/1/2039 12:00:00 AM	$ 32.54	$ 32.87	$ 32.87
11/1/2039 12:00:00 AM	12/1/2039 12:00:00 AM	$ 34.26	$ 34.58	$ 34.58
12/1/2039 12:00:00 AM	1/1/2040 12:00:00 AM	$ 35.77	$ 36.10	$ 36.10
1/1/2040 12:00:00 AM	2/1/2040 12:00:00 AM	$ 53.91	$ 54.24	$ 54.24
2/1/2040 12:00:00 AM	3/1/2040 12:00:00 AM	$ 49.12	$ 49.45	$ 49.45
3/1/2040 12:00:00 AM	4/1/2040 12:00:00 AM	$ 39.85	$ 40.17	$ 40.17
4/1/2040 12:00:00 AM	5/1/2040 12:00:00 AM	$ 37.61	$ 37.93	$ 37.93
5/1/2040 12:00:00 AM	6/1/2040 12:00:00 AM	$ 29.66	$ 29.98	$ 29.98
6/1/2040 12:00:00 AM	7/1/2040 12:00:00 AM	$ 30.98	$ 31.31	$ 31.31
7/1/2040 12:00:00 AM	8/1/2040 12:00:00 AM	$ 34.35	$ 34.67	$ 34.67
8/1/2040 12:00:00 AM	9/1/2040 12:00:00 AM	$ 33.63	$ 33.96	$ 33.96
9/1/2040 12:00:00 AM	10/1/2040 12:00:00 AM	$ 29.56	$ 29.88	$ 29.88
10/1/2040 12:00:00 AM	11/1/2040 12:00:00 AM	$ 32.82	$ 33.14	$ 33.14
11/1/2040 12:00:00 AM	12/1/2040 12:00:00 AM	$ 34.55	$ 34.87	$ 34.87
12/1/2040 12:00:00 AM	1/1/2041 12:00:00 AM	$ 36.08	$ 36.40	$ 36.40



Beethoven	Big Stone	Coyote	Huron 1	Huron 2	Neal 4	Oak Tree	Titan	Load
$ 25.44	$ 25.55	$ 24.79	$ 25.08	$ 25.08	$ 25.56	$ 25.56	$ 25.41	$ 25.85
$ 22.19	$ 22.30	$ 21.54	$ 21.83	$ 21.83	$ 22.31	$ 22.31	$ 22.16	$ 22.60
$ 18.09	$ 18.20	$ 17.44	$ 17.73	$ 17.73	$ 18.21	$ 18.21	$ 18.06	$ 18.50
$ 14.19	$ 14.30	$ 13.54	$ 13.83	$ 13.83	$ 14.31	$ 14.31	$ 14.16	$ 14.60
$ 16.14	$ 16.25	$ 15.49	$ 15.78	$ 15.78	$ 16.26	$ 16.26	$ 16.11	$ 16.55
$ 15.74	$ 15.85	$ 15.09	$ 15.38	$ 15.38	$ 15.86	$ 15.86	$ 15.71	$ 16.15
$ 18.04	$ 18.15	$ 17.39	$ 17.68	$ 17.68	$ 18.16	$ 18.16	$ 18.01	$ 18.45
$ 15.74	$ 15.85	$ 15.09	$ 15.38	$ 15.38	$ 15.86	$ 15.86	$ 15.71	$ 16.15
$ 16.29	$ 16.40	$ 15.64	$ 15.93	$ 15.93	$ 16.41	$ 16.41	$ 16.26	$ 16.70
$ 17.24	$ 17.35	$ 16.59	$ 16.88	$ 16.88	$ 17.36	$ 17.36	$ 17.21	$ 17.65
$ 16.49	$ 16.60	$ 15.84	$ 16.13	$ 16.13	$ 16.61	$ 16.61	$ 16.46	$ 16.90
$ 20.14	$ 20.25	$ 19.49	$ 19.78	$ 19.78	$ 20.26	$ 20.26	$ 20.11	$ 20.55
$ 26.64	$ 26.75	$ 25.99	$ 26.28	$ 26.28	$ 26.76	$ 26.76	$ 26.61	$ 27.05
$ 24.29	$ 24.40	$ 23.64	$ 23.93	$ 23.93	$ 24.41	$ 24.41	$ 24.26	$ 24.70
$ 19.74	$ 19.85	$ 19.09	$ 19.38	$ 19.38	$ 19.86	$ 19.86	$ 19.71	$ 20.15
$ 18.64	$ 18.75	$ 17.99	$ 18.28	$ 18.28	$ 18.76	$ 18.76	$ 18.61	$ 19.05
$ 14.74	$ 14.85	$ 14.09	$ 14.38	$ 14.38	$ 14.86	$ 14.86	$ 14.71	$ 15.15
$ 15.39	$ 15.50	$ 14.74	$ 15.03	$ 15.03	$ 15.51	$ 15.51	$ 15.36	$ 15.80
$ 17.04	$ 17.15	$ 16.39	$ 16.68	$ 16.68	$ 17.16	$ 17.16	$ 17.01	$ 17.45
$ 16.69	$ 16.80	$ 16.04	$ 16.33	$ 16.33	$ 16.81	$ 16.81	$ 16.66	$ 17.10
$ 14.69	$ 14.80	$ 14.04	$ 14.33	$ 14.33	$ 14.81	$ 14.81	$ 14.66	$ 15.10
$ 16.29	$ 16.40	$ 15.64	$ 15.93	$ 15.93	$ 16.41	$ 16.41	$ 16.26	$ 16.70
$ 17.14	$ 17.25	$ 16.49	$ 16.78	$ 16.78	$ 17.26	$ 17.26	$ 17.11	$ 17.55
$ 17.89	$ 18.00	$ 17.24	$ 17.53	$ 17.53	$ 18.01	$ 18.01	$ 17.86	$ 18.30
$ 29.12	$ 29.22	$ 28.47	$ 28.76	$ 28.76	$ 29.24	$ 29.24	$ 29.08	$ 29.52
$ 26.55	$ 26.65	$ 25.90	$ 26.19	$ 26.19	$ 26.67	$ 26.67	$ 26.51	$ 26.95
$ 21.57	$ 21.67	$ 20.92	$ 21.21	$ 21.21	$ 21.69	$ 21.69	$ 21.53	$ 21.97
$ 20.37	$ 20.47	$ 19.72	$ 20.01	$ 20.01	$ 20.49	$ 20.49	$ 20.33	$ 20.77
$ 16.10	$ 16.21	$ 15.45	$ 15.74	$ 15.74	$ 16.22	$ 16.22	$ 16.07	$ 16.51
$ 16.81	$ 16.92	$ 16.17	$ 16.46	$ 16.46	$ 16.94	$ 16.94	$ 16.78	$ 17.22
$ 18.62	$ 18.72	$ 17.97	$ 18.26	$ 18.26	$ 18.74	$ 18.74	$ 18.58	$ 19.02
$ 18.23	$ 18.34	$ 17.59	$ 17.88	$ 17.88	$ 18.36	$ 18.36	$ 18.20	$ 18.64
$ 16.05	$ 16.15	$ 15.40	$ 15.69	$ 15.69	$ 16.17	$ 16.17	$ 16.01	$ 16.45
$ 17.80	$ 17.90	$ 17.15	$ 17.44	$ 17.44	$ 17.92	$ 17.92	$ 17.76	$ 18.20

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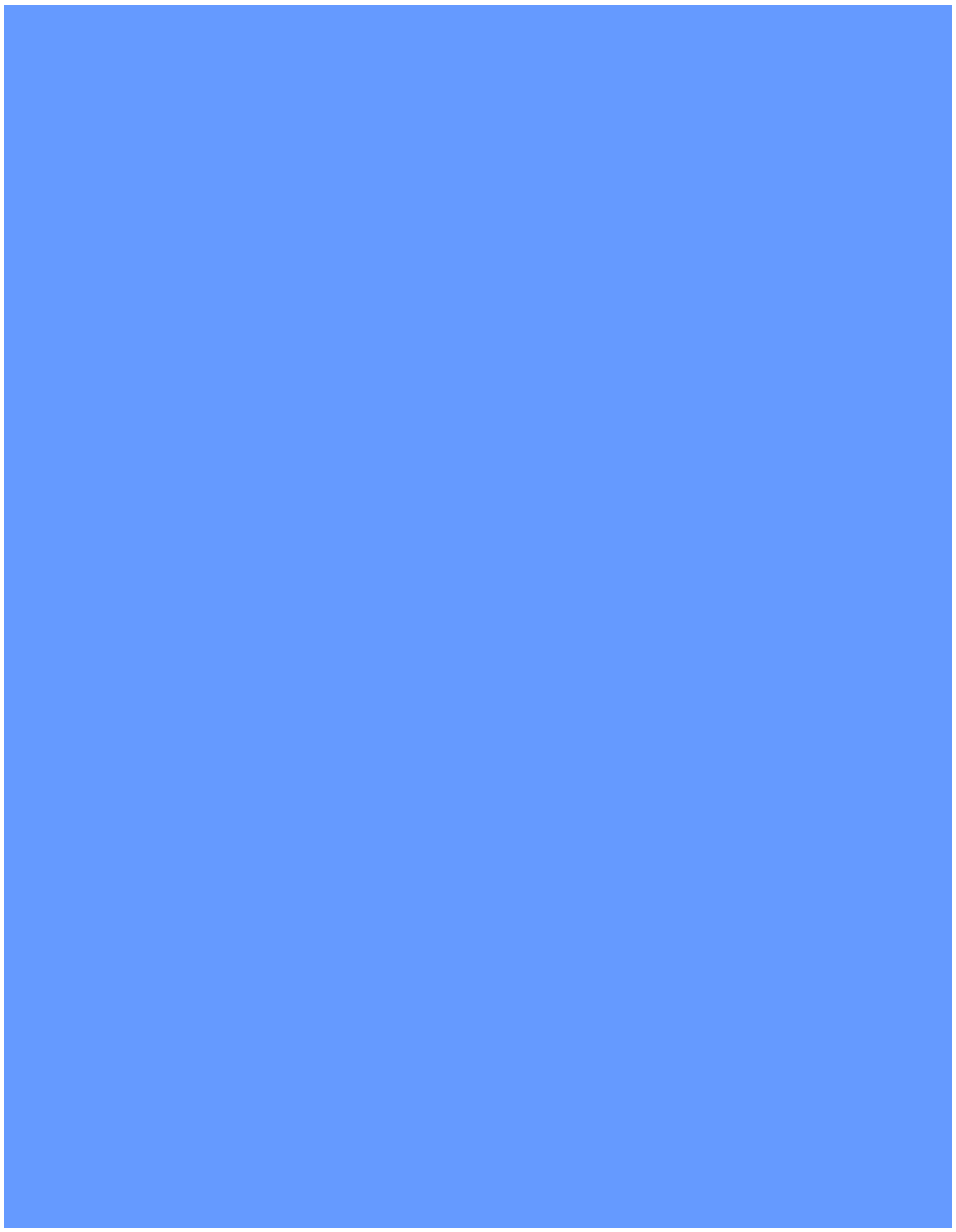
$	22.34	$	22.44	$	21.69	$	21.98	$	21.98	$	22.46	$	22.46	$	22.30	$	22.74
$	23.50	$	23.61	$	22.86	$	23.15	$	23.15	$	23.63	$	23.63	$	23.47	$	23.91
$	24.54	$	24.64	$	23.89	$	24.18	$	24.18	$	24.66	$	24.66	$	24.50	$	24.94
$	38.24	$	38.35	$	37.60	$	37.89	$	37.89	$	38.37	$	38.37	$	38.21	$	38.65
$	34.86	$	34.97	$	34.22	$	34.51	$	34.51	$	34.99	$	34.99	$	34.83	$	35.27
$	28.32	$	28.42	$	27.67	$	27.96	$	27.96	$	28.44	$	28.44	$	28.28	$	28.72
$	26.73	$	26.84	$	26.09	$	26.38	$	26.38	$	26.86	$	26.86	$	26.70	$	27.14
$	21.12	$	21.23	$	20.48	$	20.77	$	20.77	$	21.25	$	21.25	$	21.09	$	21.53
$	22.06	$	22.16	$	21.41	$	21.70	$	21.70	$	22.18	$	22.18	$	22.02	$	22.46
$	24.43	$	24.54	$	23.79	$	24.08	$	24.08	$	24.56	$	24.56	$	24.40	$	24.84
$	23.93	$	24.03	$	23.28	$	23.57	$	23.57	$	24.05	$	24.05	$	23.89	$	24.33
$	21.05	$	21.16	$	20.40	$	20.69	$	20.69	$	21.17	$	21.17	$	21.02	$	21.46
$	23.35	$	23.46	$	22.71	$	23.00	$	23.00	$	23.48	$	23.48	$	23.32	$	23.76
$	24.58	$	24.68	$	23.93	$	24.22	$	24.22	$	24.70	$	24.70	$	24.54	$	24.98
$	25.66	$	25.76	$	25.01	$	25.30	$	25.30	$	25.78	$	25.78	$	25.62	$	26.06
$	40.07	$	40.18	$	39.42	$	39.71	$	39.71	$	40.19	$	40.19	$	40.04	$	40.48
$	36.53	$	36.63	$	35.88	$	36.17	$	36.17	$	36.65	$	36.65	$	36.49	$	36.93
$	29.67	$	29.77	$	29.02	$	29.31	$	29.31	$	29.79	$	29.79	$	29.63	$	30.07
$	28.01	$	28.11	$	27.36	$	27.65	$	27.65	$	28.13	$	28.13	$	27.97	$	28.41
$	22.13	$	22.23	$	21.48	$	21.77	$	21.77	$	22.25	$	22.25	$	22.09	$	22.53
$	23.11	$	23.21	$	22.46	$	22.75	$	22.75	$	23.23	$	23.23	$	23.07	$	23.51
$	25.60	$	25.70	$	24.95	$	25.24	$	25.24	$	25.72	$	25.72	$	25.56	$	26.00
$	25.07	$	25.17	$	24.42	$	24.71	$	24.71	$	25.19	$	25.19	$	25.03	$	25.47
$	22.05	$	22.16	$	21.41	$	21.70	$	21.70	$	22.18	$	22.18	$	22.02	$	22.46
$	24.47	$	24.57	$	23.82	$	24.11	$	24.11	$	24.59	$	24.59	$	24.43	$	24.87
$	25.75	$	25.85	$	25.10	$	25.39	$	25.39	$	25.87	$	25.87	$	25.71	$	26.15
$	26.88	$	26.98	$	26.23	$	26.52	$	26.52	$	27.00	$	27.00	$	26.84	$	27.28
$	40.83	$	40.94	$	40.18	$	40.47	$	40.47	$	40.95	$	40.95	$	40.80	$	41.24
$	37.22	$	37.33	$	36.57	$	36.86	$	36.86	$	37.34	$	37.34	$	37.19	$	37.63
$	30.23	$	30.33	$	29.58	$	29.87	$	29.87	$	30.35	$	30.35	$	30.19	$	30.63
$	28.54	$	28.64	$	27.89	$	28.18	$	28.18	$	28.66	$	28.66	$	28.50	$	28.94
$	22.55	$	22.65	$	21.90	$	22.19	$	22.19	$	22.67	$	22.67	$	22.51	$	22.95
$	23.55	$	23.65	$	22.90	$	23.19	$	23.19	$	23.67	$	23.67	$	23.51	$	23.95
$	26.08	$	26.19	$	25.43	$	25.72	$	25.72	$	26.20	$	26.20	$	26.05	$	26.49
$	25.54	$	25.65	$	24.90	$	25.19	$	25.19	$	25.67	$	25.67	$	25.51	$	25.95
$	22.47	$	22.57	$	21.82	$	22.11	$	22.11	$	22.59	$	22.59	$	22.43	$	22.87
$	24.93	$	25.03	$	24.28	$	24.57	$	24.57	$	25.05	$	25.05	$	24.89	$	25.33
$	26.23	$	26.34	$	25.59	$	25.88	$	25.88	$	26.36	$	26.36	$	26.20	$	26.64
$	27.39	$	27.49	$	26.74	$	27.03	$	27.03	$	27.51	$	27.51	$	27.35	$	27.79
$	40.83	$	40.94	$	40.19	$	40.48	$	40.48	$	40.96	$	40.96	$	40.80	$	41.24
$	37.22	$	37.33	$	36.57	$	36.86	$	36.86	$	37.34	$	37.34	$	37.19	$	37.63
$	30.23	$	30.34	$	29.58	$	29.87	$	29.87	$	30.35	$	30.35	$	30.20	$	30.64
$	28.54	$	28.65	$	27.89	$	28.18	$	28.18	$	28.66	$	28.66	$	28.51	$	28.95
$	22.55	$	22.65	$	21.90	$	22.19	$	22.19	$	22.67	$	22.67	$	22.51	$	22.95
$	23.55	$	23.65	$	22.90	$	23.19	$	23.19	$	23.67	$	23.67	$	23.51	$	23.95
$	26.08	$	26.19	$	25.43	$	25.72	$	25.72	$	26.20	$	26.20	$	26.05	$	26.49
$	25.54	$	25.65	$	24.90	$	25.19	$	25.19	$	25.67	$	25.67	$	25.51	$	25.95

$	22.47	$	22.58	$	21.82	$	22.11	$	22.11	$	22.59	$	22.59	$	22.44	$	22.88
$	24.93	$	25.03	$	24.28	$	24.57	$	24.57	$	25.05	$	25.05	$	24.89	$	25.33
$	26.24	$	26.34	$	25.59	$	25.88	$	25.88	$	26.36	$	26.36	$	26.20	$	26.64
$	27.39	$	27.49	$	26.74	$	27.03	$	27.03	$	27.51	$	27.51	$	27.35	$	27.79
$	41.26	$	41.37	$	40.61	$	40.90	$	40.90	$	41.38	$	41.38	$	41.23	$	41.67
$	37.61	$	37.72	$	36.97	$	37.26	$	37.26	$	37.74	$	37.74	$	37.58	$	38.02
$	30.55	$	30.65	$	29.90	$	30.19	$	30.19	$	30.67	$	30.67	$	30.51	$	30.95
$	28.84	$	28.94	$	28.19	$	28.48	$	28.48	$	28.96	$	28.96	$	28.80	$	29.24
$	22.78	$	22.89	$	22.14	$	22.43	$	22.43	$	22.91	$	22.91	$	22.75	$	23.19
$	23.79	$	23.90	$	23.15	$	23.44	$	23.44	$	23.92	$	23.92	$	23.76	$	24.20
$	26.35	$	26.46	$	25.71	$	26.00	$	26.00	$	26.48	$	26.48	$	26.32	$	26.76
$	25.81	$	25.92	$	25.16	$	25.45	$	25.45	$	25.93	$	25.93	$	25.78	$	26.22
$	22.71	$	22.81	$	22.06	$	22.35	$	22.35	$	22.83	$	22.83	$	22.67	$	23.11
$	25.19	$	25.30	$	24.54	$	24.83	$	24.83	$	25.31	$	25.31	$	25.16	$	25.60
$	26.51	$	26.62	$	25.86	$	26.15	$	26.15	$	26.63	$	26.63	$	26.48	$	26.92
$	27.67	$	27.78	$	27.03	$	27.32	$	27.32	$	27.80	$	27.80	$	27.64	$	28.08
$	41.71	$	41.82	$	41.06	$	41.35	$	41.35	$	41.83	$	41.83	$	41.68	$	42.12
$	38.02	$	38.13	$	37.37	$	37.66	$	37.66	$	38.14	$	38.14	$	37.99	$	38.43
$	30.88	$	30.98	$	30.23	$	30.52	$	30.52	$	31.00	$	31.00	$	30.84	$	31.28
$	29.15	$	29.26	$	28.51	$	28.80	$	28.80	$	29.28	$	29.28	$	29.12	$	29.56
$	23.03	$	23.14	$	22.38	$	22.67	$	22.67	$	23.15	$	23.15	$	23.00	$	23.44
$	24.05	$	24.16	$	23.40	$	23.69	$	23.69	$	24.17	$	24.17	$	24.02	$	24.46
$	26.64	$	26.75	$	25.99	$	26.28	$	26.28	$	26.76	$	26.76	$	26.61	$	27.05
$	26.09	$	26.20	$	25.44	$	25.73	$	25.73	$	26.21	$	26.21	$	26.06	$	26.50
$	22.95	$	23.06	$	22.30	$	22.59	$	22.59	$	23.07	$	23.07	$	22.92	$	23.36
$	25.46	$	25.57	$	24.82	$	25.11	$	25.11	$	25.59	$	25.59	$	25.43	$	25.87
$	26.80	$	26.90	$	26.15	$	26.44	$	26.44	$	26.92	$	26.92	$	26.76	$	27.20
$	27.98	$	28.08	$	27.33	$	27.62	$	27.62	$	28.10	$	28.10	$	27.94	$	28.38
$	42.41	$	42.52	$	41.77	$	42.06	$	42.06	$	42.54	$	42.54	$	42.38	$	42.82
$	38.66	$	38.77	$	38.02	$	38.31	$	38.31	$	38.79	$	38.79	$	38.63	$	39.07
$	31.40	$	31.50	$	30.75	$	31.04	$	31.04	$	31.52	$	31.52	$	31.36	$	31.80
$	29.64	$	29.75	$	29.00	$	29.29	$	29.29	$	29.77	$	29.77	$	29.61	$	30.05
$	23.42	$	23.52	$	22.77	$	23.06	$	23.06	$	23.54	$	23.54	$	23.38	$	23.82
$	24.46	$	24.56	$	23.81	$	24.10	$	24.10	$	24.58	$	24.58	$	24.42	$	24.86
$	27.09	$	27.19	$	26.44	$	26.73	$	26.73	$	27.21	$	27.21	$	27.05	$	27.49
$	26.53	$	26.64	$	25.88	$	26.17	$	26.17	$	26.65	$	26.65	$	26.50	$	26.94
$	23.34	$	23.44	$	22.69	$	22.98	$	22.98	$	23.46	$	23.46	$	23.30	$	23.74
$	25.89	$	26.00	$	25.24	$	25.53	$	25.53	$	26.01	$	26.01	$	25.86	$	26.30
$	27.25	$	27.35	$	26.60	$	26.89	$	26.89	$	27.37	$	27.37	$	27.21	$	27.65
$	28.45	$	28.55	$	27.80	$	28.09	$	28.09	$	28.57	$	28.57	$	28.41	$	28.85
$	43.51	$	43.61	$	42.86	$	43.15	$	43.15	$	43.63	$	43.63	$	43.47	$	43.91
$	39.66	$	39.76	$	39.01	$	39.30	$	39.30	$	39.78	$	39.78	$	39.62	$	40.06
$	32.21	$	32.31	$	31.56	$	31.85	$	31.85	$	32.33	$	32.33	$	32.17	$	32.61
$	30.41	$	30.51	$	29.76	$	30.05	$	30.05	$	30.53	$	30.53	$	30.37	$	30.81
$	24.02	$	24.12	$	23.37	$	23.66	$	23.66	$	24.14	$	24.14	$	23.98	$	24.42
$	25.08	$	25.19	$	24.44	$	24.73	$	24.73	$	25.21	$	25.21	$	25.05	$	25.49
$	27.78	$	27.89	$	27.14	$	27.43	$	27.43	$	27.91	$	27.91	$	27.75	$	28.19

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$	30.91	$	31.02	$	30.26	$	30.55	$	30.55	$	31.03	$	31.03	$	30.88	$	31.32
$	34.25	$	34.35	$	33.60	$	33.89	$	33.89	$	34.37	$	34.37	$	34.21	$	34.65
$	33.54	$	33.64	$	32.89	$	33.18	$	33.18	$	33.66	$	33.66	$	33.50	$	33.94
$	29.50	$	29.60	$	28.85	$	29.14	$	29.14	$	29.62	$	29.62	$	29.46	$	29.90
$	32.73	$	32.84	$	32.08	$	32.37	$	32.37	$	32.85	$	32.85	$	32.70	$	33.14
$	34.45	$	34.55	$	33.80	$	34.09	$	34.09	$	34.57	$	34.57	$	34.41	$	34.85
$	35.96	$	36.07	$	35.32	$	35.61	$	35.61	$	36.09	$	36.09	$	35.93	$	36.37
$	54.10	$	54.21	$	53.46	$	53.75	$	53.75	$	54.23	$	54.23	$	54.07	$	54.51
$	49.31	$	49.42	$	48.67	$	48.96	$	48.96	$	49.44	$	49.44	$	49.28	$	49.72
$	40.04	$	40.14	$	39.39	$	39.68	$	39.68	$	40.16	$	40.16	$	40.00	$	40.44
$	37.80	$	37.90	$	37.15	$	37.44	$	37.44	$	37.92	$	37.92	$	37.76	$	38.20
$	29.85	$	29.95	$	29.20	$	29.49	$	29.49	$	29.97	$	29.97	$	29.81	$	30.25
$	31.17	$	31.28	$	30.53	$	30.82	$	30.82	$	31.30	$	31.30	$	31.14	$	31.58
$	34.54	$	34.64	$	33.89	$	34.18	$	34.18	$	34.66	$	34.66	$	34.50	$	34.94
$	33.82	$	33.93	$	33.18	$	33.47	$	33.47	$	33.95	$	33.95	$	33.79	$	34.23
$	29.75	$	29.85	$	29.10	$	29.39	$	29.39	$	29.87	$	29.87	$	29.71	$	30.15
$	33.01	$	33.11	$	32.36	$	32.65	$	32.65	$	33.13	$	33.13	$	32.97	$	33.41
$	34.74	$	34.84	$	34.09	$	34.38	$	34.38	$	34.86	$	34.86	$	34.70	$	35.14
$	36.27	$	36.37	$	35.62	$	35.91	$	35.91	$	36.39	$	36.39	$	36.23	$	36.67



							24480	28128
	Sundays	Saturdays	Holidays	Days	off Peak Days	Peak Days	Peak Hours	Off Peak Hours
42370	5	5	1	31	11	20	320	424
42401	4	4	0	29	8	21	336	360
42430	4	4	0	31	8	23	368	376
42461	4	5	0	30	9	21	336	384
42491	5	4	1	31	10	21	336	408
42522	4	4	0	30	8	22	352	368
42552	5	5	1	31	11	20	320	424
42583	4	4	0	31	8	23	368	376
42614	4	4	1	30	9	21	336	384
42644	5	5	0	31	10	21	336	408
42675	4	4	1	30	9	21	336	384
42705	4	5	1	31	10	21	336	408
42736	5	4	1	31	10	21	336	408
42767	4	4	0	28	8	20	320	352
42795	4	4	0	31	8	23	368	376
42826	5	5	0	30	10	20	320	400
42856	4	4	1	31	9	22	352	392
42887	4	4	0	30	8	22	352	368
42917	5	5	1	31	11	20	320	424
42948	4	4	0	31	8	23	368	376
42979	4	5	1	30	10	20	320	400
43009	5	4	0	31	9	22	352	392
43040	4	4	1	30	9	21	336	384
43070	5	5	1	31	11	20	320	424
43101	4	4	1	31	9	22	352	392
43132	4	4	0	28	8	20	320	352
43160	4	5	0	31	9	22	352	392
43191	5	4	0	30	9	21	336	384
43221	4	4	1	31	9	22	352	392
43252	4	5	0	30	9	21	336	384
43282	5	4	1	31	10	21	336	408
43313	4	4	0	31	8	23	368	376
43344	5	5	1	30	11	19	304	416
43374	4	4	0	31	8	23	368	376
43405	4	4	1	30	9	21	336	384
43435	5	5	1	31	11	20	320	424
43466	4	4	1	31	9	22	352	392
43497	4	4	0	28	8	20	320	352
43525	5	5	0	31	10	21	336	408
43556	4	4	0	30	8	22	352	368

43586	4	4	1	31	9	22	352	392
43617	5	5	0	30	10	20	320	400
43647	4	4	1	31	9	22	352	392
43678	4	5	0	31	9	22	352	392
43709	5	4	1	30	10	20	320	400
43739	4	4	0	31	8	23	368	376
43770	4	5	1	30	10	20	320	400
43800	5	4	1	31	10	21	336	408
43831	4	4	1	31	9	22	352	392
43862	4	5	0	29	9	20	320	376
43891	5	4	0	31	9	22	352	392
43922	4	4	0	30	8	22	352	368
43952	5	5	1	31	11	20	320	424
43983	4	4	0	30	8	22	352	368
44013	4	4	1	31	9	22	352	392
44044	5	5	0	31	10	21	336	408
44075	4	4	1	30	9	21	336	384
44105	4	5	0	31	9	22	352	392
44136	5	4	1	30	10	20	320	400
44166	4	4	1	31	9	22	352	392
44197	5	5	1	31	11	20	320	424
44228	4	4	0	28	8	20	320	352
44256	4	4	0	31	8	23	368	376
44287	4	4	0	30	8	22	352	368
44317	5	5	1	31	11	20	320	424
44348	4	4	0	30	8	22	352	368
44378	4	5	1	31	10	21	336	408
44409	5	4	0	31	9	22	352	392
44440	4	4	1	30	9	21	336	384
44470	5	5	0	31	10	21	336	408
44501	4	4	1	30	9	21	336	384
44531	4	4	1	31	9	22	352	392

52608	46.5%	53.5%

Hours	Peak %	Off Peak %
744	0.430107527	0.569892473
696	0.482758621	0.517241379
744	0.494623656	0.505376344
720	0.466666667	0.533333333
744	0.451612903	0.548387097
720	0.488888889	0.511111111
744	0.430107527	0.569892473
744	0.494623656	0.505376344
720	0.466666667	0.533333333
744	0.451612903	0.548387097
720	0.466666667	0.533333333
744	0.451612903	0.548387097
744	0.451612903	0.548387097
672	0.476190476	0.523809524
744	0.494623656	0.505376344
720	0.444444444	0.555555556
744	0.47311828	0.52688172
720	0.488888889	0.511111111
744	0.430107527	0.569892473
744	0.494623656	0.505376344
720	0.444444444	0.555555556
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.430107527	0.569892473
744	0.47311828	0.52688172
672	0.476190476	0.523809524
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.451612903	0.548387097
744	0.494623656	0.505376344
720	0.422222222	0.577777778
744	0.494623656	0.505376344
720	0.466666667	0.533333333
744	0.430107527	0.569892473
744	0.47311828	0.52688172
672	0.476190476	0.523809524
744	0.451612903	0.548387097
720	0.488888889	0.511111111

744	0.47311828	0.52688172
720	0.444444444	0.555555556
744	0.47311828	0.52688172
744	0.47311828	0.52688172
720	0.444444444	0.555555556
744	0.494623656	0.505376344
720	0.444444444	0.555555556
744	0.451612903	0.548387097
744	0.47311828	0.52688172
696	0.459770115	0.540229885
744	0.47311828	0.52688172
720	0.488888889	0.511111111
744	0.430107527	0.569892473
720	0.488888889	0.511111111
744	0.47311828	0.52688172
744	0.451612903	0.548387097
720	0.466666667	0.533333333
744	0.47311828	0.52688172
720	0.444444444	0.555555556
744	0.47311828	0.52688172
744	0.430107527	0.569892473
672	0.476190476	0.523809524
744	0.494623656	0.505376344
720	0.488888889	0.511111111
744	0.430107527	0.569892473
720	0.488888889	0.511111111
744	0.451612903	0.548387097
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.451612903	0.548387097
720	0.466666667	0.533333333
744	0.47311828	0.52688172

WACC **7.24%** nominal, annual

NPV and Annualized Energy Costs $/MWh

NPV Of Energy Costs	$ 85,401,559
Levelized Payment	$ 29.63

Summary Table: Annual Wind QF Generation and Avoided Costs

Year	Generation (MWh)	Generation offsetting internal production (MWh)	Offset Purchases (MWh)	Average Offsetting Generation Avoided Cost ($/MWh)	Average Offset Purchase Price ($/MWh)	Total Offsetting Generation Avoided Cost ($)	Total Avoided Cost of Purchases ($)
2018	277,190	106,838	170,352	$ 15.68	$ 22.12	$ 1,675,452	$ 3,768,301
2019	277,190	94,385	182,805	$ 16.97	$ 24.27	$ 1,601,882	$ 4,437,440
2020	277,190	110,031	167,159	$ 20.48	$ 26.69	$ 2,253,903	$ 4,461,455
2021	277,190	99,391	177,799	$ 20.10	$ 28.09	$ 1,997,478	$ 4,993,631
2022	277,190	91,466	185,724	$ 21.74	$ 28.72	$ 1,988,765	$ 5,333,590
2023	277,190	89,955	187,235	$ 24.06	$ 30.52	$ 2,164,300	$ 5,713,630
2024	277,190	97,672	179,518	$ 24.29	$ 32.23	$ 2,372,236	$ 5,785,211
2025	277,190	84,714	192,476	$ 25.78	$ 33.77	$ 2,183,658	$ 6,500,488
2026	277,190	88,479	188,712	$ 26.77	$ 34.27	$ 2,368,457	$ 6,467,748
2027	277,190	79,027	198,164	$ 26.49	$ 34.35	$ 2,093,657	$ 6,807,303
2028	277,190	67,248	209,943	$ 28.66	$ 34.52	$ 1,927,174	$ 7,247,965
2029	277,190	70,534	206,656	$ 28.12	$ 35.10	$ 1,983,363	$ 7,253,591
2030	277,190	68,590	208,600	$ 28.32	$ 35.76	$ 1,942,291	$ 7,459,284
2031	277,190	60,583	216,607	$ 28.23	$ 36.72	$ 1,710,301	$ 7,954,864
2032	277,190	55,351	221,840	$ 30.34	$ 38.43	$ 1,679,440	$ 8,524,610
2033	277,190	60,299	216,891	$ 30.20	$ 39.79	$ 1,821,276	$ 8,631,037
2034	277,190	53,248	223,942	$ 30.31	$ 41.14	$ 1,613,732	$ 9,214,079
2035	277,190	55,170	222,020	$ 31.89	$ 41.89	$ 1,759,455	$ 9,301,412
2036	277,190	49,697	227,494	$ 30.93	$ 42.32	$ 1,537,351	$ 9,626,734

2037	277,190	49,272	227,919	$ 32.14	$ 43.48	$ 1,583,644	$ 9,910,586

Information Only
Total Avoided Cost
Levelized Payment
$26.86

					Total Avoided Cost
					Offer Price
Total Avoided Cost ($)	Average Avoided Cost ($/MWh)	REC Value	Regulation	Interconnection Upgrade Costs	Average Avoided Cost ($/MWh) With RECs
$ 5,443,753	$ 19.64	$ 0.40	$ (0.35)	$ (2.84)	**$ 16.85**
$ 6,039,323	$ 21.79	$ 0.44	$ (0.38)	$ (2.84)	**$ 19.01**
$ 6,715,358	$ 24.23	$ 0.48	$ (0.42)	$ (2.84)	**$ 21.45**
$ 6,991,109	$ 25.22	$ 0.51	$ (0.44)	$ (2.84)	**$ 22.45**
$ 7,322,356	$ 26.42	$ 0.52	$ (0.46)	$ (2.84)	**$ 23.65**
$ 7,877,930	$ 28.42	$ 0.56	$ (0.48)	$ (2.84)	**$ 25.65**
$ 8,157,447	$ 29.43	$ 0.58	$ (0.51)	$ (2.84)	**$ 26.67**
$ 8,684,146	$ 31.33	$ 0.61	$ (0.53)	$ (2.84)	**$ 28.57**
$ 8,836,205	$ 31.88	$ 0.62	$ (0.54)	$ (2.84)	**$ 29.12**
$ 8,900,960	$ 32.11	$ 0.62	$ (0.54)	$ (2.84)	**$ 29.35**
$ 9,175,139	$ 33.10	$ 0.63	$ (0.55)	$ (2.84)	**$ 30.34**
$ 9,236,954	$ 33.32	$ 0.63	$ (0.55)	$ (2.84)	**$ 30.57**
$ 9,401,575	$ 33.92	$ 0.65	$ (0.56)	$ (2.84)	**$ 31.16**
$ 9,665,165	$ 34.87	$ 0.66	$ (0.58)	$ (2.84)	**$ 32.12**
$ 10,204,050	$ 36.81	$ 0.69	$ (0.60)	$ (2.84)	**$ 34.06**
$ 10,452,313	$ 37.71	$ 0.71	$ (0.62)	$ (2.84)	**$ 34.96**
$ 10,827,812	$ 39.06	$ 0.74	$ (0.64)	$ (2.84)	**$ 36.32**
$ 11,060,868	$ 39.90	$ 0.75	$ (0.65)	$ (2.84)	**$ 37.16**
$ 11,164,085	$ 40.28	$ 0.76	$ (0.66)	$ (2.84)	**$ 37.54**

$ 11,494,230	$ 41.47	$ 0.78	$ (0.68)	$ (2.84)	**$ 38.73**

Discount Rate	7.24%
Escalation Rate	2.00%

Nameplate Capacity 60

		Yearly Price/MW	Creditted Capacity Per Project	Avoided Cost Each Project Per year	3 Projects
Capacity Value	2018	$ 42,000	0.60	NA	NA
	2019	$ 42,840	0.60	$ 25,704	$ 77,112
	2020	$ 43,697	TBD	TBD	TBD
	2021	$ 44,571	TBD	TBD	TBD
	2022	$ 45,462	TBD	TBD	TBD
	2023	$ 46,371	TBD	TBD	TBD
	2024	$ 47,299	TBD	TBD	TBD
	2025	$ 48,245	TBD	TBD	TBD
	2026	$ 49,210	TBD	TBD	TBD
	2027	$ 50,194	TBD	TBD	TBD
	2028	$ 51,198	TBD	TBD	TBD
	2029	$ 52,222	TBD	TBD	TBD
	2030	$ 53,266	TBD	TBD	TBD
	2031	$ 54,331	TBD	TBD	TBD
	2032	$ 55,418	TBD	TBD	TBD
	2033	$ 56,526	TBD	TBD	TBD
	2034	$ 57,657	TBD	TBD	TBD
	2035	$ 58,810	TBD	TBD	TBD
	2036	$ 59,986	TBD	TBD	TBD
	2037	$ 61,186	TBD	TBD	TBD

Include protocal tariff from SPP. NorthWestern will include the protocal for each year in or

Market Protocols for SPP Integrated Marketplace

4.1.2.2 Wind-Powered Generation Resource Output Forecasts

4.1.2.3 Wind-Powered Generation Resource Data Requirements

SPP Planning Criteria Version 1, 11/20/2015, 7.1.5.3 (7)

The recommended methodology to evaluate the net planning capability established for winc

a. Assemble all available hourly net power output (MWH) data measured

b. Select the hourly net power output values occurring during the top 3% (

c. Select the hourly net power output value that can be expected from the

d. A seasonal or annual net capability may be determined by selecting the

e. Facilities in commercial operation 3 years or less:

i. The data must include the most recent 3 years.

f. Values may be calculated from wind or solar data, if measured MW valu

g. If the Load Serving Entity chooses not to perform the net capability calc

h. Facilities in commercial operation 4 years and greater:

i. The data must include all available data up to the mc

ii. Only metered hourly net power output (MWH) data

iii. After three years of commercial operations, if the L

i. The net capability calculation shall be updated at least once every three

Exhibit A: Capacity Quantity and Capacity Price by Year

	Capacity Quantity (MW)	Capacity Price ($/kW-mo.)	Annual Total ($)
2016	30	$3.50	$1,260,000
2017	30	$3.50	$1,260,000
2018	35	$3.50	$1,470,000
Transaction Total			$3,990,000

rder to calcualte accredited capacity. The curren protocal from 2016 is below:

d or solar facilities shall be determined on a monthly basis, as stated below. If a member's desire
at the system interconnection point.
of load hours for the SPP Load Serving Entity for each month of each year for the evaluation peri
e facility 60% of the time or greater. For example, for a 5 year period with the 110 hourly net po
appropriate monthly MW values corresponding to the Load Serving Entity's peak load month of

ues are not yet available. Wind data correlated with a reference tower beyond fifty miles is subje
culations as described above during the first 3 years of commercial operation, the Load Serving E

ost recent 10 years of commercial operation.
may be used.
oad Serving Entity does not perform or provide the net capability calculations to SPP as describe
years.

ɛ to use a more restrictive methodology to evalutate the net capabitlity of wind or solar they may do so, h

iod
wer output values ranked from the highest to lowest, the capacity of the facility will be the MW value in t
ɛ the season of interest (e.g., 22 hours for a typical 30 day month and 110 hours for a 5 year period).

ct to Generation Working Group approval. Solar data correlated with a reference measuring device beyo
ntity may submit 5% for wind facilities and 10% for solar facilities of the site facility's nameplate rating.

d above, then the net capability for the resource will be 0 MW.

however net capability determined by the alternative methodology employed cannot credit the wind or solar with

the 65th data point.

nd two hundred miles is subject to Generation Working Group approval. For calculated values, at least one year m

a capability greater than determined with the methodology stated below:

ust be based on site specific data.

	Cost per MWh	EIA escalation
2015	$ 0.24	
2016	$ 0.28	18%
2017	$ 0.32	14%
2018	$ 0.35	9%
2019	$ 0.38	9%
2020	$ 0.42	9%
2021	$ 0.44	5%
2022	$ 0.46	4%
2023	$ 0.48	6%
2024	$ 0.51	5%
2025	$ 0.53	5%
2026	$ 0.54	2%
2027	$ 0.54	0%
2028	$ 0.55	1%
2029	$ 0.55	1%
2030	$ 0.56	2%
2031	$ 0.58	3%
2032	$ 0.60	5%
2033	$ 0.62	3%
2034	$ 0.64	3%
2035	$ 0.65	2%
2036	$ 0.66	1%
2037	$ 0.68	3%

2015 Integrated Marke

- **Average**
  - Annua
  - $7.6 n
  - **= $0.2**

etplace Review: Regulation Support for Wind Integration (Feb 2, 2016)

e cost of regulation per MWhr of wind energy:

al regulation cost for wind / Annual wind energy

nillion / 32.1 million MWhr

24/MWhr

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	**NorthWestern Energy**														
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
5			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6	**Rate Base:**														
7															
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252
9															
10	Less:														
11	Accumulated Depreciation (Book Life)		150,720	301,441	452,161	602,882	753,602	904,323	1,055,043	1,205,764	1,356,484	1,507,205	1,657,925	1,808,645	1,959,366
12	Deferred Income Taxes		76,515	269,252	437,241	583,140	709,073	816,996	916,429	1,015,666	1,114,963	1,214,003	1,313,301	1,412,341	1,511,638
13															
14	Total Year End Rate Base		$ 7,064,017	$ 6,720,559	$ 6,401,850	$ 6,105,230	$ 5,828,577	$ 5,569,933	$ 5,319,780	$ 5,069,823	$ 4,819,805	$ 4,570,044	$ 4,320,026	$ 4,070,266	$ 3,820,248
15															
16	Average Annual Rate Base		$ 7,177,634	$ 6,892,288	$ 6,561,204	$ 6,253,540	$ 5,966,903	$ 5,699,255	$ 5,444,856	$ 5,194,801	$ 4,944,814	$ 4,694,924	$ 4,445,035	$ 4,195,146	$ 3,945,257
17															
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 519,661	$ 499,002	$ 475,031	$ 452,756	$ 432,004	$ 412,626	$ 394,208	$ 376,104	$ 358,005	$ 339,913	$ 321,821	$ 303,729	$ 285,637
19	Property Taxes	0.78%	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
20		0.00%	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Depreciation		150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720
22	Deferred Income Taxes @ 35%		76,515	192,738	167,988	145,900	125,933	107,923	99,433	99,237	99,297	99,040	99,297	99,040	99,297
23	Income Taxes		105,908	(17,567)	(1,233)	13,036	25,718	36,926	38,950	32,791	26,377	20,283	13,675	7,581	973
24															
25	**Total Revenue Requirement**		$ 909,887	$ 881,975	$ 849,590	$ 819,496	$ 791,459	$ 765,278	$ 740,394	$ 715,935	$ 691,483	$ 667,040	$ 642,596	$ 618,153	$ 593,710

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		1	2	3	4	5	6	7	8	9	10	11	12	13
5			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
26															
27	**Income Taxes:**														
28	Revenues		$ 909,887	$ 881,975	$ 849,590	$ 819,496	$ 791,459	$ 765,278	$ 740,394	$ 715,935	$ 691,483	$ 667,040	$ 642,596	$ 618,153	$ 593,710
29	Property Taxes		57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
30			-	-	-	-	-	-	-	-	-	-	-	-	-
31		MACRS													
32		yes													
33	Tax Depreciation	15	367,536	698,318	628,486	566,005	509,405	457,950	433,692	433,692	434,427	433,692	434,427	433,692	434,427
34	Tax Depreciation	7	1,798	3,081	2,201	1,571	1,124	1,122	1,124	561	-	-	-	-	-
35			-	-	-	-	-	-	-	-	-	-	-	-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	180,876	173,686	165,342	157,589	150,366	143,621	137,210	130,909	124,609	118,312	112,015	105,718	99,420
37	Federal Taxable Income		$ 302,593	$ (50,193)	$ (3,522)	$ 37,247	$ 73,481	$ 105,502	$ 111,285	$ 93,690	$ 75,363	$ 57,952	$ 39,071	$ 21,660	$ 2,779
38															
39	Federal Income Tax @ 35%	35.00%	$ 105,908	$ (17,567)	$ (1,233)	$ 13,036	$ 25,718	$ 36,926	$ 38,950	$ 32,791	$ 26,377	$ 20,283	$ 13,675	$ 7,581	$ 973
40															
41	Federal Taxable Income		$ 302,593	$ (50,193)	$ (3,522)	$ 37,247	$ 73,481	$ 105,502	$ 111,285	$ 93,690	$ 75,363	$ 57,952	$ 39,071	$ 21,660	$ 2,779
42															
43															
44															
45															
46															
47	**Juhl Wind Interconnection Costs (60MW)**														
48	20-year PMT of the NPV of Rev Req Cost		$787,060.57												
49	Levelized Cost per MW		$ 2.84												
50															
51															

Brule County Facilities Study - Draft

	TPIF	NETWORK
Substation	$ 433,230	$ 1,940,946
Transmission	$ -	$ 137,877
Relaying	$ 47,451	$ 377,833
Metering	$ 14,286	$ -
Communications[1]	$ 37,817	$ 6,618
EMS	$ 994	$ 1,988
Lands & Permitting	$ -	$ 152,457
Subtotal	$ 533,778	$ 2,617,719
Distribution Subtotal	$ -	$ -

TPIF Upgrades	$ 533,778
Network Upgrades	$ 2,617,719
Distribution	$ -
TOTAL	$ 3,151,497

Davison County Facilities Study - Draft

	TPIF	NETWORK
Substation	$ 433,230	$ 1,947,671
Transmission	$ -	$ 121,526
Relaying	$ 47,451	$ 377,833
Metering	$ 40,780	$ -
Communications[1]	$ 37,817	$ -
EMS	$ 994	$ 1,988
Lands & Permitting	$ -	$ 157,683
Subtotal	$ 560,272	$ 2,606,701
Distribution Subtotal	$ 2,257	$ 10,212

TPIF Upgrades	$ 560,272
Network Upgrades	$ 2,606,701
Distribution	$ 12,469
TOTAL	$ 3,179,442

Aurora County Facilities Study - Draft

	TPIF	NETWORK
Substation	$ 433,230	$ 1,638,987
Transmission	$ -	$ 175,274
Relaying	$ 47,451	$ 377,833
Metering	$ 14,158	$ -
Communications[1]	$ 31,435	$ 18,723
EMS	$ 1,408	$ 2,751
Lands & Permitting	$ -	$ 155,224
Subtotal	$ 527,682	$ 2,368,792
Distribution Subtotal	$ -	$ -

TPIF Upgrades	$ 527,682
Network Upgrades	$ 2,368,792
Distribution	$ -
TOTAL	$ 2,896,474

	A	B	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	**NorthWestern Energy**													
2	**Revenue Requirement - Regulated**													
3	**Juhl Wind (Brule, Davison, Aurora)**													
4	**Network Upgrades**		**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
5			2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
6	**Rate Base:**													
7														
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252
9														
10	Less:													
11	Accumulated Depreciation (Book Life)		2,110,086	2,260,807	2,411,527	2,562,248	2,712,968	2,863,689	3,014,409	3,165,129	3,315,850	3,466,570	3,617,291	3,768,011
12	Deferred Income Taxes		1,610,678	1,709,976	1,733,120	1,680,368	1,627,615	1,574,863	1,522,111	1,469,359	1,416,607	1,363,855	1,311,102	1,258,350
13														
14	Total Year End Rate Base		$ 3,570,487	$ 3,320,469	$ 3,146,605	$ 3,048,637	$ 2,950,668	$ 2,852,700	$ 2,754,732	$ 2,656,764	$ 2,558,795	$ 2,460,827	$ 2,362,859	$ 2,264,890
15														
16	Average Annual Rate Base		$ 3,695,368	$ 3,445,478	$ 3,233,537	$ 3,097,621	$ 2,999,653	$ 2,901,684	$ 2,803,716	$ 2,705,748	$ 2,607,779	$ 2,509,811	$ 2,411,843	$ 2,313,875
17														
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 267,545	$ 249,453	$ 234,108	$ 224,268	$ 217,175	$ 210,082	$ 202,989	$ 195,896	$ 188,803	$ 181,710	$ 174,617	$ 167,525
19	Property Taxes	0.78%	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
20		0.00%	-	-	-	-	-	-	-	-				
21	Depreciation		150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720
22	Deferred Income Taxes @ 35%		99,040	99,297	23,144	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)
23	Income Taxes		(5,121)	(11,729)	59,038	131,479	128,989	126,500	124,010	121,520				
24														
25	**Total Revenue Requirement**		$ 569,267	$ 544,824	$ 524,093	$ 510,799	$ 501,216	$ 491,633	$ 482,050	$ 472,467	$ 343,855	$ 336,762	$ 329,669	$ 322,576

	A	B	P	Q	R	S	T	U	V	W	X	Y	Z	AA
2	**Revenue Requirement - Regulated**													
3	**Juhl Wind (Brule, Davison, Aurora)**													
4	**Network Upgrades**		**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
5			2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
26														
27	**Income Taxes:**													
28	Revenues		$ 569,267	$ 544,824	$ 524,093	$ 510,799	$ 501,216	$ 491,633	$ 482,050	$ 472,467	$ 343,855	$ 336,762	$ 329,669	$ 322,576
29	Property Taxes		57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083	57,083
30			-	-	-	-	-	-	-	-				
31		**MACRS**												
32		**yes**												
33	Tax Depreciation	**15**	433,692	434,427	216,846	-	-	-	-	-	-	-	-	-
34	Tax Depreciation	**7**	-	-	-	-	-	-	-	-	-	-	-	-
35			-	-	-	-	-	-	-	-	-	-	-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	93,123	86,826	81,485	78,060	75,591	73,122	70,654	68,185	65,716	63,247	60,778	58,310
37	Federal Taxable Income		$ (14,631)	$ (33,512)	$ 168,679	$ 375,655	$ 368,541	$ 361,427	$ 354,313	$ 347,199	$ 221,055	$ 216,431	$ 211,807	$ 207,183
38														
39	Federal Income Tax @ 35%	35.00%	$ (5,121)	$ (11,729)	$ 59,038	$ 131,479	$ 128,989	$ 126,500	$ 124,010	$ 121,520	$ 77,369	$ 75,751	$ 74,133	$ 72,514
40														
41	Federal Taxable Income		$ (14,631)	$ (33,512)	$ 168,679	$ 375,655	$ 368,541	$ 361,427	$ 354,313	$ 347,199	$ 221,055	$ 216,431	$ 211,807	$ 207,183
42														
43														
44														
45														
46														
47	**Juhl Wind Interconnection Costs (60MW)**													
48	20-year PMT of the NPV of Rev Req Cost													
49	Levelized Cost per MW													
50														
51														
52	Brule County Facilities Study - Draft													
53														
54		**TPIF**	**NETWO**											
55	Substation	**$ 433,230**	**$ 1,**											
56	Transmission	**$ -**	**$**											
57	Relaying	**$ 47,451**	**$**											
58	Metering	**$ 14,286**	**$**											
59	Communications[1]	**$ 37,817**	**$**											
60	EMS	**$ 994**	**$**											
61	Lands & Permitting	**$ -**	**$**											
62	**Subtotal**	**$ 533,778**	**$ 2,**											
63														
64	**Distribution Subtotal**	**$ -**	**$**											
65														
66	TPIF Upgrades	**$ 533,778**												
67	Network Upgrades	**$ 2,617,719**												
68	Distribution	**$ -**												
69	**TOTAL**	**$ 3,151,497**												
70														
71														
72														
73														

	A	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	**NorthWestern Energy**														
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**
5			2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
6	**Rate Base:**														
7															
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252	$ 7,291,252
9															
10	Less:														
11	Accumulated Depreciation (Book Life)		3,918,732	4,069,452	4,220,173	4,370,893	4,521,614	4,672,334	4,823,054	4,973,775	5,124,495	5,275,216	5,425,936	5,576,657	5,727,377
12	Deferred Income Taxes		1,205,598	1,152,846	1,100,094	1,047,342	994,590	941,837	889,085	836,333	783,581	730,829	678,077	625,324	572,572
13															
14	Total Year End Rate Base		$ 2,166,922	$ 2,068,954	$ 1,970,986	$ 1,873,017	$ 1,775,049	$ 1,677,081	$ 1,579,112	$ 1,481,144	$ 1,383,176	$ 1,285,207	$ 1,187,239	$ 1,089,271	$ 991,303
15															
16	Average Annual Rate Base		$ 2,215,906	$ 2,117,938	$ 2,019,970	$ 1,922,001	$ 1,824,033	$ 1,726,065	$ 1,628,097	$ 1,530,128	$ 1,432,160	$ 1,334,192	$ 1,236,223	$ 1,138,255	$ 1,040,287
17															
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 160,432	$ 153,339	$ 146,246	$ 139,153	$ 132,060	$ 124,967	$ 117,874	$ 110,781	$ 103,688	$ 96,595	$ 89,503	$ 82,410	$ 75,317
19	Property Taxes	0.78%	-	-	-	-	-	-	-	-	-	-	-	-	-
20		0.00%													
21	Depreciation		150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720	150,720
22	Deferred Income Taxes @ 35%		(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)	(52,752)
23	Income Taxes														
24															
25	**Total Revenue Requirement**		$ 258,400	$ 251,307	$ 244,214	$ 237,121	$ 230,028	$ 222,935	$ 215,842	$ 208,750	$ 201,657	$ 194,564	$ 187,471	$ 180,378	$ 173,285

	A	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
2	**Revenue Requirement - Regulated**														
3	**Juhl Wind (Brule, Davison, Aurora)**														
4	**Network Upgrades**		**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**
5			2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
26															
27	**Income Taxes:**														
28	Revenues		$ 258,400	$ 251,307	$ 244,214	$ 237,121	$ 230,028	$ 222,935	$ 215,842	$ 208,750	$ 201,657	$ 194,564	$ 187,471	$ 180,378	$ 173,285
29	Property Taxes		-	-	-	-	-	-	-	-	-	-	-	-	-
30															
31		**MACRS**													
32		**yes**													
33	Tax Depreciation	**15**	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Tax Depreciation	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-
35			-	-	-	-	-	-	-	-	-	-	-	-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	55,841	53,372	50,903	48,434	45,966	43,497	41,028	38,559	36,090	33,622	31,153	28,684	26,215
37	Federal Taxable Income		$ 202,559	$ 197,935	$ 193,311	$ 188,687	$ 184,063	$ 179,439	$ 174,814	$ 170,190	$ 165,566	$ 160,942	$ 156,318	$ 151,694	$ 147,070
38															
39	Federal Income Tax @ 35%	35.00%	$ 70,896	$ 69,277	$ 67,659	$ 66,040	$ 64,422	$ 62,803	$ 61,185	$ 59,567	$ 57,948	$ 56,330	$ 54,711	$ 53,093	$ 51,474
40															
41	Federal Taxable Income		$ 202,559	$ 197,935	$ 193,311	$ 188,687	$ 184,063	$ 179,439	$ 174,814	$ 170,190	$ 165,566	$ 160,942	$ 156,318	$ 151,694	$ 147,070
42															
43															
44															
45															
46															
47	**Juhl Wind Interconnection Costs (60MW)**														
48	20-year PMT of the NPV of Rev Req Cost														
49	Levelized Cost per MW														
50															
51															
52	Brule County Facilities Study - Draft														
53															
54		**TPIF**	**NETWO**												
55	Substation	**$ 433,230**	**$ 1,**												
56	Transmission	**$ -**	**$**												
57	Relaying	**$ 47,451**	**$**												
58	Metering	**$ 14,286**	**$**												
59	Communications[1]	**$ 37,817**	**$**												
60	EMS	**$ 994**	**$**												
61	Lands & Permitting	**$ -**	**$**												
62	**Subtotal**	**$ 533,778**	**$ 2,**												
63															
64	**Distribution Subtotal**	**$ -**	**$**												
65															
66	TPIF Upgrades	**$ 533,778**													
67	Network Upgrades	**$ 2,617,719**													
68	Distribution	**$ -**													
69	**TOTAL**	**$ 3,151,497**													
70															
71															
72															
73															

	A	B	AO	AP
1	**NorthWestern Energy**			
2	**Revenue Requirement - Regulated**			
3	**Juhl Wind (Brule, Davison, Aurora)**			
4	**Network Upgrades**		**39**	**40**
5			2056	2057
6	**Rate Base:**			
7				
8	Project Capitalize? (yes = capital, no = expense)	**yes**	$ 7,291,252	$ 7,291,252
9				
10	Less:			
11	Accumulated Depreciation (Book Life)		5,878,098	6,028,818
12	Deferred Income Taxes		519,820	467,068
13				
14	Total Year End Rate Base		$ 893,334	$ 795,366
15				
16	Average Annual Rate Base		$ 942,318	$ 844,350
17				
18	Return (Avg. Rate Base*Cost of Capital)	7.24%	$ 68,224	$ 61,131
19	Property Taxes	0.78%	-	-
20		0.00%		
21	Depreciation		150,720	150,720
22	Deferred Income Taxes @ 35%		(52,752)	(52,752)
23	Income Taxes			
24				
25	**Total Revenue Requirement**		$ 166,192	$ 159,099

	A	B	AO	AP
2	**Revenue Requirement - Regulated**			
3	**Juhl Wind (Brule, Davison, Aurora)**			
4	**Network Upgrades**		**39**	**40**
5			2056	2057
26				
27	**Income Taxes:**			
28	Revenues		$ 166,192	$ 159,099
29	Property Taxes		-	-
30				
31		**MACRS**		
32		**yes**		
33	Tax Depreciation	**15**	-	-
34	Tax Depreciation	**7**	-	-
35			-	-
36	Interest Expense (Based on Avg. Rate Base)	2.52%	23,746	21,278
37	Federal Taxable Income		$ 142,446	$ 137,822
38				
39	Federal Income Tax @ 35%	35.00%	$ 49,856	$ 48,238
40				
41	Federal Taxable Income		$ 142,446	$ 137,822
42				
43				
44				
45				
46				
47	**Juhl Wind Interconnection Costs (60MW)**			
48	20-year PMT of the NPV of Rev Req Cost			
49	Levelized Cost per MW			
50				
51				
52	Brule County Facilities Study - Draft			
53				
54		**TPIF**	**NETWO**	
55	Substation	**$ 433,230**	**$ 1,**	
56	Transmission	**$ -**	**$**	
57	Relaying	**$ 47,451**	**$**	
58	Metering	**$ 14,286**	**$**	
59	Communications[1]	**$ 37,817**	**$**	
60	EMS	**$ 994**	**$**	
61	Lands & Permitting	**$ -**	**$**	
62	**Subtotal**	**$ 533,778**	**$ 2,**	
63				
64	**Distribution Subtotal**	**$ -**	**$**	
65				
66	TPIF Upgrades	**$ 533,778**		
67	Network Upgrades	**$ 2,617,719**		
68	Distribution	**$ -**		
69	**TOTAL**	**$ 3,151,497**		
70				
71				
72				
73				

				Book Depreciation																				
Network Plant:	Basis	tax life	Book Life	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035			
Transmission	434,677	15	50	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694			
Metering	-	15																						
Lands & Permitting	465,364	0	0																					
Substation/Relaying	6,359,143	15	45	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314
EMS & Communications	32,068	7	45	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713
	7,291,252			$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720

Tax Depreciation **MACRS**
Tax Depreciation - Yrs **15**

Vintage Yr	Annual Expenditure	1 2017	2 2018	3 2019	4 2020	5 2021	6 2022	7 2023	8 2024	9 2025	10 2026	11 2027	12 2028	13 2029	14 2030	15 2031	16 2032	17 2033	18 2034	19 2035	20 2036	21 2037	22 2038	23 2039
2017	$ 6,793,820	$ 339,691	$ 645,413	$ 580,872	$ 523,124	$ 470,812	$ 423,255	$ 400,835	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 200,418	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2018	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2019	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020	$ -				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021	$ -					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022	$ -						$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2023	$ -							$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2024	$ -								$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2025	$ -									$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2026	$ -										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2027	$ -											$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2028	$ -												$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2029	$ -													$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2030	$ -														$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2031	$ -															$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2032	$ -																$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2033	$ -																	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2034	$ -																		$ -	$ -	$ -	$ -	$ -	$ -	$ -
2035	$ -																			$ -	$ -	$ -	$ -	$ -	$ -
2036	$ -																				$ -	$ -	$ -	$ -	$ -
2037	$ -																					$ -	$ -	$ -	$ -
2038	$ -																						$ -	$ -	$ -
2039	$ -																							$ -	$ -
2040	$ -																								
2041	$ -																								
2042	$ -																								
2043	$ -																								
2044	$ -																								
2045	$ -																								
2046	$ -																								
Total	$ 6,793,820	$ 339,691	$ 645,413	$ 580,872	$ 523,124	$ 470,812	$ 423,255	$ 400,835	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 400,835	$ 401,515	$ 200,418	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Tax Depreciation **MACRS**
Tax Depreciation - Yrs **7**

Vintage Yr	Annual Expenditure	1 2017	2 2018	3 2019	4 2020	5 2021	6 2022	7 2023	8 2024	9 2025	10 2026	11 2027	12 2028	13 2029	14 2030	15 2031	16 2032	17 2033	18 2034	19 2035	20 2036	21 2037	22 2038	23 2039
2017	$ 32,068	$ 4,583	$ 7,853	$ 5,609	$ 4,005	$ 2,864	$ 2,860	$ 2,864	$ 1,430	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2018	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2019	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020	$ -				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021	$ -					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022	$ -						$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2023	$ -							$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2024	$ -								$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2025	$ -									$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2026	$ -										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2027	$ -											$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2028	$ -												$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2029	$ -													$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2030	$ -														$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2031	$ -															$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2032	$ -																$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2033	$ -																	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2034	$ -																		$ -	$ -	$ -	$ -	$ -	$ -
2035	$ -																			$ -	$ -	$ -	$ -	$ -
2036	$ -																				$ -	$ -	$ -	$ -
2037	$ -																					$ -	$ -	$ -
2038	$ -																						$ -	$ -
2039	$ -																							$ -
2040	$ -																							
2041	$ -																							

| | | |

2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057
$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694	$ 8,694
$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314	$ 141,314
$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713	$ 713
$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720	$ 150,720

24	25	26	27	28	29	30
2040	2041	2042	2043	2044	2045	2046
$ -	$ -	$ -	$ -	$ -	$ -	$ -

																		$	-	$	-
																		$	-	$	-
																		$	-	$	-
																		$	-	$	-
																		$	-	$	-
$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-

Electric Power Projections by Electricity Market Module Region
http://www.eia.gov/forecasts/aeo/data/browser/#/?id=62-AEO2016&region=3-17&cases=ref_no_cpp&s
Tue Oct 11 2016 11:20:40 GMT-0600 (Mountain Daylight Time)
Source: U.S. Energy Information Administration

Southwest Power Pool / North	full name	api key	units	2014
Net Summer Electricity Generating Capacity		62-AEO2016.2.		
(gigawatts)		62-AEO2016.3.		
Electric Power Sector		62-AEO2016.4.		
Coal	Electricity:	62-AEO201	GW	8.508699
Oil and Natural Gas Steam 3		Electricity:	62-AEO201	GW
Combined Cycle	Electricity:	62-AEO201	GW	1.3382
Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	5.3216
Nuclear Power	Electricity:	62-AEO201	GW	1.175
Pumped Storage	Electricity:	62-AEO201	GW	
Fuel Cells	Electricity:	62-AEO201	GW	
Renewable Sources	Electricity:	62-AEO201	GW	3.0025
Distributed Generation	Electricity:	62-AEO201	GW	
Total Capacity	Electricity:	62-AEO201	GW	21.1004
Cumulative Planned Additions		62-AEO2016.16.		
Coal	Electricity:	62-AEO201	GW	- -
Oil and Natural Gas Steam	Electricity:	62-AEO201	GW	- -
Combined Cycle	Electricity:	62-AEO201	GW	- -
Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	- -
Nuclear Power	Electricity:	62-AEO201	GW	- -
Pumped Storage	Electricity:	62-AEO201	GW	- -
Fuel Cells	Electricity:	62-AEO201	GW	- -
Renewable Sources	Electricity:	62-AEO201	GW	- -
Distributed Generation	Electricity:	62-AEO201	GW	- -
Total Planned Additions	Electricity:	62-AEO201	GW	- -
Cumulative Unplanned Additions		62-AEO2016.27.		
Coal	Electricity:	62-AEO201	GW	- -
Oil and Natural Gas Steam	Electricity:	62-AEO201	GW	- -
Combined Cycle	Electricity:	62-AEO201	GW	- -
Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	- -
Nuclear Power	Electricity:	62-AEO201	GW	- -
Pumped Storage	Electricity:	62-AEO201	GW	- -
Fuel Cells	Electricity:	62-AEO201	GW	- -
Renewable Sources	Electricity:	62-AEO201	GW	- -
Distributed Generation	Electricity:	62-AEO201	GW	- -
Total Unplanned Additions	Electricity:	62-AEO201	GW	- -
Cumulative Electric Power Sector Additions	Electricity:	62-AEO201	GW	- -
Cumulative Retirements		62-AEO2016.40.		
Coal	Electricity:	62-AEO201	GW	- -
Oil and Natural Gas Steam	Electricity:	62-AEO201	GW	- -
Combined Cycle	Electricity:	62-AEO201	GW	- -
Combustion Turbine/Diesel	Electricity:	62-AEO201	GW	- -
Nuclear Power	Electricity:	62-AEO201	GW	- -

Pumped Storage	Electricity:	62-AEO201	GW	- -
Fuel Cells	Electricity:	62-AEO201	GW	- -
Renewable Sources	Electricity:	62-AEO201	GW	- -
Total	Electricity:	62-AEO201	GW	- -
End-Use Sectors		62-AEO2016.52.		
Coal	Electricity:	62-AEO201	GW	
Petroleum	Electricity:	62-AEO201	GW	
Natural Gas	Electricity:	62-AEO201	GW	0.030283
Other Gaseous Fuels	Electricity:	62-AEO201	GW	
Renewable Sources	Electricity:	62-AEO201	GW	0.004058
Other	Electricity:	62-AEO201	GW	
Total	Electricity:	62-AEO201	GW	0.034342
Electricity Sales		62-AEO2016.61.		
(billion kilowatthours)		62-AEO2016.62.		
Residential	Electricity:	62-AEO201	BkWh	22.68072
Commercial/Other	Electricity:	62-AEO201	BkWh	25.53371
Industrial	Electricity:	62-AEO201	BkWh	15.47496
Transportation	Electricity:	62-AEO201	BkWh	0.027079
Total Sales	Electricity:	62-AEO201	BkWh	63.71647
Net Energy for Load (billion kilowatthours)		62-AEO2016.69.		
Gross International Imports	Electricity:	62-AEO201	BkWh	
Gross International Exports	Electricity:	62-AEO201	BkWh	
Gross Interregional Electricity Imports	Electricity:	62-AEO201	BkWh	4.374117
Gross Interregional Electricity Exports	Electricity:	62-AEO201	BkWh	3.818949
Purchases from Combined Heat and Power	Electricity:	62-AEO201	BkWh	0.058378
Electric Power Sector Generation for Customer	Electricity:	62-AEO201	BkWh	71.18238
Total Net Energy for Load	Electricity:	62-AEO201	BkWh	71.79593
Generation by Fuel Type		62-AEO2016.78.		
(billion kilowatthours)		62-AEO2016.79.		
Electric Power Sector		62-AEO2016.80.		
Coal	Electricity:	62-AEO201	BkWh	46.96069
Petroleum	Electricity:	62-AEO201	BkWh	0.113
Natural Gas	Electricity:	62-AEO201	BkWh	4.529696
Nuclear	Electricity:	62-AEO201	BkWh	8.558
Pumped Storage/Other	Electricity:	62-AEO201	BkWh	0.0006
Renewable Sources	Electricity:	62-AEO201	BkWh	11.0204
Distributed Generation	Electricity:	62-AEO201	BkWh	
Total Generation	Electricity:	62-AEO201	BkWh	71.18238
Sales to Customers	Electricity:	62-AEO201	BkWh	71.18238
Generation for Own Use	Electricity:	62-AEO201	BkWh	
End-Use Sectors		62-AEO2016.93.		
Coal	Electricity:	62-AEO201	BkWh	
Petroleum	Electricity:	62-AEO201	BkWh	
Natural Gas	Electricity:	62-AEO201	BkWh	0.091873
Other Gaseous Fuels	Electricity:	62-AEO201	BkWh	
Renewable Sources	Electricity:	62-AEO201	BkWh	0.00559
Other	Electricity:	62-AEO201	BkWh	

Total	Electricity:	62-AEO201	BkWh	0.097463
Sales to the Grid	Electricity:	62-AEO201	BkWh	0.058378
Generation for Own Use	Electricity:	62-AEO201	BkWh	0.039086
Total Electricity Generation	Electricity:	62-AEO201	BkWh	71.27985
End-Use Prices		62-AEO2016.106.		
(2015 cents per kilowatthour)		62-AEO2016.107.		
Residential	Electricity:	62-AEO201	2015 cents	12.09173
Commercial	Electricity:	62-AEO201	2015 cents	10.03587
Industrial	Electricity:	62-AEO201	2015 cents	7.853609
Transportation	Electricity:	62-AEO201	2015 cents	11.32231
All Sectors Average	Electricity:	62-AEO201	2015 cents	10.24878
(nominal cents per kilowatthour)		62-AEO2016.113.		
Residential	Electricity:	62-AEO201	nom cents/	11.9667
Commercial	Electricity:	62-AEO201	nom cents/	9.9321
Industrial	Electricity:	62-AEO201	nom cents/	7.7724
Transportation	Electricity:	62-AEO201	nom cents/	11.20523
All Sectors Average	Electricity:	62-AEO201	nom cents/	10.1428
Prices by Service Category		62-AEO2016.120.		
(2015 cents per kilowatthour)		62-AEO2016.121.		
Generation	Electricity:	62-AEO201	2015 cents	6.814224
Transmission	Electricity:	62-AEO201	2015 cents	1.015802
Distribution	Electricity:	62-AEO201	2015 cents	2.41875
(nominal cents per kilowatthour)		62-AEO2016.125.		
Generation	Electricity:	62-AEO201	nom cents/	6.743763
Transmission	Electricity:	62-AEO201	nom cents/	1.005298
Distribution	Electricity:	62-AEO201	nom cents/	2.393739
Fuel Consumption (quadrillion Btu)		62-AEO2016.130.		
Coal	Electricity:	62-AEO201	quads	0.504826
Natural Gas	Electricity:	62-AEO201	quads	0.045575
Oil	Electricity:	62-AEO201	quads	0.001494
Total	Electricity:	62-AEO201	quads	0.551895
Fuel Prices to the Electric Power Sector		62-AEO2016.136.		
(2015 dollars per million Btu)		62-AEO2016.137.		
Coal	Electricity:	62-AEO201	2015 $/MM	1.961943
Natural Gas	Electricity:	62-AEO201	2015 $/MM	5.554363
Distillate Fuel Oil	Electricity:	62-AEO201	2015 $/MM	24.18631
Residual Fuel Oil	Electricity:	62-AEO201	2015 $/MM	11.90122
(nominal dollars per million Btu)		62-AEO2016.143.		
Coal	Electricity:	62-AEO201	nom $/MM	1.941656
Natural Gas	Electricity:	62-AEO201	nom $/MM	$ 5.50
Distillate Fuel Oil	Electricity:	62-AEO201	nom $/MM	23.93622
Residual Fuel Oil	Electricity:	62-AEO201	nom $/MM	11.77816
Emissions from the Electric Power Sector		62-AEO2016.150.		
Total Carbon (million short tons)	Electricity:	62-AEO201	MMst	15.21285
Carbon Dioxide (million short tons)	Electricity:	62-AEO201	MMst	55.78043

Sulfur Dioxide (million short tons)	Electricity: 62-AEO201 MMst	0.071216
Nitrogen Oxide (million short tons)	Electricity: 62-AEO201 MMst	0.04
Mercury (short tons)	Electricity: 62-AEO201 st	0.709685

;tart=2013&end=2040&f=A&linechart=ref_no_cpp-d032316a.5-62-AEO2016.3-17&sourcekey=0

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
8.4402	7.574	7.574	7.574	7.574	7.4771	7.4771	7.1371	7.5012	7.5012
1.7544	1.6694	1.7657	1.7657	1.7657	1.7657	1.736	1.3458	0.8428	0.524
1.3382	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762
5.3016	5.3292	5.3853	5.58318	5.265181	4.904281	4.904281	4.904281	4.904281	4.904281
1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175
3.9814	4.4352	4.4352	5.207316	6.304912	7.262854	7.867619	7.867619	7.867619	7.867619
21.9058	21.7553	21.8114	22.7814	23.56099	24.03144	24.246	23.403	23.4483	22.9243
- -									
- -									
- -	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
- -	0.0276	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837
- -									
- -									
- -									
- -	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538
- -									
- -	0.6194	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755
- -									
- -									
- -									
- -			0.197881	0.197881	0.197881	0.197881	0.197881	0.197881	0.197881
- -									
- -									
- -									
- -			0.772116	1.869712	2.827654	3.432418	3.432418	3.432418	3.432418
- -									
- -			0.969997	2.067593	3.025535	3.630299	3.630299	3.630299	3.630299
- -	0.6194	0.6755	1.645497	2.743093	3.701035	4.305799	4.305799	4.305799	4.305799
- -	0.4058	0.4058	0.4058	0.4058	0.5027	0.5027	0.8427	0.8427	0.8427
- -					0.0297	0.4199	0.9229	1.2417	1.7657
- -									
- -				0.318	0.6789	0.6789	0.6789	0.6789	0.6789
- -									

- -									
- -									
- -									
- -	0.4058	0.4058	0.4058	0.7238	1.2113	1.6015	2.4445	2.7633	3.2873
0.032183	0.034417	0.036061	0.037256	0.0388	0.040375	0.042141	0.044074	0.046193	0.048521
0.010329	0.017931	0.025716	0.034615	0.044218	0.05406	0.06411	0.06849	0.069632	0.071146
0.042512	0.052348	0.061777	0.071871	0.083017	0.094435	0.106251	0.112564	0.115825	0.119666
21.49566	22.64479	22.56747	22.57337	22.52635	22.23541	22.14092	22.19261	22.30241	22.4398
25.94272	25.76039	25.55963	25.37946	25.57094	25.73435	25.94874	26.21376	26.50351	26.80255
14.96564	15.0922	15.10036	14.8819	15.29925	15.61821	15.9272	16.18793	16.49684	16.71932
0.041395	0.052236	0.063576	0.07184	0.083738	0.099283	0.119615	0.143906	0.170109	0.198372
62.4454	63.54962	63.29104	62.90657	63.48027	63.68725	64.13647	64.7382	65.47287	66.16005
4.437169	5.175889	2.517587	2.354618	4.266322	4.958699	4.157194	5.17392	4.686457	3.755686
1.681332	3.343591	6.099874	8.009418	16.66411	21.23984	22.71935	21.65574	23.08073	21.82966
0.062395	0.066609	0.070044	0.070384	0.074072	0.078036	0.08251	0.086714	0.090649	0.094931
65.01252	66.98238	72.17903	73.7234	81.02782	85.07511	87.78056	86.28915	88.99042	89.40766
67.83075	68.88129	68.66679	68.13898	68.7041	68.872	69.30092	69.89404	70.6868	71.42861
41.48836	41.45457	46.04224	45.08811	47.42303	47.50789	47.33809	45.13877	47.85009	48.07303
0.166638	0.16663	0.185542	0.18171	0.191039	0.191316	0.190635	0.182929	0.193815	0.194748
3.535343	3.254672	2.69219	2.569194	3.232345	3.379821	3.604052	3.833042	3.809832	3.994356
8.695292	8.454165	8.537553	8.553281	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901
0.0006	0.0006	0.0006	0.001377	0.001377	0.001377	0.001377	0.001377	0.001377	0.001377
11.19196	13.71742	14.78658	17.39539	21.67669	25.49136	28.14306	28.62968	28.63196	28.64081
65.07819	67.04805	72.2447	73.78906	81.09349	85.14078	87.84623	86.35481	89.05608	89.47333
65.01252	66.98238	72.17903	73.7234	81.02782	85.07511	87.78056	86.28915	88.99042	89.40766
0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567
0.102983	0.115256	0.124638	0.161064	0.169962	0.179046	0.189	0.19969	0.211156	0.223623
0.014099	0.024426	0.03494	0.047019	0.060164	0.073681	0.087493	0.093516	0.095132	0.09728

0.117082	0.139682	0.159578	0.208083	0.230126	0.252727	0.276493	0.293206	0.306288	0.320903
0.062395	0.066609	0.070044	0.070384	0.074072	0.078036	0.08251	0.086714	0.090649	0.094931
0.054687	0.073073	0.089533	0.137699	0.156054	0.174692	0.193983	0.206491	0.215639	0.225972
65.19527	67.18773	72.40427	73.99715	81.32362	85.3935	88.12273	86.64802	89.36237	89.79423
12.1965	12.24375	12.05993	12.13702	12.22296	12.08189	11.91075	11.76054	11.61544	11.52665
9.688845	9.68672	9.6305	9.717219	9.771399	9.604926	9.457642	9.313212	9.159344	9.059777
7.536975	7.478603	7.442873	7.533124	7.539436	7.419025	7.324804	7.227237	7.102014	7.030406
13.11341	13.95861	14.3929	14.66082	15.01774	14.92152	14.79806	14.68074	14.56654	14.47232
10.03861	10.07699	9.9796	10.07449	10.11035	9.941954	9.784801	9.642498	9.491652	9.399864
12.1965	12.47019	12.53998	12.86727	13.21704	13.34598	13.4511	13.56423	13.66154	13.81004
9.688845	9.865864	10.01384	10.30188	10.56609	10.60986	10.68075	10.74156	10.7728	10.85449
7.536976	7.616911	7.739136	7.986371	8.152605	8.195253	8.272082	8.335665	8.353063	8.423106
13.11341	14.21676	14.96581	15.54292	16.23911	16.48271	16.71181	16.93229	17.13249	17.33924
10.03861	10.26335	10.37684	10.68065	10.93261	10.98215	11.05022	11.12135	11.16365	11.26195
6.518501	6.43928	6.293735	6.292253	6.226428	6.041923	5.897929	5.780801	5.643837	5.556292
1.045555	1.090412	1.114726	1.15668	1.208838	1.230613	1.236131	1.230117	1.222925	1.218912
2.474553	2.547296	2.571138	2.625556	2.675086	2.669418	2.65074	2.631581	2.624889	2.62466
6.518501	6.558367	6.544258	6.670841	6.732811	6.67407	6.660678	6.667391	6.638022	6.656975
1.045555	1.110577	1.159098	1.226275	1.30715	1.359367	1.395993	1.418777	1.438348	1.460375
2.474553	2.594405	2.673482	2.783528	2.892646	2.948711	2.993546	3.035181	3.087274	3.144597
0.439879	0.439802	0.491056	0.480635	0.506877	0.507946	0.50603	0.481532	0.510805	0.513185
0.033181	0.030979	0.022322	0.021395	0.027285	0.029338	0.03143	0.033642	0.03331	0.03497
0.001767	0.001768	0.001981	0.001939	0.002044	0.002047	0.002039	0.001956	0.002074	0.002084
0.474827	0.472549	0.51536	0.503969	0.536206	0.539332	0.5395	0.51713	0.546189	0.550238
1.866259	1.663499	1.641815	1.82723	1.839412	1.852916	1.883952	1.908286	1.939153	1.966214
3.213068	3.70918	4.141064	4.438976	4.759459	5.077534	5.212084	5.28473	5.503689	5.651329
15.15309	11.69005	13.22918	14.49766	16.40682	17.02642	17.37551	17.51706	17.94663	18.33166
4.675263	2.582042	4.447128	5.391228	7.35708	8.336061	9.083159	9.6624	10.06906	10.40708
1.866259	1.694263	1.707167	1.937169	1.989008	2.046781	2.127594	2.200956	2.280743	2.355715
$ 3.21	$ 3.78	$ 4.31	$ 4.71	$ 5.15	$ 5.61	$ 5.89	$ 6.10	$ 6.47	$ 6.77
-42%	18%	14%	9%	9%	9%	5%	4%	6%	5%
15.15309	11.90625	13.75577	15.36995	17.74115	18.80784	19.6226	20.20362	21.10801	21.9631
4.675263	2.629794	4.624146	5.715604	7.955417	9.208236	10.25784	11.1443	11.84276	12.46868
13.53218	13.48921	14.8651	14.54121	15.4096	15.47426	15.45181	14.76198	15.6205	15.71568
49.618	49.46043	54.50537	53.31781	56.50188	56.73896	56.65662	54.12729	57.27515	57.62418

0.021023	0.01073	0.017159	0.014931	0.017411	0.01348	0.016655	0.011317	0.013026	0.012696
0.037564	0.034094	0.040539	0.039635	0.043082	0.042807	0.042603	0.038849	0.040389	0.040046
0.662081	0.148802	0.166945	0.165716	0.174554	0.174777	0.175246	0.165638	0.176139	0.175514

2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	7.5012
0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524
1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762	1.4762
4.998575	5.062193	5.130508	5.23558	5.352439	5.484214	5.648769	5.68785	5.801043	5.915404
1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175	1.175
7.911067	7.963256	8.01675	8.06988	8.129506	8.194586	8.194586	8.227942	8.270654	8.331746
23.06204	23.17785	23.29966	23.45786	23.63435	23.8312	23.99575	24.06819	24.2241	24.39955
0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837
0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	0.4538
0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	0.6755
0.293676	0.358393	0.426708	0.53178	0.648639	0.780414	0.944969	0.98405	1.097243	1.211604
3.475867	3.528056	3.58155	3.634681	3.694306	3.759386	3.759386	3.792743	3.835454	3.896546
3.769543	3.886449	4.008258	4.166461	4.342946	4.539799	4.704354	4.776793	4.932697	5.10815
4.445043	4.561949	4.683758	4.841961	5.018445	5.215299	5.379854	5.452292	5.608197	5.78365
0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427
1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	1.7657
0.6804	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815	0.6815

3.2888	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899	3.2899
0.051133	0.054134	0.057464	0.061038	0.064962	0.069363	0.073944	0.078688	0.083625	0.088842
0.073247	0.075739	0.07867	0.08195	0.085511	0.089425	0.093543	0.097823	0.102147	0.10653
0.12438	0.129873	0.136133	0.142988	0.150473	0.158787	0.167487	0.17651	0.185772	0.195372
22.55163	22.67584	22.81081	22.95341	23.10486	23.20569	23.29983	23.39945	23.52509	23.67816
27.10178	27.40197	27.69633	27.99715	28.30304	28.55822	28.80448	29.05975	29.34042	29.63679
16.91426	17.07323	17.20017	17.20281	17.24234	17.26997	17.27218	17.2903	17.32973	17.36387
0.227759	0.25482	0.280507	0.305258	0.329748	0.353649	0.376441	0.397867	0.418049	0.43686
66.79543	67.40586	67.98782	68.45862	68.97998	69.38754	69.75292	70.14735	70.61328	71.11568
3.893649	3.148125	2.900856	3.25192	3.650377	2.993398	2.69269	2.936316	2.415178	2.575933
21.88537	20.7371	20.21587	20.076	20.18895	18.77175	18.15309	18.00405	17.87856	18.06473
0.099676	0.104864	0.110397	0.116088	0.12208	0.128649	0.135433	0.142163	0.149177	0.156612
90.00623	90.25755	90.60612	90.61778	90.88905	90.5621	90.63193	90.6582	91.54982	92.11007
72.11419	72.77345	73.40151	73.90978	74.47256	74.91239	75.30696	75.73263	76.23561	76.77789
48.4076	48.40547	48.16682	48.00951	48.00073	47.43369	47.41997	47.40782	47.59981	47.58752
0.196092	0.196083	0.195125	0.194493	0.194458	0.19218	0.192124	0.192076	0.192843	0.192815
4.117049	4.179681	4.539468	4.492811	4.535767	4.52067	4.566968	4.498325	5.033693	5.36808
8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	8.56901
0.001377	0.001669	0.001976	0.002129	0.002232	0.002312	0.002312	0.002519	0.002618	0.002716
28.78077	28.97131	29.19939	29.41549	29.65251	29.9099	29.94721	30.05412	30.21752	30.45559
90.0719	90.32322	90.67178	90.68344	90.95471	90.62776	90.69759	90.72386	91.61549	92.17574
90.00623	90.25755	90.60612	90.61778	90.88905	90.5621	90.63193	90.6582	91.54982	92.11007
0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.06567
0.237447	0.253067	0.270327	0.288826	0.308966	0.33126	0.354441	0.377974	0.402279	0.427684
0.100284	0.103857	0.10807	0.112799	0.117944	0.123607	0.12958	0.1358	0.142088	0.148464

0.337731	0.356924	0.378397	0.401624	0.42691	0.454867	0.484021	0.513774	0.544367	0.576148
0.099676	0.104864	0.110397	0.116088	0.12208	0.128649	0.135433	0.142163	0.149177	0.156612
0.238055	0.252061	0.268	0.285536	0.30483	0.326219	0.348588	0.371611	0.39519	0.419536
90.40963	90.68015	91.05018	91.08507	91.38162	91.08263	91.18162	91.23763	92.15985	92.75188
11.49147	11.43237	11.45395	11.43922	11.43832	11.48299	11.53337	11.52912	11.41443	11.26176
9.004432	8.933638	8.943477	8.925014	8.916671	8.946746	8.983862	8.971337	8.85821	8.709266
6.993533	6.987924	7.026441	7.02956	7.058362	7.125892	7.179746	7.18802	7.123306	7.041264
14.42166	14.1954	14.15362	14.08741	13.98443	13.91495	13.90915	13.83673	13.57348	13.20924
9.353373	9.301291	9.32228	9.314715	9.321016	9.367084	9.41533	9.412586	9.311967	9.179503
14.02463	14.22057	14.5275	14.80107	15.1084	15.49449	15.91104	16.26766	16.47914	16.63645
10.98935	11.11243	11.34337	11.54797	11.77766	12.07223	12.39382	12.65861	12.78869	12.86578
8.535174	8.692187	8.911914	9.095466	9.323096	9.615274	9.904928	10.14234	10.28399	10.40172
17.60075	17.65747	17.9516	18.22753	18.47145	18.77604	19.18858	19.5237	19.59618	19.51337
11.41521	11.56975	11.82382	12.0522	12.31174	12.63941	12.98906	13.28122	13.44378	13.56044
5.509611	5.456153	5.480128	5.470903	5.475227	5.518418	5.565322	5.564918	5.463193	5.323556
1.216625	1.215752	1.214291	1.213595	1.21182	1.211156	1.210786	1.207537	1.205862	1.207551
2.627137	2.629385	2.627861	2.630216	2.633969	2.63751	2.639222	2.640132	2.642911	2.648396
6.724139	6.786838	6.950664	7.078738	7.231998	7.44624	7.677725	7.852132	7.887269	7.864232
1.484816	1.512258	1.540133	1.570256	1.600642	1.634265	1.670358	1.703841	1.740916	1.783857
3.206258	3.270658	3.333021	3.403206	3.4791	3.558906	3.640979	3.725242	3.815598	3.912347
0.516956	0.516934	0.51425	0.512486	0.512393	0.506018	0.505876	0.505743	0.507925	0.507779
0.036038	0.036446	0.039658	0.039164	0.03939	0.038757	0.03876	0.038386	0.043287	0.045509
0.002099	0.002099	0.002089	0.002081	0.002081	0.002056	0.002055	0.002054	0.002063	0.002063
0.555094	0.555479	0.555996	0.553731	0.553864	0.546831	0.546691	0.546183	0.553275	0.555352
1.991267	2.020471	2.051547	2.086544	2.119779	2.152951	2.188478	2.221019	2.243543	2.272595
5.814015	5.813277	5.701366	5.647802	5.592993	5.567693	5.586568	5.708795	5.757101	5.802251
18.79032	19.37787	19.84681	20.23567	20.70672	21.04569	21.63587	22.25459	22.86437	23.61338
10.79367	11.32077	11.68915	11.96215	12.28565	12.53941	13.02502	13.55116	14.08722	14.73964
2.430218	2.513237	2.602058	2.699754	2.799927	2.90507	3.019148	3.133871	3.239026	3.357194
$ 7.10	$ 7.23	$ 7.23	$ 7.31	$ 7.39	$ 7.51	$ 7.71	$ 8.06	$ 8.31	$ 8.57
5%	2%	0%	1%	1%	2%	3%	5%	3%	3%
22.93243	24.10388	25.17249	26.1827	27.35065	28.39786	29.8481	31.40136	33.00953	34.8829
13.173	14.08176	14.82581	15.47768	16.2276	16.91997	17.96887	19.12077	20.33787	21.77416
15.84231	15.86466	15.81778	15.76014	15.7566	15.57333	15.55204	15.54492	15.68346	15.73437
58.08848	58.17042	57.99851	57.78716	57.77419	57.1022	57.02412	56.99806	57.50604	57.69271

0.013925	0.015501	0.013609	0.01298	0.013471	0.01432	0.01169	0.01243	0.01197	0.01489
0.041237	0.041329	0.041063	0.040854	0.040733	0.039563	0.039414	0.03947	0.040096	0.040184
0.178018	0.169911	0.17729	0.17409	0.17657	0.166757	0.174079	0.171744	0.174045	0.164614

2035	2036	2037	2038	2039	2040	Growth (2015-2040)
7.5012	7.5012	7.5012	7.5012	7.5012	7.5012	-0.50%
0.524	0.524	0.524	0.524	0.524	0.524	0.524 - -
1.519636	1.519636	1.519636	1.519636	1.519636	1.519636	0.50%
5.943165	6.04705	6.210127	6.33753	6.50614	6.632342	0.90%
1.175	1.175	1.175	1.175	1.175	1.175	0.00%
						- -
						- -
8.331746	8.366163	8.366163	8.404995	8.404995	8.441779	3.10%
						- -
24.47075	24.60905	24.77213	24.93836	25.10697	25.26996	0.60%
						- -
						- -
0.138	0.138	0.138	0.138	0.138	0.138	- -
0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	- -
						- -
						- -
						- -
0.4538	0.4538	0.4538	0.4538	0.4538	0.4538	- -
						- -
0.6755	0.6755	0.6755	0.6755	0.6755	0.6755	- -
						- -
						- -
0.043436	0.043436	0.043436	0.043436	0.043436	0.043436	- -
1.313165	1.41705	1.580127	1.70753	1.87614	2.002342	- -
						- -
						- -
						- -
3.896546	3.930963	3.930963	3.969795	3.969795	4.006579	- -
						- -
5.253148	5.391449	5.554526	5.720761	5.889371	6.052358	- -
5.928648	6.066949	6.230026	6.396261	6.564871	6.727858	- -
0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	- -
1.7657	1.7657	1.7657	1.7657	1.7657	1.7657	- -
						- -
0.7553	0.7553	0.7553	0.7553	0.7553	0.7553	- -
						- -

						- -
						- -
						- -
3.3637	3.3637	3.3637	3.3637	3.3637	3.3637	- -
						- -
						- -
0.094377	0.098666	0.102067	0.104885	0.107458	0.11007	5.00%
						- -
0.111031	0.115485	0.119949	0.124456	0.128981	0.133543	10.80%
						- -
0.205408	0.214152	0.222016	0.229341	0.236439	0.243613	7.20%
23.85238	24.01943	24.18198	24.34133	24.508	24.68792	0.60%
29.93819	30.23418	30.53375	30.82828	31.12418	31.41855	0.80%
17.39477	17.46215	17.53318	17.64368	17.70599	17.78871	0.70%
0.453804	0.469424	0.483643	0.496242	0.507795	0.518508	10.60%
71.63914	72.18517	72.73254	73.30953	73.84596	74.41368	0.70%
						- -
						- -
2.769439	2.687488	2.857286	1.327502	1.058799	1.334687	-4.70%
17.76134	17.28189	16.82559	14.80871	13.90036	13.68538	8.70%
0.164706	0.172216	0.179407	0.186516	0.194271	0.20328	4.80%
92.16998	92.35446	92.31187	92.44051	92.37199	92.48518	1.40%
77.34278	77.93228	78.52296	79.14582	79.7247	80.33776	0.70%
47.57569	47.56101	47.54667	47.53543	47.52184	47.50995	0.50%
0.19275	0.192692	0.192634	0.192588	0.192534	0.192485	0.60%
5.389176	5.477425	5.421422	5.415362	5.329005	5.33577	1.70%
8.56901	8.56901	8.56901	8.56901	8.56901	8.56901	-0.10%
0.003197	0.003283	0.003384	0.003403	0.003486	0.003506	7.30%
30.50582	30.61671	30.64442	30.79039	30.82177	30.94012	4.20%
						- -
92.23564	92.42013	92.37753	92.50618	92.43765	92.55084	1.40%
92.16998	92.35446	92.31187	92.44051	92.37199	92.48518	1.40%
0.06567	0.06567	0.06567	0.06567	0.06567	0.06567	0.00%
						- -
						- -
0.454505	0.476426	0.494556	0.51019	0.525183	0.540996	6.90%
						- -
0.155012	0.161495	0.167991	0.174552	0.181139	0.18778	10.90%
						- -

0.609517	0.637921	0.662547	0.684742	0.706321	0.728776	7.60%
0.164706	0.172216	0.179407	0.186516	0.194271	0.20328	4.80%
0.444811	0.465705	0.48314	0.498226	0.51205	0.525496	9.50%
92.84516	93.05805	93.04008	93.19092	93.14397	93.27962	1.40%
11.22478	11.19311	11.16813	11.14614	11.11904	11.1175	-0.40%
8.674335	8.640688	8.613256	8.58566	8.559811	8.555353	-0.50%
7.028285	7.017284	7.00583	7.000553	6.99554	7.004627	-0.30%
13.1062	12.9995	12.92228	12.82586	12.73471	12.68847	-0.10%
9.151905	9.125634	9.103857	9.083039	9.062812	9.063481	-0.40%
16.96332	17.2969	17.63957	17.99273	18.33549	18.71705	1.70%
13.10898	13.35259	13.60426	13.85946	14.11527	14.40351	1.60%
10.62141	10.84392	11.0654	11.30069	11.53576	11.79276	1.80%
19.80659	20.08834	20.41017	20.70422	20.99974	21.36189	2.00%
13.8307	14.10199	14.37914	14.66235	14.94473	15.25898	1.70%
5.298555	5.269593	5.251219	5.228405	5.210036	5.207125	-0.90%
1.208722	1.213498	1.214177	1.216689	1.219326	1.222732	0.60%
2.644627	2.642543	2.638462	2.637944	2.63345	2.633624	0.20%
8.007377	8.143188	8.294069	8.439986	8.591434	8.766541	1.20%
1.826667	1.875238	1.917739	1.964048	2.010689	2.058552	2.70%
3.996661	4.083564	4.167334	4.258318	4.342603	4.433882	2.40%
0.507654	0.507498	0.507346	0.507226	0.507082	0.506956	0.60%
0.04551	0.045942	0.045425	0.045305	0.044584	0.044645	1.20%
0.002062	0.002061	0.002061	0.00206	0.00206	0.002059	0.60%
0.555226	0.555501	0.554832	0.554592	0.553726	0.55366	0.60%
2.292622	2.316428	2.338707	2.362743	2.383489	2.411772	1.00%
5.796906	5.71484	5.735487	5.760739	5.76815	5.697744	2.30%
23.99787	24.66942	25.08139	25.75888	26.43174	27.07738	2.30%
14.98019	15.56631	15.86523	16.42111	17.05493	17.58353	5.40%
3.464697	3.579614	3.693884	3.814072	3.930412	4.06038	3.20%
$ 8.76	$ 8.83	$ 9.06	$ 9.30	$ 9.51	$ 9.59	4.50%
2%	1%	3%	3%	2%	1%	2.78%
36.26649	38.12206	39.61495	41.58143	43.58637	45.58657	4.50%
22.63863	24.05487	25.05844	26.50787	28.12385	29.60304	7.70%
15.70906	15.65201	15.62133	15.61345	15.58783	15.60352	0.60%
57.59985	57.39072	57.2782	57.24929	57.15539	57.21291	0.60%

0.012671	0.013271	0.013344	0.014145	0.013434	0.01465	-1.40%
0.040059	0.040304	0.040115	0.04009	0.039956	0.039876	0.20%
0.17461	0.160067	0.152795	0.149023	0.154042	0.145632	-5.90%

	PEAK	OFF PEAK	FLAT
2017	$ 28.86	$ 17.79	$ 22.94
2018	$ 27.31	$ 18.08	$ 22.37
2019	$ 29.86	$ 19.77	$ 24.47
2020	$ 32.55	$ 21.54	$ 26.66
2021	$ 34.16	$ 22.61	$ 27.98
2022	$ 35.37	$ 23.41	$ 28.98
2023	$ 37.56	$ 24.86	$ 30.77
2024	$ 39.29	$ 26.01	$ 32.19
2025	$ 41.17	$ 27.25	$ 33.73
2026	$ 41.96	$ 27.77	$ 34.37
2027	$ 41.96	$ 27.77	$ 34.38
2028	$ 42.40	$ 28.07	$ 34.74
2029	$ 42.87	$ 28.37	$ 35.12
2030	$ 43.59	$ 28.85	$ 35.71
2031	$ 44.72	$ 29.60	$ 36.64
2032	$ 46.74	$ 30.94	$ 38.29
2033	$ 48.23	$ 31.92	$ 39.51
2034	$ 49.74	$ 32.92	$ 40.75
2035	$ 50.84	$ 33.65	$ 41.65
2036	$ 51.25	$ 33.92	$ 41.98
2037	$ 52.57	$ 34.79	$ 43.06

PEAK	OFF PEAK
46.5%	53.5%

Date	On Peak	Off Peak
Jan-17	$ 31.45	$ 25.25
Feb-17	$ 31.50	$ 22.00
Mar-17	$ 30.00	$ 17.90
Apr-17	$ 27.75	$ 14.00
May-17	$ 27.45	$ 15.95
Jun-17	$ 26.45	$ 15.55
Jul-17	$ 36.20	$ 17.85
Aug-17	$ 32.70	$ 15.55
Sep-17	$ 28.80	$ 16.10
Oct-17	$ 23.85	$ 17.05
Nov-17	$ 23.80	$ 16.30
Dec-17	$ 26.40	$ 19.95
Jan-18	$ 35.05	$ 26.45
Feb-18	$ 32.65	$ 24.10
Mar-18	$ 26.90	$ 19.55
Apr-18	$ 24.45	$ 18.45
May-18	$ 25.30	$ 14.55
Jun-18	$ 25.10	$ 15.20
Jul-18	$ 31.70	$ 16.85
Aug-18	$ 28.80	$ 16.50
Sep-18	$ 24.25	$ 14.50
Oct-18	$ 24.40	$ 16.10
Nov-18	$ 24.30	$ 16.95
Dec-18	$ 24.80	$ 17.70
Jan-19	$ 38.33	$ 28.93
Feb-19	$ 35.71	$ 26.36
Mar-19	$ 29.42	$ 21.38
Apr-19	$ 26.74	$ 20.18
May-19	$ 27.67	$ 15.91
Jun-19	$ 27.45	$ 16.62
Jul-19	$ 34.67	$ 18.43
Aug-19	$ 31.50	$ 18.04
Sep-19	$ 26.52	$ 15.86
Oct-19	$ 26.68	$ 17.61
Nov-19	$ 26.57	$ 18.54
Dec-19	$ 27.12	$ 19.36
Jan-20	$ 41.77	$ 31.52
Feb-20	$ 38.91	$ 28.72
Mar-20	$ 32.06	$ 23.30
Apr-20	$ 29.14	$ 21.99
May-20	$ 30.15	$ 17.34
Jun-20	$ 29.91	$ 18.12
Jul-20	$ 37.78	$ 20.08
Aug-20	$ 34.32	$ 19.67
Sep-20	$ 28.90	$ 17.28

Oct-20	$ 29.08	$ 19.19
Nov-20	$ 28.96	$ 20.20
Dec-20	$ 29.56	$ 21.10
Jan-21	$ 43.84	$ 33.08
Feb-21	$ 40.84	$ 30.14
Mar-21	$ 33.65	$ 24.45
Apr-21	$ 30.58	$ 23.08
May-21	$ 31.64	$ 18.20
Jun-21	$ 31.39	$ 19.01
Jul-21	$ 39.65	$ 21.08
Aug-21	$ 36.02	$ 20.64
Sep-21	$ 30.33	$ 18.14
Oct-21	$ 30.52	$ 20.14
Nov-21	$ 30.39	$ 21.20
Dec-21	$ 31.02	$ 22.14
Jan-22	$ 45.40	$ 34.26
Feb-22	$ 42.29	$ 31.21
Mar-22	$ 34.84	$ 25.32
Apr-22	$ 31.67	$ 23.90
May-22	$ 32.77	$ 18.85
Jun-22	$ 32.51	$ 19.69
Jul-22	$ 41.06	$ 21.82
Aug-22	$ 37.30	$ 21.37
Sep-22	$ 31.41	$ 18.78
Oct-22	$ 31.60	$ 20.85
Nov-22	$ 31.47	$ 21.95
Dec-22	$ 32.12	$ 22.92
Jan-23	$ 48.21	$ 36.38
Feb-23	$ 44.91	$ 33.15
Mar-23	$ 37.00	$ 26.89
Apr-23	$ 33.63	$ 25.38
May-23	$ 34.80	$ 20.01
Jun-23	$ 34.53	$ 20.91
Jul-23	$ 43.60	$ 23.18
Aug-23	$ 39.61	$ 22.70
Sep-23	$ 33.36	$ 19.94
Oct-23	$ 33.56	$ 22.15
Nov-23	$ 33.42	$ 23.31
Dec-23	$ 34.11	$ 24.35
Jan-24	$ 50.43	$ 38.05
Feb-24	$ 46.98	$ 34.67
Mar-24	$ 38.70	$ 28.13
Apr-24	$ 35.18	$ 26.54
May-24	$ 36.40	$ 20.93
Jun-24	$ 36.11	$ 21.87
Jul-24	$ 45.61	$ 24.24
Aug-24	$ 41.44	$ 23.74

Sep-24	$ 34.89	$ 20.86
Oct-24	$ 35.11	$ 23.16
Nov-24	$ 34.96	$ 24.39
Dec-24	$ 35.68	$ 25.47
Jan-25	$ 52.85	$ 39.88
Feb-25	$ 49.23	$ 36.34
Mar-25	$ 40.56	$ 29.48
Apr-25	$ 36.86	$ 27.82
May-25	$ 38.15	$ 21.94
Jun-25	$ 37.84	$ 22.92
Jul-25	$ 47.80	$ 25.41
Aug-25	$ 43.42	$ 24.88
Sep-25	$ 36.56	$ 21.86
Oct-25	$ 36.79	$ 24.28
Nov-25	$ 36.64	$ 25.56
Dec-25	$ 37.39	$ 26.69
Jan-26	$ 53.86	$ 40.64
Feb-26	$ 50.17	$ 37.03
Mar-26	$ 41.33	$ 30.04
Apr-26	$ 37.57	$ 28.35
May-26	$ 38.87	$ 22.36
Jun-26	$ 38.57	$ 23.36
Jul-26	$ 48.71	$ 25.89
Aug-26	$ 44.25	$ 25.35
Sep-26	$ 37.26	$ 22.28
Oct-26	$ 37.49	$ 24.74
Nov-26	$ 37.34	$ 26.04
Dec-26	$ 38.11	$ 27.20
Jan-27	$ 53.86	$ 40.64
Feb-27	$ 50.17	$ 37.03
Mar-27	$ 41.33	$ 30.04
Apr-27	$ 37.57	$ 28.35
May-27	$ 38.88	$ 22.36
Jun-27	$ 38.57	$ 23.36
Jul-27	$ 48.71	$ 25.89
Aug-27	$ 44.25	$ 25.35
Sep-27	$ 37.26	$ 22.28
Oct-27	$ 37.49	$ 24.74
Nov-27	$ 37.34	$ 26.05
Dec-27	$ 38.11	$ 27.20
Jan-28	$ 54.43	$ 41.07
Feb-28	$ 50.70	$ 37.42
Mar-28	$ 41.77	$ 30.36
Apr-28	$ 37.97	$ 28.65
May-28	$ 39.29	$ 22.59
Jun-28	$ 38.98	$ 23.60
Jul-28	$ 49.22	$ 26.16

Aug-28	$ 44.72	$ 25.62
Sep-28	$ 37.66	$ 22.52
Oct-28	$ 37.89	$ 25.00
Nov-28	$ 37.73	$ 26.32
Dec-28	$ 38.51	$ 27.48
Jan-29	$ 55.02	$ 41.52
Feb-29	$ 51.25	$ 37.83
Mar-29	$ 42.23	$ 30.69
Apr-29	$ 38.38	$ 28.96
May-29	$ 39.72	$ 22.84
Jun-29	$ 39.40	$ 23.86
Jul-29	$ 49.76	$ 26.45
Aug-29	$ 45.21	$ 25.90
Sep-29	$ 38.07	$ 22.76
Oct-29	$ 38.30	$ 25.27
Nov-29	$ 38.15	$ 26.61
Dec-29	$ 38.93	$ 27.79
Jan-30	$ 55.95	$ 42.22
Feb-30	$ 52.12	$ 38.47
Mar-30	$ 42.94	$ 31.21
Apr-30	$ 39.03	$ 29.45
May-30	$ 40.39	$ 23.23
Jun-30	$ 40.07	$ 24.27
Jul-30	$ 50.61	$ 26.90
Aug-30	$ 45.98	$ 26.34
Sep-30	$ 38.71	$ 23.15
Oct-30	$ 38.95	$ 25.70
Nov-30	$ 38.79	$ 27.06
Dec-30	$ 39.59	$ 28.26
Jan-31	$ 57.40	$ 43.32
Feb-31	$ 53.47	$ 39.47
Mar-31	$ 44.05	$ 32.02
Apr-31	$ 40.04	$ 30.22
May-31	$ 41.43	$ 23.83
Jun-31	$ 41.11	$ 24.89
Jul-31	$ 51.91	$ 27.59
Aug-31	$ 47.17	$ 27.02
Sep-31	$ 39.71	$ 23.75
Oct-31	$ 39.96	$ 26.37
Nov-31	$ 39.80	$ 27.76
Dec-31	$ 40.61	$ 28.99
Jan-32	$ 59.99	$ 45.27
Feb-32	$ 55.89	$ 41.25
Mar-32	$ 46.04	$ 33.46
Apr-32	$ 41.85	$ 31.58
May-32	$ 43.30	$ 24.90
Jun-32	$ 42.96	$ 26.02

Jul-32	$ 54.26	$ 28.84
Aug-32	$ 49.30	$ 28.24
Sep-32	$ 41.51	$ 24.82
Oct-32	$ 41.76	$ 27.56
Nov-32	$ 41.59	$ 29.01
Dec-32	$ 42.45	$ 30.30
Jan-33	$ 61.90	$ 46.71
Feb-33	$ 57.66	$ 42.56
Mar-33	$ 47.51	$ 34.53
Apr-33	$ 43.18	$ 32.59
May-33	$ 44.68	$ 25.70
Jun-33	$ 44.33	$ 26.85
Jul-33	$ 55.99	$ 29.76
Aug-33	$ 50.87	$ 29.14
Sep-33	$ 42.83	$ 25.61
Oct-33	$ 43.09	$ 28.43
Nov-33	$ 42.92	$ 29.94
Dec-33	$ 43.80	$ 31.26
Jan-34	$ 63.84	$ 48.17
Feb-34	$ 59.47	$ 43.89
Mar-34	$ 48.99	$ 35.61
Apr-34	$ 44.53	$ 33.60
May-34	$ 46.08	$ 26.50
Jun-34	$ 45.72	$ 27.68
Jul-34	$ 57.74	$ 30.69
Aug-34	$ 52.45	$ 30.05
Sep-34	$ 44.17	$ 26.41
Oct-34	$ 44.44	$ 29.32
Nov-34	$ 44.26	$ 30.87
Dec-34	$ 45.17	$ 32.24
Jan-35	$ 65.25	$ 49.24
Feb-35	$ 60.78	$ 44.86
Mar-35	$ 50.08	$ 36.39
Apr-35	$ 45.51	$ 34.35
May-35	$ 47.10	$ 27.09
Jun-35	$ 46.72	$ 28.30
Jul-35	$ 59.01	$ 31.37
Aug-35	$ 53.61	$ 30.72
Sep-35	$ 45.14	$ 26.99
Oct-35	$ 45.42	$ 29.97
Nov-35	$ 45.24	$ 31.55
Dec-35	$ 46.17	$ 32.95
Jan-36	$ 65.77	$ 49.64
Feb-36	$ 61.27	$ 45.23
Mar-36	$ 50.48	$ 36.69
Apr-36	$ 45.88	$ 34.62
May-36	$ 47.48	$ 27.30

Jun-36	$ 47.10	$ 28.52
Jul-36	$ 59.49	$ 31.62
Aug-36	$ 54.05	$ 30.96
Sep-36	$ 45.51	$ 27.21
Oct-36	$ 45.79	$ 30.21
Nov-36	$ 45.60	$ 31.81
Dec-36	$ 46.54	$ 33.22
Jan-37	$ 67.47	$ 50.92
Feb-37	$ 62.85	$ 46.39
Mar-37	$ 51.78	$ 37.63
Apr-37	$ 47.07	$ 35.52
May-37	$ 48.70	$ 28.01
Jun-37	$ 48.32	$ 29.26
Jul-37	$ 61.02	$ 32.44
Aug-37	$ 55.44	$ 31.76
Sep-37	$ 46.68	$ 27.91
Oct-37	$ 46.97	$ 30.99
Nov-37	$ 46.78	$ 32.63
Dec-37	$ 47.74	$ 34.07
Jan-38	$ 69.26	$ 52.27
Feb-38	$ 64.52	$ 47.62
Mar-38	$ 53.16	$ 38.63
Apr-38	$ 48.31	$ 36.46
May-38	$ 49.99	$ 28.75
Jun-38	$ 49.60	$ 30.04
Jul-38	$ 62.64	$ 33.30
Aug-38	$ 56.91	$ 32.60
Sep-38	$ 47.92	$ 28.65
Oct-38	$ 48.22	$ 31.81
Nov-38	$ 48.02	$ 33.49
Dec-38	$ 49.01	$ 34.98
Jan-39	$ 70.84	$ 53.46
Feb-39	$ 65.99	$ 48.71
Mar-39	$ 54.37	$ 39.51
Apr-39	$ 49.42	$ 37.29
May-39	$ 51.14	$ 29.41
Jun-39	$ 50.73	$ 30.72
Jul-39	$ 64.07	$ 34.06
Aug-39	$ 58.21	$ 33.35
Sep-39	$ 49.01	$ 29.31
Oct-39	$ 49.32	$ 32.54
Nov-39	$ 49.11	$ 34.26
Dec-39	$ 50.13	$ 35.77
Jan-40	$ 71.44	$ 53.91
Feb-40	$ 66.55	$ 49.12
Mar-40	$ 54.83	$ 39.85
Apr-40	$ 49.84	$ 37.61

May-40	$	51.57	$	29.66
Jun-40	$	51.16	$	30.98
Jul-40	$	64.62	$	34.35
Aug-40	$	58.70	$	33.63
Sep-40	$	49.43	$	29.56
Oct-40	$	49.74	$	32.82
Nov-40	$	49.53	$	34.55
Dec-40	$	50.55	$	36.08

	peak	
Sep-16	$ 24.04	
Oct-16	$ 23.92	
Nov-16	$ 26.55	
Dec-16	$ 27.25	
Jan-17	$ 31.45	
Feb-17	$ 31.50	
Mar-17	$ 30.00	
Apr-17	$ 27.75	
May-17	$ 27.45	
Jun-17	$ 26.45	
Jul-17	$ 36.20	
Aug-17	$ 32.70	
Sep-17	$ 28.80	
Oct-17	$ 23.85	
Nov-17	$ 23.80	
Dec-17	$ 26.40	
Jan-18	$ 35.05	
Feb-18	$ 32.65	
Mar-18	$ 26.90	
Apr-18	$ 24.45	
May-18	$ 25.30	
Jun-18	$ 25.10	
Jul-18	$ 31.70	
Aug-18	$ 28.80	
Sep-18	$ 24.25	
Oct-18	$ 24.40	
Nov-18	$ 24.30	
Dec-18	$ 24.80	
Jan-19	$ 38.33	
Feb-19	$ 35.71	
Mar-19	$ 29.42	
Apr-19	$ 26.74	
May-19	$ 27.67	
Jun-19	$ 27.45	
Jul-19	$ 34.67	

EIA Escalation	
2019	9%
2020	9%
2021	5%
2022	4%
2023	6%
2024	5%
2025	5%
2026	2%
2027	0%
2028	1%
2029	1%
2030	2%
2031	3%
2032	5%
2033	3%
2034	3%
2035	2%
2036	1%
2037	3%
2038	3%
2039	2%
2040	1%

Location	vs. North Hub 10-5-
Aberdeen 1	$ 0.32
Aberdeen 2	$ 0.32
Beethoven	$ 0.19
Big Stone	$ 0.29
Coyote	$ (0.46)
Huron 1	$ (0.17)
Huron 2	$ (0.17)
Neal 4	$ 0.31
Oak Tree	$ 0.31
Titan	$ (0.17)
Load	$ 0.27

Aug-19	$	31.50
Sep-19	$	26.52
Oct-19	$	26.68
Nov-19	$	26.57
Dec-19	$	27.12
Jan-20	$	41.77
Feb-20	$	38.91
Mar-20	$	32.06
Apr-20	$	29.14
May-20	$	30.15
Jun-20	$	29.91
Jul-20	$	37.78
Aug-20	$	34.32
Sep-20	$	28.90
Oct-20	$	29.08
Nov-20	$	28.96
Dec-20	$	29.56
Jan-21	$	43.84
Feb-21	$	40.84
Mar-21	$	33.65
Apr-21	$	30.58
May-21	$	31.64
Jun-21	$	31.39
Jul-21	$	39.65
Aug-21	$	36.02
Sep-21	$	30.33
Oct-21	$	30.52
Nov-21	$	30.39
Dec-21	$	31.02
Jan-22	$	45.40
Feb-22	$	42.29
Mar-22	$	34.84
Apr-22	$	31.67
May-22	$	32.77
Jun-22	$	32.51
Jul-22	$	41.06
Aug-22	$	37.30
Sep-22	$	31.41
Oct-22	$	31.60
Nov-22	$	31.47
Dec-22	$	32.12
Jan-23	$	48.21
Feb-23	$	44.91
Mar-23	$	37.00
Apr-23	$	33.63
May-23	$	34.80
Jun-23	$	34.53

Jul-23	$	43.60	
Aug-23	$	39.61	
Sep-23	$	33.36	
Oct-23	$	33.56	
Nov-23	$	33.42	
Dec-23	$	34.11	
Jan-24	$	50.43	
Feb-24	$	46.98	
Mar-24	$	38.70	
Apr-24	$	35.18	
May-24	$	36.40	
Jun-24	$	36.11	
Jul-24	$	45.61	
Aug-24	$	41.44	
Sep-24	$	34.89	
Oct-24	$	35.11	
Nov-24	$	34.96	
Dec-24	$	35.68	
Jan-25	$	52.85	
Feb-25	$	49.23	
Mar-25	$	40.56	
Apr-25	$	36.86	
May-25	$	38.15	
Jun-25	$	37.84	
Jul-25	$	47.80	
Aug-25	$	43.42	
Sep-25	$	36.56	
Oct-25	$	36.79	
Nov-25	$	36.64	
Dec-25	$	37.39	
Jan-26	$	53.86	
Feb-26	$	50.17	
Mar-26	$	41.33	
Apr-26	$	37.57	
May-26	$	38.87	
Jun-26	$	38.57	
Jul-26	$	48.71	
Aug-26	$	44.25	
Sep-26	$	37.26	
Oct-26	$	37.49	
Nov-26	$	37.34	
Dec-26	$	38.11	
Jan-27	$	53.86	
Feb-27	$	50.17	
Mar-27	$	41.33	
Apr-27	$	37.57	
May-27	$	38.88	

Jun-27	$	38.57	
Jul-27	$	48.71	
Aug-27	$	44.25	
Sep-27	$	37.26	
Oct-27	$	37.49	
Nov-27	$	37.34	
Dec-27	$	38.11	
Jan-28	$	54.43	
Feb-28	$	50.70	
Mar-28	$	41.77	
Apr-28	$	37.97	
May-28	$	39.29	
Jun-28	$	38.98	
Jul-28	$	49.22	
Aug-28	$	44.72	
Sep-28	$	37.66	
Oct-28	$	37.89	
Nov-28	$	37.73	
Dec-28	$	38.51	
Jan-29	$	55.02	
Feb-29	$	51.25	
Mar-29	$	42.23	
Apr-29	$	38.38	
May-29	$	39.72	
Jun-29	$	39.40	
Jul-29	$	49.76	
Aug-29	$	45.21	
Sep-29	$	38.07	
Oct-29	$	38.30	
Nov-29	$	38.15	
Dec-29	$	38.93	
Jan-30	$	55.95	
Feb-30	$	52.12	
Mar-30	$	42.94	
Apr-30	$	39.03	
May-30	$	40.39	
Jun-30	$	40.07	
Jul-30	$	50.61	
Aug-30	$	45.98	
Sep-30	$	38.71	
Oct-30	$	38.95	
Nov-30	$	38.79	
Dec-30	$	39.59	
Jan-31	$	57.40	
Feb-31	$	53.47	
Mar-31	$	44.05	
Apr-31	$	40.04	

May-31	$	41.43
Jun-31	$	41.11
Jul-31	$	51.91
Aug-31	$	47.17
Sep-31	$	39.71
Oct-31	$	39.96
Nov-31	$	39.80
Dec-31	$	40.61
Jan-32	$	59.99
Feb-32	$	55.89
Mar-32	$	46.04
Apr-32	$	41.85
May-32	$	43.30
Jun-32	$	42.96
Jul-32	$	54.26
Aug-32	$	49.30
Sep-32	$	41.51
Oct-32	$	41.76
Nov-32	$	41.59
Dec-32	$	42.45
Jan-33	$	61.90
Feb-33	$	57.66
Mar-33	$	47.51
Apr-33	$	43.18
May-33	$	44.68
Jun-33	$	44.33
Jul-33	$	55.99
Aug-33	$	50.87
Sep-33	$	42.83
Oct-33	$	43.09
Nov-33	$	42.92
Dec-33	$	43.80
Jan-34	$	63.84
Feb-34	$	59.47
Mar-34	$	48.99
Apr-34	$	44.53
May-34	$	46.08
Jun-34	$	45.72
Jul-34	$	57.74
Aug-34	$	52.45
Sep-34	$	44.17
Oct-34	$	44.44
Nov-34	$	44.26
Dec-34	$	45.17
Jan-35	$	65.25
Feb-35	$	60.78
Mar-35	$	50.08

Apr-35	$ 45.51	
May-35	$ 47.10	
Jun-35	$ 46.72	
Jul-35	$ 59.01	
Aug-35	$ 53.61	
Sep-35	$ 45.14	
Oct-35	$ 45.42	
Nov-35	$ 45.24	
Dec-35	$ 46.17	
Jan-36	$ 65.77	
Feb-36	$ 61.27	
Mar-36	$ 50.48	
Apr-36	$ 45.88	
May-36	$ 47.48	
Jun-36	$ 47.10	
Jul-36	$ 59.49	
Aug-36	$ 54.05	
Sep-36	$ 45.51	
Oct-36	$ 45.79	
Nov-36	$ 45.60	
Dec-36	$ 46.54	
Jan-37	$ 67.47	
Feb-37	$ 62.85	
Mar-37	$ 51.78	
Apr-37	$ 47.07	
May-37	$ 48.70	
Jun-37	$ 48.32	
Jul-37	$ 61.02	
Aug-37	$ 55.44	
Sep-37	$ 46.68	
Oct-37	$ 46.97	
Nov-37	$ 46.78	
Dec-37	$ 47.74	
01/01/2038	$ 69.26	
02/01/2038	$ 64.52	
03/01/2038	$ 53.16	
04/01/2038	$ 48.31	
05/01/2038	$ 49.99	
06/01/2038	$ 49.60	
07/01/2038	$ 62.64	
08/01/2038	$ 56.91	
09/01/2038	$ 47.92	
10/01/2038	$ 48.22	
11/01/2038	$ 48.02	
12/01/2038	$ 49.01	
01/01/2039	$ 70.84	
02/01/2039	$ 65.99	

03/01/2039	$	54.37	
04/01/2039	$	49.42	
05/01/2039	$	51.14	
06/01/2039	$	50.73	
07/01/2039	$	64.07	
08/01/2039	$	58.21	
09/01/2039	$	49.01	
10/01/2039	$	49.32	
11/01/2039	$	49.11	
12/01/2039	$	50.13	
01/01/2040	$	71.44	
02/01/2040	$	66.55	
03/01/2040	$	54.83	
04/01/2040	$	49.84	
05/01/2040	$	51.57	
06/01/2040	$	51.16	
07/01/2040	$	64.62	
08/01/2040	$	58.70	
09/01/2040	$	49.43	
10/01/2040	$	49.74	
11/01/2040	$	49.53	
12/01/2040	$	50.55	

STARTDATE	ENDDATE	SPP on pk	Aberdeen 1	Aberdeen 2	Beethoven
1/1/2017 12:00:00 AM	2/1/2017 12:00:00 AM	$ 31.45	$ 0.33	$ 31.78	$ 31.64
2/1/2017 12:00:00 AM	3/1/2017 12:00:00 AM	$ 31.50	$ 0.34	$ 31.83	$ 31.69
3/1/2017 12:00:00 AM	4/1/2017 12:00:00 AM	$ 30.00	$ 0.34	$ 30.33	$ 30.19
4/1/2017 12:00:00 AM	5/1/2017 12:00:00 AM	$ 27.75	$ 0.34	$ 28.08	$ 27.94
5/1/2017 12:00:00 AM	6/1/2017 12:00:00 AM	$ 27.45	$ 0.35	$ 27.78	$ 27.64
6/1/2017 12:00:00 AM	7/1/2017 12:00:00 AM	$ 26.45	$ 0.37	$ 26.78	$ 26.64
7/1/2017 12:00:00 AM	8/1/2017 12:00:00 AM	$ 36.20	$ 0.36	$ 36.53	$ 36.39
8/1/2017 12:00:00 AM	9/1/2017 12:00:00 AM	$ 32.70	$ 0.36	$ 33.03	$ 32.89
9/1/2017 12:00:00 AM	10/1/2017 12:00:00 AM	$ 28.80	$ 0.35	$ 29.13	$ 28.99
10/1/2017 12:00:00 AM	11/1/2017 12:00:00 AM	$ 23.85	$ 0.33	$ 24.18	$ 24.04
11/1/2017 12:00:00 AM	12/1/2017 12:00:00 AM	$ 23.80	$ 0.35	$ 24.13	$ 23.99
12/1/2017 12:00:00 AM	1/1/2018 12:00:00 AM	$ 26.40	$ 0.35	$ 26.73	$ 26.59
1/1/2018 12:00:00 AM	2/1/2018 12:00:00 AM	$ 35.05	$ 0.35	$ 35.38	$ 35.24
2/1/2018 12:00:00 AM	3/1/2018 12:00:00 AM	$ 32.65	$ 0.33	$ 32.98	$ 32.84
3/1/2018 12:00:00 AM	4/1/2018 12:00:00 AM	$ 26.90	$ 0.32	$ 27.23	$ 27.09
4/1/2018 12:00:00 AM	5/1/2018 12:00:00 AM	$ 24.45	$ 0.32	$ 24.78	$ 24.64
5/1/2018 12:00:00 AM	6/1/2018 12:00:00 AM	$ 25.30	$ 0.32	$ 25.63	$ 25.49
6/1/2018 12:00:00 AM	7/1/2018 12:00:00 AM	$ 25.10	$ 0.32	$ 25.43	$ 25.29
7/1/2018 12:00:00 AM	8/1/2018 12:00:00 AM	$ 31.70	$ 0.32	$ 32.03	$ 31.89
8/1/2018 12:00:00 AM	9/1/2018 12:00:00 AM	$ 28.80	$ 0.32	$ 29.13	$ 28.99
9/1/2018 12:00:00 AM	10/1/2018 12:00:00 AM	$ 24.25	$ 0.32	$ 24.58	$ 24.44
10/1/2018 12:00:00 AM	11/1/2018 12:00:00 AM	$ 24.40	$ 0.32	$ 24.73	$ 24.59
11/1/2018 12:00:00 AM	12/1/2018 12:00:00 AM	$ 24.30	$ 0.32	$ 24.63	$ 24.49
12/1/2018 12:00:00 AM	1/1/2019 12:00:00 AM	$ 24.80	$ 0.32	$ 25.13	$ 24.99
1/1/2019 12:00:00 AM	2/1/2019 12:00:00 AM	$ 38.33	$ 0.32	$ 38.66	$ 38.52
2/1/2019 12:00:00 AM	3/1/2019 12:00:00 AM	$ 35.71	$ 0.32	$ 36.03	$ 35.90
3/1/2019 12:00:00 AM	4/1/2019 12:00:00 AM	$ 29.42	$ 0.32	$ 29.74	$ 29.61
4/1/2019 12:00:00 AM	5/1/2019 12:00:00 AM	$ 26.74	$ 0.32	$ 27.06	$ 26.93
5/1/2019 12:00:00 AM	6/1/2019 12:00:00 AM	$ 27.67	$ 0.32	$ 27.99	$ 27.86
6/1/2019 12:00:00 AM	7/1/2019 12:00:00 AM	$ 27.45	$ 0.32	$ 27.77	$ 27.64
7/1/2019 12:00:00 AM	8/1/2019 12:00:00 AM	$ 34.67	$ 0.32	$ 34.99	$ 34.86
8/1/2019 12:00:00 AM	9/1/2019 12:00:00 AM	$ 31.50	$ 0.32	$ 31.82	$ 31.69
9/1/2019 12:00:00 AM	10/1/2019 12:00:00 AM	$ 26.52	$ 0.32	$ 26.84	$ 26.71
10/1/2019 12:00:00 AM	11/1/2019 12:00:00 AM	$ 26.68	$ 0.32	$ 27.01	$ 26.87

11/1/2019 12:00:00 AM	12/1/2019 12:00:00 AM	$ 26.57	$ 0.32	$ 26.90	$ 26.76
12/1/2019 12:00:00 AM	1/1/2020 12:00:00 AM	$ 27.12	$ 0.32	$ 27.45	$ 27.31
1/1/2020 12:00:00 AM	2/1/2020 12:00:00 AM	$ 41.77	$ 0.32	$ 42.10	$ 41.96
2/1/2020 12:00:00 AM	3/1/2020 12:00:00 AM	$ 38.91	$ 0.32	$ 39.24	$ 39.10
3/1/2020 12:00:00 AM	4/1/2020 12:00:00 AM	$ 32.06	$ 0.32	$ 32.38	$ 32.25
4/1/2020 12:00:00 AM	5/1/2020 12:00:00 AM	$ 29.14	$ 0.32	$ 29.47	$ 29.33
5/1/2020 12:00:00 AM	6/1/2020 12:00:00 AM	$ 30.15	$ 0.32	$ 30.48	$ 30.34
6/1/2020 12:00:00 AM	7/1/2020 12:00:00 AM	$ 29.91	$ 0.32	$ 30.24	$ 30.10
7/1/2020 12:00:00 AM	8/1/2020 12:00:00 AM	$ 37.78	$ 0.32	$ 38.11	$ 37.97
8/1/2020 12:00:00 AM	9/1/2020 12:00:00 AM	$ 34.32	$ 0.32	$ 34.65	$ 34.51
9/1/2020 12:00:00 AM	10/1/2020 12:00:00 AM	$ 28.90	$ 0.32	$ 29.23	$ 29.09
10/1/2020 12:00:00 AM	11/1/2020 12:00:00 AM	$ 29.08	$ 0.32	$ 29.41	$ 29.27
11/1/2020 12:00:00 AM	12/1/2020 12:00:00 AM	$ 28.96	$ 0.32	$ 29.29	$ 29.15
12/1/2020 12:00:00 AM	1/1/2021 12:00:00 AM	$ 29.56	$ 0.32	$ 29.88	$ 29.75
1/1/2021 12:00:00 AM	2/1/2021 12:00:00 AM	$ 43.84	$ 0.32	$ 44.16	$ 44.03
2/1/2021 12:00:00 AM	3/1/2021 12:00:00 AM	$ 40.84	$ 0.32	$ 41.16	$ 41.03
3/1/2021 12:00:00 AM	4/1/2021 12:00:00 AM	$ 33.65	$ 0.32	$ 33.97	$ 33.84
4/1/2021 12:00:00 AM	5/1/2021 12:00:00 AM	$ 30.58	$ 0.32	$ 30.91	$ 30.77
5/1/2021 12:00:00 AM	6/1/2021 12:00:00 AM	$ 31.64	$ 0.32	$ 31.97	$ 31.83
6/1/2021 12:00:00 AM	7/1/2021 12:00:00 AM	$ 31.39	$ 0.32	$ 31.72	$ 31.58
7/1/2021 12:00:00 AM	8/1/2021 12:00:00 AM	$ 39.65	$ 0.32	$ 39.97	$ 39.84
8/1/2021 12:00:00 AM	9/1/2021 12:00:00 AM	$ 36.02	$ 0.32	$ 36.35	$ 36.21
9/1/2021 12:00:00 AM	10/1/2021 12:00:00 AM	$ 30.33	$ 0.32	$ 30.66	$ 30.52
10/1/2021 12:00:00 AM	11/1/2021 12:00:00 AM	$ 30.52	$ 0.32	$ 30.84	$ 30.71
11/1/2021 12:00:00 AM	12/1/2021 12:00:00 AM	$ 30.39	$ 0.32	$ 30.72	$ 30.58
12/1/2021 12:00:00 AM	1/1/2022 12:00:00 AM	$ 31.02	$ 0.32	$ 31.34	$ 31.21
1/1/2022 12:00:00 AM	2/1/2022 12:00:00 AM	$ 45.40	$ 0.32	$ 45.72	$ 45.59
2/1/2022 12:00:00 AM	3/1/2022 12:00:00 AM	$ 42.29	$ 0.32	$ 42.61	$ 42.48
3/1/2022 12:00:00 AM	4/1/2022 12:00:00 AM	$ 34.84	$ 0.32	$ 35.17	$ 35.03
4/1/2022 12:00:00 AM	5/1/2022 12:00:00 AM	$ 31.67	$ 0.32	$ 31.99	$ 31.86
5/1/2022 12:00:00 AM	6/1/2022 12:00:00 AM	$ 32.77	$ 0.32	$ 33.09	$ 32.96
6/1/2022 12:00:00 AM	7/1/2022 12:00:00 AM	$ 32.51	$ 0.32	$ 32.83	$ 32.70
7/1/2022 12:00:00 AM	8/1/2022 12:00:00 AM	$ 41.06	$ 0.32	$ 41.38	$ 41.25
8/1/2022 12:00:00 AM	9/1/2022 12:00:00 AM	$ 37.30	$ 0.32	$ 37.63	$ 37.49
9/1/2022 12:00:00 AM	10/1/2022 12:00:00 AM	$ 31.41	$ 0.32	$ 31.73	$ 31.60
10/1/2022 12:00:00 AM	11/1/2022 12:00:00 AM	$ 31.60	$ 0.32	$ 31.93	$ 31.79
11/1/2022 12:00:00 AM	12/1/2022 12:00:00 AM	$ 31.47	$ 0.32	$ 31.80	$ 31.66
12/1/2022 12:00:00 AM	1/1/2023 12:00:00 AM	$ 32.12	$ 0.32	$ 32.45	$ 32.31
1/1/2023 12:00:00 AM	2/1/2023 12:00:00 AM	$ 48.21	$ 0.32	$ 48.54	$ 48.40
2/1/2023 12:00:00 AM	3/1/2023 12:00:00 AM	$ 44.91	$ 0.32	$ 45.24	$ 45.10
3/1/2023 12:00:00 AM	4/1/2023 12:00:00 AM	$ 37.00	$ 0.32	$ 37.33	$ 37.19
4/1/2023 12:00:00 AM	5/1/2023 12:00:00 AM	$ 33.63	$ 0.32	$ 33.96	$ 33.82
5/1/2023 12:00:00 AM	6/1/2023 12:00:00 AM	$ 34.80	$ 0.32	$ 35.13	$ 34.99
6/1/2023 12:00:00 AM	7/1/2023 12:00:00 AM	$ 34.53	$ 0.32	$ 34.85	$ 34.72
7/1/2023 12:00:00 AM	8/1/2023 12:00:00 AM	$ 43.60	$ 0.32	$ 43.93	$ 43.79
8/1/2023 12:00:00 AM	9/1/2023 12:00:00 AM	$ 39.61	$ 0.32	$ 39.94	$ 39.80
9/1/2023 12:00:00 AM	10/1/2023 12:00:00 AM	$ 33.36	$ 0.32	$ 33.68	$ 33.55

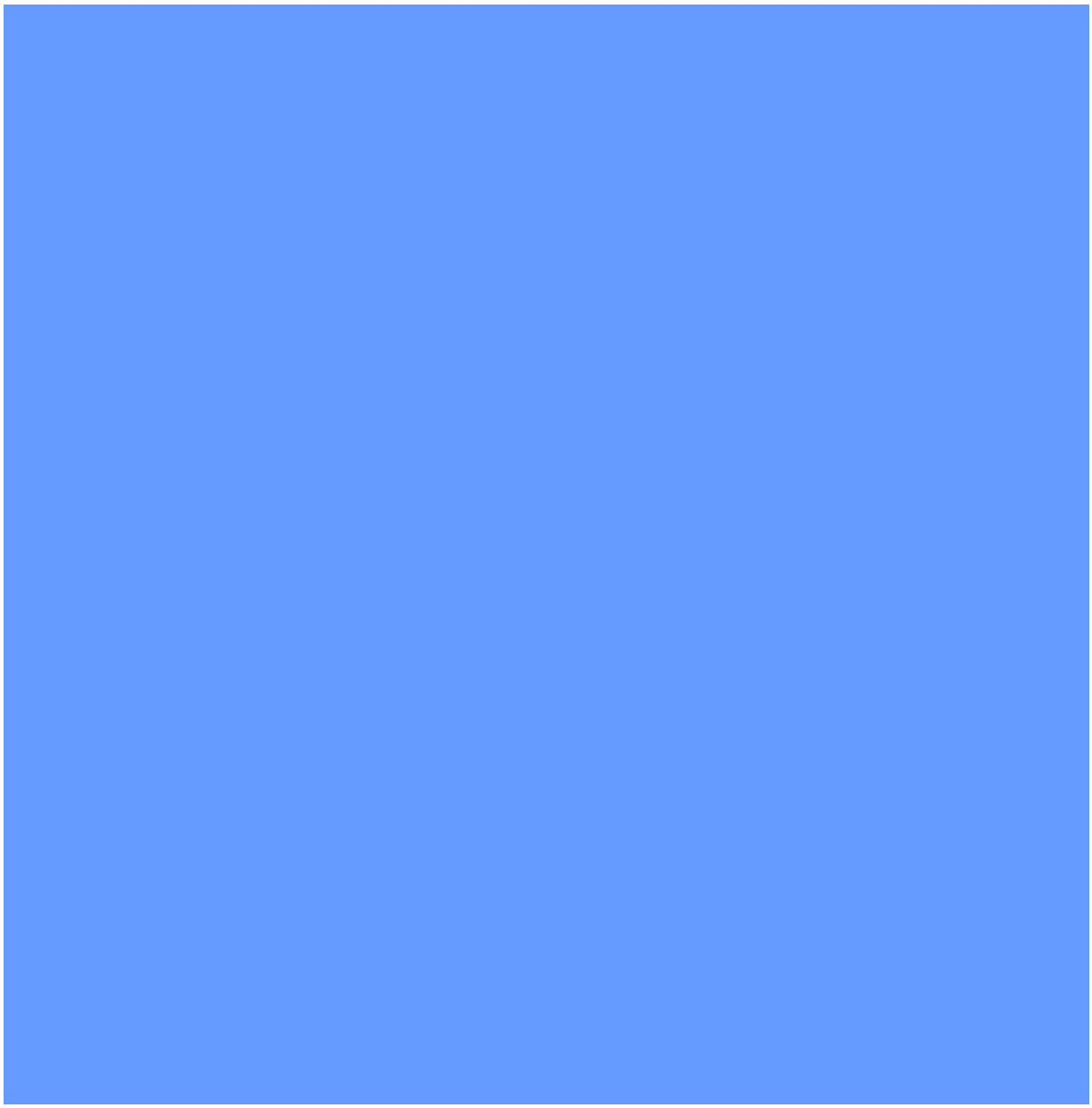
10/1/2023 12:00:00 AM	11/1/2023 12:00:00 AM	$ 33.56	$ 0.32	$ 33.89	$ 33.75
11/1/2023 12:00:00 AM	12/1/2023 12:00:00 AM	$ 33.42	$ 0.32	$ 33.75	$ 33.61
12/1/2023 12:00:00 AM	1/1/2024 12:00:00 AM	$ 34.11	$ 0.32	$ 34.44	$ 34.30
1/1/2024 12:00:00 AM	2/1/2024 12:00:00 AM	$ 50.43	$ 0.32	$ 50.75	$ 50.62
2/1/2024 12:00:00 AM	3/1/2024 12:00:00 AM	$ 46.98	$ 0.32	$ 47.30	$ 47.17
3/1/2024 12:00:00 AM	4/1/2024 12:00:00 AM	$ 38.70	$ 0.32	$ 39.03	$ 38.89
4/1/2024 12:00:00 AM	5/1/2024 12:00:00 AM	$ 35.18	$ 0.32	$ 35.50	$ 35.37
5/1/2024 12:00:00 AM	6/1/2024 12:00:00 AM	$ 36.40	$ 0.32	$ 36.73	$ 36.59
6/1/2024 12:00:00 AM	7/1/2024 12:00:00 AM	$ 36.11	$ 0.32	$ 36.44	$ 36.30
7/1/2024 12:00:00 AM	8/1/2024 12:00:00 AM	$ 45.61	$ 0.32	$ 45.93	$ 45.80
8/1/2024 12:00:00 AM	9/1/2024 12:00:00 AM	$ 41.44	$ 0.32	$ 41.76	$ 41.63
9/1/2024 12:00:00 AM	10/1/2024 12:00:00 AM	$ 34.89	$ 0.32	$ 35.21	$ 35.08
10/1/2024 12:00:00 AM	11/1/2024 12:00:00 AM	$ 35.11	$ 0.32	$ 35.43	$ 35.30
11/1/2024 12:00:00 AM	12/1/2024 12:00:00 AM	$ 34.96	$ 0.32	$ 35.29	$ 35.15
12/1/2024 12:00:00 AM	1/1/2025 12:00:00 AM	$ 35.68	$ 0.32	$ 36.01	$ 35.87
1/1/2025 12:00:00 AM	2/1/2025 12:00:00 AM	$ 52.85	$ 0.32	$ 53.17	$ 53.04
2/1/2025 12:00:00 AM	3/1/2025 12:00:00 AM	$ 49.23	$ 0.32	$ 49.55	$ 49.42
3/1/2025 12:00:00 AM	4/1/2025 12:00:00 AM	$ 40.56	$ 0.32	$ 40.88	$ 40.75
4/1/2025 12:00:00 AM	5/1/2025 12:00:00 AM	$ 36.86	$ 0.32	$ 37.19	$ 37.05
5/1/2025 12:00:00 AM	6/1/2025 12:00:00 AM	$ 38.15	$ 0.32	$ 38.47	$ 38.34
6/1/2025 12:00:00 AM	7/1/2025 12:00:00 AM	$ 37.84	$ 0.32	$ 38.17	$ 38.03
7/1/2025 12:00:00 AM	8/1/2025 12:00:00 AM	$ 47.80	$ 0.32	$ 48.12	$ 47.99
8/1/2025 12:00:00 AM	9/1/2025 12:00:00 AM	$ 43.42	$ 0.32	$ 43.75	$ 43.61
9/1/2025 12:00:00 AM	10/1/2025 12:00:00 AM	$ 36.56	$ 0.32	$ 36.89	$ 36.75
10/1/2025 12:00:00 AM	11/1/2025 12:00:00 AM	$ 36.79	$ 0.32	$ 37.11	$ 36.98
11/1/2025 12:00:00 AM	12/1/2025 12:00:00 AM	$ 36.64	$ 0.32	$ 36.96	$ 36.83
12/1/2025 12:00:00 AM	1/1/2026 12:00:00 AM	$ 37.39	$ 0.32	$ 37.72	$ 37.58
1/1/2026 12:00:00 AM	2/1/2026 12:00:00 AM	$ 53.86	$ 0.32	$ 54.18	$ 54.05
2/1/2026 12:00:00 AM	3/1/2026 12:00:00 AM	$ 50.17	$ 0.32	$ 50.49	$ 50.36
3/1/2026 12:00:00 AM	4/1/2026 12:00:00 AM	$ 41.33	$ 0.32	$ 41.66	$ 41.52
4/1/2026 12:00:00 AM	5/1/2026 12:00:00 AM	$ 37.57	$ 0.32	$ 37.89	$ 37.76
5/1/2026 12:00:00 AM	6/1/2026 12:00:00 AM	$ 38.87	$ 0.32	$ 39.20	$ 39.06
6/1/2026 12:00:00 AM	7/1/2026 12:00:00 AM	$ 38.57	$ 0.32	$ 38.89	$ 38.76
7/1/2026 12:00:00 AM	8/1/2026 12:00:00 AM	$ 48.71	$ 0.32	$ 49.03	$ 48.90
8/1/2026 12:00:00 AM	9/1/2026 12:00:00 AM	$ 44.25	$ 0.32	$ 44.58	$ 44.44
9/1/2026 12:00:00 AM	10/1/2026 12:00:00 AM	$ 37.26	$ 0.32	$ 37.59	$ 37.45
10/1/2026 12:00:00 AM	11/1/2026 12:00:00 AM	$ 37.49	$ 0.32	$ 37.82	$ 37.68
11/1/2026 12:00:00 AM	12/1/2026 12:00:00 AM	$ 37.34	$ 0.32	$ 37.66	$ 37.53
12/1/2026 12:00:00 AM	1/1/2027 12:00:00 AM	$ 38.11	$ 0.32	$ 38.43	$ 38.30
1/1/2027 12:00:00 AM	2/1/2027 12:00:00 AM	$ 53.86	$ 0.32	$ 54.18	$ 54.05
2/1/2027 12:00:00 AM	3/1/2027 12:00:00 AM	$ 50.17	$ 0.32	$ 50.49	$ 50.36
3/1/2027 12:00:00 AM	4/1/2027 12:00:00 AM	$ 41.33	$ 0.32	$ 41.66	$ 41.52
4/1/2027 12:00:00 AM	5/1/2027 12:00:00 AM	$ 37.57	$ 0.32	$ 37.89	$ 37.76
5/1/2027 12:00:00 AM	6/1/2027 12:00:00 AM	$ 38.88	$ 0.32	$ 39.20	$ 39.07
6/1/2027 12:00:00 AM	7/1/2027 12:00:00 AM	$ 38.57	$ 0.32	$ 38.89	$ 38.76
7/1/2027 12:00:00 AM	8/1/2027 12:00:00 AM	$ 48.71	$ 0.32	$ 49.03	$ 48.90
8/1/2027 12:00:00 AM	9/1/2027 12:00:00 AM	$ 44.25	$ 0.32	$ 44.58	$ 44.44

9/1/2027 12:00:00 AM	10/1/2027 12:00:00 AM	$ 37.26	$ 0.32	$ 37.59	$ 37.45
10/1/2027 12:00:00 AM	11/1/2027 12:00:00 AM	$ 37.49	$ 0.32	$ 37.82	$ 37.68
11/1/2027 12:00:00 AM	12/1/2027 12:00:00 AM	$ 37.34	$ 0.32	$ 37.66	$ 37.53
12/1/2027 12:00:00 AM	1/1/2028 12:00:00 AM	$ 38.11	$ 0.32	$ 38.43	$ 38.30
1/1/2028 12:00:00 AM	2/1/2028 12:00:00 AM	$ 54.43	$ 0.32	$ 54.75	$ 54.62
2/1/2028 12:00:00 AM	3/1/2028 12:00:00 AM	$ 50.70	$ 0.32	$ 51.02	$ 50.89
3/1/2028 12:00:00 AM	4/1/2028 12:00:00 AM	$ 41.77	$ 0.32	$ 42.10	$ 41.96
4/1/2028 12:00:00 AM	5/1/2028 12:00:00 AM	$ 37.97	$ 0.32	$ 38.29	$ 38.16
5/1/2028 12:00:00 AM	6/1/2028 12:00:00 AM	$ 39.29	$ 0.32	$ 39.61	$ 39.48
6/1/2028 12:00:00 AM	7/1/2028 12:00:00 AM	$ 38.98	$ 0.32	$ 39.30	$ 39.17
7/1/2028 12:00:00 AM	8/1/2028 12:00:00 AM	$ 49.22	$ 0.32	$ 49.55	$ 49.41
8/1/2028 12:00:00 AM	9/1/2028 12:00:00 AM	$ 44.72	$ 0.32	$ 45.05	$ 44.91
9/1/2028 12:00:00 AM	10/1/2028 12:00:00 AM	$ 37.66	$ 0.32	$ 37.98	$ 37.85
10/1/2028 12:00:00 AM	11/1/2028 12:00:00 AM	$ 37.89	$ 0.32	$ 38.21	$ 38.08
11/1/2028 12:00:00 AM	12/1/2028 12:00:00 AM	$ 37.73	$ 0.32	$ 38.06	$ 37.92
12/1/2028 12:00:00 AM	1/1/2029 12:00:00 AM	$ 38.51	$ 0.32	$ 38.83	$ 38.70
1/1/2029 12:00:00 AM	2/1/2029 12:00:00 AM	$ 55.02	$ 0.32	$ 55.35	$ 55.21
2/1/2029 12:00:00 AM	3/1/2029 12:00:00 AM	$ 51.25	$ 0.32	$ 51.58	$ 51.44
3/1/2029 12:00:00 AM	4/1/2029 12:00:00 AM	$ 42.23	$ 0.32	$ 42.55	$ 42.42
4/1/2029 12:00:00 AM	5/1/2029 12:00:00 AM	$ 38.38	$ 0.32	$ 38.71	$ 38.57
5/1/2029 12:00:00 AM	6/1/2029 12:00:00 AM	$ 39.72	$ 0.32	$ 40.04	$ 39.91
6/1/2029 12:00:00 AM	7/1/2029 12:00:00 AM	$ 39.40	$ 0.32	$ 39.73	$ 39.59
7/1/2029 12:00:00 AM	8/1/2029 12:00:00 AM	$ 49.76	$ 0.32	$ 50.09	$ 49.95
8/1/2029 12:00:00 AM	9/1/2029 12:00:00 AM	$ 45.21	$ 0.32	$ 45.54	$ 45.40
9/1/2029 12:00:00 AM	10/1/2029 12:00:00 AM	$ 38.07	$ 0.32	$ 38.39	$ 38.26
10/1/2029 12:00:00 AM	11/1/2029 12:00:00 AM	$ 38.30	$ 0.32	$ 38.63	$ 38.49
11/1/2029 12:00:00 AM	12/1/2029 12:00:00 AM	$ 38.15	$ 0.32	$ 38.47	$ 38.34
12/1/2029 12:00:00 AM	1/1/2030 12:00:00 AM	$ 38.93	$ 0.32	$ 39.26	$ 39.12
1/1/2030 12:00:00 AM	2/1/2030 12:00:00 AM	$ 55.95	$ 0.32	$ 56.28	$ 56.14
2/1/2030 12:00:00 AM	3/1/2030 12:00:00 AM	$ 52.12	$ 0.32	$ 52.45	$ 52.31
3/1/2030 12:00:00 AM	4/1/2030 12:00:00 AM	$ 42.94	$ 0.32	$ 43.27	$ 43.13
4/1/2030 12:00:00 AM	5/1/2030 12:00:00 AM	$ 39.03	$ 0.32	$ 39.36	$ 39.22
5/1/2030 12:00:00 AM	6/1/2030 12:00:00 AM	$ 40.39	$ 0.32	$ 40.71	$ 40.58
6/1/2030 12:00:00 AM	7/1/2030 12:00:00 AM	$ 40.07	$ 0.32	$ 40.39	$ 40.26
7/1/2030 12:00:00 AM	8/1/2030 12:00:00 AM	$ 50.61	$ 0.32	$ 50.93	$ 50.80
8/1/2030 12:00:00 AM	9/1/2030 12:00:00 AM	$ 45.98	$ 0.32	$ 46.30	$ 46.17
9/1/2030 12:00:00 AM	10/1/2030 12:00:00 AM	$ 38.71	$ 0.32	$ 39.04	$ 38.90
10/1/2030 12:00:00 AM	11/1/2030 12:00:00 AM	$ 38.95	$ 0.32	$ 39.28	$ 39.14
11/1/2030 12:00:00 AM	12/1/2030 12:00:00 AM	$ 38.79	$ 0.32	$ 39.12	$ 38.98
12/1/2030 12:00:00 AM	1/1/2031 12:00:00 AM	$ 39.59	$ 0.32	$ 39.92	$ 39.78
1/1/2031 12:00:00 AM	2/1/2031 12:00:00 AM	$ 57.40	$ 0.32	$ 57.73	$ 57.59
2/1/2031 12:00:00 AM	3/1/2031 12:00:00 AM	$ 53.47	$ 0.32	$ 53.80	$ 53.66
3/1/2031 12:00:00 AM	4/1/2031 12:00:00 AM	$ 44.05	$ 0.32	$ 44.38	$ 44.24
4/1/2031 12:00:00 AM	5/1/2031 12:00:00 AM	$ 40.04	$ 0.32	$ 40.37	$ 40.23
5/1/2031 12:00:00 AM	6/1/2031 12:00:00 AM	$ 41.43	$ 0.32	$ 41.76	$ 41.62
6/1/2031 12:00:00 AM	7/1/2031 12:00:00 AM	$ 41.11	$ 0.32	$ 41.43	$ 41.30
7/1/2031 12:00:00 AM	8/1/2031 12:00:00 AM	$ 51.91	$ 0.32	$ 52.24	$ 52.10

8/1/2031 12:00:00 AM	9/1/2031 12:00:00 AM	$ 47.17	$ 0.32	$ 47.49	$ 47.36
9/1/2031 12:00:00 AM	10/1/2031 12:00:00 AM	$ 39.71	$ 0.32	$ 40.04	$ 39.90
10/1/2031 12:00:00 AM	11/1/2031 12:00:00 AM	$ 39.96	$ 0.32	$ 40.28	$ 40.15
11/1/2031 12:00:00 AM	12/1/2031 12:00:00 AM	$ 39.80	$ 0.32	$ 40.12	$ 39.99
12/1/2031 12:00:00 AM	1/1/2032 12:00:00 AM	$ 40.61	$ 0.32	$ 40.94	$ 40.80
1/1/2032 12:00:00 AM	2/1/2032 12:00:00 AM	$ 59.99	$ 0.32	$ 60.32	$ 60.18
2/1/2032 12:00:00 AM	3/1/2032 12:00:00 AM	$ 55.89	$ 0.32	$ 56.21	$ 56.08
3/1/2032 12:00:00 AM	4/1/2032 12:00:00 AM	$ 46.04	$ 0.32	$ 46.37	$ 46.23
4/1/2032 12:00:00 AM	5/1/2032 12:00:00 AM	$ 41.85	$ 0.32	$ 42.17	$ 42.04
5/1/2032 12:00:00 AM	6/1/2032 12:00:00 AM	$ 43.30	$ 0.32	$ 43.63	$ 43.49
6/1/2032 12:00:00 AM	7/1/2032 12:00:00 AM	$ 42.96	$ 0.32	$ 43.29	$ 43.15
7/1/2032 12:00:00 AM	8/1/2032 12:00:00 AM	$ 54.26	$ 0.32	$ 54.58	$ 54.45
8/1/2032 12:00:00 AM	9/1/2032 12:00:00 AM	$ 49.30	$ 0.32	$ 49.62	$ 49.49
9/1/2032 12:00:00 AM	10/1/2032 12:00:00 AM	$ 41.51	$ 0.32	$ 41.83	$ 41.70
10/1/2032 12:00:00 AM	11/1/2032 12:00:00 AM	$ 41.76	$ 0.32	$ 42.09	$ 41.95
11/1/2032 12:00:00 AM	12/1/2032 12:00:00 AM	$ 41.59	$ 0.32	$ 41.92	$ 41.78
12/1/2032 12:00:00 AM	1/1/2033 12:00:00 AM	$ 42.45	$ 0.32	$ 42.77	$ 42.64
1/1/2033 12:00:00 AM	2/1/2033 12:00:00 AM	$ 61.90	$ 0.32	$ 62.23	$ 62.09
2/1/2033 12:00:00 AM	3/1/2033 12:00:00 AM	$ 57.66	$ 0.32	$ 57.99	$ 57.85
3/1/2033 12:00:00 AM	4/1/2033 12:00:00 AM	$ 47.51	$ 0.32	$ 47.83	$ 47.70
4/1/2033 12:00:00 AM	5/1/2033 12:00:00 AM	$ 43.18	$ 0.32	$ 43.51	$ 43.37
5/1/2033 12:00:00 AM	6/1/2033 12:00:00 AM	$ 44.68	$ 0.32	$ 45.01	$ 44.87
6/1/2033 12:00:00 AM	7/1/2033 12:00:00 AM	$ 44.33	$ 0.32	$ 44.66	$ 44.52
7/1/2033 12:00:00 AM	8/1/2033 12:00:00 AM	$ 55.99	$ 0.32	$ 56.31	$ 56.18
8/1/2033 12:00:00 AM	9/1/2033 12:00:00 AM	$ 50.87	$ 0.32	$ 51.19	$ 51.06
9/1/2033 12:00:00 AM	10/1/2033 12:00:00 AM	$ 42.83	$ 0.32	$ 43.15	$ 43.02
10/1/2033 12:00:00 AM	11/1/2033 12:00:00 AM	$ 43.09	$ 0.32	$ 43.42	$ 43.28
11/1/2033 12:00:00 AM	12/1/2033 12:00:00 AM	$ 42.92	$ 0.32	$ 43.24	$ 43.11
12/1/2033 12:00:00 AM	1/1/2034 12:00:00 AM	$ 43.80	$ 0.32	$ 44.13	$ 43.99
1/1/2034 12:00:00 AM	2/1/2034 12:00:00 AM	$ 63.84	$ 0.32	$ 64.16	$ 64.03
2/1/2034 12:00:00 AM	3/1/2034 12:00:00 AM	$ 59.47	$ 0.32	$ 59.79	$ 59.66
3/1/2034 12:00:00 AM	4/1/2034 12:00:00 AM	$ 48.99	$ 0.32	$ 49.32	$ 49.18
4/1/2034 12:00:00 AM	5/1/2034 12:00:00 AM	$ 44.53	$ 0.32	$ 44.86	$ 44.72
5/1/2034 12:00:00 AM	6/1/2034 12:00:00 AM	$ 46.08	$ 0.32	$ 46.41	$ 46.27
6/1/2034 12:00:00 AM	7/1/2034 12:00:00 AM	$ 45.72	$ 0.32	$ 46.04	$ 45.91
7/1/2034 12:00:00 AM	8/1/2034 12:00:00 AM	$ 57.74	$ 0.32	$ 58.06	$ 57.93
8/1/2034 12:00:00 AM	9/1/2034 12:00:00 AM	$ 52.45	$ 0.32	$ 52.78	$ 52.64
9/1/2034 12:00:00 AM	10/1/2034 12:00:00 AM	$ 44.17	$ 0.32	$ 44.49	$ 44.36
10/1/2034 12:00:00 AM	11/1/2034 12:00:00 AM	$ 44.44	$ 0.32	$ 44.77	$ 44.63
11/1/2034 12:00:00 AM	12/1/2034 12:00:00 AM	$ 44.26	$ 0.32	$ 44.58	$ 44.45
12/1/2034 12:00:00 AM	1/1/2035 12:00:00 AM	$ 45.17	$ 0.32	$ 45.49	$ 45.36
1/1/2035 12:00:00 AM	2/1/2035 12:00:00 AM	$ 65.25	$ 0.32	$ 65.57	$ 65.44
2/1/2035 12:00:00 AM	3/1/2035 12:00:00 AM	$ 60.78	$ 0.32	$ 61.10	$ 60.97
3/1/2035 12:00:00 AM	4/1/2035 12:00:00 AM	$ 50.08	$ 0.32	$ 50.40	$ 50.27
4/1/2035 12:00:00 AM	5/1/2035 12:00:00 AM	$ 45.51	$ 0.32	$ 45.84	$ 45.70
5/1/2035 12:00:00 AM	6/1/2035 12:00:00 AM	$ 47.10	$ 0.32	$ 47.42	$ 47.29
6/1/2035 12:00:00 AM	7/1/2035 12:00:00 AM	$ 46.72	$ 0.32	$ 47.05	$ 46.91

7/1/2035 12:00:00 AM	8/1/2035 12:00:00 AM	$ 59.01	$ 0.32	$ 59.34	$ 59.20
8/1/2035 12:00:00 AM	9/1/2035 12:00:00 AM	$ 53.61	$ 0.32	$ 53.94	$ 53.80
9/1/2035 12:00:00 AM	10/1/2035 12:00:00 AM	$ 45.14	$ 0.32	$ 45.47	$ 45.33
10/1/2035 12:00:00 AM	11/1/2035 12:00:00 AM	$ 45.42	$ 0.32	$ 45.75	$ 45.61
11/1/2035 12:00:00 AM	12/1/2035 12:00:00 AM	$ 45.24	$ 0.32	$ 45.56	$ 45.43
12/1/2035 12:00:00 AM	1/1/2036 12:00:00 AM	$ 46.17	$ 0.32	$ 46.49	$ 46.36
1/1/2036 12:00:00 AM	2/1/2036 12:00:00 AM	$ 65.77	$ 0.32	$ 66.10	$ 65.96
2/1/2036 12:00:00 AM	3/1/2036 12:00:00 AM	$ 61.27	$ 0.32	$ 61.59	$ 61.46
3/1/2036 12:00:00 AM	4/1/2036 12:00:00 AM	$ 50.48	$ 0.32	$ 50.80	$ 50.67
4/1/2036 12:00:00 AM	5/1/2036 12:00:00 AM	$ 45.88	$ 0.32	$ 46.21	$ 46.07
5/1/2036 12:00:00 AM	6/1/2036 12:00:00 AM	$ 47.48	$ 0.32	$ 47.80	$ 47.67
6/1/2036 12:00:00 AM	7/1/2036 12:00:00 AM	$ 47.10	$ 0.32	$ 47.43	$ 47.29
7/1/2036 12:00:00 AM	8/1/2036 12:00:00 AM	$ 59.49	$ 0.32	$ 59.81	$ 59.68
8/1/2036 12:00:00 AM	9/1/2036 12:00:00 AM	$ 54.05	$ 0.32	$ 54.37	$ 54.24
9/1/2036 12:00:00 AM	10/1/2036 12:00:00 AM	$ 45.51	$ 0.32	$ 45.83	$ 45.70
10/1/2036 12:00:00 AM	11/1/2036 12:00:00 AM	$ 45.79	$ 0.32	$ 46.11	$ 45.98
11/1/2036 12:00:00 AM	12/1/2036 12:00:00 AM	$ 45.60	$ 0.32	$ 45.93	$ 45.79
12/1/2036 12:00:00 AM	1/1/2037 12:00:00 AM	$ 46.54	$ 0.32	$ 46.86	$ 46.73
1/1/2037 12:00:00 AM	2/1/2037 12:00:00 AM	$ 67.47	$ 0.32	$ 67.79	$ 67.66
2/1/2037 12:00:00 AM	3/1/2037 12:00:00 AM	$ 62.85	$ 0.32	$ 63.17	$ 63.04
3/1/2037 12:00:00 AM	4/1/2037 12:00:00 AM	$ 51.78	$ 0.32	$ 52.11	$ 51.97
4/1/2037 12:00:00 AM	5/1/2037 12:00:00 AM	$ 47.07	$ 0.32	$ 47.39	$ 47.26
5/1/2037 12:00:00 AM	6/1/2037 12:00:00 AM	$ 48.70	$ 0.32	$ 49.03	$ 48.89
6/1/2037 12:00:00 AM	7/1/2037 12:00:00 AM	$ 48.32	$ 0.32	$ 48.64	$ 48.51
7/1/2037 12:00:00 AM	8/1/2037 12:00:00 AM	$ 61.02	$ 0.32	$ 61.35	$ 61.21
8/1/2037 12:00:00 AM	9/1/2037 12:00:00 AM	$ 55.44	$ 0.32	$ 55.76	$ 55.63
9/1/2037 12:00:00 AM	10/1/2037 12:00:00 AM	$ 46.68	$ 0.32	$ 47.01	$ 46.87
10/1/2037 12:00:00 AM	11/1/2037 12:00:00 AM	$ 46.97	$ 0.32	$ 47.29	$ 47.16
11/1/2037 12:00:00 AM	12/1/2037 12:00:00 AM	$ 46.78	$ 0.32	$ 47.10	$ 46.97
12/1/2037 12:00:00 AM	1/1/2038 12:00:00 AM	$ 47.74	$ 0.32	$ 48.06	$ 47.93
1/1/2038 12:00:00 AM	2/1/2038 12:00:00 AM	$ 69.26	$ 0.32	$ 69.58	$ 69.45
2/1/2038 12:00:00 AM	3/1/2038 12:00:00 AM	$ 64.52	$ 0.32	$ 64.84	$ 64.71
3/1/2038 12:00:00 AM	4/1/2038 12:00:00 AM	$ 53.16	$ 0.32	$ 53.48	$ 53.35
4/1/2038 12:00:00 AM	5/1/2038 12:00:00 AM	$ 48.31	$ 0.32	$ 48.64	$ 48.50
5/1/2038 12:00:00 AM	6/1/2038 12:00:00 AM	$ 49.99	$ 0.32	$ 50.32	$ 50.18
6/1/2038 12:00:00 AM	7/1/2038 12:00:00 AM	$ 49.60	$ 0.32	$ 49.92	$ 49.79
7/1/2038 12:00:00 AM	8/1/2038 12:00:00 AM	$ 62.64	$ 0.32	$ 62.97	$ 62.83
8/1/2038 12:00:00 AM	9/1/2038 12:00:00 AM	$ 56.91	$ 0.32	$ 57.23	$ 57.10
9/1/2038 12:00:00 AM	10/1/2038 12:00:00 AM	$ 47.92	$ 0.32	$ 48.24	$ 48.11
10/1/2038 12:00:00 AM	11/1/2038 12:00:00 AM	$ 48.22	$ 0.32	$ 48.54	$ 48.41
11/1/2038 12:00:00 AM	12/1/2038 12:00:00 AM	$ 48.02	$ 0.32	$ 48.34	$ 48.21
12/1/2038 12:00:00 AM	1/1/2039 12:00:00 AM	$ 49.01	$ 0.32	$ 49.33	$ 49.20
1/1/2039 12:00:00 AM	2/1/2039 12:00:00 AM	$ 70.84	$ 0.32	$ 71.17	$ 71.03
2/1/2039 12:00:00 AM	3/1/2039 12:00:00 AM	$ 65.99	$ 0.32	$ 66.32	$ 66.18
3/1/2039 12:00:00 AM	4/1/2039 12:00:00 AM	$ 54.37	$ 0.32	$ 54.69	$ 54.56
4/1/2039 12:00:00 AM	5/1/2039 12:00:00 AM	$ 49.42	$ 0.32	$ 49.74	$ 49.61
5/1/2039 12:00:00 AM	6/1/2039 12:00:00 AM	$ 51.14	$ 0.32	$ 51.46	$ 51.33

6/1/2039 12:00:00 AM	7/1/2039 12:00:00 AM	$ 50.73	$ 0.32	$ 51.06	$ 50.92
7/1/2039 12:00:00 AM	8/1/2039 12:00:00 AM	$ 64.07	$ 0.32	$ 64.40	$ 64.26
8/1/2039 12:00:00 AM	9/1/2039 12:00:00 AM	$ 58.21	$ 0.32	$ 58.53	$ 58.40
9/1/2039 12:00:00 AM	10/1/2039 12:00:00 AM	$ 49.01	$ 0.32	$ 49.34	$ 49.20
10/1/2039 12:00:00 AM	11/1/2039 12:00:00 AM	$ 49.32	$ 0.32	$ 49.64	$ 49.51
11/1/2039 12:00:00 AM	12/1/2039 12:00:00 AM	$ 49.11	$ 0.32	$ 49.44	$ 49.30
12/1/2039 12:00:00 AM	1/1/2040 12:00:00 AM	$ 50.13	$ 0.32	$ 50.45	$ 50.32
1/1/2040 12:00:00 AM	2/1/2040 12:00:00 AM	$ 71.44	$ 0.32	$ 71.77	$ 71.63
2/1/2040 12:00:00 AM	3/1/2040 12:00:00 AM	$ 66.55	$ 0.32	$ 66.88	$ 66.74
3/1/2040 12:00:00 AM	4/1/2040 12:00:00 AM	$ 54.83	$ 0.32	$ 55.16	$ 55.02
4/1/2040 12:00:00 AM	5/1/2040 12:00:00 AM	$ 49.84	$ 0.32	$ 50.16	$ 50.03
5/1/2040 12:00:00 AM	6/1/2040 12:00:00 AM	$ 51.57	$ 0.32	$ 51.89	$ 51.76
6/1/2040 12:00:00 AM	7/1/2040 12:00:00 AM	$ 51.16	$ 0.32	$ 51.49	$ 51.35
7/1/2040 12:00:00 AM	8/1/2040 12:00:00 AM	$ 64.62	$ 0.32	$ 64.94	$ 64.81
8/1/2040 12:00:00 AM	9/1/2040 12:00:00 AM	$ 58.70	$ 0.32	$ 59.03	$ 58.89
9/1/2040 12:00:00 AM	10/1/2040 12:00:00 AM	$ 49.43	$ 0.32	$ 49.75	$ 49.62
10/1/2040 12:00:00 AM	11/1/2040 12:00:00 AM	$ 49.74	$ 0.32	$ 50.06	$ 49.93
11/1/2040 12:00:00 AM	12/1/2040 12:00:00 AM	$ 49.53	$ 0.32	$ 49.86	$ 49.72
12/1/2040 12:00:00 AM	1/1/2041 12:00:00 AM	$ 50.55	$ 0.32	$ 50.88	$ 50.74



Big Stone	Coyote	Huron 1	Huron 2	Neal 4	Oak Tree	Titan	Load
$ 31.75	$ 30.99	$ 31.28	$ 31.28	$ 31.76	$ 31.76	$ 0.16	$ 32.05
$ 31.80	$ 31.04	$ 31.33	$ 31.33	$ 31.81	$ 31.81	$ 0.17	$ 32.10
$ 30.30	$ 29.54	$ 29.83	$ 29.83	$ 30.31	$ 30.31	$ 0.17	$ 30.60
$ 28.05	$ 27.29	$ 27.58	$ 27.58	$ 28.06	$ 28.06	$ 0.17	$ 28.35
$ 27.75	$ 26.99	$ 27.28	$ 27.28	$ 27.76	$ 27.76	$ 0.18	$ 28.05
$ 26.75	$ 25.99	$ 26.28	$ 26.28	$ 26.76	$ 26.76	$ 0.20	$ 27.05
$ 36.50	$ 35.74	$ 36.03	$ 36.03	$ 36.51	$ 36.51	$ 0.19	$ 36.80
$ 33.00	$ 32.24	$ 32.53	$ 32.53	$ 33.01	$ 33.01	$ 0.19	$ 33.30
$ 29.10	$ 28.34	$ 28.63	$ 28.63	$ 29.11	$ 29.11	$ 0.18	$ 29.40
$ 24.15	$ 23.39	$ 23.68	$ 23.68	$ 24.16	$ 24.16	$ 0.16	$ 24.45
$ 24.10	$ 23.34	$ 23.63	$ 23.63	$ 24.11	$ 24.11	$ 0.18	$ 24.40
$ 26.70	$ 25.94	$ 26.23	$ 26.23	$ 26.71	$ 26.71	$ 0.18	$ 27.00
$ 35.35	$ 34.59	$ 34.88	$ 34.88	$ 35.36	$ 35.36	$ 0.18	$ 35.65
$ 32.95	$ 32.19	$ 32.48	$ 32.48	$ 32.96	$ 32.96	$ 0.16	$ 33.25
$ 27.20	$ 26.44	$ 26.73	$ 26.73	$ 27.21	$ 27.21	$ 0.15	$ 27.50
$ 24.75	$ 23.99	$ 24.28	$ 24.28	$ 24.76	$ 24.76	$ 0.15	$ 25.05
$ 25.60	$ 24.84	$ 25.13	$ 25.13	$ 25.61	$ 25.61	$ 0.15	$ 25.90
$ 25.40	$ 24.64	$ 24.93	$ 24.93	$ 25.41	$ 25.41	$ 0.15	$ 25.70
$ 32.00	$ 31.24	$ 31.53	$ 31.53	$ 32.01	$ 32.01	$ 0.15	$ 32.30
$ 29.10	$ 28.34	$ 28.63	$ 28.63	$ 29.11	$ 29.11	$ 0.15	$ 29.40
$ 24.55	$ 23.79	$ 24.08	$ 24.08	$ 24.56	$ 24.56	$ 0.15	$ 24.85
$ 24.70	$ 23.94	$ 24.23	$ 24.23	$ 24.71	$ 24.71	$ 0.15	$ 25.00
$ 24.60	$ 23.84	$ 24.13	$ 24.13	$ 24.61	$ 24.61	$ 0.15	$ 24.90
$ 25.10	$ 24.34	$ 24.63	$ 24.63	$ 25.11	$ 25.11	$ 0.15	$ 25.40
$ 38.63	$ 37.87	$ 38.16	$ 38.16	$ 38.64	$ 38.64	$ 0.15	$ 38.93
$ 36.00	$ 35.25	$ 35.54	$ 35.54	$ 36.02	$ 36.02	$ 0.15	$ 36.30
$ 29.71	$ 28.96	$ 29.25	$ 29.25	$ 29.73	$ 29.73	$ 0.15	$ 30.01
$ 27.03	$ 26.28	$ 26.57	$ 26.57	$ 27.05	$ 27.05	$ 0.15	$ 27.33
$ 27.96	$ 27.21	$ 27.50	$ 27.50	$ 27.98	$ 27.98	$ 0.15	$ 28.26
$ 27.74	$ 26.99	$ 27.28	$ 27.28	$ 27.76	$ 27.76	$ 0.15	$ 28.04
$ 34.96	$ 34.21	$ 34.50	$ 34.50	$ 34.98	$ 34.98	$ 0.15	$ 35.26
$ 31.79	$ 31.04	$ 31.33	$ 31.33	$ 31.81	$ 31.81	$ 0.15	$ 32.09
$ 26.81	$ 26.06	$ 26.35	$ 26.35	$ 26.83	$ 26.83	$ 0.15	$ 27.11
$ 26.98	$ 26.23	$ 26.52	$ 26.52	$ 27.00	$ 27.00	$ 0.15	$ 27.28

$	26.87	$	26.12	$	26.41	$	26.41	$	26.89	$	26.89	$	0.15	$	27.17
$	27.42	$	26.66	$	26.95	$	26.95	$	27.43	$	27.43	$	0.15	$	27.72
$	42.07	$	41.32	$	41.61	$	41.61	$	42.09	$	42.09	$	0.15	$	42.37
$	39.21	$	38.46	$	38.75	$	38.75	$	39.23	$	39.23	$	0.15	$	39.51
$	32.35	$	31.60	$	31.89	$	31.89	$	32.37	$	32.37	$	0.15	$	32.65
$	29.44	$	28.68	$	28.97	$	28.97	$	29.45	$	29.45	$	0.15	$	29.74
$	30.45	$	29.70	$	29.99	$	29.99	$	30.47	$	30.47	$	0.15	$	30.75
$	30.21	$	29.46	$	29.75	$	29.75	$	30.23	$	30.23	$	0.15	$	30.51
$	38.08	$	37.32	$	37.61	$	37.61	$	38.09	$	38.09	$	0.15	$	38.38
$	34.62	$	33.87	$	34.16	$	34.16	$	34.64	$	34.64	$	0.15	$	34.92
$	29.20	$	28.44	$	28.73	$	28.73	$	29.21	$	29.21	$	0.15	$	29.50
$	29.38	$	28.62	$	28.91	$	28.91	$	29.39	$	29.39	$	0.15	$	29.68
$	29.26	$	28.50	$	28.79	$	28.79	$	29.27	$	29.27	$	0.15	$	29.56
$	29.85	$	29.10	$	29.39	$	29.39	$	29.87	$	29.87	$	0.15	$	30.15
$	44.13	$	43.38	$	43.67	$	43.67	$	44.15	$	44.15	$	0.15	$	44.43
$	41.13	$	40.38	$	40.67	$	40.67	$	41.15	$	41.15	$	0.15	$	41.43
$	33.94	$	33.19	$	33.48	$	33.48	$	33.96	$	33.96	$	0.15	$	34.24
$	30.88	$	30.12	$	30.41	$	30.41	$	30.89	$	30.89	$	0.15	$	31.18
$	31.94	$	31.19	$	31.48	$	31.48	$	31.96	$	31.96	$	0.15	$	32.24
$	31.69	$	30.94	$	31.23	$	31.23	$	31.71	$	31.71	$	0.15	$	31.99
$	39.94	$	39.19	$	39.48	$	39.48	$	39.96	$	39.96	$	0.15	$	40.24
$	36.32	$	35.56	$	35.85	$	35.85	$	36.33	$	36.33	$	0.15	$	36.62
$	30.63	$	29.87	$	30.16	$	30.16	$	30.64	$	30.64	$	0.15	$	30.93
$	30.81	$	30.06	$	30.35	$	30.35	$	30.83	$	30.83	$	0.15	$	31.11
$	30.69	$	29.94	$	30.23	$	30.23	$	30.71	$	30.71	$	0.15	$	30.99
$	31.31	$	30.56	$	30.85	$	30.85	$	31.33	$	31.33	$	0.15	$	31.61
$	45.69	$	44.94	$	45.23	$	45.23	$	45.71	$	45.71	$	0.15	$	45.99
$	42.58	$	41.83	$	42.12	$	42.12	$	42.60	$	42.60	$	0.15	$	42.88
$	35.14	$	34.38	$	34.67	$	34.67	$	35.15	$	35.15	$	0.15	$	35.44
$	31.96	$	31.21	$	31.50	$	31.50	$	31.98	$	31.98	$	0.15	$	32.26
$	33.06	$	32.31	$	32.60	$	32.60	$	33.08	$	33.08	$	0.15	$	33.36
$	32.80	$	32.05	$	32.34	$	32.34	$	32.82	$	32.82	$	0.15	$	33.10
$	41.35	$	40.60	$	40.89	$	40.89	$	41.37	$	41.37	$	0.15	$	41.65
$	37.60	$	36.84	$	37.13	$	37.13	$	37.61	$	37.61	$	0.15	$	37.90
$	31.70	$	30.95	$	31.24	$	31.24	$	31.72	$	31.72	$	0.15	$	32.00
$	31.90	$	31.15	$	31.44	$	31.44	$	31.92	$	31.92	$	0.15	$	32.20
$	31.77	$	31.02	$	31.31	$	31.31	$	31.79	$	31.79	$	0.15	$	32.07
$	32.42	$	31.66	$	31.95	$	31.95	$	32.43	$	32.43	$	0.15	$	32.72
$	48.51	$	47.75	$	48.04	$	48.04	$	48.52	$	48.52	$	0.15	$	48.81
$	45.21	$	44.45	$	44.74	$	44.74	$	45.22	$	45.22	$	0.15	$	45.51
$	37.30	$	36.54	$	36.83	$	36.83	$	37.31	$	37.31	$	0.15	$	37.60
$	33.93	$	33.17	$	33.46	$	33.46	$	33.94	$	33.94	$	0.15	$	34.23
$	35.10	$	34.34	$	34.63	$	34.63	$	35.11	$	35.11	$	0.15	$	35.40
$	34.82	$	34.07	$	34.36	$	34.36	$	34.84	$	34.84	$	0.15	$	35.12
$	43.90	$	43.15	$	43.44	$	43.44	$	43.92	$	43.92	$	0.15	$	44.20
$	39.91	$	39.16	$	39.45	$	39.45	$	39.93	$	39.93	$	0.15	$	40.21
$	33.65	$	32.90	$	33.19	$	33.19	$	33.67	$	33.67	$	0.15	$	33.95

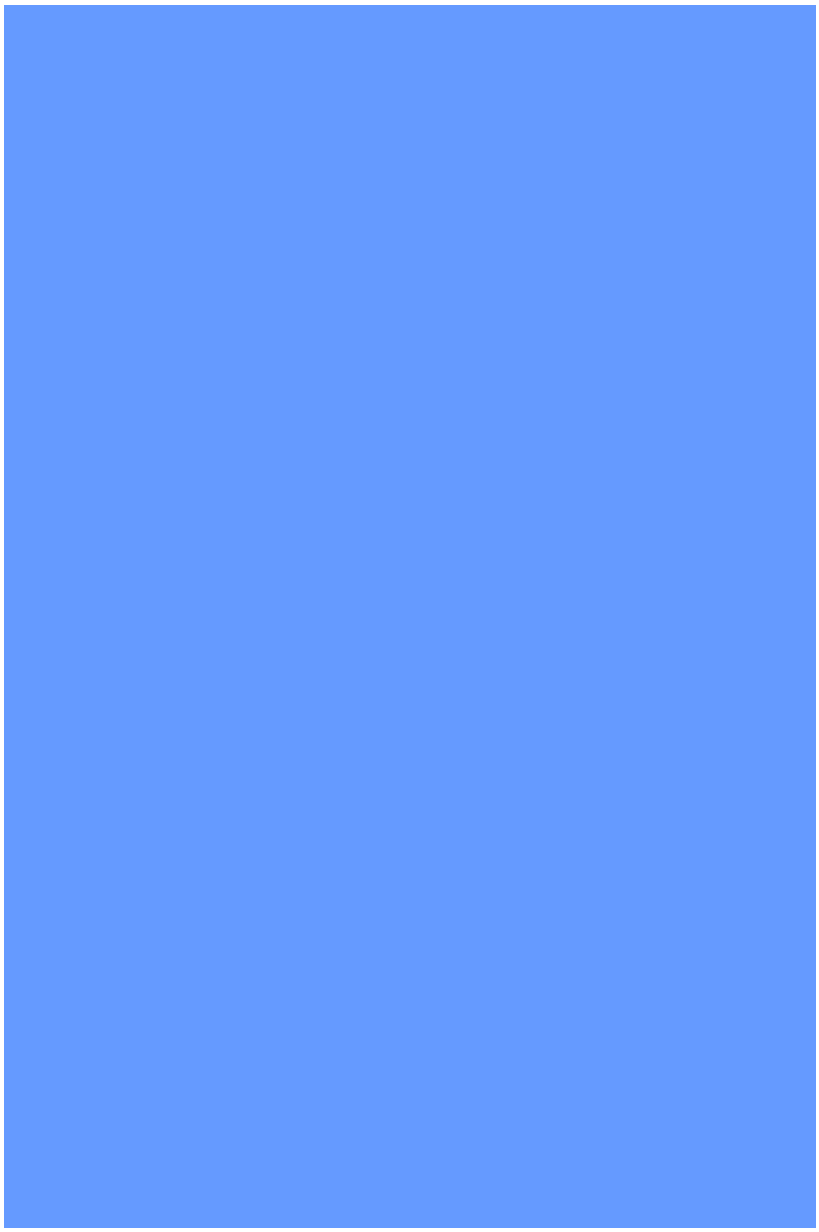
$	33.86	$	33.10	$	33.39	$	33.39	$	33.87	$	33.87	$	0.15	$	34.16
$	33.72	$	32.97	$	33.26	$	33.26	$	33.74	$	33.74	$	0.15	$	34.02
$	34.41	$	33.65	$	33.94	$	33.94	$	34.42	$	34.42	$	0.15	$	34.71
$	50.72	$	49.97	$	50.26	$	50.26	$	50.74	$	50.74	$	0.15	$	51.02
$	47.27	$	46.52	$	46.81	$	46.81	$	47.29	$	47.29	$	0.15	$	47.57
$	39.00	$	38.24	$	38.53	$	38.53	$	39.01	$	39.01	$	0.15	$	39.30
$	35.47	$	34.72	$	35.01	$	35.01	$	35.49	$	35.49	$	0.15	$	35.77
$	36.70	$	35.94	$	36.23	$	36.23	$	36.71	$	36.71	$	0.15	$	37.00
$	36.41	$	35.66	$	35.95	$	35.95	$	36.43	$	36.43	$	0.15	$	36.71
$	45.90	$	45.15	$	45.44	$	45.44	$	45.92	$	45.92	$	0.15	$	46.20
$	41.73	$	40.98	$	41.27	$	41.27	$	41.75	$	41.75	$	0.15	$	42.03
$	35.18	$	34.43	$	34.72	$	34.72	$	35.20	$	35.20	$	0.15	$	35.48
$	35.40	$	34.65	$	34.94	$	34.94	$	35.42	$	35.42	$	0.15	$	35.70
$	35.26	$	34.50	$	34.79	$	34.79	$	35.27	$	35.27	$	0.15	$	35.56
$	35.98	$	35.22	$	35.51	$	35.51	$	35.99	$	35.99	$	0.15	$	36.28
$	53.14	$	52.39	$	52.68	$	52.68	$	53.16	$	53.16	$	0.15	$	53.44
$	49.52	$	48.77	$	49.06	$	49.06	$	49.54	$	49.54	$	0.15	$	49.82
$	40.85	$	40.10	$	40.39	$	40.39	$	40.87	$	40.87	$	0.15	$	41.15
$	37.16	$	36.41	$	36.70	$	36.70	$	37.18	$	37.18	$	0.15	$	37.46
$	38.44	$	37.69	$	37.98	$	37.98	$	38.46	$	38.46	$	0.15	$	38.74
$	38.14	$	37.39	$	37.68	$	37.68	$	38.16	$	38.16	$	0.15	$	38.44
$	48.09	$	47.34	$	47.63	$	47.63	$	48.11	$	48.11	$	0.15	$	48.39
$	43.72	$	42.97	$	43.26	$	43.26	$	43.74	$	43.74	$	0.15	$	44.02
$	36.86	$	36.11	$	36.40	$	36.40	$	36.88	$	36.88	$	0.15	$	37.16
$	37.08	$	36.33	$	36.62	$	36.62	$	37.10	$	37.10	$	0.15	$	37.38
$	36.93	$	36.18	$	36.47	$	36.47	$	36.95	$	36.95	$	0.15	$	37.23
$	37.69	$	36.94	$	37.23	$	37.23	$	37.71	$	37.71	$	0.15	$	37.99
$	54.15	$	53.40	$	53.69	$	53.69	$	54.17	$	54.17	$	0.15	$	54.45
$	50.46	$	49.71	$	50.00	$	50.00	$	50.48	$	50.48	$	0.15	$	50.76
$	41.63	$	40.88	$	41.17	$	41.17	$	41.65	$	41.65	$	0.15	$	41.93
$	37.86	$	37.11	$	37.40	$	37.40	$	37.88	$	37.88	$	0.15	$	38.16
$	39.17	$	38.42	$	38.71	$	38.71	$	39.19	$	39.19	$	0.15	$	39.47
$	38.86	$	38.11	$	38.40	$	38.40	$	38.88	$	38.88	$	0.15	$	39.16
$	49.00	$	48.25	$	48.54	$	48.54	$	49.02	$	49.02	$	0.15	$	49.30
$	44.55	$	43.79	$	44.08	$	44.08	$	44.56	$	44.56	$	0.15	$	44.85
$	37.56	$	36.80	$	37.09	$	37.09	$	37.57	$	37.57	$	0.15	$	37.86
$	37.79	$	37.03	$	37.32	$	37.32	$	37.80	$	37.80	$	0.15	$	38.09
$	37.63	$	36.88	$	37.17	$	37.17	$	37.65	$	37.65	$	0.15	$	37.93
$	38.40	$	37.65	$	37.94	$	37.94	$	38.42	$	38.42	$	0.15	$	38.70
$	54.15	$	53.40	$	53.69	$	53.69	$	54.17	$	54.17	$	0.15	$	54.45
$	50.46	$	49.71	$	50.00	$	50.00	$	50.48	$	50.48	$	0.15	$	50.76
$	41.63	$	40.88	$	41.17	$	41.17	$	41.65	$	41.65	$	0.15	$	41.93
$	37.86	$	37.11	$	37.40	$	37.40	$	37.88	$	37.88	$	0.15	$	38.16
$	39.17	$	38.42	$	38.71	$	38.71	$	39.19	$	39.19	$	0.15	$	39.47
$	38.86	$	38.11	$	38.40	$	38.40	$	38.88	$	38.88	$	0.15	$	39.16
$	49.00	$	48.25	$	48.54	$	48.54	$	49.02	$	49.02	$	0.15	$	49.30
$	44.55	$	43.80	$	44.09	$	44.09	$	44.57	$	44.57	$	0.15	$	44.85

$	37.56	$	36.80	$	37.09	$	37.09	$	37.57	$	37.57	$	0.15	$	37.86
$	37.79	$	37.04	$	37.33	$	37.33	$	37.81	$	37.81	$	0.15	$	38.09
$	37.63	$	36.88	$	37.17	$	37.17	$	37.65	$	37.65	$	0.15	$	37.93
$	38.40	$	37.65	$	37.94	$	37.94	$	38.42	$	38.42	$	0.15	$	38.70
$	54.72	$	53.97	$	54.26	$	54.26	$	54.74	$	54.74	$	0.15	$	55.02
$	50.99	$	50.24	$	50.53	$	50.53	$	51.01	$	51.01	$	0.15	$	51.29
$	42.07	$	41.31	$	41.60	$	41.60	$	42.08	$	42.08	$	0.15	$	42.37
$	38.26	$	37.51	$	37.80	$	37.80	$	38.28	$	38.28	$	0.15	$	38.56
$	39.58	$	38.83	$	39.12	$	39.12	$	39.60	$	39.60	$	0.15	$	39.88
$	39.27	$	38.52	$	38.81	$	38.81	$	39.29	$	39.29	$	0.15	$	39.57
$	49.52	$	48.77	$	49.06	$	49.06	$	49.54	$	49.54	$	0.15	$	49.82
$	45.02	$	44.26	$	44.55	$	44.55	$	45.03	$	45.03	$	0.15	$	45.32
$	37.95	$	37.20	$	37.49	$	37.49	$	37.97	$	37.97	$	0.15	$	38.25
$	38.18	$	37.43	$	37.72	$	37.72	$	38.20	$	38.20	$	0.15	$	38.48
$	38.03	$	37.28	$	37.57	$	37.57	$	38.05	$	38.05	$	0.15	$	38.33
$	38.80	$	38.05	$	38.34	$	38.34	$	38.82	$	38.82	$	0.15	$	39.10
$	55.32	$	54.56	$	54.85	$	54.85	$	55.33	$	55.33	$	0.15	$	55.62
$	51.55	$	50.80	$	51.09	$	51.09	$	51.57	$	51.57	$	0.15	$	51.85
$	42.52	$	41.77	$	42.06	$	42.06	$	42.54	$	42.54	$	0.15	$	42.82
$	38.68	$	37.92	$	38.21	$	38.21	$	38.69	$	38.69	$	0.15	$	38.98
$	40.01	$	39.26	$	39.55	$	39.55	$	40.03	$	40.03	$	0.15	$	40.31
$	39.70	$	38.94	$	39.23	$	39.23	$	39.71	$	39.71	$	0.15	$	40.00
$	50.06	$	49.31	$	49.60	$	49.60	$	50.08	$	50.08	$	0.15	$	50.36
$	45.51	$	44.75	$	45.04	$	45.04	$	45.52	$	45.52	$	0.15	$	45.81
$	38.36	$	37.61	$	37.90	$	37.90	$	38.38	$	38.38	$	0.15	$	38.66
$	38.60	$	37.85	$	38.14	$	38.14	$	38.62	$	38.62	$	0.15	$	38.90
$	38.44	$	37.69	$	37.98	$	37.98	$	38.46	$	38.46	$	0.15	$	38.74
$	39.23	$	38.47	$	38.76	$	38.76	$	39.24	$	39.24	$	0.15	$	39.53
$	56.25	$	55.50	$	55.79	$	55.79	$	56.27	$	56.27	$	0.15	$	56.55
$	52.42	$	51.66	$	51.95	$	51.95	$	52.43	$	52.43	$	0.15	$	52.72
$	43.24	$	42.49	$	42.78	$	42.78	$	43.26	$	43.26	$	0.15	$	43.54
$	39.33	$	38.57	$	38.86	$	38.86	$	39.34	$	39.34	$	0.15	$	39.63
$	40.68	$	39.93	$	40.22	$	40.22	$	40.70	$	40.70	$	0.15	$	40.98
$	40.36	$	39.61	$	39.90	$	39.90	$	40.38	$	40.38	$	0.15	$	40.66
$	50.90	$	50.15	$	50.44	$	50.44	$	50.92	$	50.92	$	0.15	$	51.20
$	46.27	$	45.52	$	45.81	$	45.81	$	46.29	$	46.29	$	0.15	$	46.57
$	39.01	$	38.26	$	38.55	$	38.55	$	39.03	$	39.03	$	0.15	$	39.31
$	39.25	$	38.49	$	38.78	$	38.78	$	39.26	$	39.26	$	0.15	$	39.55
$	39.09	$	38.33	$	38.62	$	38.62	$	39.10	$	39.10	$	0.15	$	39.39
$	39.89	$	39.13	$	39.42	$	39.42	$	39.90	$	39.90	$	0.15	$	40.19
$	57.70	$	56.94	$	57.23	$	57.23	$	57.71	$	57.71	$	0.15	$	58.00
$	53.77	$	53.01	$	53.30	$	53.30	$	53.78	$	53.78	$	0.15	$	54.07
$	44.35	$	43.60	$	43.89	$	43.89	$	44.37	$	44.37	$	0.15	$	44.65
$	40.34	$	39.58	$	39.87	$	39.87	$	40.35	$	40.35	$	0.15	$	40.64
$	41.73	$	40.98	$	41.27	$	41.27	$	41.75	$	41.75	$	0.15	$	42.03
$	41.40	$	40.65	$	40.94	$	40.94	$	41.42	$	41.42	$	0.15	$	41.70
$	52.21	$	51.46	$	51.75	$	51.75	$	52.23	$	52.23	$	0.15	$	52.51

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$	59.31	$	58.55	$	58.84	$	58.84	$	59.32	$	59.32	$	0.15	$	59.61
$	53.91	$	53.15	$	53.44	$	53.44	$	53.92	$	53.92	$	0.15	$	54.21
$	45.44	$	44.68	$	44.97	$	44.97	$	45.45	$	45.45	$	0.15	$	45.74
$	45.72	$	44.96	$	45.25	$	45.25	$	45.73	$	45.73	$	0.15	$	46.02
$	45.53	$	44.78	$	45.07	$	45.07	$	45.55	$	45.55	$	0.15	$	45.83
$	46.46	$	45.71	$	46.00	$	46.00	$	46.48	$	46.48	$	0.15	$	46.76
$	66.07	$	65.32	$	65.61	$	65.61	$	66.09	$	66.09	$	0.15	$	66.37
$	61.56	$	60.81	$	61.10	$	61.10	$	61.58	$	61.58	$	0.15	$	61.86
$	50.77	$	50.02	$	50.31	$	50.31	$	50.79	$	50.79	$	0.15	$	51.07
$	46.18	$	45.42	$	45.71	$	45.71	$	46.19	$	46.19	$	0.15	$	46.48
$	47.77	$	47.02	$	47.31	$	47.31	$	47.79	$	47.79	$	0.15	$	48.07
$	47.40	$	46.64	$	46.93	$	46.93	$	47.41	$	47.41	$	0.15	$	47.70
$	59.78	$	59.03	$	59.32	$	59.32	$	59.80	$	59.80	$	0.15	$	60.08
$	54.34	$	53.59	$	53.88	$	53.88	$	54.36	$	54.36	$	0.15	$	54.64
$	45.80	$	45.05	$	45.34	$	45.34	$	45.82	$	45.82	$	0.15	$	46.10
$	46.08	$	45.33	$	45.62	$	45.62	$	46.10	$	46.10	$	0.15	$	46.38
$	45.90	$	45.14	$	45.43	$	45.43	$	45.91	$	45.91	$	0.15	$	46.20
$	46.83	$	46.08	$	46.37	$	46.37	$	46.85	$	46.85	$	0.15	$	47.13
$	67.76	$	67.01	$	67.30	$	67.30	$	67.78	$	67.78	$	0.15	$	68.06
$	63.14	$	62.39	$	62.68	$	62.68	$	63.16	$	63.16	$	0.15	$	63.44
$	52.08	$	51.32	$	51.61	$	51.61	$	52.09	$	52.09	$	0.15	$	52.38
$	47.36	$	46.61	$	46.90	$	46.90	$	47.38	$	47.38	$	0.15	$	47.66
$	49.00	$	48.24	$	48.53	$	48.53	$	49.01	$	49.01	$	0.15	$	49.30
$	48.61	$	47.86	$	48.15	$	48.15	$	48.63	$	48.63	$	0.15	$	48.91
$	61.32	$	60.56	$	60.85	$	60.85	$	61.33	$	61.33	$	0.15	$	61.62
$	55.73	$	54.98	$	55.27	$	55.27	$	55.75	$	55.75	$	0.15	$	56.03
$	46.98	$	46.22	$	46.51	$	46.51	$	46.99	$	46.99	$	0.15	$	47.28
$	47.26	$	46.51	$	46.80	$	46.80	$	47.28	$	47.28	$	0.15	$	47.56
$	47.07	$	46.32	$	46.61	$	46.61	$	47.09	$	47.09	$	0.15	$	47.37
$	48.03	$	47.28	$	47.57	$	47.57	$	48.05	$	48.05	$	0.15	$	48.33
$	69.55	$	68.80	$	69.09	$	69.09	$	69.57	$	69.57	$	0.15	$	69.85
$	64.81	$	64.06	$	64.35	$	64.35	$	64.83	$	64.83	$	0.15	$	65.11
$	53.45	$	52.70	$	52.99	$	52.99	$	53.47	$	53.47	$	0.15	$	53.75
$	48.61	$	47.86	$	48.15	$	48.15	$	48.63	$	48.63	$	0.15	$	48.91
$	50.29	$	49.54	$	49.83	$	49.83	$	50.31	$	50.31	$	0.15	$	50.59
$	49.89	$	49.14	$	49.43	$	49.43	$	49.91	$	49.91	$	0.15	$	50.19
$	62.94	$	62.18	$	62.47	$	62.47	$	62.95	$	62.95	$	0.15	$	63.24
$	57.20	$	56.45	$	56.74	$	56.74	$	57.22	$	57.22	$	0.15	$	57.50
$	48.21	$	47.46	$	47.75	$	47.75	$	48.23	$	48.23	$	0.15	$	48.51
$	48.51	$	47.76	$	48.05	$	48.05	$	48.53	$	48.53	$	0.15	$	48.81
$	48.31	$	47.56	$	47.85	$	47.85	$	48.33	$	48.33	$	0.15	$	48.61
$	49.30	$	48.55	$	48.84	$	48.84	$	49.32	$	49.32	$	0.15	$	49.60
$	71.14	$	70.38	$	70.67	$	70.67	$	71.15	$	71.15	$	0.15	$	71.44
$	66.29	$	65.53	$	65.82	$	65.82	$	66.30	$	66.30	$	0.15	$	66.59
$	54.66	$	53.91	$	54.20	$	54.20	$	54.68	$	54.68	$	0.15	$	54.96
$	49.71	$	48.96	$	49.25	$	49.25	$	49.73	$	49.73	$	0.15	$	50.01
$	51.43	$	50.68	$	50.97	$	50.97	$	51.45	$	51.45	$	0.15	$	51.73

$	51.03	$	50.27	$	50.56	$	50.56	$	51.04	$	51.04	$	0.15	$	51.33
$	64.37	$	63.61	$	63.90	$	63.90	$	64.38	$	64.38	$	0.15	$	64.67
$	58.50	$	57.75	$	58.04	$	58.04	$	58.52	$	58.52	$	0.15	$	58.80
$	49.31	$	48.56	$	48.85	$	48.85	$	49.33	$	49.33	$	0.15	$	49.61
$	49.61	$	48.86	$	49.15	$	49.15	$	49.63	$	49.63	$	0.15	$	49.91
$	49.41	$	48.66	$	48.95	$	48.95	$	49.43	$	49.43	$	0.15	$	49.71
$	50.42	$	49.67	$	49.96	$	49.96	$	50.44	$	50.44	$	0.15	$	50.72
$	71.74	$	70.99	$	71.28	$	71.28	$	71.76	$	71.76	$	0.15	$	72.04
$	66.85	$	66.09	$	66.38	$	66.38	$	66.86	$	66.86	$	0.15	$	67.15
$	55.13	$	54.37	$	54.66	$	54.66	$	55.14	$	55.14	$	0.15	$	55.43
$	50.13	$	49.38	$	49.67	$	49.67	$	50.15	$	50.15	$	0.15	$	50.43
$	51.86	$	51.11	$	51.40	$	51.40	$	51.88	$	51.88	$	0.15	$	52.16
$	51.46	$	50.70	$	50.99	$	50.99	$	51.47	$	51.47	$	0.15	$	51.76
$	64.91	$	64.16	$	64.45	$	64.45	$	64.93	$	64.93	$	0.15	$	65.21
$	59.00	$	58.25	$	58.54	$	58.54	$	59.02	$	59.02	$	0.15	$	59.30
$	49.72	$	48.97	$	49.26	$	49.26	$	49.74	$	49.74	$	0.15	$	50.02
$	50.03	$	49.28	$	49.57	$	49.57	$	50.05	$	50.05	$	0.15	$	50.33
$	49.83	$	49.07	$	49.36	$	49.36	$	49.84	$	49.84	$	0.15	$	50.13
$	50.85	$	50.09	$	50.38	$	50.38	$	50.86	$	50.86	$	0.15	$	51.15



	off peak
Sep-16	$ 14.11
Oct-16	$ 16.77
Nov-16	$ 16.05
Dec-16	$ 16.85
Jan-17	$ 25.25
Feb-17	$ 22.00
Mar-17	$ 17.90
Apr-17	$ 14.00
May-17	$ 15.95
Jun-17	$ 15.55
Jul-17	$ 17.85
Aug-17	$ 15.55
Sep-17	$ 16.10
Oct-17	$ 17.05
Nov-17	$ 16.30
Dec-17	$ 19.95
Jan-18	$ 26.45
Feb-18	$ 24.10
Mar-18	$ 19.55
Apr-18	$ 18.45
May-18	$ 14.55
Jun-18	$ 15.20
Jul-18	$ 16.85
Aug-18	$ 16.50
Sep-18	$ 14.50
Oct-18	$ 16.10
Nov-18	$ 16.95
Dec-18	$ 17.70
Jan-19	$ 28.93
Feb-19	$ 26.36
Mar-19	$ 21.38
Apr-19	$ 20.18
May-19	$ 15.91
Jun-19	$ 16.62
Jul-19	$ 18.43

EIA Escalation	
2019	9%
2020	9%
2021	5%
2022	4%
2023	6%
2024	5%
2025	5%
2026	2%
2027	0%
2028	1%
2029	1%
2030	2%
2031	3%
2032	5%
2033	3%
2034	3%
2035	2%
2036	1%
2037	3%
2038	3%
2039	2%
2040	1%

Location
SPP North
Aberdeen 1
Aberdeen 2
Beethoven
Big Stone
Coyote
Huron 1
Huron 2
Neal 4
Oak Tree
Titan
Load

Aug-19	$	18.04
Sep-19	$	15.86
Oct-19	$	17.61
Nov-19	$	18.54
Dec-19	$	19.36
Jan-20	$	31.52
Feb-20	$	28.72
Mar-20	$	23.30
Apr-20	$	21.99
May-20	$	17.34
Jun-20	$	18.12
Jul-20	$	20.08
Aug-20	$	19.67
Sep-20	$	17.28
Oct-20	$	19.19
Nov-20	$	20.20
Dec-20	$	21.10
Jan-21	$	33.08
Feb-21	$	30.14
Mar-21	$	24.45
Apr-21	$	23.08
May-21	$	18.20
Jun-21	$	19.01
Jul-21	$	21.08
Aug-21	$	20.64
Sep-21	$	18.14
Oct-21	$	20.14
Nov-21	$	21.20
Dec-21	$	22.14
Jan-22	$	34.26
Feb-22	$	31.21
Mar-22	$	25.32
Apr-22	$	23.90
May-22	$	18.85
Jun-22	$	19.69
Jul-22	$	21.82
Aug-22	$	21.37
Sep-22	$	18.78
Oct-22	$	20.85
Nov-22	$	21.95
Dec-22	$	22.92
Jan-23	$	36.38
Feb-23	$	33.15
Mar-23	$	26.89
Apr-23	$	25.38
May-23	$	20.01
Jun-23	$	20.91

Jul-23	$	23.18
Aug-23	$	22.70
Sep-23	$	19.94
Oct-23	$	22.15
Nov-23	$	23.31
Dec-23	$	24.35
Jan-24	$	38.05
Feb-24	$	34.67
Mar-24	$	28.13
Apr-24	$	26.54
May-24	$	20.93
Jun-24	$	21.87
Jul-24	$	24.24
Aug-24	$	23.74
Sep-24	$	20.86
Oct-24	$	23.16
Nov-24	$	24.39
Dec-24	$	25.47
Jan-25	$	39.88
Feb-25	$	36.34
Mar-25	$	29.48
Apr-25	$	27.82
May-25	$	21.94
Jun-25	$	22.92
Jul-25	$	25.41
Aug-25	$	24.88
Sep-25	$	21.86
Oct-25	$	24.28
Nov-25	$	25.56
Dec-25	$	26.69
Jan-26	$	40.64
Feb-26	$	37.03
Mar-26	$	30.04
Apr-26	$	28.35
May-26	$	22.36
Jun-26	$	23.36
Jul-26	$	25.89
Aug-26	$	25.35
Sep-26	$	22.28
Oct-26	$	24.74
Nov-26	$	26.04
Dec-26	$	27.20
Jan-27	$	40.64
Feb-27	$	37.03
Mar-27	$	30.04
Apr-27	$	28.35
May-27	$	22.36

Jun-27	$	23.36
Jul-27	$	25.89
Aug-27	$	25.35
Sep-27	$	22.28
Oct-27	$	24.74
Nov-27	$	26.05
Dec-27	$	27.20
Jan-28	$	41.07
Feb-28	$	37.42
Mar-28	$	30.36
Apr-28	$	28.65
May-28	$	22.59
Jun-28	$	23.60
Jul-28	$	26.16
Aug-28	$	25.62
Sep-28	$	22.52
Oct-28	$	25.00
Nov-28	$	26.32
Dec-28	$	27.48
Jan-29	$	41.52
Feb-29	$	37.83
Mar-29	$	30.69
Apr-29	$	28.96
May-29	$	22.84
Jun-29	$	23.86
Jul-29	$	26.45
Aug-29	$	25.90
Sep-29	$	22.76
Oct-29	$	25.27
Nov-29	$	26.61
Dec-29	$	27.79
Jan-30	$	42.22
Feb-30	$	38.47
Mar-30	$	31.21
Apr-30	$	29.45
May-30	$	23.23
Jun-30	$	24.27
Jul-30	$	26.90
Aug-30	$	26.34
Sep-30	$	23.15
Oct-30	$	25.70
Nov-30	$	27.06
Dec-30	$	28.26
Jan-31	$	43.32
Feb-31	$	39.47
Mar-31	$	32.02
Apr-31	$	30.22

May-31	$	23.83
Jun-31	$	24.89
Jul-31	$	27.59
Aug-31	$	27.02
Sep-31	$	23.75
Oct-31	$	26.37
Nov-31	$	27.76
Dec-31	$	28.99
Jan-32	$	45.27
Feb-32	$	41.25
Mar-32	$	33.46
Apr-32	$	31.58
May-32	$	24.90
Jun-32	$	26.02
Jul-32	$	28.84
Aug-32	$	28.24
Sep-32	$	24.82
Oct-32	$	27.56
Nov-32	$	29.01
Dec-32	$	30.30
Jan-33	$	46.71
Feb-33	$	42.56
Mar-33	$	34.53
Apr-33	$	32.59
May-33	$	25.70
Jun-33	$	26.85
Jul-33	$	29.76
Aug-33	$	29.14
Sep-33	$	25.61
Oct-33	$	28.43
Nov-33	$	29.94
Dec-33	$	31.26
Jan-34	$	48.17
Feb-34	$	43.89
Mar-34	$	35.61
Apr-34	$	33.60
May-34	$	26.50
Jun-34	$	27.68
Jul-34	$	30.69
Aug-34	$	30.05
Sep-34	$	26.41
Oct-34	$	29.32
Nov-34	$	30.87
Dec-34	$	32.24
Jan-35	$	49.24
Feb-35	$	44.86
Mar-35	$	36.39

Apr-35	$	34.35
May-35	$	27.09
Jun-35	$	28.30
Jul-35	$	31.37
Aug-35	$	30.72
Sep-35	$	26.99
Oct-35	$	29.97
Nov-35	$	31.55
Dec-35	$	32.95
Jan-36	$	49.64
Feb-36	$	45.23
Mar-36	$	36.69
Apr-36	$	34.62
May-36	$	27.30
Jun-36	$	28.52
Jul-36	$	31.62
Aug-36	$	30.96
Sep-36	$	27.21
Oct-36	$	30.21
Nov-36	$	31.81
Dec-36	$	33.22
Jan-37	$	50.92
Feb-37	$	46.39
Mar-37	$	37.63
Apr-37	$	35.52
May-37	$	28.01
Jun-37	$	29.26
Jul-37	$	32.44
Aug-37	$	31.76
Sep-37	$	27.91
Oct-37	$	30.99
Nov-37	$	32.63
Dec-37	$	34.07
01/01/2038	$	52.27
02/01/2038	$	47.62
03/01/2038	$	38.63
04/01/2038	$	36.46
05/01/2038	$	28.75
06/01/2038	$	30.04
07/01/2038	$	33.30
08/01/2038	$	32.60
09/01/2038	$	28.65
10/01/2038	$	31.81
11/01/2038	$	33.49
12/01/2038	$	34.98
01/01/2039	$	53.46
02/01/2039	$	48.71

03/01/2039	$	39.51
04/01/2039	$	37.29
05/01/2039	$	29.41
06/01/2039	$	30.72
07/01/2039	$	34.06
08/01/2039	$	33.35
09/01/2039	$	29.31
10/01/2039	$	32.54
11/01/2039	$	34.26
12/01/2039	$	35.77
01/01/2040	$	53.91
02/01/2040	$	49.12
03/01/2040	$	39.85
04/01/2040	$	37.61
05/01/2040	$	29.66
06/01/2040	$	30.98
07/01/2040	$	34.35
08/01/2040	$	33.63
09/01/2040	$	29.56
10/01/2040	$	32.82
11/01/2040	$	34.55
12/01/2040	$	36.08

~~DA Basis~~ vs. North Hub 10-5-Hub
$ 0.32
$ 0.32
$ 0.19
$ 0.29
$ (0.46)
$ (0.17)
$ (0.17)
$ 0.31
$ 0.31
$ (0.17)
$ 0.27

STARTDATE	ENDDATE	SPP off pk	Aberdeen 1	Aberdeen 2
1/1/2017 12:00:00 AM	2/1/2017 12:00:00 AM	$ 25.25	$ 25.58	$ 25.58
2/1/2017 12:00:00 AM	3/1/2017 12:00:00 AM	$ 22.00	$ 22.33	$ 22.33
3/1/2017 12:00:00 AM	4/1/2017 12:00:00 AM	$ 17.90	$ 18.23	$ 18.23
4/1/2017 12:00:00 AM	5/1/2017 12:00:00 AM	$ 14.00	$ 14.33	$ 14.33
5/1/2017 12:00:00 AM	6/1/2017 12:00:00 AM	$ 15.95	$ 16.28	$ 16.28
6/1/2017 12:00:00 AM	7/1/2017 12:00:00 AM	$ 15.55	$ 15.88	$ 15.88
7/1/2017 12:00:00 AM	8/1/2017 12:00:00 AM	$ 17.85	$ 18.18	$ 18.18
8/1/2017 12:00:00 AM	9/1/2017 12:00:00 AM	$ 15.55	$ 15.88	$ 15.88
9/1/2017 12:00:00 AM	10/1/2017 12:00:00 AM	$ 16.10	$ 16.43	$ 16.43
10/1/2017 12:00:00 AM	11/1/2017 12:00:00 AM	$ 17.05	$ 17.38	$ 17.38
11/1/2017 12:00:00 AM	12/1/2017 12:00:00 AM	$ 16.30	$ 16.63	$ 16.63
12/1/2017 12:00:00 AM	1/1/2018 12:00:00 AM	$ 19.95	$ 20.28	$ 20.28
1/1/2018 12:00:00 AM	2/1/2018 12:00:00 AM	$ 26.45	$ 26.78	$ 26.78
2/1/2018 12:00:00 AM	3/1/2018 12:00:00 AM	$ 24.10	$ 24.43	$ 24.43
3/1/2018 12:00:00 AM	4/1/2018 12:00:00 AM	$ 19.55	$ 19.88	$ 19.88
4/1/2018 12:00:00 AM	5/1/2018 12:00:00 AM	$ 18.45	$ 18.78	$ 18.78
5/1/2018 12:00:00 AM	6/1/2018 12:00:00 AM	$ 14.55	$ 14.88	$ 14.88
6/1/2018 12:00:00 AM	7/1/2018 12:00:00 AM	$ 15.20	$ 15.53	$ 15.53
7/1/2018 12:00:00 AM	8/1/2018 12:00:00 AM	$ 16.85	$ 17.18	$ 17.18
8/1/2018 12:00:00 AM	9/1/2018 12:00:00 AM	$ 16.50	$ 16.83	$ 16.83
9/1/2018 12:00:00 AM	10/1/2018 12:00:00 AM	$ 14.50	$ 14.83	$ 14.83
10/1/2018 12:00:00 AM	11/1/2018 12:00:00 AM	$ 16.10	$ 16.43	$ 16.43
11/1/2018 12:00:00 AM	12/1/2018 12:00:00 AM	$ 16.95	$ 17.28	$ 17.28
12/1/2018 12:00:00 AM	1/1/2019 12:00:00 AM	$ 17.70	$ 18.03	$ 18.03
1/1/2019 12:00:00 AM	2/1/2019 12:00:00 AM	$ 28.93	$ 29.25	$ 29.25
2/1/2019 12:00:00 AM	3/1/2019 12:00:00 AM	$ 26.36	$ 26.68	$ 26.68
3/1/2019 12:00:00 AM	4/1/2019 12:00:00 AM	$ 21.38	$ 21.70	$ 21.70
4/1/2019 12:00:00 AM	5/1/2019 12:00:00 AM	$ 20.18	$ 20.50	$ 20.50
5/1/2019 12:00:00 AM	6/1/2019 12:00:00 AM	$ 15.91	$ 16.24	$ 16.24
6/1/2019 12:00:00 AM	7/1/2019 12:00:00 AM	$ 16.62	$ 16.95	$ 16.95
7/1/2019 12:00:00 AM	8/1/2019 12:00:00 AM	$ 18.43	$ 18.75	$ 18.75
8/1/2019 12:00:00 AM	9/1/2019 12:00:00 AM	$ 18.04	$ 18.37	$ 18.37
9/1/2019 12:00:00 AM	10/1/2019 12:00:00 AM	$ 15.86	$ 16.18	$ 16.18
10/1/2019 12:00:00 AM	11/1/2019 12:00:00 AM	$ 17.61	$ 17.93	$ 17.93

11/1/2019 12:00:00 AM	12/1/2019 12:00:00 AM	$ 18.54	$ 18.86	$ 18.86
12/1/2019 12:00:00 AM	1/1/2020 12:00:00 AM	$ 19.36	$ 19.68	$ 19.68
1/1/2020 12:00:00 AM	2/1/2020 12:00:00 AM	$ 31.52	$ 31.85	$ 31.85
2/1/2020 12:00:00 AM	3/1/2020 12:00:00 AM	$ 28.72	$ 29.05	$ 29.05
3/1/2020 12:00:00 AM	4/1/2020 12:00:00 AM	$ 23.30	$ 23.63	$ 23.63
4/1/2020 12:00:00 AM	5/1/2020 12:00:00 AM	$ 21.99	$ 22.31	$ 22.31
5/1/2020 12:00:00 AM	6/1/2020 12:00:00 AM	$ 17.34	$ 17.67	$ 17.67
6/1/2020 12:00:00 AM	7/1/2020 12:00:00 AM	$ 18.12	$ 18.44	$ 18.44
7/1/2020 12:00:00 AM	8/1/2020 12:00:00 AM	$ 20.08	$ 20.41	$ 20.41
8/1/2020 12:00:00 AM	9/1/2020 12:00:00 AM	$ 19.67	$ 19.99	$ 19.99
9/1/2020 12:00:00 AM	10/1/2020 12:00:00 AM	$ 17.28	$ 17.61	$ 17.61
10/1/2020 12:00:00 AM	11/1/2020 12:00:00 AM	$ 19.19	$ 19.51	$ 19.51
11/1/2020 12:00:00 AM	12/1/2020 12:00:00 AM	$ 20.20	$ 20.53	$ 20.53
12/1/2020 12:00:00 AM	1/1/2021 12:00:00 AM	$ 21.10	$ 21.42	$ 21.42
1/1/2021 12:00:00 AM	2/1/2021 12:00:00 AM	$ 33.08	$ 33.41	$ 33.41
2/1/2021 12:00:00 AM	3/1/2021 12:00:00 AM	$ 30.14	$ 30.47	$ 30.47
3/1/2021 12:00:00 AM	4/1/2021 12:00:00 AM	$ 24.45	$ 24.78	$ 24.78
4/1/2021 12:00:00 AM	5/1/2021 12:00:00 AM	$ 23.08	$ 23.40	$ 23.40
5/1/2021 12:00:00 AM	6/1/2021 12:00:00 AM	$ 18.20	$ 18.52	$ 18.52
6/1/2021 12:00:00 AM	7/1/2021 12:00:00 AM	$ 19.01	$ 19.34	$ 19.34
7/1/2021 12:00:00 AM	8/1/2021 12:00:00 AM	$ 21.08	$ 21.40	$ 21.40
8/1/2021 12:00:00 AM	9/1/2021 12:00:00 AM	$ 20.64	$ 20.96	$ 20.96
9/1/2021 12:00:00 AM	10/1/2021 12:00:00 AM	$ 18.14	$ 18.46	$ 18.46
10/1/2021 12:00:00 AM	11/1/2021 12:00:00 AM	$ 20.14	$ 20.46	$ 20.46
11/1/2021 12:00:00 AM	12/1/2021 12:00:00 AM	$ 21.20	$ 21.53	$ 21.53
12/1/2021 12:00:00 AM	1/1/2022 12:00:00 AM	$ 22.14	$ 22.46	$ 22.46
1/1/2022 12:00:00 AM	2/1/2022 12:00:00 AM	$ 34.26	$ 34.58	$ 34.58
2/1/2022 12:00:00 AM	3/1/2022 12:00:00 AM	$ 31.21	$ 31.54	$ 31.54
3/1/2022 12:00:00 AM	4/1/2022 12:00:00 AM	$ 25.32	$ 25.65	$ 25.65
4/1/2022 12:00:00 AM	5/1/2022 12:00:00 AM	$ 23.90	$ 24.22	$ 24.22
5/1/2022 12:00:00 AM	6/1/2022 12:00:00 AM	$ 18.85	$ 19.17	$ 19.17
6/1/2022 12:00:00 AM	7/1/2022 12:00:00 AM	$ 19.69	$ 20.01	$ 20.01
7/1/2022 12:00:00 AM	8/1/2022 12:00:00 AM	$ 21.82	$ 22.15	$ 22.15
8/1/2022 12:00:00 AM	9/1/2022 12:00:00 AM	$ 21.37	$ 21.70	$ 21.70
9/1/2022 12:00:00 AM	10/1/2022 12:00:00 AM	$ 18.78	$ 19.11	$ 19.11
10/1/2022 12:00:00 AM	11/1/2022 12:00:00 AM	$ 20.85	$ 21.18	$ 21.18
11/1/2022 12:00:00 AM	12/1/2022 12:00:00 AM	$ 21.95	$ 22.28	$ 22.28
12/1/2022 12:00:00 AM	1/1/2023 12:00:00 AM	$ 22.92	$ 23.25	$ 23.25
1/1/2023 12:00:00 AM	2/1/2023 12:00:00 AM	$ 36.38	$ 36.71	$ 36.71
2/1/2023 12:00:00 AM	3/1/2023 12:00:00 AM	$ 33.15	$ 33.47	$ 33.47
3/1/2023 12:00:00 AM	4/1/2023 12:00:00 AM	$ 26.89	$ 27.22	$ 27.22
4/1/2023 12:00:00 AM	5/1/2023 12:00:00 AM	$ 25.38	$ 25.70	$ 25.70
5/1/2023 12:00:00 AM	6/1/2023 12:00:00 AM	$ 20.01	$ 20.34	$ 20.34
6/1/2023 12:00:00 AM	7/1/2023 12:00:00 AM	$ 20.91	$ 21.23	$ 21.23
7/1/2023 12:00:00 AM	8/1/2023 12:00:00 AM	$ 23.18	$ 23.50	$ 23.50
8/1/2023 12:00:00 AM	9/1/2023 12:00:00 AM	$ 22.70	$ 23.02	$ 23.02
9/1/2023 12:00:00 AM	10/1/2023 12:00:00 AM	$ 19.94	$ 20.27	$ 20.27

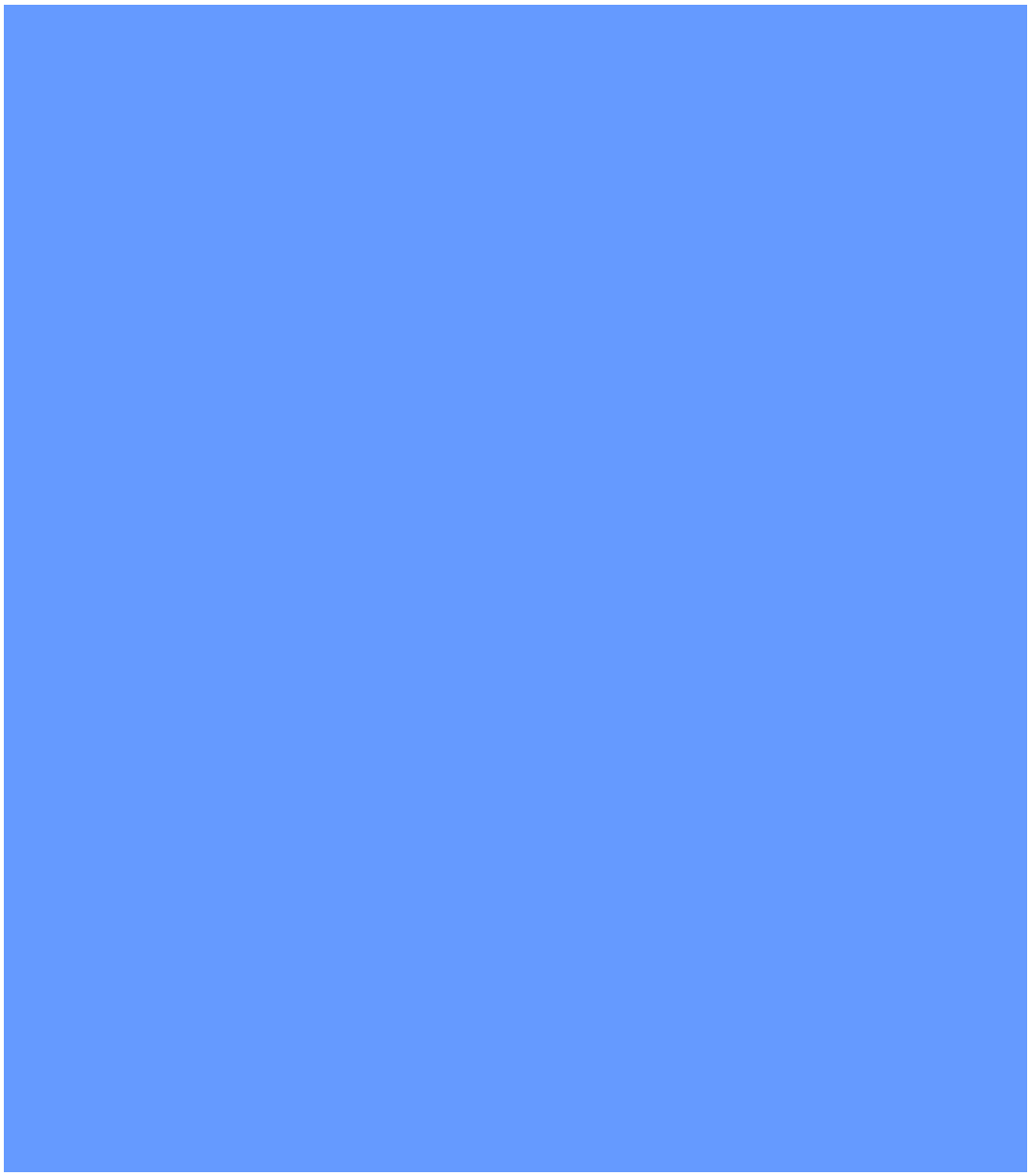
10/1/2023 12:00:00 AM	11/1/2023 12:00:00 AM	$ 22.15	$ 22.47	$ 22.47
11/1/2023 12:00:00 AM	12/1/2023 12:00:00 AM	$ 23.31	$ 23.64	$ 23.64
12/1/2023 12:00:00 AM	1/1/2024 12:00:00 AM	$ 24.35	$ 24.67	$ 24.67
1/1/2024 12:00:00 AM	2/1/2024 12:00:00 AM	$ 38.05	$ 38.38	$ 38.38
2/1/2024 12:00:00 AM	3/1/2024 12:00:00 AM	$ 34.67	$ 35.00	$ 35.00
3/1/2024 12:00:00 AM	4/1/2024 12:00:00 AM	$ 28.13	$ 28.45	$ 28.45
4/1/2024 12:00:00 AM	5/1/2024 12:00:00 AM	$ 26.54	$ 26.87	$ 26.87
5/1/2024 12:00:00 AM	6/1/2024 12:00:00 AM	$ 20.93	$ 21.26	$ 21.26
6/1/2024 12:00:00 AM	7/1/2024 12:00:00 AM	$ 21.87	$ 22.19	$ 22.19
7/1/2024 12:00:00 AM	8/1/2024 12:00:00 AM	$ 24.24	$ 24.57	$ 24.57
8/1/2024 12:00:00 AM	9/1/2024 12:00:00 AM	$ 23.74	$ 24.06	$ 24.06
9/1/2024 12:00:00 AM	10/1/2024 12:00:00 AM	$ 20.86	$ 21.19	$ 21.19
10/1/2024 12:00:00 AM	11/1/2024 12:00:00 AM	$ 23.16	$ 23.49	$ 23.49
11/1/2024 12:00:00 AM	12/1/2024 12:00:00 AM	$ 24.39	$ 24.71	$ 24.71
12/1/2024 12:00:00 AM	1/1/2025 12:00:00 AM	$ 25.47	$ 25.79	$ 25.79
1/1/2025 12:00:00 AM	2/1/2025 12:00:00 AM	$ 39.88	$ 40.21	$ 40.21
2/1/2025 12:00:00 AM	3/1/2025 12:00:00 AM	$ 36.34	$ 36.66	$ 36.66
3/1/2025 12:00:00 AM	4/1/2025 12:00:00 AM	$ 29.48	$ 29.80	$ 29.80
4/1/2025 12:00:00 AM	5/1/2025 12:00:00 AM	$ 27.82	$ 28.14	$ 28.14
5/1/2025 12:00:00 AM	6/1/2025 12:00:00 AM	$ 21.94	$ 22.26	$ 22.26
6/1/2025 12:00:00 AM	7/1/2025 12:00:00 AM	$ 22.92	$ 23.24	$ 23.24
7/1/2025 12:00:00 AM	8/1/2025 12:00:00 AM	$ 25.41	$ 25.73	$ 25.73
8/1/2025 12:00:00 AM	9/1/2025 12:00:00 AM	$ 24.88	$ 25.20	$ 25.20
9/1/2025 12:00:00 AM	10/1/2025 12:00:00 AM	$ 21.86	$ 22.19	$ 22.19
10/1/2025 12:00:00 AM	11/1/2025 12:00:00 AM	$ 24.28	$ 24.60	$ 24.60
11/1/2025 12:00:00 AM	12/1/2025 12:00:00 AM	$ 25.56	$ 25.88	$ 25.88
12/1/2025 12:00:00 AM	1/1/2026 12:00:00 AM	$ 26.69	$ 27.01	$ 27.01
1/1/2026 12:00:00 AM	2/1/2026 12:00:00 AM	$ 40.64	$ 40.97	$ 40.97
2/1/2026 12:00:00 AM	3/1/2026 12:00:00 AM	$ 37.03	$ 37.36	$ 37.36
3/1/2026 12:00:00 AM	4/1/2026 12:00:00 AM	$ 30.04	$ 30.36	$ 30.36
4/1/2026 12:00:00 AM	5/1/2026 12:00:00 AM	$ 28.35	$ 28.67	$ 28.67
5/1/2026 12:00:00 AM	6/1/2026 12:00:00 AM	$ 22.36	$ 22.68	$ 22.68
6/1/2026 12:00:00 AM	7/1/2026 12:00:00 AM	$ 23.36	$ 23.68	$ 23.68
7/1/2026 12:00:00 AM	8/1/2026 12:00:00 AM	$ 25.89	$ 26.22	$ 26.22
8/1/2026 12:00:00 AM	9/1/2026 12:00:00 AM	$ 25.35	$ 25.68	$ 25.68
9/1/2026 12:00:00 AM	10/1/2026 12:00:00 AM	$ 22.28	$ 22.60	$ 22.60
10/1/2026 12:00:00 AM	11/1/2026 12:00:00 AM	$ 24.74	$ 25.06	$ 25.06
11/1/2026 12:00:00 AM	12/1/2026 12:00:00 AM	$ 26.04	$ 26.37	$ 26.37
12/1/2026 12:00:00 AM	1/1/2027 12:00:00 AM	$ 27.20	$ 27.52	$ 27.52
1/1/2027 12:00:00 AM	2/1/2027 12:00:00 AM	$ 40.64	$ 40.97	$ 40.97
2/1/2027 12:00:00 AM	3/1/2027 12:00:00 AM	$ 37.03	$ 37.36	$ 37.36
3/1/2027 12:00:00 AM	4/1/2027 12:00:00 AM	$ 30.04	$ 30.37	$ 30.37
4/1/2027 12:00:00 AM	5/1/2027 12:00:00 AM	$ 28.35	$ 28.68	$ 28.68
5/1/2027 12:00:00 AM	6/1/2027 12:00:00 AM	$ 22.36	$ 22.68	$ 22.68
6/1/2027 12:00:00 AM	7/1/2027 12:00:00 AM	$ 23.36	$ 23.68	$ 23.68
7/1/2027 12:00:00 AM	8/1/2027 12:00:00 AM	$ 25.89	$ 26.22	$ 26.22
8/1/2027 12:00:00 AM	9/1/2027 12:00:00 AM	$ 25.35	$ 25.68	$ 25.68

9/1/2027 12:00:00 AM	10/1/2027 12:00:00 AM	$ 22.28	$ 22.61	$ 22.61
10/1/2027 12:00:00 AM	11/1/2027 12:00:00 AM	$ 24.74	$ 25.06	$ 25.06
11/1/2027 12:00:00 AM	12/1/2027 12:00:00 AM	$ 26.05	$ 26.37	$ 26.37
12/1/2027 12:00:00 AM	1/1/2028 12:00:00 AM	$ 27.20	$ 27.52	$ 27.52
1/1/2028 12:00:00 AM	2/1/2028 12:00:00 AM	$ 41.07	$ 41.40	$ 41.40
2/1/2028 12:00:00 AM	3/1/2028 12:00:00 AM	$ 37.42	$ 37.75	$ 37.75
3/1/2028 12:00:00 AM	4/1/2028 12:00:00 AM	$ 30.36	$ 30.68	$ 30.68
4/1/2028 12:00:00 AM	5/1/2028 12:00:00 AM	$ 28.65	$ 28.97	$ 28.97
5/1/2028 12:00:00 AM	6/1/2028 12:00:00 AM	$ 22.59	$ 22.92	$ 22.92
6/1/2028 12:00:00 AM	7/1/2028 12:00:00 AM	$ 23.60	$ 23.93	$ 23.93
7/1/2028 12:00:00 AM	8/1/2028 12:00:00 AM	$ 26.16	$ 26.49	$ 26.49
8/1/2028 12:00:00 AM	9/1/2028 12:00:00 AM	$ 25.62	$ 25.95	$ 25.95
9/1/2028 12:00:00 AM	10/1/2028 12:00:00 AM	$ 22.52	$ 22.84	$ 22.84
10/1/2028 12:00:00 AM	11/1/2028 12:00:00 AM	$ 25.00	$ 25.33	$ 25.33
11/1/2028 12:00:00 AM	12/1/2028 12:00:00 AM	$ 26.32	$ 26.65	$ 26.65
12/1/2028 12:00:00 AM	1/1/2029 12:00:00 AM	$ 27.48	$ 27.81	$ 27.81
1/1/2029 12:00:00 AM	2/1/2029 12:00:00 AM	$ 41.52	$ 41.85	$ 41.85
2/1/2029 12:00:00 AM	3/1/2029 12:00:00 AM	$ 37.83	$ 38.16	$ 38.16
3/1/2029 12:00:00 AM	4/1/2029 12:00:00 AM	$ 30.69	$ 31.01	$ 31.01
4/1/2029 12:00:00 AM	5/1/2029 12:00:00 AM	$ 28.96	$ 29.29	$ 29.29
5/1/2029 12:00:00 AM	6/1/2029 12:00:00 AM	$ 22.84	$ 23.17	$ 23.17
6/1/2029 12:00:00 AM	7/1/2029 12:00:00 AM	$ 23.86	$ 24.19	$ 24.19
7/1/2029 12:00:00 AM	8/1/2029 12:00:00 AM	$ 26.45	$ 26.78	$ 26.78
8/1/2029 12:00:00 AM	9/1/2029 12:00:00 AM	$ 25.90	$ 26.23	$ 26.23
9/1/2029 12:00:00 AM	10/1/2029 12:00:00 AM	$ 22.76	$ 23.09	$ 23.09
10/1/2029 12:00:00 AM	11/1/2029 12:00:00 AM	$ 25.27	$ 25.60	$ 25.60
11/1/2029 12:00:00 AM	12/1/2029 12:00:00 AM	$ 26.61	$ 26.93	$ 26.93
12/1/2029 12:00:00 AM	1/1/2030 12:00:00 AM	$ 27.79	$ 28.11	$ 28.11
1/1/2030 12:00:00 AM	2/1/2030 12:00:00 AM	$ 42.22	$ 42.55	$ 42.55
2/1/2030 12:00:00 AM	3/1/2030 12:00:00 AM	$ 38.47	$ 38.80	$ 38.80
3/1/2030 12:00:00 AM	4/1/2030 12:00:00 AM	$ 31.21	$ 31.53	$ 31.53
4/1/2030 12:00:00 AM	5/1/2030 12:00:00 AM	$ 29.45	$ 29.78	$ 29.78
5/1/2030 12:00:00 AM	6/1/2030 12:00:00 AM	$ 23.23	$ 23.55	$ 23.55
6/1/2030 12:00:00 AM	7/1/2030 12:00:00 AM	$ 24.27	$ 24.59	$ 24.59
7/1/2030 12:00:00 AM	8/1/2030 12:00:00 AM	$ 26.90	$ 27.22	$ 27.22
8/1/2030 12:00:00 AM	9/1/2030 12:00:00 AM	$ 26.34	$ 26.67	$ 26.67
9/1/2030 12:00:00 AM	10/1/2030 12:00:00 AM	$ 23.15	$ 23.47	$ 23.47
10/1/2030 12:00:00 AM	11/1/2030 12:00:00 AM	$ 25.70	$ 26.03	$ 26.03
11/1/2030 12:00:00 AM	12/1/2030 12:00:00 AM	$ 27.06	$ 27.38	$ 27.38
12/1/2030 12:00:00 AM	1/1/2031 12:00:00 AM	$ 28.26	$ 28.58	$ 28.58
1/1/2031 12:00:00 AM	2/1/2031 12:00:00 AM	$ 43.32	$ 43.64	$ 43.64
2/1/2031 12:00:00 AM	3/1/2031 12:00:00 AM	$ 39.47	$ 39.79	$ 39.79
3/1/2031 12:00:00 AM	4/1/2031 12:00:00 AM	$ 32.02	$ 32.34	$ 32.34
4/1/2031 12:00:00 AM	5/1/2031 12:00:00 AM	$ 30.22	$ 30.54	$ 30.54
5/1/2031 12:00:00 AM	6/1/2031 12:00:00 AM	$ 23.83	$ 24.15	$ 24.15
6/1/2031 12:00:00 AM	7/1/2031 12:00:00 AM	$ 24.89	$ 25.22	$ 25.22
7/1/2031 12:00:00 AM	8/1/2031 12:00:00 AM	$ 27.59	$ 27.92	$ 27.92

8/1/2031 12:00:00 AM	9/1/2031 12:00:00 AM	$ 27.02	$ 27.35	$ 27.35
9/1/2031 12:00:00 AM	10/1/2031 12:00:00 AM	$ 23.75	$ 24.07	$ 24.07
10/1/2031 12:00:00 AM	11/1/2031 12:00:00 AM	$ 26.37	$ 26.69	$ 26.69
11/1/2031 12:00:00 AM	12/1/2031 12:00:00 AM	$ 27.76	$ 28.08	$ 28.08
12/1/2031 12:00:00 AM	1/1/2032 12:00:00 AM	$ 28.99	$ 29.31	$ 29.31
1/1/2032 12:00:00 AM	2/1/2032 12:00:00 AM	$ 45.27	$ 45.60	$ 45.60
2/1/2032 12:00:00 AM	3/1/2032 12:00:00 AM	$ 41.25	$ 41.58	$ 41.58
3/1/2032 12:00:00 AM	4/1/2032 12:00:00 AM	$ 33.46	$ 33.79	$ 33.79
4/1/2032 12:00:00 AM	5/1/2032 12:00:00 AM	$ 31.58	$ 31.91	$ 31.91
5/1/2032 12:00:00 AM	6/1/2032 12:00:00 AM	$ 24.90	$ 25.23	$ 25.23
6/1/2032 12:00:00 AM	7/1/2032 12:00:00 AM	$ 26.02	$ 26.34	$ 26.34
7/1/2032 12:00:00 AM	8/1/2032 12:00:00 AM	$ 28.84	$ 29.17	$ 29.17
8/1/2032 12:00:00 AM	9/1/2032 12:00:00 AM	$ 28.24	$ 28.57	$ 28.57
9/1/2032 12:00:00 AM	10/1/2032 12:00:00 AM	$ 24.82	$ 25.14	$ 25.14
10/1/2032 12:00:00 AM	11/1/2032 12:00:00 AM	$ 27.56	$ 27.88	$ 27.88
11/1/2032 12:00:00 AM	12/1/2032 12:00:00 AM	$ 29.01	$ 29.34	$ 29.34
12/1/2032 12:00:00 AM	1/1/2033 12:00:00 AM	$ 30.30	$ 30.62	$ 30.62
1/1/2033 12:00:00 AM	2/1/2033 12:00:00 AM	$ 46.71	$ 47.04	$ 47.04
2/1/2033 12:00:00 AM	3/1/2033 12:00:00 AM	$ 42.56	$ 42.89	$ 42.89
3/1/2033 12:00:00 AM	4/1/2033 12:00:00 AM	$ 34.53	$ 34.85	$ 34.85
4/1/2033 12:00:00 AM	5/1/2033 12:00:00 AM	$ 32.59	$ 32.91	$ 32.91
5/1/2033 12:00:00 AM	6/1/2033 12:00:00 AM	$ 25.70	$ 26.02	$ 26.02
6/1/2033 12:00:00 AM	7/1/2033 12:00:00 AM	$ 26.85	$ 27.17	$ 27.17
7/1/2033 12:00:00 AM	8/1/2033 12:00:00 AM	$ 29.76	$ 30.08	$ 30.08
8/1/2033 12:00:00 AM	9/1/2033 12:00:00 AM	$ 29.14	$ 29.47	$ 29.47
9/1/2033 12:00:00 AM	10/1/2033 12:00:00 AM	$ 25.61	$ 25.93	$ 25.93
10/1/2033 12:00:00 AM	11/1/2033 12:00:00 AM	$ 28.43	$ 28.76	$ 28.76
11/1/2033 12:00:00 AM	12/1/2033 12:00:00 AM	$ 29.94	$ 30.26	$ 30.26
12/1/2033 12:00:00 AM	1/1/2034 12:00:00 AM	$ 31.26	$ 31.59	$ 31.59
1/1/2034 12:00:00 AM	2/1/2034 12:00:00 AM	$ 48.17	$ 48.50	$ 48.50
2/1/2034 12:00:00 AM	3/1/2034 12:00:00 AM	$ 43.89	$ 44.22	$ 44.22
3/1/2034 12:00:00 AM	4/1/2034 12:00:00 AM	$ 35.61	$ 35.93	$ 35.93
4/1/2034 12:00:00 AM	5/1/2034 12:00:00 AM	$ 33.60	$ 33.93	$ 33.93
5/1/2034 12:00:00 AM	6/1/2034 12:00:00 AM	$ 26.50	$ 26.83	$ 26.83
6/1/2034 12:00:00 AM	7/1/2034 12:00:00 AM	$ 27.68	$ 28.01	$ 28.01
7/1/2034 12:00:00 AM	8/1/2034 12:00:00 AM	$ 30.69	$ 31.01	$ 31.01
8/1/2034 12:00:00 AM	9/1/2034 12:00:00 AM	$ 30.05	$ 30.38	$ 30.38
9/1/2034 12:00:00 AM	10/1/2034 12:00:00 AM	$ 26.41	$ 26.73	$ 26.73
10/1/2034 12:00:00 AM	11/1/2034 12:00:00 AM	$ 29.32	$ 29.65	$ 29.65
11/1/2034 12:00:00 AM	12/1/2034 12:00:00 AM	$ 30.87	$ 31.20	$ 31.20
12/1/2034 12:00:00 AM	1/1/2035 12:00:00 AM	$ 32.24	$ 32.56	$ 32.56
1/1/2035 12:00:00 AM	2/1/2035 12:00:00 AM	$ 49.24	$ 49.56	$ 49.56
2/1/2035 12:00:00 AM	3/1/2035 12:00:00 AM	$ 44.86	$ 45.19	$ 45.19
3/1/2035 12:00:00 AM	4/1/2035 12:00:00 AM	$ 36.39	$ 36.72	$ 36.72
4/1/2035 12:00:00 AM	5/1/2035 12:00:00 AM	$ 34.35	$ 34.67	$ 34.67
5/1/2035 12:00:00 AM	6/1/2035 12:00:00 AM	$ 27.09	$ 27.41	$ 27.41
6/1/2035 12:00:00 AM	7/1/2035 12:00:00 AM	$ 28.30	$ 28.62	$ 28.62

7/1/2035 12:00:00 AM	8/1/2035 12:00:00 AM	$ 31.37	$ 31.69	$ 31.69
8/1/2035 12:00:00 AM	9/1/2035 12:00:00 AM	$ 30.72	$ 31.04	$ 31.04
9/1/2035 12:00:00 AM	10/1/2035 12:00:00 AM	$ 26.99	$ 27.32	$ 27.32
10/1/2035 12:00:00 AM	11/1/2035 12:00:00 AM	$ 29.97	$ 30.30	$ 30.30
11/1/2035 12:00:00 AM	12/1/2035 12:00:00 AM	$ 31.55	$ 31.88	$ 31.88
12/1/2035 12:00:00 AM	1/1/2036 12:00:00 AM	$ 32.95	$ 33.27	$ 33.27
1/1/2036 12:00:00 AM	2/1/2036 12:00:00 AM	$ 49.64	$ 49.96	$ 49.96
2/1/2036 12:00:00 AM	3/1/2036 12:00:00 AM	$ 45.23	$ 45.55	$ 45.55
3/1/2036 12:00:00 AM	4/1/2036 12:00:00 AM	$ 36.69	$ 37.01	$ 37.01
4/1/2036 12:00:00 AM	5/1/2036 12:00:00 AM	$ 34.62	$ 34.95	$ 34.95
5/1/2036 12:00:00 AM	6/1/2036 12:00:00 AM	$ 27.30	$ 27.63	$ 27.63
6/1/2036 12:00:00 AM	7/1/2036 12:00:00 AM	$ 28.52	$ 28.85	$ 28.85
7/1/2036 12:00:00 AM	8/1/2036 12:00:00 AM	$ 31.62	$ 31.95	$ 31.95
8/1/2036 12:00:00 AM	9/1/2036 12:00:00 AM	$ 30.96	$ 31.29	$ 31.29
9/1/2036 12:00:00 AM	10/1/2036 12:00:00 AM	$ 27.21	$ 27.54	$ 27.54
10/1/2036 12:00:00 AM	11/1/2036 12:00:00 AM	$ 30.21	$ 30.54	$ 30.54
11/1/2036 12:00:00 AM	12/1/2036 12:00:00 AM	$ 31.81	$ 32.13	$ 32.13
12/1/2036 12:00:00 AM	1/1/2037 12:00:00 AM	$ 33.22	$ 33.54	$ 33.54
1/1/2037 12:00:00 AM	2/1/2037 12:00:00 AM	$ 50.92	$ 51.24	$ 51.24
2/1/2037 12:00:00 AM	3/1/2037 12:00:00 AM	$ 46.39	$ 46.72	$ 46.72
3/1/2037 12:00:00 AM	4/1/2037 12:00:00 AM	$ 37.63	$ 37.96	$ 37.96
4/1/2037 12:00:00 AM	5/1/2037 12:00:00 AM	$ 35.52	$ 35.84	$ 35.84
5/1/2037 12:00:00 AM	6/1/2037 12:00:00 AM	$ 28.01	$ 28.33	$ 28.33
6/1/2037 12:00:00 AM	7/1/2037 12:00:00 AM	$ 29.26	$ 29.58	$ 29.58
7/1/2037 12:00:00 AM	8/1/2037 12:00:00 AM	$ 32.44	$ 32.76	$ 32.76
8/1/2037 12:00:00 AM	9/1/2037 12:00:00 AM	$ 31.76	$ 32.09	$ 32.09
9/1/2037 12:00:00 AM	10/1/2037 12:00:00 AM	$ 27.91	$ 28.24	$ 28.24
10/1/2037 12:00:00 AM	11/1/2037 12:00:00 AM	$ 30.99	$ 31.32	$ 31.32
11/1/2037 12:00:00 AM	12/1/2037 12:00:00 AM	$ 32.63	$ 32.95	$ 32.95
12/1/2037 12:00:00 AM	1/1/2038 12:00:00 AM	$ 34.07	$ 34.40	$ 34.40
1/1/2038 12:00:00 AM	2/1/2038 12:00:00 AM	$ 52.27	$ 52.59	$ 52.59
2/1/2038 12:00:00 AM	3/1/2038 12:00:00 AM	$ 47.62	$ 47.95	$ 47.95
3/1/2038 12:00:00 AM	4/1/2038 12:00:00 AM	$ 38.63	$ 38.96	$ 38.96
4/1/2038 12:00:00 AM	5/1/2038 12:00:00 AM	$ 36.46	$ 36.78	$ 36.78
5/1/2038 12:00:00 AM	6/1/2038 12:00:00 AM	$ 28.75	$ 29.08	$ 29.08
6/1/2038 12:00:00 AM	7/1/2038 12:00:00 AM	$ 30.04	$ 30.36	$ 30.36
7/1/2038 12:00:00 AM	8/1/2038 12:00:00 AM	$ 33.30	$ 33.62	$ 33.62
8/1/2038 12:00:00 AM	9/1/2038 12:00:00 AM	$ 32.60	$ 32.93	$ 32.93
9/1/2038 12:00:00 AM	10/1/2038 12:00:00 AM	$ 28.65	$ 28.98	$ 28.98
10/1/2038 12:00:00 AM	11/1/2038 12:00:00 AM	$ 31.81	$ 32.14	$ 32.14
11/1/2038 12:00:00 AM	12/1/2038 12:00:00 AM	$ 33.49	$ 33.82	$ 33.82
12/1/2038 12:00:00 AM	1/1/2039 12:00:00 AM	$ 34.98	$ 35.30	$ 35.30
1/1/2039 12:00:00 AM	2/1/2039 12:00:00 AM	$ 53.46	$ 53.79	$ 53.79
2/1/2039 12:00:00 AM	3/1/2039 12:00:00 AM	$ 48.71	$ 49.04	$ 49.04
3/1/2039 12:00:00 AM	4/1/2039 12:00:00 AM	$ 39.51	$ 39.84	$ 39.84
4/1/2039 12:00:00 AM	5/1/2039 12:00:00 AM	$ 37.29	$ 37.62	$ 37.62
5/1/2039 12:00:00 AM	6/1/2039 12:00:00 AM	$ 29.41	$ 29.73	$ 29.73

6/1/2039 12:00:00 AM	7/1/2039 12:00:00 AM	$ 30.72	$ 31.05	$ 31.05
7/1/2039 12:00:00 AM	8/1/2039 12:00:00 AM	$ 34.06	$ 34.38	$ 34.38
8/1/2039 12:00:00 AM	9/1/2039 12:00:00 AM	$ 33.35	$ 33.67	$ 33.67
9/1/2039 12:00:00 AM	10/1/2039 12:00:00 AM	$ 29.31	$ 29.63	$ 29.63
10/1/2039 12:00:00 AM	11/1/2039 12:00:00 AM	$ 32.54	$ 32.87	$ 32.87
11/1/2039 12:00:00 AM	12/1/2039 12:00:00 AM	$ 34.26	$ 34.58	$ 34.58
12/1/2039 12:00:00 AM	1/1/2040 12:00:00 AM	$ 35.77	$ 36.10	$ 36.10
1/1/2040 12:00:00 AM	2/1/2040 12:00:00 AM	$ 53.91	$ 54.24	$ 54.24
2/1/2040 12:00:00 AM	3/1/2040 12:00:00 AM	$ 49.12	$ 49.45	$ 49.45
3/1/2040 12:00:00 AM	4/1/2040 12:00:00 AM	$ 39.85	$ 40.17	$ 40.17
4/1/2040 12:00:00 AM	5/1/2040 12:00:00 AM	$ 37.61	$ 37.93	$ 37.93
5/1/2040 12:00:00 AM	6/1/2040 12:00:00 AM	$ 29.66	$ 29.98	$ 29.98
6/1/2040 12:00:00 AM	7/1/2040 12:00:00 AM	$ 30.98	$ 31.31	$ 31.31
7/1/2040 12:00:00 AM	8/1/2040 12:00:00 AM	$ 34.35	$ 34.67	$ 34.67
8/1/2040 12:00:00 AM	9/1/2040 12:00:00 AM	$ 33.63	$ 33.96	$ 33.96
9/1/2040 12:00:00 AM	10/1/2040 12:00:00 AM	$ 29.56	$ 29.88	$ 29.88
10/1/2040 12:00:00 AM	11/1/2040 12:00:00 AM	$ 32.82	$ 33.14	$ 33.14
11/1/2040 12:00:00 AM	12/1/2040 12:00:00 AM	$ 34.55	$ 34.87	$ 34.87
12/1/2040 12:00:00 AM	1/1/2041 12:00:00 AM	$ 36.08	$ 36.40	$ 36.40



Beethoven	Big Stone	Coyote	Huron 1	Huron 2	Neal 4	Oak Tree	Titan	Load
$ 25.44	$ 25.55	$ 24.79	$ 25.08	$ 25.08	$ 25.56	$ 25.56	$ 25.41	$ 25.85
$ 22.19	$ 22.30	$ 21.54	$ 21.83	$ 21.83	$ 22.31	$ 22.31	$ 22.16	$ 22.60
$ 18.09	$ 18.20	$ 17.44	$ 17.73	$ 17.73	$ 18.21	$ 18.21	$ 18.06	$ 18.50
$ 14.19	$ 14.30	$ 13.54	$ 13.83	$ 13.83	$ 14.31	$ 14.31	$ 14.16	$ 14.60
$ 16.14	$ 16.25	$ 15.49	$ 15.78	$ 15.78	$ 16.26	$ 16.26	$ 16.11	$ 16.55
$ 15.74	$ 15.85	$ 15.09	$ 15.38	$ 15.38	$ 15.86	$ 15.86	$ 15.71	$ 16.15
$ 18.04	$ 18.15	$ 17.39	$ 17.68	$ 17.68	$ 18.16	$ 18.16	$ 18.01	$ 18.45
$ 15.74	$ 15.85	$ 15.09	$ 15.38	$ 15.38	$ 15.86	$ 15.86	$ 15.71	$ 16.15
$ 16.29	$ 16.40	$ 15.64	$ 15.93	$ 15.93	$ 16.41	$ 16.41	$ 16.26	$ 16.70
$ 17.24	$ 17.35	$ 16.59	$ 16.88	$ 16.88	$ 17.36	$ 17.36	$ 17.21	$ 17.65
$ 16.49	$ 16.60	$ 15.84	$ 16.13	$ 16.13	$ 16.61	$ 16.61	$ 16.46	$ 16.90
$ 20.14	$ 20.25	$ 19.49	$ 19.78	$ 19.78	$ 20.26	$ 20.26	$ 20.11	$ 20.55
$ 26.64	$ 26.75	$ 25.99	$ 26.28	$ 26.28	$ 26.76	$ 26.76	$ 26.61	$ 27.05
$ 24.29	$ 24.40	$ 23.64	$ 23.93	$ 23.93	$ 24.41	$ 24.41	$ 24.26	$ 24.70
$ 19.74	$ 19.85	$ 19.09	$ 19.38	$ 19.38	$ 19.86	$ 19.86	$ 19.71	$ 20.15
$ 18.64	$ 18.75	$ 17.99	$ 18.28	$ 18.28	$ 18.76	$ 18.76	$ 18.61	$ 19.05
$ 14.74	$ 14.85	$ 14.09	$ 14.38	$ 14.38	$ 14.86	$ 14.86	$ 14.71	$ 15.15
$ 15.39	$ 15.50	$ 14.74	$ 15.03	$ 15.03	$ 15.51	$ 15.51	$ 15.36	$ 15.80
$ 17.04	$ 17.15	$ 16.39	$ 16.68	$ 16.68	$ 17.16	$ 17.16	$ 17.01	$ 17.45
$ 16.69	$ 16.80	$ 16.04	$ 16.33	$ 16.33	$ 16.81	$ 16.81	$ 16.66	$ 17.10
$ 14.69	$ 14.80	$ 14.04	$ 14.33	$ 14.33	$ 14.81	$ 14.81	$ 14.66	$ 15.10
$ 16.29	$ 16.40	$ 15.64	$ 15.93	$ 15.93	$ 16.41	$ 16.41	$ 16.26	$ 16.70
$ 17.14	$ 17.25	$ 16.49	$ 16.78	$ 16.78	$ 17.26	$ 17.26	$ 17.11	$ 17.55
$ 17.89	$ 18.00	$ 17.24	$ 17.53	$ 17.53	$ 18.01	$ 18.01	$ 17.86	$ 18.30
$ 29.12	$ 29.22	$ 28.47	$ 28.76	$ 28.76	$ 29.24	$ 29.24	$ 29.08	$ 29.52
$ 26.55	$ 26.65	$ 25.90	$ 26.19	$ 26.19	$ 26.67	$ 26.67	$ 26.51	$ 26.95
$ 21.57	$ 21.67	$ 20.92	$ 21.21	$ 21.21	$ 21.69	$ 21.69	$ 21.53	$ 21.97
$ 20.37	$ 20.47	$ 19.72	$ 20.01	$ 20.01	$ 20.49	$ 20.49	$ 20.33	$ 20.77
$ 16.10	$ 16.21	$ 15.45	$ 15.74	$ 15.74	$ 16.22	$ 16.22	$ 16.07	$ 16.51
$ 16.81	$ 16.92	$ 16.17	$ 16.46	$ 16.46	$ 16.94	$ 16.94	$ 16.78	$ 17.22
$ 18.62	$ 18.72	$ 17.97	$ 18.26	$ 18.26	$ 18.74	$ 18.74	$ 18.58	$ 19.02
$ 18.23	$ 18.34	$ 17.59	$ 17.88	$ 17.88	$ 18.36	$ 18.36	$ 18.20	$ 18.64
$ 16.05	$ 16.15	$ 15.40	$ 15.69	$ 15.69	$ 16.17	$ 16.17	$ 16.01	$ 16.45
$ 17.80	$ 17.90	$ 17.15	$ 17.44	$ 17.44	$ 17.92	$ 17.92	$ 17.76	$ 18.20

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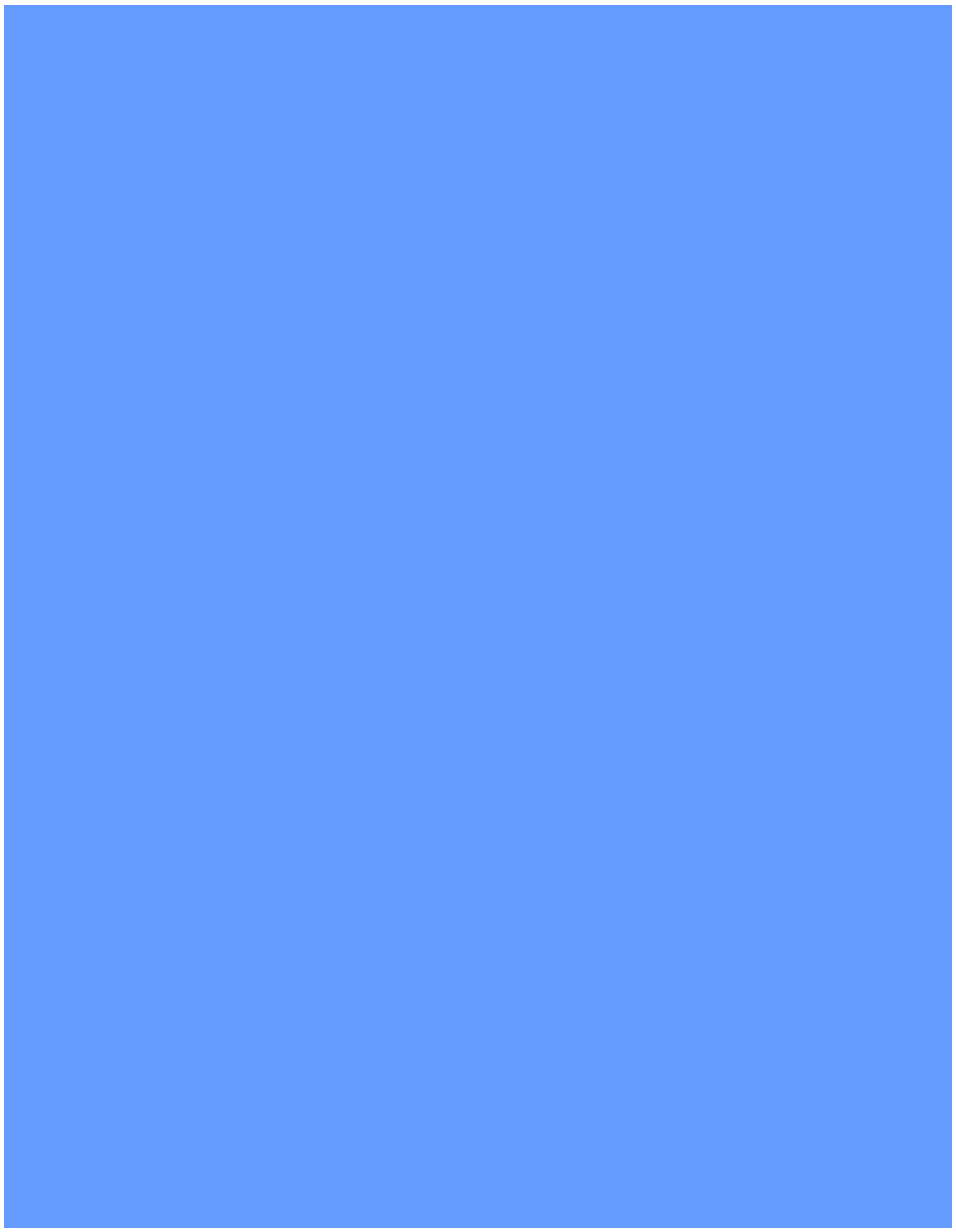
$	22.34	$	22.44	$	21.69	$	21.98	$	21.98	$	22.46	$	22.46	$	22.30	$	22.74
$	23.50	$	23.61	$	22.86	$	23.15	$	23.15	$	23.63	$	23.63	$	23.47	$	23.91
$	24.54	$	24.64	$	23.89	$	24.18	$	24.18	$	24.66	$	24.66	$	24.50	$	24.94
$	38.24	$	38.35	$	37.60	$	37.89	$	37.89	$	38.37	$	38.37	$	38.21	$	38.65
$	34.86	$	34.97	$	34.22	$	34.51	$	34.51	$	34.99	$	34.99	$	34.83	$	35.27
$	28.32	$	28.42	$	27.67	$	27.96	$	27.96	$	28.44	$	28.44	$	28.28	$	28.72
$	26.73	$	26.84	$	26.09	$	26.38	$	26.38	$	26.86	$	26.86	$	26.70	$	27.14
$	21.12	$	21.23	$	20.48	$	20.77	$	20.77	$	21.25	$	21.25	$	21.09	$	21.53
$	22.06	$	22.16	$	21.41	$	21.70	$	21.70	$	22.18	$	22.18	$	22.02	$	22.46
$	24.43	$	24.54	$	23.79	$	24.08	$	24.08	$	24.56	$	24.56	$	24.40	$	24.84
$	23.93	$	24.03	$	23.28	$	23.57	$	23.57	$	24.05	$	24.05	$	23.89	$	24.33
$	21.05	$	21.16	$	20.40	$	20.69	$	20.69	$	21.17	$	21.17	$	21.02	$	21.46
$	23.35	$	23.46	$	22.71	$	23.00	$	23.00	$	23.48	$	23.48	$	23.32	$	23.76
$	24.58	$	24.68	$	23.93	$	24.22	$	24.22	$	24.70	$	24.70	$	24.54	$	24.98
$	25.66	$	25.76	$	25.01	$	25.30	$	25.30	$	25.78	$	25.78	$	25.62	$	26.06
$	40.07	$	40.18	$	39.42	$	39.71	$	39.71	$	40.19	$	40.19	$	40.04	$	40.48
$	36.53	$	36.63	$	35.88	$	36.17	$	36.17	$	36.65	$	36.65	$	36.49	$	36.93
$	29.67	$	29.77	$	29.02	$	29.31	$	29.31	$	29.79	$	29.79	$	29.63	$	30.07
$	28.01	$	28.11	$	27.36	$	27.65	$	27.65	$	28.13	$	28.13	$	27.97	$	28.41
$	22.13	$	22.23	$	21.48	$	21.77	$	21.77	$	22.25	$	22.25	$	22.09	$	22.53
$	23.11	$	23.21	$	22.46	$	22.75	$	22.75	$	23.23	$	23.23	$	23.07	$	23.51
$	25.60	$	25.70	$	24.95	$	25.24	$	25.24	$	25.72	$	25.72	$	25.56	$	26.00
$	25.07	$	25.17	$	24.42	$	24.71	$	24.71	$	25.19	$	25.19	$	25.03	$	25.47
$	22.05	$	22.16	$	21.41	$	21.70	$	21.70	$	22.18	$	22.18	$	22.02	$	22.46
$	24.47	$	24.57	$	23.82	$	24.11	$	24.11	$	24.59	$	24.59	$	24.43	$	24.87
$	25.75	$	25.85	$	25.10	$	25.39	$	25.39	$	25.87	$	25.87	$	25.71	$	26.15
$	26.88	$	26.98	$	26.23	$	26.52	$	26.52	$	27.00	$	27.00	$	26.84	$	27.28
$	40.83	$	40.94	$	40.18	$	40.47	$	40.47	$	40.95	$	40.95	$	40.80	$	41.24
$	37.22	$	37.33	$	36.57	$	36.86	$	36.86	$	37.34	$	37.34	$	37.19	$	37.63
$	30.23	$	30.33	$	29.58	$	29.87	$	29.87	$	30.35	$	30.35	$	30.19	$	30.63
$	28.54	$	28.64	$	27.89	$	28.18	$	28.18	$	28.66	$	28.66	$	28.50	$	28.94
$	22.55	$	22.65	$	21.90	$	22.19	$	22.19	$	22.67	$	22.67	$	22.51	$	22.95
$	23.55	$	23.65	$	22.90	$	23.19	$	23.19	$	23.67	$	23.67	$	23.51	$	23.95
$	26.08	$	26.19	$	25.43	$	25.72	$	25.72	$	26.20	$	26.20	$	26.05	$	26.49
$	25.54	$	25.65	$	24.90	$	25.19	$	25.19	$	25.67	$	25.67	$	25.51	$	25.95
$	22.47	$	22.57	$	21.82	$	22.11	$	22.11	$	22.59	$	22.59	$	22.43	$	22.87
$	24.93	$	25.03	$	24.28	$	24.57	$	24.57	$	25.05	$	25.05	$	24.89	$	25.33
$	26.23	$	26.34	$	25.59	$	25.88	$	25.88	$	26.36	$	26.36	$	26.20	$	26.64
$	27.39	$	27.49	$	26.74	$	27.03	$	27.03	$	27.51	$	27.51	$	27.35	$	27.79
$	40.83	$	40.94	$	40.19	$	40.48	$	40.48	$	40.96	$	40.96	$	40.80	$	41.24
$	37.22	$	37.33	$	36.57	$	36.86	$	36.86	$	37.34	$	37.34	$	37.19	$	37.63
$	30.23	$	30.34	$	29.58	$	29.87	$	29.87	$	30.35	$	30.35	$	30.20	$	30.64
$	28.54	$	28.65	$	27.89	$	28.18	$	28.18	$	28.66	$	28.66	$	28.51	$	28.95
$	22.55	$	22.65	$	21.90	$	22.19	$	22.19	$	22.67	$	22.67	$	22.51	$	22.95
$	23.55	$	23.65	$	22.90	$	23.19	$	23.19	$	23.67	$	23.67	$	23.51	$	23.95
$	26.08	$	26.19	$	25.43	$	25.72	$	25.72	$	26.20	$	26.20	$	26.05	$	26.49
$	25.54	$	25.65	$	24.90	$	25.19	$	25.19	$	25.67	$	25.67	$	25.51	$	25.95

$	22.47	$	22.58	$	21.82	$	22.11	$	22.11	$	22.59	$	22.59	$	22.44	$	22.88
$	24.93	$	25.03	$	24.28	$	24.57	$	24.57	$	25.05	$	25.05	$	24.89	$	25.33
$	26.24	$	26.34	$	25.59	$	25.88	$	25.88	$	26.36	$	26.36	$	26.20	$	26.64
$	27.39	$	27.49	$	26.74	$	27.03	$	27.03	$	27.51	$	27.51	$	27.35	$	27.79
$	41.26	$	41.37	$	40.61	$	40.90	$	40.90	$	41.38	$	41.38	$	41.23	$	41.67
$	37.61	$	37.72	$	36.97	$	37.26	$	37.26	$	37.74	$	37.74	$	37.58	$	38.02
$	30.55	$	30.65	$	29.90	$	30.19	$	30.19	$	30.67	$	30.67	$	30.51	$	30.95
$	28.84	$	28.94	$	28.19	$	28.48	$	28.48	$	28.96	$	28.96	$	28.80	$	29.24
$	22.78	$	22.89	$	22.14	$	22.43	$	22.43	$	22.91	$	22.91	$	22.75	$	23.19
$	23.79	$	23.90	$	23.15	$	23.44	$	23.44	$	23.92	$	23.92	$	23.76	$	24.20
$	26.35	$	26.46	$	25.71	$	26.00	$	26.00	$	26.48	$	26.48	$	26.32	$	26.76
$	25.81	$	25.92	$	25.16	$	25.45	$	25.45	$	25.93	$	25.93	$	25.78	$	26.22
$	22.71	$	22.81	$	22.06	$	22.35	$	22.35	$	22.83	$	22.83	$	22.67	$	23.11
$	25.19	$	25.30	$	24.54	$	24.83	$	24.83	$	25.31	$	25.31	$	25.16	$	25.60
$	26.51	$	26.62	$	25.86	$	26.15	$	26.15	$	26.63	$	26.63	$	26.48	$	26.92
$	27.67	$	27.78	$	27.03	$	27.32	$	27.32	$	27.80	$	27.80	$	27.64	$	28.08
$	41.71	$	41.82	$	41.06	$	41.35	$	41.35	$	41.83	$	41.83	$	41.68	$	42.12
$	38.02	$	38.13	$	37.37	$	37.66	$	37.66	$	38.14	$	38.14	$	37.99	$	38.43
$	30.88	$	30.98	$	30.23	$	30.52	$	30.52	$	31.00	$	31.00	$	30.84	$	31.28
$	29.15	$	29.26	$	28.51	$	28.80	$	28.80	$	29.28	$	29.28	$	29.12	$	29.56
$	23.03	$	23.14	$	22.38	$	22.67	$	22.67	$	23.15	$	23.15	$	23.00	$	23.44
$	24.05	$	24.16	$	23.40	$	23.69	$	23.69	$	24.17	$	24.17	$	24.02	$	24.46
$	26.64	$	26.75	$	25.99	$	26.28	$	26.28	$	26.76	$	26.76	$	26.61	$	27.05
$	26.09	$	26.20	$	25.44	$	25.73	$	25.73	$	26.21	$	26.21	$	26.06	$	26.50
$	22.95	$	23.06	$	22.30	$	22.59	$	22.59	$	23.07	$	23.07	$	22.92	$	23.36
$	25.46	$	25.57	$	24.82	$	25.11	$	25.11	$	25.59	$	25.59	$	25.43	$	25.87
$	26.80	$	26.90	$	26.15	$	26.44	$	26.44	$	26.92	$	26.92	$	26.76	$	27.20
$	27.98	$	28.08	$	27.33	$	27.62	$	27.62	$	28.10	$	28.10	$	27.94	$	28.38
$	42.41	$	42.52	$	41.77	$	42.06	$	42.06	$	42.54	$	42.54	$	42.38	$	42.82
$	38.66	$	38.77	$	38.02	$	38.31	$	38.31	$	38.79	$	38.79	$	38.63	$	39.07
$	31.40	$	31.50	$	30.75	$	31.04	$	31.04	$	31.52	$	31.52	$	31.36	$	31.80
$	29.64	$	29.75	$	29.00	$	29.29	$	29.29	$	29.77	$	29.77	$	29.61	$	30.05
$	23.42	$	23.52	$	22.77	$	23.06	$	23.06	$	23.54	$	23.54	$	23.38	$	23.82
$	24.46	$	24.56	$	23.81	$	24.10	$	24.10	$	24.58	$	24.58	$	24.42	$	24.86
$	27.09	$	27.19	$	26.44	$	26.73	$	26.73	$	27.21	$	27.21	$	27.05	$	27.49
$	26.53	$	26.64	$	25.88	$	26.17	$	26.17	$	26.65	$	26.65	$	26.50	$	26.94
$	23.34	$	23.44	$	22.69	$	22.98	$	22.98	$	23.46	$	23.46	$	23.30	$	23.74
$	25.89	$	26.00	$	25.24	$	25.53	$	25.53	$	26.01	$	26.01	$	25.86	$	26.30
$	27.25	$	27.35	$	26.60	$	26.89	$	26.89	$	27.37	$	27.37	$	27.21	$	27.65
$	28.45	$	28.55	$	27.80	$	28.09	$	28.09	$	28.57	$	28.57	$	28.41	$	28.85
$	43.51	$	43.61	$	42.86	$	43.15	$	43.15	$	43.63	$	43.63	$	43.47	$	43.91
$	39.66	$	39.76	$	39.01	$	39.30	$	39.30	$	39.78	$	39.78	$	39.62	$	40.06
$	32.21	$	32.31	$	31.56	$	31.85	$	31.85	$	32.33	$	32.33	$	32.17	$	32.61
$	30.41	$	30.51	$	29.76	$	30.05	$	30.05	$	30.53	$	30.53	$	30.37	$	30.81
$	24.02	$	24.12	$	23.37	$	23.66	$	23.66	$	24.14	$	24.14	$	23.98	$	24.42
$	25.08	$	25.19	$	24.44	$	24.73	$	24.73	$	25.21	$	25.21	$	25.05	$	25.49
$	27.78	$	27.89	$	27.14	$	27.43	$	27.43	$	27.91	$	27.91	$	27.75	$	28.19

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$	30.91	$	31.02	$	30.26	$	30.55	$	30.55	$	31.03	$	31.03	$	30.88	$	31.32
$	34.25	$	34.35	$	33.60	$	33.89	$	33.89	$	34.37	$	34.37	$	34.21	$	34.65
$	33.54	$	33.64	$	32.89	$	33.18	$	33.18	$	33.66	$	33.66	$	33.50	$	33.94
$	29.50	$	29.60	$	28.85	$	29.14	$	29.14	$	29.62	$	29.62	$	29.46	$	29.90
$	32.73	$	32.84	$	32.08	$	32.37	$	32.37	$	32.85	$	32.85	$	32.70	$	33.14
$	34.45	$	34.55	$	33.80	$	34.09	$	34.09	$	34.57	$	34.57	$	34.41	$	34.85
$	35.96	$	36.07	$	35.32	$	35.61	$	35.61	$	36.09	$	36.09	$	35.93	$	36.37
$	54.10	$	54.21	$	53.46	$	53.75	$	53.75	$	54.23	$	54.23	$	54.07	$	54.51
$	49.31	$	49.42	$	48.67	$	48.96	$	48.96	$	49.44	$	49.44	$	49.28	$	49.72
$	40.04	$	40.14	$	39.39	$	39.68	$	39.68	$	40.16	$	40.16	$	40.00	$	40.44
$	37.80	$	37.90	$	37.15	$	37.44	$	37.44	$	37.92	$	37.92	$	37.76	$	38.20
$	29.85	$	29.95	$	29.20	$	29.49	$	29.49	$	29.97	$	29.97	$	29.81	$	30.25
$	31.17	$	31.28	$	30.53	$	30.82	$	30.82	$	31.30	$	31.30	$	31.14	$	31.58
$	34.54	$	34.64	$	33.89	$	34.18	$	34.18	$	34.66	$	34.66	$	34.50	$	34.94
$	33.82	$	33.93	$	33.18	$	33.47	$	33.47	$	33.95	$	33.95	$	33.79	$	34.23
$	29.75	$	29.85	$	29.10	$	29.39	$	29.39	$	29.87	$	29.87	$	29.71	$	30.15
$	33.01	$	33.11	$	32.36	$	32.65	$	32.65	$	33.13	$	33.13	$	32.97	$	33.41
$	34.74	$	34.84	$	34.09	$	34.38	$	34.38	$	34.86	$	34.86	$	34.70	$	35.14
$	36.27	$	36.37	$	35.62	$	35.91	$	35.91	$	36.39	$	36.39	$	36.23	$	36.67



							24480	28128
	Sundays	Saturdays	Holidays	Days	off Peak Days	Peak Days	Peak Hours	Off Peak Hours
42370	5	5	1	31	11	20	320	424
42401	4	4	0	29	8	21	336	360
42430	4	4	0	31	8	23	368	376
42461	4	5	0	30	9	21	336	384
42491	5	4	1	31	10	21	336	408
42522	4	4	0	30	8	22	352	368
42552	5	5	1	31	11	20	320	424
42583	4	4	0	31	8	23	368	376
42614	4	4	1	30	9	21	336	384
42644	5	5	0	31	10	21	336	408
42675	4	4	1	30	9	21	336	384
42705	4	5	1	31	10	21	336	408
42736	5	4	1	31	10	21	336	408
42767	4	4	0	28	8	20	320	352
42795	4	4	0	31	8	23	368	376
42826	5	5	0	30	10	20	320	400
42856	4	4	1	31	9	22	352	392
42887	4	4	0	30	8	22	352	368
42917	5	5	1	31	11	20	320	424
42948	4	4	0	31	8	23	368	376
42979	4	5	1	30	10	20	320	400
43009	5	4	0	31	9	22	352	392
43040	4	4	1	30	9	21	336	384
43070	5	5	1	31	11	20	320	424
43101	4	4	1	31	9	22	352	392
43132	4	4	0	28	8	20	320	352
43160	4	5	0	31	9	22	352	392
43191	5	4	0	30	9	21	336	384
43221	4	4	1	31	9	22	352	392
43252	4	5	0	30	9	21	336	384
43282	5	4	1	31	10	21	336	408
43313	4	4	0	31	8	23	368	376
43344	5	5	1	30	11	19	304	416
43374	4	4	0	31	8	23	368	376
43405	4	4	1	30	9	21	336	384
43435	5	5	1	31	11	20	320	424
43466	4	4	1	31	9	22	352	392
43497	4	4	0	28	8	20	320	352
43525	5	5	0	31	10	21	336	408

43556	4	4	0	30	8	22	352	368
43586	4	4	1	31	9	22	352	392
43617	5	5	0	30	10	20	320	400
43647	4	4	1	31	9	22	352	392
43678	4	5	0	31	9	22	352	392
43709	5	4	1	30	10	20	320	400
43739	4	4	0	31	8	23	368	376
43770	4	5	1	30	10	20	320	400
43800	5	4	1	31	10	21	336	408
43831	4	4	1	31	9	22	352	392
43862	4	5	0	29	9	20	320	376
43891	5	4	0	31	9	22	352	392
43922	4	4	0	30	8	22	352	368
43952	5	5	1	31	11	20	320	424
43983	4	4	0	30	8	22	352	368
44013	4	4	1	31	9	22	352	392
44044	5	5	0	31	10	21	336	408
44075	4	4	1	30	9	21	336	384
44105	4	5	0	31	9	22	352	392
44136	5	4	1	30	10	20	320	400
44166	4	4	1	31	9	22	352	392
44197	5	5	1	31	11	20	320	424
44228	4	4	0	28	8	20	320	352
44256	4	4	0	31	8	23	368	376
44287	4	4	0	30	8	22	352	368
44317	5	5	1	31	11	20	320	424
44348	4	4	0	30	8	22	352	368
44378	4	5	1	31	10	21	336	408
44409	5	4	0	31	9	22	352	392
44440	4	4	1	30	9	21	336	384
44470	5	5	0	31	10	21	336	408
44501	4	4	1	30	9	21	336	384
44531	4	4	1	31	9	22	352	392

52608	46.5%	53.5%

Hours	Peak %	Off Peak %
744	0.430107527	0.569892473
696	0.482758621	0.517241379
744	0.494623656	0.505376344
720	0.466666667	0.533333333
744	0.451612903	0.548387097
720	0.488888889	0.511111111
744	0.430107527	0.569892473
744	0.494623656	0.505376344
720	0.466666667	0.533333333
744	0.451612903	0.548387097
720	0.466666667	0.533333333
744	0.451612903	0.548387097
744	0.451612903	0.548387097
672	0.476190476	0.523809524
744	0.494623656	0.505376344
720	0.444444444	0.555555556
744	0.47311828	0.52688172
720	0.488888889	0.511111111
744	0.430107527	0.569892473
744	0.494623656	0.505376344
720	0.444444444	0.555555556
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.430107527	0.569892473
744	0.47311828	0.52688172
672	0.476190476	0.523809524
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.451612903	0.548387097
744	0.494623656	0.505376344
720	0.422222222	0.577777778
744	0.494623656	0.505376344
720	0.466666667	0.533333333
744	0.430107527	0.569892473
744	0.47311828	0.52688172
672	0.476190476	0.523809524
744	0.451612903	0.548387097

720	0.488888889	0.511111111
744	0.47311828	0.52688172
720	0.444444444	0.555555556
744	0.47311828	0.52688172
744	0.47311828	0.52688172
720	0.444444444	0.555555556
744	0.494623656	0.505376344
720	0.444444444	0.555555556
744	0.451612903	0.548387097
744	0.47311828	0.52688172
696	0.459770115	0.540229885
744	0.47311828	0.52688172
720	0.488888889	0.511111111
744	0.430107527	0.569892473
720	0.488888889	0.511111111
744	0.47311828	0.52688172
744	0.451612903	0.548387097
720	0.466666667	0.533333333
744	0.47311828	0.52688172
720	0.444444444	0.555555556
744	0.47311828	0.52688172
744	0.430107527	0.569892473
672	0.476190476	0.523809524
744	0.494623656	0.505376344
720	0.488888889	0.511111111
744	0.430107527	0.569892473
720	0.488888889	0.511111111
744	0.451612903	0.548387097
744	0.47311828	0.52688172
720	0.466666667	0.533333333
744	0.451612903	0.548387097
720	0.466666667	0.533333333
744	0.47311828	0.52688172